

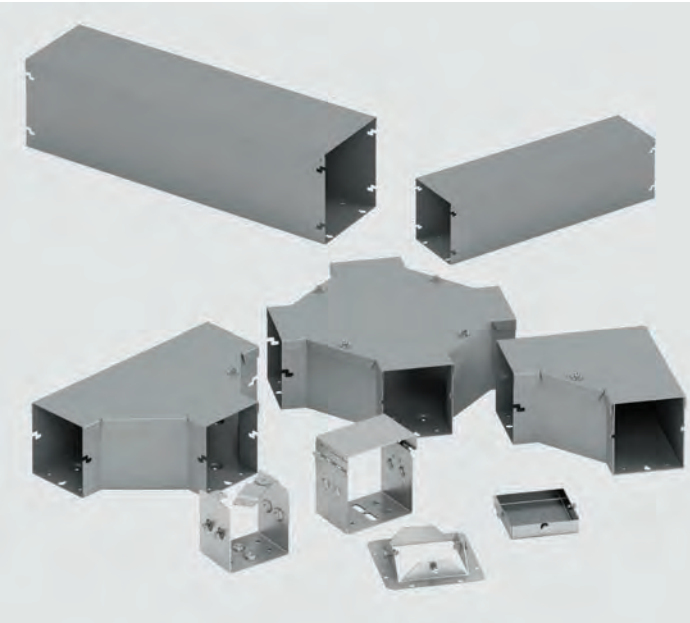


Electrical Enclosures

NEMA Type 1, 3, 3R, 4, 4X, 12, 13 Enclosures & Wireway,
Climate Control Products, and Accessories

ENC-12

**COOPER B-Line**



Introduction



Enclosures You Want – When You Need Them

At Cooper B-Line, we offer solutions to meet our customer requirements. From standard stock product to modified and custom enclosures, our Enclosure Experts are available to help you choose the enclosures you want, delivered in the time you need them.

Broad Enclosure Product Offering

We understand customers require top of the line standard, modified and custom industrial and commercial enclosures. From small to large enclosures, we provide customers with virtually every finish, size, type and accessory to meet their enclosure product requirements.



- Meet or exceed UL, NEMA and CSA standards
- Commercial and Industrial environmental ratings
- Variety of finishes, sizes, types and accessories
- Solutions to support numerous end markets

Local Availability with Quick Delivery

We partner with distributors throughout the United States to provide local availability no matter your location. With thousands of standard catalog items stocked in 15 nationwide locations, your enclosures arrive in the shortest time possible.



- Nationwide Availability
- 15 Stocking Locations
- Thousands of Stocked Products
- Quick Delivery

Quality Products

Since the introduction of Circle AW Enclosures in 1946, Cooper B-Line has been manufacturing quality Enclosures and Wireway. Through significant capital investment, our state of the art US manufacturing facilities produce to world class standards that meet our customers' expectations.



- ISO 9001:2008 Certified
- Rigorous Quality Testing
- Manufactured in Sherman, TX





Enclosure Experts

We understand that customers rely on the manufacturer to provide support before, during, and after the sale. That's why we have a staff of employees dedicated to support the needs of our enclosure customers.

- Enclosure Sales Managers
- Enclosure Quotes Specialists
- Engineering Design Specialists



Ease of Doing Business

We have thousands of employees dedicated to Ease of Doing Business for our customers and measure our success by exceeding the customers' expectations. From ease of quotes and orders to on-time delivery, we aren't satisfied, if you aren't satisfied.

- C3 Distribution Portal
- EDI & VMI
- Website Tools
- User-Friendly Catalog
- Cooper CoSPECSM Specifier Center



Contact Cooper B-Line for Your Next Enclosure Project

Cooper B-Line

509 West Monroe Street
Highland, IL 62249

Enclosure Hotline: 800-868-8152
Email: Enclosures.Team@cooperindustries.com
<http://www.cooperbline.com/enclosures>

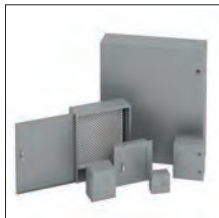


B-Line
Bussmann
Crouse-Hinds
Lighting
Power Systems
Safety
Wiring Devices

Selecting Enclosures You Want – When You Need Them



Wireway



Type 1



Type 3R



Type 12/13



Type 4



Type 4X



Type 4X
Fiberglass



Disconnects



Pushbuttons



Consoles &
Consolets



Thermal
Products

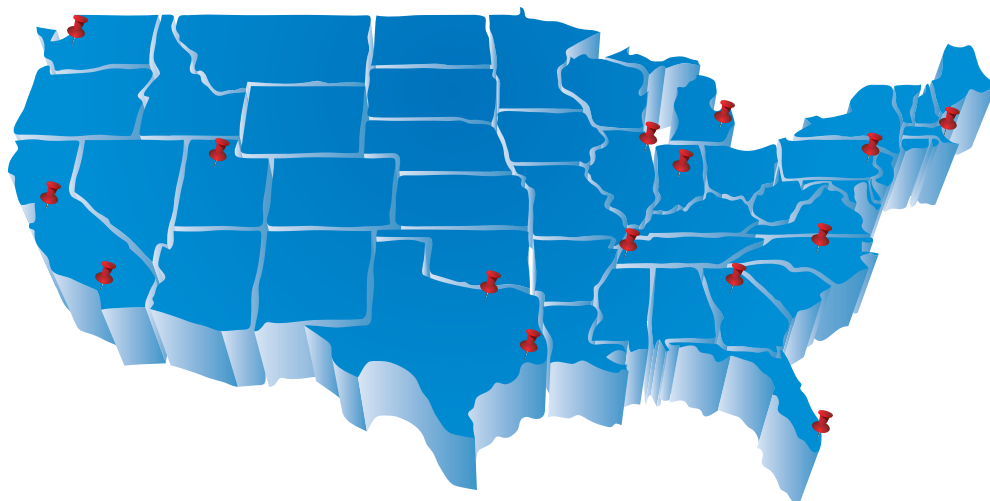


Accessories

Stock Enclosures

Cooper B-Line strategically stocks standard industrial and commercial enclosures to provide the best possible availability to meet customers' expectations. For more information, visit www.cooperbline.com/enclosures.

- Nationwide Availability
- 15 Stocking Locations
- Full Range of Industrial & Commercial Products



Modified Enclosures

If your business requires enclosures that have push button holes, special paint, modified dimensions and other special requirements for industrial and commercial applications, then you need a manufacturer that can deliver enclosures to meet your specific requirements in time for your project. Cooper B-Line offers thousands of catalog designs that can be altered to meet your requirements and delivered in the time you need. For more information, visit www.cooperbline.com/modified.

- Thousands of Sizes Available
- Various Materials and Finishes
- Standard and Special Paint Options
- Options for Push Button Holes, Cut Outs, Tapped Holes, Louvers and More
- Accessories including Window Kits, PEM Studs, Panels and More



Custom Enclosures

If your business requires more than a stock or modified enclosure, Cooper B-Line Enclosure Experts partner with customers to engineer unique designs to meet project requirements. We assist customers before, during and after the sale to deliver the enclosures you want, when you need them. For more information, contact our Enclosure Experts at Enclosures.Team@cooperindustries.com or 800-868-8152.

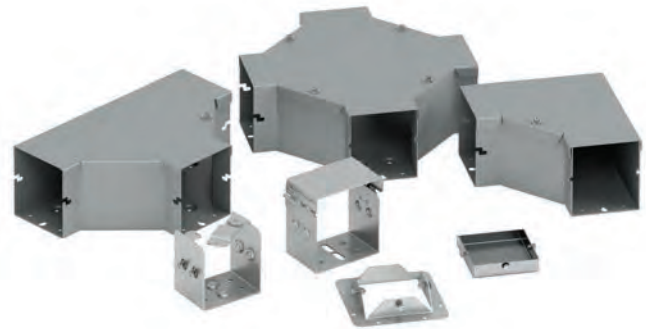
- Specialized Sales, Quotes and Engineering Resources
- Design Support
- Proto-Type Support
- In-House Testing Capabilities



Enclosures
Manufacturing Facility
Sherman, Texas



NEMA Type 1 Quick-Connect Wireway
(pages 15 - 20)



EnviroShield™ Type 3R Wireway
(pages 21 - 24)



Quarter-Turn Locking
Expanded Offering
(throughout catalog)



Three-Point Locking
Expanded Offering
(throughout catalog)



CoSPECSM Specifier
Center

www.cooperblin.com/CoSPEC



Seamless Poured-in-Place
Gasketing
(throughout catalog)

Enclosures You Want, When You Need Them

Cooper B-Line is excited to announce the improved Cooper B-Line Enclosure website, dedicated to our full line of Industrial and Commercial Cooper B-Line Enclosures. The improved site is easier to navigate and includes the key tools and literature tied to helping you find the enclosures you want; in the time you need them.

And now, you can access all of our Industrial and Commercial Enclosures, as well as Wireway products, in CoSPECSM, our CAD, BIM, PDMS, and Graphics catalog. CoSPEC allows you to select, view and download native design content in nearly 100 different formats.

Log on today to see the latest enclosure information at www.cooperblineline.com/enclosures.

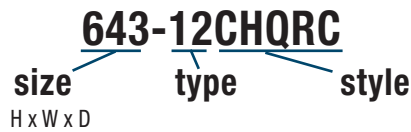
The screenshot displays the Cooper B-Line website interface. At the top, there is a navigation bar with links for News, Events, C3 Sign-In, Employees, Contact Us, and a Select Location dropdown. A search bar powered by Google is also present. Below the navigation, the main menu includes COOPER INDUSTRIES, COOPER B-LINE, ABOUT US, PRODUCTS, SOLUTIONS, MARKETS, BRANDS, and RESOURCES. The 'Products' section is highlighted, leading to a page titled 'Electrical Enclosures & Wireway'. A sidebar on the left contains a search box, an 'Advanced Search' link, and a 'Recently Viewed Items' list with products like TOLCO™ Seismic Bracing & Fire Protection, DURA-CLEAN™ Support Products, 98B, EnviroSHIELD™ Type 3R Wireway and Electrical Enclosures, and B3070 PLN. The main content area features a large banner for the 'Cooper CoSPECSM Specifier Center' with the text 'One-Stop Resource for Design & Engineering Drawings, Specifications and More' and a 'LEARN MORE' button. Below the banner, there is a section titled 'Enclosures You Want – When You Need Them' with a brief description and a list of links: 'About Cooper B-Line Enclosures', 'What's New in NEMA Enclosures at Cooper B-Line', 'Technical Information & Product Selection Tools', 'Literature & Resources', and 'Enclosure & Wireway Product Overview'. Further down, the 'CoSPEC Specifier Center' is detailed, explaining its purpose as a one-stop design resource. A 'Search Products' section at the bottom includes a dropdown menu for selecting product attributes.

Catalog Numbering Legend

Catalog Numbering Legend

Cooper B-Line's catalog numbering system for industrial and commercial enclosures and wireway is a logical, easy-to-use system. It was developed so our customers could easily order or find a Cooper B-Line catalog number. Referenced in each catalog number is the size, type designation, and style. See pages v, vi, and vii for the full catalog numbering legend.

Industrial Enclosures



Enclosure Size Listed left of dash (-)

Enclosure Type Immediately follows dash (-)

1	Type 1
4	Type 4
4X	Type 4X
12	Type 12
12F	Type 12 Fiberglass
4XA	Type 4X Aluminum
4XF	Type 4X Fiberglass
4XS	Type 4X Type 304 SS
4XSS6	Type 4X Type 316L SS

Enclosure Style Immediately follows Type designation

3PT	3-Point Locking
CD (as a prefix)	Center Mounted Disconnect Enclosure
CHC	Continuous Hinge Cover
CHQRC	Continuous Hinge Quick-Release Cover
CHSC	Continuous Hinge Screw Cover
D	Double-Door
D3PT	Double-Door w/ 3-Point Locking
DA	Dual-Access
ES (as a prefix)	EnviroShield, Free Standing
FD (as a prefix)	Flange Mounted Disconnect Enclosure
FTC	Flange Trough Collar
FD	Floor-Standing, Double-Door
FD3PT	Floor-Standing, Double-Door w/ 3-Point Locking
FDQT	Floor-Standing, Double-Door w/ Quarter-Turn Latches
FS	Free-Standing
FS3PT	Free-Standing w/ 3-Point Locking
FSD	Free-Standing, Double-Door
FSD3PT	Free-Standing, Double-Door w/ 3-Point Locking
FSDA3PT	Free-Standing, Dual-Access w/ 3-Point Locking
FSDDA	Free-Standing, Double-Door, Dual-Access
FSDDA3PT	Free-Standing, Double-Door, Dual-Access w/ 3-Point Locking

FSDA	Free-Standing, Dual-Access
FSQT	Free-Standing, Double-Door w/ Quarter-Turn Latches
LC	Lift-Off Cover
M (as a prefix)	Modular
QT	Quarter Turn Latches
SC	Screw Cover
TE	Terminal Enclosure

Fiberglass Enclosure Style Immediately follows Type designation

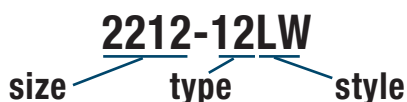
CHSC	JIC Hinge Cover w/ Two Screws
CHQRC	JIC Hinged Cover w/ Quick Release Pad Lockable Latches
CHQRCW	JIC Hinged Cover (Window) w/ Quick-Release Pad Lockable Latches
D	Double Door Wallmount
FS	Free Standing Single Door
FSD	Free Standing Double Door
LC	JIC Lift-Off Screw Cover
PB__	Multi-Hole Pushbutton Enclosure
PV__	Vertical In-Line Pushbutton Enclosure
RHCF	Type 3R Panel Enclosure
SC	Small Junction Box
SDF	Premier Series Hinge Cover w/ Two Screws
SDFQR	Premier Series Hinge Cover w/ Quick-Release Pad Lockable Latches
SDFQRCC	Premier Series Clear Cover w/ Quick-Release Pad Lockable Latches

Premier Enclosure Style Immediately follows Type designation

DSC	Single-Door Disconnect
FM	Flush-Mount
SD	Single-Door
SDSS4	Single-Door Type 304 SS
SDSS6	Single-Door Type 316L SS
SDW	Single-Door w/ Window
SDWSS4	Single-Door w/ Window Type 304 SS
TD	Double-Door

Catalog Numbering Legend

Industrial Wireway



Wireway Size	Listed left of dash (-)
Wireway Type	Immediately follows dash (-)
12	NEMA 12
4X	NEMA 4X
4XS	NEMA 4X Type 304 Stainless Steel
Wireway Styles	Immediately follows Type designation
FW	Feed-Through Wireway
LW	Lay-In Wireway
WT	Wiring Trough

Lay-In Wireway Fittings

LAHM	Adapter for Hammond [†] Mfg.
LAHW	Adapter for Hoffman [†] or Wiegmann [†]
LARR	Adapter for Robroy [†] or Rittal [†]
LASD	Adapter for Square D [†]
BK	Barrier Kit
C	Coupling
LBC	Box Connector
LBH	Hanger, Bracket
LC	Cross, Top Open
LCF	Cut-Off Fitting/Lay-in Style
LCP	Closure Plate
LDH	Hanger, Drop
LE9A	90° Elbow, Top Open
LE9AC	90° Elbow, Outside-Top Open
LE9B	90° Elbow, Inside Open
LE9C	90° Elbow, Outside Open
LE9TC	90° Transposition Elbow, CW
LE9TCC	90° Transposition Elbow, CCW
LE15A	15° Elbow, Top Open
LE45A	45° Elbow, Top Open
LE45B	45° Elbow, Inside Open
LE45C	45° Elbow, Outside Open
LJB	Junction Box
LN1	1" Nipple
LN2	2" Nipple
LN3	3" Nipple
LR	Reducer
LSP	Sealing Plate, Flat
LTA	Tee, Top Open
LTF	Telescopic Fitting
LTSC	Transposition, Clockwise
LTSCC	Transposition, Counter Clockwise

† Marks shown are property of respective owners.

Feed-Through Fittings

BH	Hanger, Bracket
BK	Barrier Kit
DH	Hanger, Drop
FBC	Box Connector
FC	Cross
FCF	Cut-Off Fitting
FCP	Closure Plate
FE9	90° Elbow
FE45	45° Elbow
FFF	Flexible Fitting
FGK	Gasket Kit
FN1	1" Nipple
FN2	2" Nipple
FN3	3" Nipple
FN6	6" Nipple
FRC	Reducer Center
FRE	Reducer Edge
FT	Tee
FTF	Telescopic Fitting

Commercial Wireway



Wireway Size	Listed First
Screw Cover Wireway Style	Follows Size designation
G	Type 1 Screw Cover Wireway
GGV	Type 1 Screw Cover Wireway Galvanized

Screw Cover Wireway Fittings

C	Wireway Connector
E	Wireway End
FH	Wireway Hanger
FL	Hinged Elbow
FR	Wireway Reducer
FTF	Telescopic Fitting
GF	Wireway End Flange
L	Elbow
L SWEEP	Sweep Elbow
LTX	Elbow-Tee-Cross
T	Wireway Tee
X	Wireway Cross

Catalog Numbering Legend

Commercial Wireway cont.

Hinge Cover Wireway Style Follows Size designation

3RHS	EnviroShield™ Type 3R Wireway, Painted
3RAHS	EnviroShield™ Type 3R Wireway, Aluminum
HS	Type 1 Quick-Connect Hinge Cover Wireway

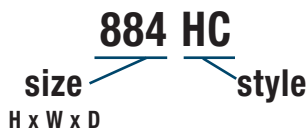
Hinge Cover Wireway Fittings

HSA	Wireway Connector - Adapter
HSC	Wireway Connector
HSE	Wireway End
HSF	Wireway End Flange
HSL	45° Elbow
HSL	90° Elbow
HST	Wireway Tee
HSU	Wireway Connector - Universal
HSX	Wireway Cross

Wire Trough Style Follows Size designation

GRT	Type 3R Screw Cover Wireway, Painted
GRTGV	3R Screw Cover Wireway, Galvanized
GTGV	Type 1 Wiring Trough, Galvanized

Commercial Enclosures



Enclosure Size Listed First

Enclosure Style Follows Size designation

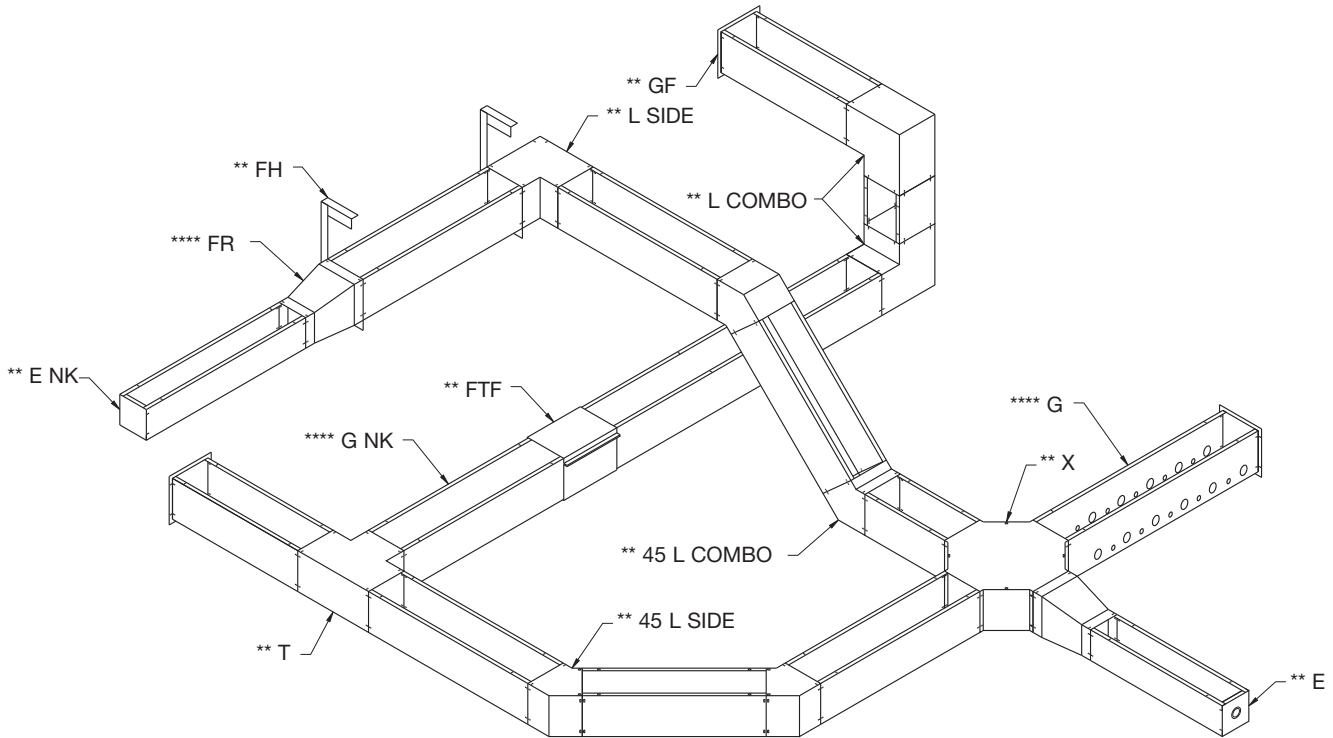
DRHC	Type 3R Double-Door Hinge Cover
HC	Type 1 Hinge Cover
HC NK	Type 1 Hinge Cover No Knockouts
HRTCT	Type 3R Current Transformer Hinge Cover
P	Type 1 Locking Enclosure with Perforated Panel
RHC	Type 3R Hinge Cover
RTC	Type 3R Telephone Termination Cabinet
RTCT	Type 3R Current Transformer Screw Cover
RTHC	Type 3R Hinge Cover
RTHC NK	Type 3R Hinge Cover No Knockouts
RTSC	Type 3R Screw Cover
RTSCGV	Type 3R Screw Cover Galvanized
RTSCGV NK	Type 3R Screw Cover Galvanized No Knockouts
RTSC NK	Type 3R Screw Cover No Knockouts
SC	Type 1 Screw Cover
SCG	Type 3 Gasketed Screw Cover
SCGV	Type 1 Screw Cover Galvanized
SCGV NK	Type 1 Screw Cover Galvanized No Knockouts
SC NK	Type 1 Screw Cover No Knockouts
TCF	Type 1 Telephone Termination Cabinet/Flush Mount
TCS	Type 1 Telephone Termination Cabinet/Surface Mount
WPSC	Type 3 Screw Cover

Accessories

AHP	Adjustable Hinge Panel Kit
AMK	Adjustable Mounting Kit
APK	Adjustable Panel Kit
AP	Aluminum Panel
BAP	Blank Adapter Plate
BK	Barrier Kit
BP	Baffle Plate
DF	Dead Front Panel
DK	Drop Shield Kit
DSTOPK	Door Stop Kit
EH	External Hinge
ES	Enclosure Stabilizer
FAS	Filter Adhesive Spray
FLT	Filters
FLWK	Frameless Window Kit
FSHELF	Folding Shelf Kit
GP	Galvanized Panel
GP	Gland Plates
HWK	Hinged Window Kits
IC	Inspection Cover
JICSPK	JIC Swing Panel Kit
KL	Keyed Lock
LPK	Louver Plate Kits
MC	Mounting Channels
MMF	Modular Mounting Frame
NSPK	NEMA Swing Panel Kit
P	Panel
PF	Fiberglass Panel
PCK	Panel Conversion Kit
PLH	Panel Lifting Hooks
PMK	Pole Mounting Kits
PS	Panel Support Kit
PP	Perforated Panel
PWK	Plexiglass Window Kit
QRCS	Quick-Release Cover Screw
RMA	Rack Mounting Angles
SCS	Slotted Cover Screw
SF	Swing-Out Rack Frames
SL	Standard Latch
SP	Sealing Plate
SP	Stainless Panel
SP	Swing-Out Panel
TB	Terminal Block
TS	Terminal Strap
TSK	Terminal Strap Support Kit
WB	Wood Back Board
WMHK	Wall-Mount Handle, Key Locking
WMHNL	Wall-Mount Handle, Non-Locking
WMHPTO	Wall-Mount Handle, Padlockable
WMK	Wall Mounting Kit



Wireway Nomenclature



This drawing is for illustration purposes only. It depicts how most Cooper B-Line Type 1 screw cover wireway straight sections and fittings could be used in an actual wireway run. Covers have been omitted in many instances to more clearly show the lay-in feature. Straight sections and fittings can be combined in many different configurations to accommodate any wiring application. The nomenclature depicts Type 1 screw cover wireway in ANSI 61 gray painted steel. In addition, Cooper B-Line also offers Type 1 galvanized screw cover wireway, Type 1 Quick-Connect hinge cover wireway, Type 3R wireway, NEMA 12 and NEMA 4 / 4X feed-through wireway, and NEMA 12 lay-in wireway.

NOMENCLATURE

**** FR	Reducer	** GF	End flange
**** G	Straight section with knockouts	** L COMBO	90° Elbow combo opening
**** G NK	Straight section without knockouts	** L SIDE	90° Elbow side opening
** E	End with knockouts	** 45 L COMBO	45° Elbow combo opening
** ENK	End without knockouts	** 45 L SIDE	45° Elbow side opening
** FH	Hanger	** T	Tee
** FTF	Telescopic fitting	** X	Cross

**** Specify height x depth x length

** Specify height x depth

Type 4 Panel Enclosures I

A Wall-Mount Enclosures Type 4 Double-Door with 3-Point Locking Data Sheet and Catalog Number



E Accessories

- Panels
- Window Kits
- Floor stand kit
- Lights
- Replacement handle, T4PKHB, (see page 422)

F Construction

- Enclosure and door are fabricated from (14) gauge steel
- All continuous welded seams are finished smooth
- Heavy-duty continuous hinges with stainless steel hinge pins
- Internal 3-point latching with keylocking and padlockable handles
- Removable centerpost for easy panel installation
- Doors have a seamless poured in-place gasket
- Formed lip around enclosure opening diverts liquids and contaminants
- Ground stud provided on door
- Print pocket provided
- .375-16 colar studs are provided for mounting optional panel
- External mounting feet

B Application

- Houses electrical controls and instruments
- Intended for indoor or outdoor use
- Protects against windblown dust and rain, splashing water and hose directed water

C Standards

- UL 508 listed, Type 4, 12
- CSA C22.2 No.94 certified, Type 4, 12
- Conforms to NEMA standard for Type 3, 4, 12

D Finish

- Wash and phosphate undercoat
- ANSI 61 gray polyester powder finish

Discount Schedule: C2

Subclass: DLO

Enclosure Catalog Number	Enclosure Size Height x Width x Depth A x B x C		Panel Catalog Number	Conductive Panel Catalog Number	Panel Size Height x Width in. mm	
	in.	mm			in.	mm
244210-4D3PT	24.00 x 42.00 x 10.00	609 x 1067 x 254	AW4224P	--	38.87 x 20.87	987 x 530
304210-4D3PT	30.00 x 42.00 x 10.00	762 x 1067 x 254	AW4230P	AW4230GP	38.87 x 26.87	987 x 682
304810-4D3PT	30.00 x 48.00 x 10.00	762 x 1219 x 254	AW4830P	AW4830GP	44.87 x 26.87	1139 x 682
306010-4D3PT	30.00 x 60.00 x 10.00	762 x 1524 x 254	AW6030P	--	56.87 x 26.87	1444 x 682
364812-4D3PT	36.00 x 48.00 x 12.00	914 x 1219 x 305	AW4836P	AW4836GP	44.87 x 32.87	1139 x 835
366012-4D3PT	36.00 x 60.00 x 12.00	762 x 1524 x 305	AW6036P	AW6036GP	56.87 x 32.87	1444 x 835

Notes: Cooper B-Line can provide special sizes, finishes and other modifications. Consult the factory for your special requirements.

162 K

Electrical Enclosures

A - Product Group & Type

B - Application Information

C - Applicable Standards

D - Finish Information

E - Optional Accessories

F - Construction Specification Bullets

G - Discount Schedule & Subclass

H - Catalog Number & Product Data

I - Catalog Section

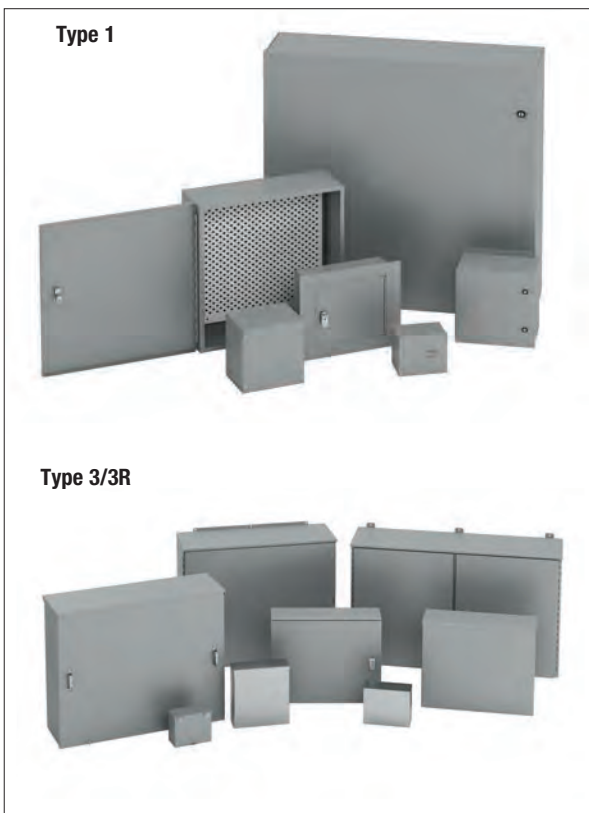
J - Tab - Color & Catalog Section

K - Page Number



WIREWAY

Wireway	Lay-In Wireway Type 1 Screw Cover	8-14
	Lay-In Wireway Type 1 Quick-Connect Hinge Cover	15-20
	Lay-In Wireway Type 3R EnviroShield™	21-24
	Lay-In Wireway Type 12	25-31
	Feed-Through Wireway Type 12	32-35
Wire Trough	Feed-Through Wireway Type 4X	36-39
	Wiring Trough Type 1 Screw Cover	40-41
	Wiring Trough Type 3R Screw Cover	42-43
	Wiring Trough Type 12 Lift-Off Cover	44-45
	Wiring Trough Type 4X Lift-Off Cover	46-47



TYPE 1, 3, & 3R ENCLOSURES

Junction Boxes	Junction Boxes Type 1 Screw Cover	50-53
	Junction Boxes Type 1 Hinge Cover	54-55
	Junction Boxes Type 3R Screw Cover	56-57
	Junction Boxes Type 3R Hinge Cover	58-59
	Junction Boxes Type 3 Screw Cover Gasketed	60-61
Panel Enclosures	Junction Boxes Type 3 Weatherproof Screw Cover	62-63
	Panel Enclosures Type 1 Small	64-65
	Panel Enclosures Type 1 Medium	66-67
	Panel Enclosures Type 1 Large	68-69
	Panel Enclosures Type 1 Locking Hinge Cover w/Perforated Panel	70-71
	Panel Enclosures Type 3R Small Continuous Hinge Cover	72-73
	Panel Enclosures Type 3R Large Continuous Hinge Cover	74-75
	Panel Enclosures Type 3R Double-Door	76-77
	Utility Cabinets Type 1 Telephone Cabinets	78-80
	Utility Cabinets Type 3R Telephone Cabinets	81-82
Utility Enclosures	Utility Cabinets Type 3R Screw Cover Current Transformer Cabinets	83-85
	Utility Cabinets Type 3R Hinge Cover Current Transformer Cabinets	86-87

Table of Contents



TYPE 12/13 ENCLOSURES

JIC Enclosures	Type 12 Lift-Off Cover	90-91
	Type 12 Continuous Hinge Cover	92-93
	Type 12 Screw Cover	94-95
	Type 12 Continuous Hinge Screw Cover	96-97
	Type 12 Continuous Hinge Quick-Release Cover	98-99
	Type 12 Large Continuous Hinge Screw Cover	100-101
	Type 12 Continuous Hinge Flanged Trough Cover ...	102-103
Wall-Mount Enclosures	Type 12 Single-Door	104-107
	Type 12 Terminal	108-109
	Type 12 Double-Door 3-Point Locking	110-111
Ground-Mount Enclosures	Type 12 Double-Door Floor-standing 3-Pt Locking	112-113
	Type 12 Single-Door Free-Standing 3-Point Locking	114-116
	Type 12 Double-Door Free-Standing 3-Point Locking	117-119
	Free-Standing Enclosure Accessories	120-128
	Type 12 Modular Free-Standing 3-Point Locking	129-132
	Type 12 Multi-Door Free-Standing 3-Point Locking	133-136



TYPE 4 ENCLOSURES

JIC Enc.	Type 4 Lift-Off Cover	138-139
	Type 4 Continuous Hinge Cover	140-141
	Type 4 Continuous Hinge Cover Quarter-Turn Latches	142-143
Wall-Mount Enclosures	Type 4 Single-Door	144-146
	Type 4 Premier™ Series Quarter-Turn Latches	147-149
	Type 4 Premier™ Series Flush-Mount Quarter-Turn Latches	150-151
	Type 12 Premier™ Series Double-Door Quarter-Turn Latches	152-153
	Premier™ Series Accessories	154-159
	Type 4 Single-Door 3-Point Locking	160-161
Type 4 Double-Door 3-Point Locking	162-163	

continued on page 3



Ground-Mount Enclosures

TYPE 4 ENCLOSURES continued from page 2

Type 4 Double-Door Floor-Standing	164-165
Type 4 Double-Door Floor-Standing Quarter-Turn Latches	166-167
Type 4 Double-Door Floor-Standing 3-Point Locking	168-169
Type 4 Free-Standing	170-171
Type 4 Free-Standing Quarter-Turn Latches	172-173
Type 4 Free-Standing 3-Point Locking	174-175
Type 4 EnviroShield™ Free-Standing 3-Point Locking	176-177
Free Standing Enclosure Accessories	178-190



JIC Enclosures

Wall-Mount Enclosures

Ground-Mount Enclosures

TYPE 4X ENCLOSURES

Type 4X Lift-Off Cover	192-193
Type 4X Lift-Off Cover, Aluminum	194-195
Type 4X Continuous Hinge Cover	196-197
Type 4X Continuous Hinge Cover, Aluminum	198-199
Type 4X Continuous Hinge Cover Quarter-Turn Latches	200-201
Type 4X Single-Door	202-203
Type 4X Single-Door, Aluminum	204-205
Type 4X Premier™ Quarter Turn Latches	206-209
Premier™ Series Accessories	210-215
Type 4X Single-Door 3-Point Locking	216-217
Type 4X Double-Door 3-Point Locking	218-219
Type 4X Double-Door Floor-Standing	220-221
Type 4X Double-Door Floor Standing, Aluminum	222-223
Type 4X Double-Door Floor-Standing Quarter-Turn Latches	224-225
Type 4X Double-Door Floor-Standing 3-Point Locking	226-227
Type 4X Single-Door Free-Standing	228-229
Type 4X Single-Door Free-Standing Quarter-Turn Latches	230-231
Type 4X Single-Door Free-Standing 3-Point Locking	232-233

continued on page 4



TYPE 4X ENCLOSURES continued from page 3

Ground-Mount Enclosures	Type 4X Single-Door Dual Access Free-Standing 3-Point Locking	234-235
	Type 4X Double-Door Free-Standing 3-Point Locking	236-237
	Type 4X Double-Door Dual Access Free-Standing 3-Point Locking	238-239
	Type 4X Double-Door EnviroShield™ Free-Standing 3-Point Locking	240-241
	Free-Standing Accessories	242-254



TYPE 4X FIBERGLASS ENCLOSURES

JIC Enclosures	Type 4X Lift-Off Screw Cover	256-257
	Type 4X Hinged Screw Cover	258-259
	Type 4X Hinged Quick-Release Cover	260-261
	Type 4X Hinged Quick-Release Window Cover ...	262-263
	Type 4X Premier™ Series Hinged Screw Cover ...	264-265
	Type 4X Premier™ Series Hinged Quick-Release Cover	266-267
Wall-Mount Enclosures	Type 4X Premier™ Series Hinged Quick-Release Clear Cover	268-269
	Type 4X Small Junction	270-273
	Type 3R Continuous Hinge Cover	274-275
Ground Mount	Type 4X Single-Door	276-277
	Type 4X Double-Door	278-279
Pushbutton Enc.	Type 4X Free-Standing Single-Door	280-281
	Type 4X Free-Standing Double-Door	282-283
	Type 4X In-Line 30mm Pushbutton	284-285
	Type 4X In-Line 22mm Pushbutton	286-287
	Type 4X Multi-Hole 30mm Pushbutton	288-289
	Fiberglass Back Panels	290-291
Fiberglass Accessories	292-294	



DISCONNECT ENCLOSURES

Wall-Mount Enc.	Type 12 Flange-Mount	296-298
	Type 4 & 4X Premier™ Series 2-Point & 3-Point Locking	299-300
	Wall-Mount Disconnect Mechanisms	301-306
Ground-Mount Enclosures	Type 12 Center & Flange-Mount Floor-Standing 3-Point Locking	307-311
	Floor-Standing Disconnect Mechanisms	312-319
	Type 12 Heavy-Duty Single & Multi Door Flange-Mount Free Standing	320-326
	Type 12 Modular Free-Standing	327-331
	Free-Standing Disconnect Mechanisms	332-339



OPERATOR ENCLOSURES

Pushbutton Enclosures	Type 12 - 22.5mm & 30.5mm	342-343
	Type 12 Extra-Deep - 30.5mm	344-345
	Type 12 Miniature - 22.5 mm	346-347
	Type 12 Hinge Cover - 30.5 mm with Panel	348-349
	Type 12 Angle Front - 30.5mm)	350-351
Console/Consoles	Console Type 12	353-355
	Console Type 12 - AW-9	356-357
	Console Type 12 - AW-12	358-360
	Console Type 12 - AW-14	361-365
	Console Accessories Type 12 - AW-14	366-367
	Console Accessories	368-369



CLIMATE CONTROL PRODUCTS

A/C-Heat Exchangers	Air Conditioner Type 12 Mini Panel-Mounted	375
	Air Conditioner Type 12 Trimline Air-Cooled Panel-Mounted	376-379
	Air Conditioner Horizontal Top-Mounted	380
	Air Conditioner Type 12/3R Advantage Series	381-383
	Air Conditioner Type 4X Series	384-386
	Heat Exchanger Type 12 KXHE Air-To-Air	388-389
Fans	Fans Twin & Triple	390-391
	Fans Filter Box	392
	Fans Twin Blowers	393
Heaters	PTC Fan Heaters	395
	PTC Heaters	396
	Fan Heaters	397
Therm -stats	Small Thermostats	398
	Electronic Humidity and Temperature Controls	398

Table of Contents



ACCESSORIES

Panels

JIC & Small Panels, RHC Panels, Type 1 Medium Panels, NEMA Panels, JIC Perforated Panels, Medium Perforated Panels, Flanged Panels, Wood Back Panels, 400-407

Panel Accessories

JIC & NEMA Swing Panel Kits, Panel Supports, Lifting Hooks 408-410

Window Kits - Fixed & Hinged 411-412

Door Accessories - Door Stops & Print Pockets 412

Locks, Latches, Inserts, Handles, Clamps

Locks, Latches, & Inserts 413-418

Handles 419-423

Clamp Kits 424-425

Padlock Kit 426

Bolt-On Accessories

Folding Shelf Kit & Gland Plates 427

Floor Stand Kit & Stabilizer 428

Louver Plate Kits, Filters, & Filter Adhesive 429-430

Baffle Plates & Hole Seals 431

Drip Shields & Casters 432

Barriers 433

Component Mounting Device 434

Electrical Accessories

JIC Terminal Strap & Block Strip Kits 435-436

NEMA Terminal Strap & Block Strip Kits 437

Terminal Blocks - Channel Mounted & Flat Base 438-439

Terminal Strap Support 440

Enclosure Lights & Interlocks 441-442

Power Strips & Receptacles 443-444

Disconnect Adapter Kits & Blank Adapter Plates 445

Columns & Bases 446-447

Hardware & Miscellaneous

Hardware Packages, Ground Lug & Devices, Sealing Devices, Clamping Nuts, Touch-Up Paint 448-450



ENGINEERING DATA

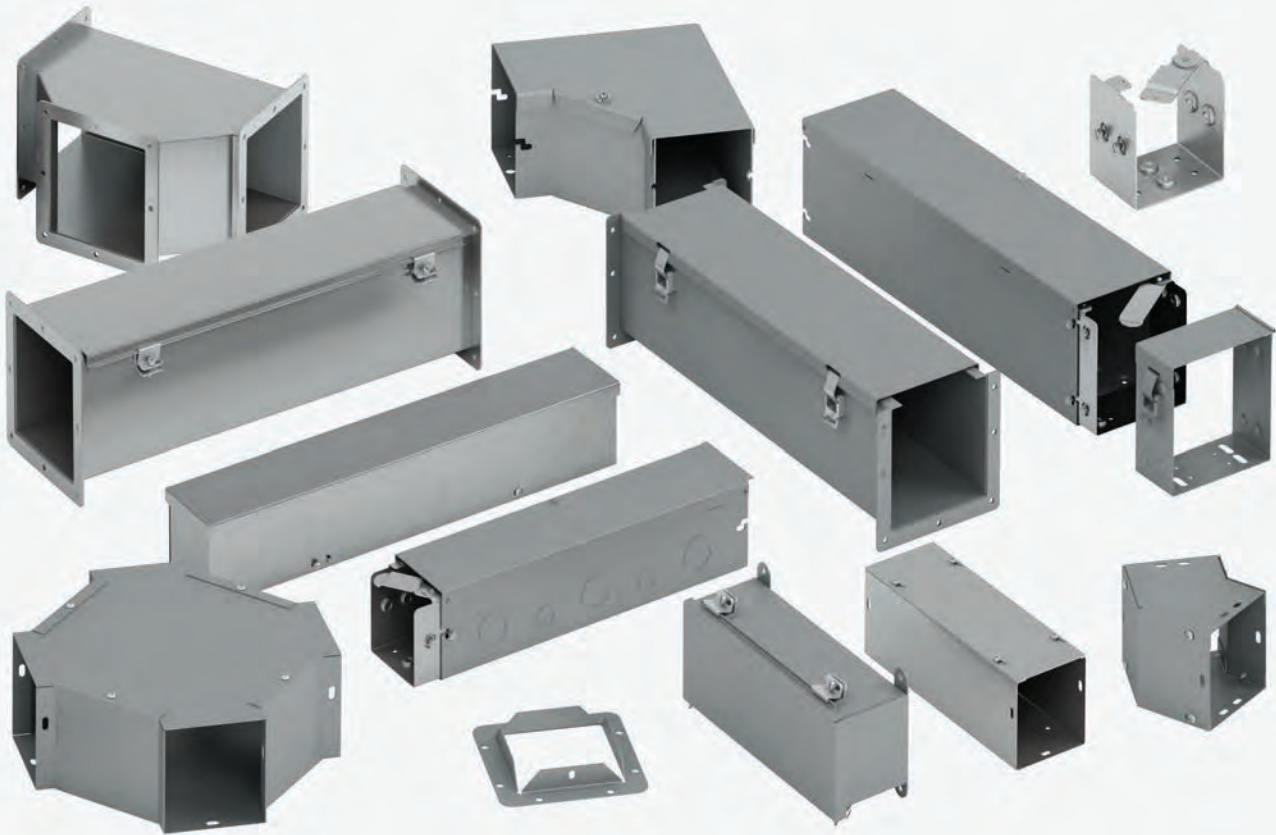
Standards, Enclosure Comparison Charts, Materials & Finishes, Corrosion Charts, Wireway Selection Charts, Decimal & Metric Conversion Charts 451-466

1084-12LC	91
1084-12SC	95
1084-4CHC	141

INDEX

Part Number Index 468-502

Cable & Wire Management



Lay-In Wireway Type 1 Screw Cover	8-14
Lay-In Wireway Type 1 Quick-Connect Hinge Cover	15-20
Lay-In Wireway Type 3R EnviroShield™	21-24
Lay-In Wireway Type 12	25-31
Feed-Through Wireway Type 12	32-35
Feed-Through Wireway Type 4X	36-39
Wiring Trough Type 1 Screw Cover	40-41
Wiring Trough Type 3R Screw Cover	42-43
Wiring Trough Type 12 Lift-Off Cover	44-45
Wiring Trough Type 4X Lift-Off Cover	46-47

Lay-In Wireway Type 1 Screw Cover - Painted & Galvanized Data Sheet



Application

- Houses runs of control and power cable
- Used for cable and wire junction, distribution and termination

Standards

- UL 870 listed, Type 1
- CSA C22.2 No. 26 certified, Type 1
- Conforms to NEMA standard for Type 1

Finish

- Wash and phosphate undercoat or galvanized steel
- ANSI 61 gray acrylic electrocoat finish

Accessories

- Sealing devices
- Touch-up paint
- See Accessories section

Construction

- Wireway body and cover are fabricated from code gauge steel or galvanized steel, (see table, pages 9 & 10)
- Wireway body has mounting holes on the back
- Wireway is available with or without knockouts
- Wireway fittings have no knockouts, ends are available with or without knockouts
- Cover is secured to the body with plated screws
- Keyhole slots are furnished on the wireway cover which allow easy access to the inside without removing the screws
- Wireway exceeding 72 inches in length has two overlapping covers
- Variety of fittings allow runs which can change direction, junction and terminate
- Standard wireway connectors (sold separately) have a gate feature which can swing completely open allowing for lay-in of wire and cable
- Interchangeable with Type 1 Hinge Cover Wireway and Fittings when HSCA connector is used, (see page 17)

Discount Schedule: A2

Subclass: AK1 & Z40

Notes: Cooper B-Line can provide special sizes, finishes and other modifications. Consult the factory for your special requirements.

Lay-In Wireway Type 1 Screw Cover - Painted & Galvanized Catalog Number

Wireway Catalog Number				Wireway Size		D		Gauge	Knockout Quantity	
Painted		Galvanized		Height x Depth x Length A x B x C		in.	mm		Top	Bottom
KO	No KO	KO	No KO	in.	mm					
2212 G	2212 G NK	--	2212 GGV NK	2.50 x 2.50 x 12.00	64 x 64 x 305	1.25	32	16	3	3
2224 G	2224 G NK	2224 GGV	2224 GGV NK	2.50 x 2.50 x 24.00	64 x 64 x 610	1.25	32	16	7	7
2236 G	2236 G NK	2236 GGV	2236 GGV NK	2.50 x 2.50 x 36.00	64 x 64 x 914	1.25	32	16	11	11
2248 G	2248 G NK	--	2248 GGV NK	2.50 x 2.50 x 48.00	64 x 64 x 1219	1.25	32	16	15	15
2260 G	2260 G NK	2260 GGV	2260 GGV NK	2.50 x 2.50 x 60.00	64 x 64 x 1524	1.25	32	16	23	23
22120 G	22120 G NK	22120 GGV	22120 GGV NK	2.50 x 2.50 x 120.00	64 x 64 x 3048	1.25	32	16	39	39
--	3312 G NK	--	--	3.00 x 3.00 x 12.00	76 x 76 x 305	1.50	38	16	3	3
--	3324 G NK	--	--	3.00 x 3.00 x 24.00	76 x 76 x 610	1.50	38	16	7	7
--	3336 G NK	--	--	3.00 x 3.00 x 36.00	76 x 76 x 914	1.50	38	16	11	11
--	3348 G NK	--	--	3.00 x 3.00 x 48.00	76 x 76 x 1219	1.50	38	16	15	15
--	3360 G NK	--	--	3.00 x 3.00 x 60.00	76 x 76 x 1524	1.50	38	16	19	19
--	3372 G NK	--	--	3.00 x 3.00 x 72.00	76 x 76 x 1829	1.50	38	16	23	23
--	33120 G NK	--	--	3.00 x 3.00 x 120.00	76 x 76 x 3048	1.50	38	16	39	39
4412 G	4412 G NK	4412 GGV	4412 GGV NK	4.00 x 4.00 x 12.00	102 x 102 x 305	2.75	70	16	3	3
4418 G	4418 G NK	--	4418 GGV NK	4.00 x 4.00 x 18.00	102 x 102 x 457	2.75	70	16	5	5
4424 G	4424 G NK	4424 GGV	4424 GGV NK	4.00 x 4.00 x 24.00	102 x 102 x 610	2.75	70	16	7	7
4436 G	4436 G NK	4436 GGV	4436 GGV NK	4.00 x 4.00 x 36.00	102 x 102 x 914	2.75	70	16	11	11
4448 G	4448 G NK	4448 GGV	4448 GGV NK	4.00 x 4.00 x 48.00	102 x 102 x 1219	2.75	70	16	15	15
4460 G	4460 G NK	4460 GGV	4460 GGV NK	4.00 x 4.00 x 60.00	102 x 102 x 1524	2.75	70	16	19	19
4472 G	4472 G NK	4472 GGV	4472 GGV NK	4.00 x 4.00 x 72.00	102 x 102 x 1829	2.75	70	16	23	23
44120 G	44120 G NK	44120 GGV	44120 GGV NK	4.00 x 4.00 x 120.00	102 x 102 x 3048	2.75	70	16	39	39
--	6412 G NK	--	--	6.00 x 4.00 x 12.00	152 x 102 x 305	4.25	108	16	3	3
--	6418 G NK	--	--	6.00 x 4.00 x 18.00	152 x 102 x 457	4.25	108	16	5	5
--	6424 G NK	--	--	6.00 x 4.00 x 24.00	152 x 102 x 610	4.25	108	16	7	7
--	6436 G NK	--	--	6.00 x 4.00 x 36.00	152 x 102 x 914	4.25	108	16	11	11
--	6448 G NK	--	--	6.00 x 4.00 x 48.00	152 x 102 x 1219	4.25	108	16	15	15
--	6460 G NK	--	--	6.00 x 4.00 x 60.00	152 x 102 x 1524	4.25	108	16	19	19
--	6472 G NK	--	--	6.00 x 4.00 x 72.00	152 x 102 x 1829	4.25	108	16	23	23
--	64120 G NK	--	--	6.00 x 4.00 x 120.00	152 x 102 x 3048	4.25	108	16	39	39
6612 G	6612 G NK	6612 GGV	6612 GGV NK	6.00 x 6.00 x 12.00	152 x 152 x 305	4.25	108	16	3	3
6618 G	6618 G NK	--	6618 GGV NK	6.00 x 6.00 x 18.00	152 x 152 x 457	4.25	108	16	5	5
6624 G	6624 G NK	6624 GGV	6624 GGV NK	6.00 x 6.00 x 24.00	152 x 152 x 610	4.25	108	16	7	7
6636 G	6636 G NK	6636 GGV	6636 GGV NK	6.00 x 6.00 x 36.00	152 x 152 x 914	4.25	108	16	11	11
6648 G	6648 G NK	6648 GGV	6648 GGV NK	6.00 x 6.00 x 48.00	152 x 152 x 1219	4.25	108	16	15	15
6660 G	6660 G NK	6660 GGV	6660 GGV NK	6.00 x 6.00 x 60.00	152 x 152 x 1524	4.25	108	16	19	19
6672 G	6672 G NK	6672 GGV	6672 GGV NK	6.00 x 6.00 x 72.00	152 x 152 x 1829	4.25	108	16	23	23
66120 G	66120 G NK	66120 GGV	66120 GGV NK	6.00 x 6.00 x 120.00	152 x 152 x 3048	4.25	108	16	39	39
8812 G	8812 G NK	8812 GGV	8812 GGV NK	8.00 x 8.00 x 12.00	203 x 203 x 305	6.00	152	14	3	3
8818 G	8818 G NK	--	8818 GGV NK	8.00 x 8.00 x 18.00	203 x 203 x 457	6.00	152	14	5	5
8824 G	8824 G NK	8824 GGV	8824 GGV NK	8.00 x 8.00 x 24.00	203 x 203 x 610	6.00	152	14	7	7
8836 G	8836 G NK	8836 GGV	8836 GGV NK	8.00 x 8.00 x 36.00	203 x 203 x 914	6.00	152	14	11	11
8848 G	8848 G NK	8848 GGV	8848 GGV NK	8.00 x 8.00 x 48.00	203 x 203 x 1219	6.00	152	14	15	15
8860 G	8860 G NK	8860 GGV	8860 GGV NK	8.00 x 8.00 x 60.00	203 x 203 x 1524	6.00	152	14	19	19
8872 G	8872 G NK	8872 GGV	8872 GGV NK	8.00 x 8.00 x 72.00	203 x 203 x 1829	6.00	152	14	23	23
88120 G	88120 G NK	88120 GGV	88120 GGV NK	8.00 x 8.00 x 120.00	203 x 203 x 3048	6.00	152	14	39	39

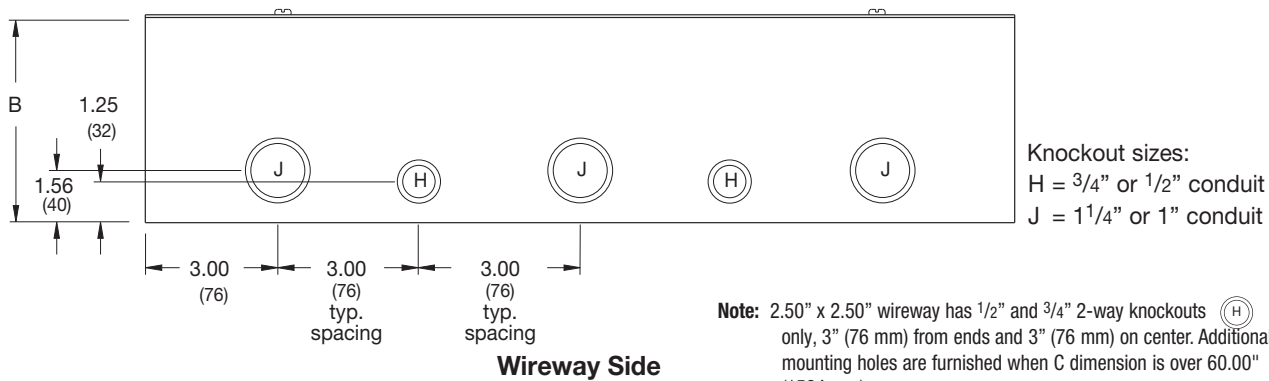
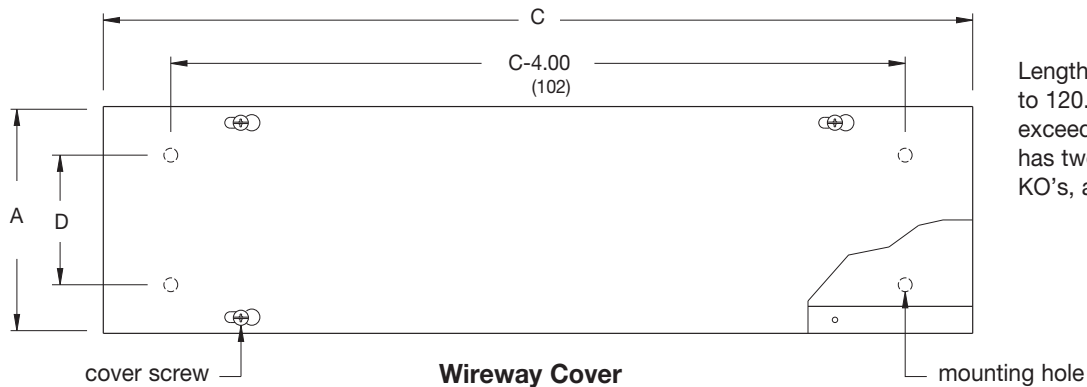
See page 10 for 10"x10" and 12"x12" wireway.

Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Cable & Wire Management

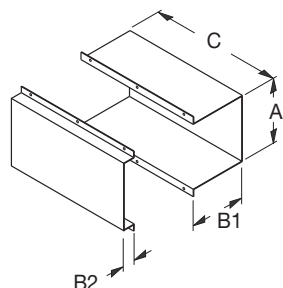
Lay-In Wireway Type 1 Screw Cover - Painted & Galvanized Illustration Sheet and Catalog Number

Wireway Catalog Number				Wireway Size		D		Gauge	Knockout Quantity	
Painted		Galvanized		Height x Depth x Length A x B x C		in.	mm		Top	Bottom
KO	No KO	KO	No KO	in.	mm					
101012 G	101012 G NK	--	101012 GGV NK	10.00 x 10.00 x 12.00	254 x 254 x 305	8.00	203	14	3	3
101024 G	101024 G NK	--	101024 GGV NK	10.00 x 10.00 x 24.00	254 x 254 x 610	8.00	203	14	7	7
101036 G	101036 G NK	--	101036 GGV NK	10.00 x 10.00 x 36.00	254 x 254 x 914	8.00	203	14	11	11
101048 G	101048 G NK	--	101048 GGV NK	10.00 x 10.00 x 48.00	254 x 254 x 1219	8.00	203	14	15	15
101060 G	101060 G NK	--	101060 GGV NK	10.00 x 10.00 x 60.00	254 x 254 x 1524	8.00	203	14	19	19
101072 G	101072 G NK	--	101072 GGV NK	10.00 x 10.00 x 72.00	254 x 254 x 1829	8.00	203	14	23	23
1010120 G	1010120 G NK	--	1010120 GGV NK	10.00 x 10.00 x 120.00	254 x 254 x 3048	8.00	203	14	39	39
121212 G	121212 G NK	--	121212 GGV NK	12.00 x 12.00 x 12.00	305 x 305 x 305	10.00	254	14	3	3
121224 G	121224 G NK	--	121224 GGV NK	12.00 x 12.00 x 24.00	305 x 305 x 610	10.00	254	14	7	7
121236 G	121236 G NK	--	121236 GGV NK	12.00 x 12.00 x 36.00	305 x 305 x 914	10.00	254	14	11	11
121248 G	121248 G NK	--	121248 GGV NK	12.00 x 12.00 x 48.00	305 x 305 x 1219	10.00	254	14	15	15
121260 G	121260 G NK	--	121260 GGV NK	12.00 x 12.00 x 60.00	305 x 305 x 1524	10.00	254	14	19	19
121272 G	121272 G NK	--	121272 GGV NK	12.00 x 12.00 x 72.00	305 x 305 x 1829	10.00	254	14	23	23
1212120 G	1212120 G NK	--	1212120 GGV NK	12.00 x 12.00 x 120.00	305 x 305 x 3048	10.00	254	14	39	39



Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Lay-In Wireway Type 1 Screw Cover - Painted & Galvanized Illustration Sheet and Catalog Number

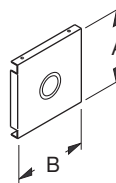


Telescopic Fitting

Adjustable length up to 10.00" (254 mm). Wraps around the two near joining wireway lengths to achieve a continuous run.

End

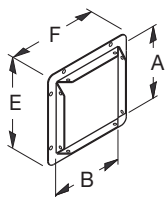
Used to terminate wireway or fitting. 2.50" x 2.50" (64 mm x 64 mm) through 8.00" x 8.00" (203 mm x 203 mm) ends have a 1.50"-1.25" concentric 2-way KO. 10.00" x 10.00" (254 mm x 254 mm) ends and larger have a 3.00" - 2.50" concentric 2-way KO for terminating on pipe or conduit. Also available without KO.



Catalog Number		A		B1		B2		C	
Painted	Galvanized	in.	mm	in.	mm	in.	mm	in.	mm
22 FTF	22 FTFGV	2.75	70	1.75	44	1.12	28	12.00	305
33 FTF	--	3.25	83	2.25	57	1.12	28	12.00	305
44 FTF	44 FTFGV	4.25	108	3.25	83	1.12	28	12.00	305
64 FTF	--	6.25	159	3.25	83	1.12	28	12.00	305
66 FTF	66 FTFGV	6.25	159	5.25	133	1.12	28	12.00	305
88 FTF	88 FTFGV	8.25	210	7.25	184	1.12	28	12.00	305
1010 FTF	1010 FTFGV	10.25	260	9.25	235	1.12	28	12.00	305
1212 FTF	1212 FTFGV	12.25	311	11.25	286	1.12	28	12.00	305

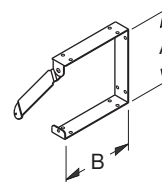
Catalog Number				A		B	
KO	No KO Painted	KO Galvanized	No KO	in.	mm	in.	mm
				22 E	22 E NK	22 EGV	22 EGV NK
33 E	33 E NK	--	--	3.00	76	3.00	76
44 E	44 E NK	44 EGV	44 EGV NK	4.00	102	4.00	102
64 E	64 E NK	--	--	6.00	152	4.00	102
66 E	66 E NK	66 EGV	66 EGV NK	6.00	152	6.00	152
88 E	88 E NK	88 EGV	88 EGV NK	8.00	203	8.00	203
1010 E	1010 E NK	1010 EGV	1010 EGV NK	10.00	254	10.00	254
1212 E	1212 E NK	1212 EGV	1212 EGV NK	12.00	305	12.00	305

See drawing for KO sizes.



Wireway End Flange

Allows for a secure connection of wireway to an adjoining enclosure or wall.



Connector

Swing gate allows for lay-in of wire and cable.

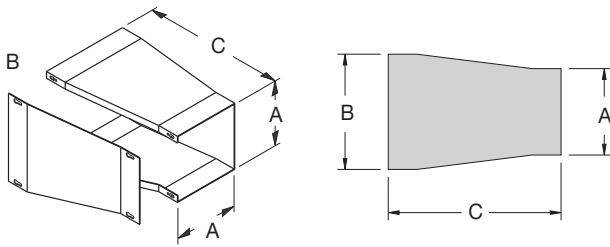
Catalog Number		A		B		E		F	
Painted	Galvanized	in.	mm	in.	mm	in.	mm	in.	mm
22 GF	22 GFV	2.50	64	2.50	64	4.00	102	4.00	102
33 GF	--	3.00	76	3.00	76	4.50	114	4.50	114
44 GF	44 GFV	4.00	102	4.00	102	5.50	140	5.50	140
64 GF	--	6.00	152	4.00	102	7.50	191	5.50	140
66 GF	66 GFV	6.00	152	6.00	152	7.50	191	7.50	191
88 GF	88 GFV	8.00	203	8.00	203	9.50	241	9.50	241
1010 GF	1010 GFV	10.00	254	10.00	254	11.50	292	11.50	292
1212 GF	1212 GFV	12.00	305	12.00	305	13.50	343	13.50	343

Catalog Number	A		B	
	in.	mm	in.	mm
22 C	2.50	64	2.50	64
33 C	3.00	76	3.00	76
44 C	4.00	102	4.00	102
64 C	6.00	152	4.00	102
66 C	6.00	152	6.00	152
88 C	8.00	203	8.00	203
1010 C	10.00	254	10.00	254
1212 C	12.00	305	12.00	305

Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Cable & Wire Management

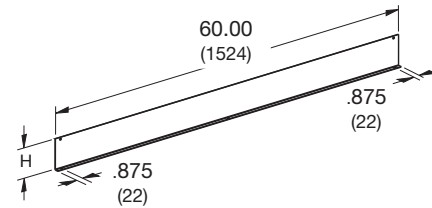
Lay-In Wireway Type 1 Screw Cover - Painted & Galvanized Illustration Sheet and Catalog Number



Reducer

B dimensions (see catalog table), correspond to the large end opening. Used to reduce or enlarge wireway runs.

Reducer							
Catalog Number		A		B		C	
Painted	Galvanized	in.	mm	in.	mm	in.	mm
2233 FR	--	2.50	64	3.00	76	6.00	152
3344 FR	--	3.00	76	4.00	102	8.00	203
4466 FR	--	4.00	102	6.00	152	10.00	254
6688 FR	--	6.00	152	8.00	203	12.00	305
881010 FR	--	8.00	203	10.00	254	12.00	305
10101212 FR	--	10.00	254	12.00	305	16.00	406



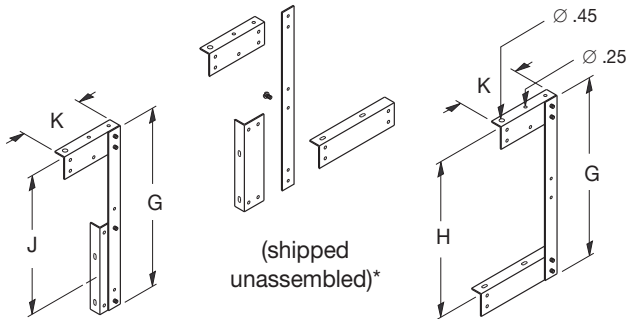
Barrier, Bolt-On

For those installations that require separated wiring compartments.

Barrier Kit, 60" Bolt-On						
Catalog Number	Size		Length		H	
	in.	mm	in.	mm	in.	mm
22-12BK*	2.50 x 2.50	64 x 64	60.00	1524	1.88	48
33-12BK*	3.00 x 3.00	76 x 76	60.00	1524	2.25	57
44-12BK*	4.00 x 4.00	102 x 102	60.00	1524	3.00	76
66-12BK*	6.00 x 6.00	152 x 152	60.00	1524	4.50	114
88-12BK*	8.00 x 8.00	203 x 203	60.00	1524	6.00	152
1010-12BK*	10.00 x 10.00	254 x 254	60.00	1524	8.00	203
1212-12BK*	12.00 x 12.00	305 x 305	60.00	1524	10.50	267

*Not UL or CSA listed fitting.

Wireway Hangers



(shipped unassembled)*

Side Cover Assembly

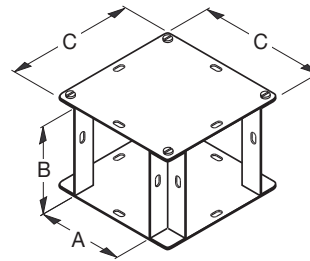
For those installations where the wireway cover must be removed from the side.

Top Cover Assembly

For those installations where the wireway cover must be removed from the top.

Wireway Hanger									
Catalog Number		G		H		J		K	
Painted	Galvanized	in.	mm	in.	mm	in.	mm	in.	mm
22 FH	--	8.50	216	6.50	165	6.50	165	2.87	73
33 FH	--	10.50	267	8.50	216	9.00	229	3.87	98
44 FH	--	12.50	318	10.50	267	10.37	263	4.87	124
66 FH	--	16.50	419	14.50	368	13.50	343	5.87	149
88 FH	--	20.50	521	18.50	470	16.75	425	6.87	174
1010 FH*	--	24.50	622	22.50	572	19.75	502	7.87	200
1212 FH*	--	28.50	724	26.50	673	22.75	578	8.87	225

*Hangers are shipped welded in the top cover assembly position.



90° Elbow-Tee-Cross

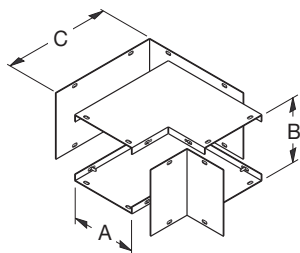
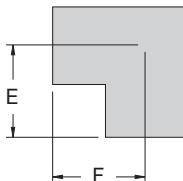
Designed for left or right 90° turns or as a tee or cross by removing closure plates. Includes two (2) closure plates and hardware.

90° Elbow - Tee - Cross							
Catalog Number		A		B		C	
Painted	Galvanized	in.	mm	in.	mm	in.	mm
22 LTX	22 LTXGV	2.50	64	2.50	64	4.50	114
33 LTX	--	3.00	76	3.00	76	5.00	127
44 LTX	44 LTXGV	4.00	102	4.00	102	6.00	152
64 LTX	--	6.00	152	4.00	102	8.00	203
66 LTX	66 LTXGV	6.00	152	6.00	152	8.00	203
88 LTX	88 LTXGV	8.00	203	8.00	203	10.00	254
1010 LTX	1010 LTXGV	10.00	254	10.00	254	12.00	305
1212 LTX	1212 LTXGV	12.00	305	12.00	305	14.00	356

Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

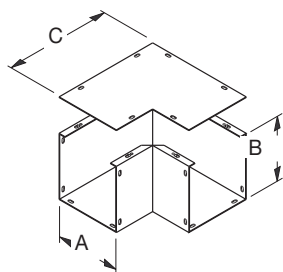
Lay-In Wireway Type 1 - Painted & Galvanized Illustration Sheet and Catalog Number

**Wireway 90° Elbows
Screw Cover**



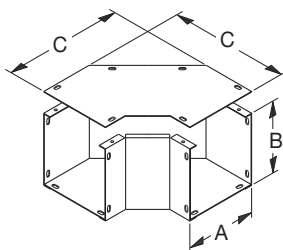
Combo Opening

Specially designed for removing either the inside or outside cover to allow a continuous run with 90° turns.



Side Opening

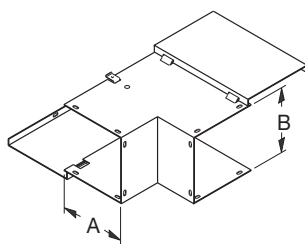
Side cover is removable to allow a continuous run on designs with 90° turns.



Sweep Elbow

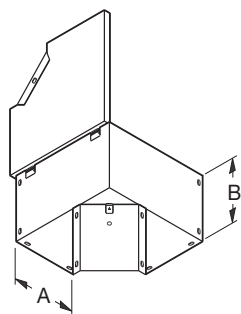
Side cover design with a larger radius for 90° sweeping turns.

**Wireway 90° Elbows
Hinged Cover**



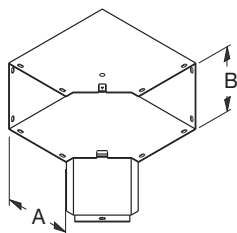
Outside Opening

Specifically designed to have the outside covers hinge open to allow a continuous run with 90° turns.



Side Opening

Side cover is hinged to allow a continuous run on designs with 90° sweeping turns.



Inside Opening

Specifically designed to have only the inside cover hinge open to allow a continuous run with 90° turns.

90° Elbow - Screw Cover

Catalog Number		A		B		C		E		F	
Painted	Galvanized	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm
22 L COMBO	22 L COMBOGV	2.50	64	2.50	64	5.59	142	4.28	109	4.28	109
33 L COMBO	--	3.00	76	3.00	76	6.09	155	4.50	114	4.50	114
44 L COMBO	44 L COMBOGV	4.00	102	4.00	102	7.09	180	5.00	127	5.00	127
64 L COMBO	--	4.00	102	6.00	152	10.09	256	5.00	127	5.00	127
66 L COMBO	66 L COMBOGV	6.00	152	6.00	152	10.09	256	7.00	178	7.00	178
88 L COMBO	88 L COMBOGV	8.00	203	8.00	203	12.09	307	8.00	203	8.00	203
1010 L COMBO	1010 L COMBOGV	10.00	254	10.00	254	14.09	358	9.00	229	9.00	229
1212 L COMBO	1212 L COMBOGV	12.00	305	12.00	305	16.09	409	10.00	254	10.00	254
22 L SIDE	--	2.50	64	2.50	64	5.59	142	4.28	109	4.28	109
33 L SIDE	--	3.00	76	3.00	76	6.09	155	4.50	114	4.50	114
44 L SIDE	--	4.00	102	4.00	102	7.09	180	5.00	127	5.00	127
64 L SIDE	--	6.00	152	4.00	102	10.09	256	7.00	178	7.00	178
66 L SIDE	--	6.00	152	6.00	152	10.09	256	7.00	178	7.00	178
88 L SIDE	--	8.00	203	8.00	203	12.09	307	8.00	203	8.00	203
1010 L SIDE	--	10.00	254	10.00	254	14.09	358	10.00	254	9.00	229
1212 L SIDE	--	12.00	305	12.00	305	16.09	409	10.00	254	10.00	254
22 L SWEEP	22 L SWEEPGV	2.50	64	2.50	64	5.63	143	4.25	108	4.25	108
33 L SWEEP	--	3.00	76	3.00	76	8.41	214	6.84	174	6.84	174
44 L SWEEP	44 L SWEEPGV	4.00	102	4.00	102	9.41	239	7.34	186	7.34	186
64 L SWEEP	--	6.00	152	4.00	102	11.41	290	8.34	212	8.34	212
66 L SWEEP	66 L SWEEPGV	6.00	152	6.00	152	11.41	290	8.34	212	8.34	212
88 L SWEEP	88 L SWEEPGV	8.00	203	8.00	203	13.41	341	9.34	237	9.34	237
1010 L SWEEP	1010 L SWEEPGV	10.00	254	10.00	254	15.41	391	10.34	263	10.34	263
1212 L SWEEP	1212 L SWEEPGV	12.00	305	12.00	305	17.41	442	11.34	288	11.34	288

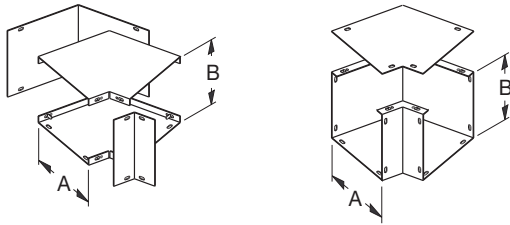
90° Elbow - Hinged Cover

Catalog Number	A		B		E		F	
	in.	mm	in.	mm	in.	mm	in.	mm
33 FL IN	3.00	76	3.00	76	5.50	140	5.50	140
44 FL IN	4.00	102	4.00	102	6.00	152	6.00	152
66 FL IN	6.00	152	6.00	152	7.00	178	7.00	178
88 FL IN	8.00	203	8.00	203	8.00	203	8.00	203
1010 FL IN	10.00	254	10.00	254	9.00	229	9.00	229
1212 FL IN	12.00	305	12.00	305	10.00	254	10.00	254
33 FL OUT	3.00	76	3.00	76	5.50	140	5.50	140
44 FL OUT	4.00	102	4.00	102	6.00	152	6.00	152
66 FL OUT	6.00	152	6.00	152	7.00	178	7.00	178
88 FL OUT	8.00	203	8.00	203	8.00	203	8.00	203
1010 FL OUT	10.00	254	10.00	254	9.00	229	9.00	229
1212 FL OUT	12.00	305	12.00	305	10.00	254	10.00	254
33 FL SIDE	3.00	76	3.00	76	5.50	140	5.50	140
44 FL SIDE	4.00	102	4.00	102	6.00	152	6.00	152
66 FL SIDE	6.00	152	6.00	152	7.00	178	7.00	178
88 FL SIDE	8.00	203	8.00	203	8.00	203	8.00	203
1010 FL SIDE	10.00	254	10.00	254	9.00	229	9.00	229
1212 FL SIDE	12.00	305	12.00	305	10.00	254	10.00	254

Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Lay-In Wireway Type 1 Screw Cover - Painted & Galvanized Illustration Sheet and Catalog Number

Wireway 45° Elbows

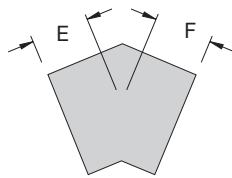


Combo Opening

Similar to the 90° elbow design except a 45° turn. Both inside and outside covers removable.

Side Opening

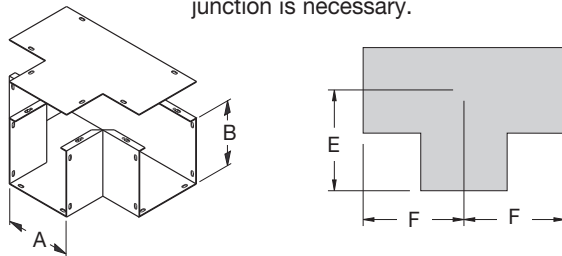
Similar to the 90° side opening design except for a 45° turn. Excellent for combining two to make a gradual sweeping 90° turn.



45° Elbow									
Catalog Number		A		B		E		F	
Painted	Galvanized	in.	mm	in.	mm	in.	mm	in.	mm
2245 L COMBO	2245 L COMBOGV	2.50	64	2.50	64	1.72	44	1.72	44
3345 L COMBO	--	3.00	76	3.00	76	2.56	65	2.56	65
4445 L COMBO	4445 L COMBOGV	4.00	102	4.00	102	2.75	70	2.75	70
6445 L COMBO	--	4.00	102	6.00	153	2.75	70	2.75	70
6645 L COMBO	6645 L COMBOGV	6.00	153	6.00	153	3.18	81	3.18	81
8845 L COMBO	8845 L COMBOGV	8.00	203	8.00	203	3.62	92	3.62	92
101045 L COMBO	101045 L COMBOGV	10.00	254	10.00	254	4.06	103	4.06	103
121245 L COMBO	121245 L COMBOGV	12.00	305	12.00	305	4.50	114	4.50	114
2245 L SIDE	--	2.50	64	2.50	64	1.97	50	1.97	50
3345 L SIDE	--	3.00	76	3.00	76	2.56	65	2.56	65
4445 L SIDE	--	4.00	102	4.00	102	2.75	70	2.75	70
6445 L SIDE	--	6.00	153	4.00	102	3.18	81	3.18	81
6645 L SIDE	--	6.00	153	6.00	153	3.18	81	3.18	81
8845 L SIDE	--	8.00	203	8.00	203	3.62	92	3.62	92
101045 L SIDE	--	10.00	254	10.00	254	4.06	103	4.06	103
121245 L SIDE	--	12.00	305	12.00	305	4.50	114	4.50	114

Tee

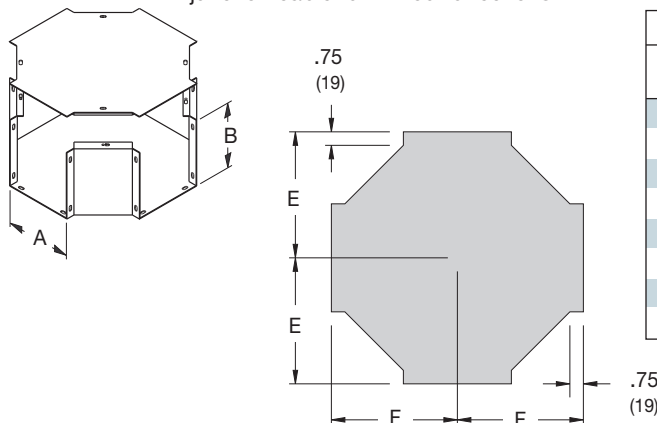
Side cover design where a "T" junction is necessary.



Tee									
Catalog Number		A		B		E		F	
Painted	Galvanized	in.	mm	in.	mm	in.	mm	in.	mm
22 T	22 TGV	2.50	64	2.50	64	4.25	108	4.25	108
33 T	--	3.00	76	3.00	76	4.50	114	4.50	114
44 T	44 TGV	4.00	102	4.00	102	5.00	127	5.00	127
64 T	--	6.00	153	4.00	102	7.00	178	7.00	178
66 T	66 TGV	6.00	153	6.00	153	7.00	178	7.00	178
88 T	88 TGV	8.00	203	8.00	203	8.00	203	8.00	203
1010 T	1010 TGV	10.00	254	10.00	254	9.00	229	9.00	229
1212 T	1212 TGV	12.00	305	12.00	305	10.00	254	10.00	254

Cross

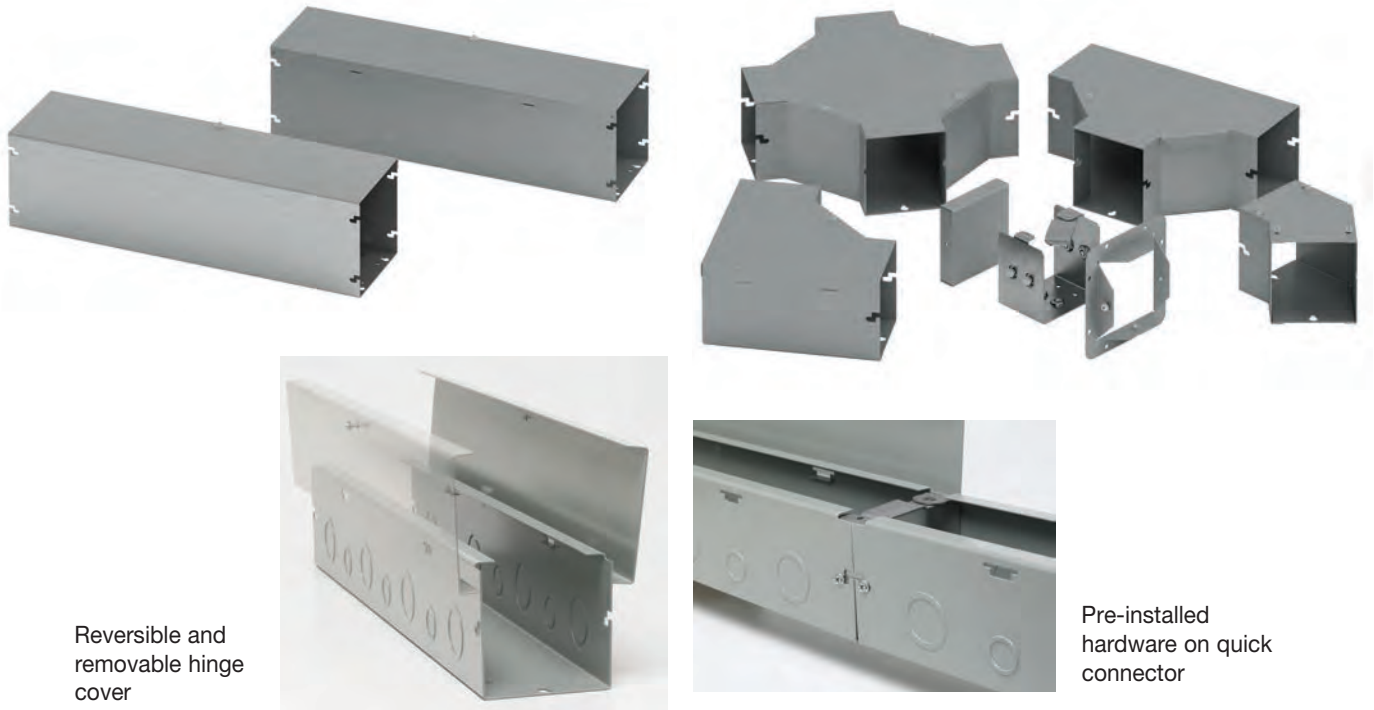
Side cover and broad body design to junction cable run in four directions.



Cross									
Catalog Number		A		B		E		F	
Painted	Galvanized	in.	mm	in.	mm	in.	mm	in.	mm
22 X	22 XGV	2.50	64	2.50	64	4.25	108	4.25	108
33 X	--	3.00	76	3.00	76	5.62	143	5.62	143
44 X	44 XGV	4.00	102	4.00	102	6.12	155	6.12	155
64 X	--	6.00	152	4.00	102	7.12	181	7.12	181
66 X	66 XGV	6.00	152	6.00	152	7.12	181	7.12	181
88 X	88 XGV	8.00	203	8.00	203	8.12	206	8.12	206
1010 X	1010 XGV	10.00	254	10.00	254	9.12	232	9.12	232
1212 X	1212 XGV	12.00	305	12.00	305	10.12	257	10.12	257

Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Lay-In Wireway Type 1 Quick-Connect Hinge Cover Data Sheet



Reversible and removable hinge cover

Pre-installed hardware on quick connector

Application

- Houses runs of control and power cable
- Used for cable and wire junction, distribution and termination

Standards

- UL 870 listed, Type 1
- CSA C22.2 No. 26 certified, Type 1
- Conforms to NEMA standard for Type 1

Finish

- Wash and phosphate undercoat
- ANSI 61 gray acrylic electrocoat finish

Accessories

- Touch-up paint
- See Accessories section

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Construction

- Wireway body and cover are fabricated from code gauge steel, (see table, page 16)
- Wireway body has mounting holes on the back
- Wireway is available with or without knockouts
- Wireway fittings have no knockouts, ends are available with or without knockouts
- Wireway exceeding 72 inches in length has two overlapping covers
- Variety of fittings allow runs which can change directions, junction and terminate
- Wireway connectors (sold separately) have a gate feature which can swing completely open allowing for lay-in of wire and cable
- Universal style connectors are also available for adapting to other manufacturer's wireway, (see page 17)
- Except for wireway ends, completely interchangeable with Type 1 screw cover wireway and fittings through use of the adapter style connector HSCA, (see page 17)

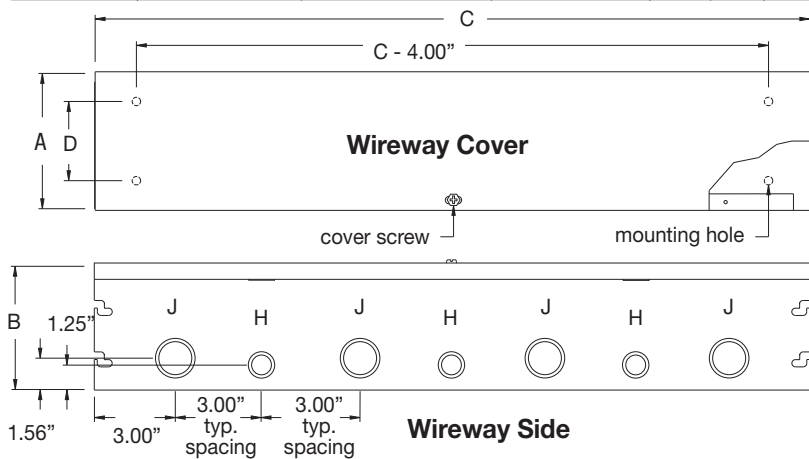
Discount Schedule: A2

Subclass: HS1

Notes: Cooper B-Line can provide special sizes, finishes and other modifications. Consult the factory for your special requirements.

Lay-In Wireway Type 1 Quick-Connect Hinge Cover Illustration Sheet and Catalog Number

Wireway Catalog Number		Wireway Size Height x Depth x Length		D		Gauge	Knockout Quantity	
KO	No KO	A x B x C		in.	mm		Top	Bottom
		in.	mm					
2212 HS	2212 HS NK	2.50 x 2.50 x 12.00	63 x 63 x 305	1.25	32	16	3	3
2224 HS	2224 HS NK	2.50 x 2.50 x 24.00	63 x 63 x 610	1.25	32	16	7	7
2236 HS	2236 HS NK	2.50 x 2.50 x 36.00	63 x 63 x 914	1.25	32	16	11	11
2248 HS	2248 HS NK	2.50 x 2.50 x 48.00	63 x 63 x 1219	1.25	32	16	15	15
2260 HS	2260 HS NK	2.50 x 2.50 x 60.00	63 x 63 x 1524	1.25	32	16	19	19
2272 HS	2272 HS NK	2.50 x 2.50 x 72.00	63 x 63 x 1829	1.25	32	16	23	23
22120 HS	22120 HS NK	2.50 x 2.50 x 120.00	63 x 63 x 3048	1.25	32	16	39	39
4412 HS	4412 HS NK	4.00 x 4.00 x 12.00	102 x 102 x 305	2.75	70	16	3	3
4424 HS	4424 HS NK	4.00 x 4.00 x 24.00	102 x 102 x 610	2.75	70	16	7	7
4436 HS	4436 HS NK	4.00 x 4.00 x 36.00	102 x 102 x 914	2.75	70	16	11	11
4448 HS	4448 HS NK	4.00 x 4.00 x 48.00	102 x 102 x 1219	2.75	70	16	15	15
4460 HS	4460 HS NK	4.00 x 4.00 x 60.00	102 x 102 x 1524	2.75	70	16	19	19
4472 HS	4472 HS NK	4.00 x 4.00 x 72.00	102 x 102 x 1829	2.75	70	16	23	23
44120 HS	44120 HS NK	4.00 x 4.00 x 120.00	102 x 102 x 3048	2.75	70	16	39	39
6612 HS	6612 HS NK	6.00 x 6.00 x 12.00	152 x 152 x 305	4.25	108	16	3	3
6624 HS	6624 HS NK	6.00 x 6.00 x 24.00	152 x 152 x 610	4.25	108	16	7	7
6636 HS	6636 HS NK	6.00 x 6.00 x 36.00	152 x 152 x 914	4.25	108	16	11	11
6648 HS	6648 HS NK	6.00 x 6.00 x 48.00	152 x 152 x 1219	4.25	108	16	15	15
6660 HS	6660 HS NK	6.00 x 6.00 x 60.00	152 x 152 x 1524	4.25	108	16	19	19
6672 HS	6672 HS NK	6.00 x 6.00 x 72.00	152 x 152 x 1829	4.25	108	16	23	23
66120 HS	66120 HS NK	6.00 x 6.00 x 120.00	152 x 152 x 3048	4.25	108	16	39	39
8812 HS	8812 HS NK	8.00 x 8.00 x 12.00	203 x 203 x 305	6.00	152	14	3	3
8824 HS	8824 HS NK	8.00 x 8.00 x 24.00	203 x 203 x 610	6.00	152	14	7	7
8836 HS	8836 HS NK	8.00 x 8.00 x 36.00	203 x 203 x 914	6.00	152	14	11	11
8848 HS	8848 HS NK	8.00 x 8.00 x 48.00	203 x 203 x 1219	6.00	152	14	15	15
8860 HS	8860 HS NK	8.00 x 8.00 x 60.00	203 x 203 x 1524	6.00	152	14	19	19
8872 HS	8872 HS NK	8.00 x 8.00 x 72.00	203 x 203 x 1829	6.00	152	14	23	23
88120 HS	88120 HS NK	8.00 x 8.00 x 120.00	203 x 203 x 3048	6.00	152	14	39	39
101012 HS	101012 HS NK	10.00 x 10.00 x 12.00	254 x 254 x 305	8.00	203	14	3	3
101024 HS	101024 HS NK	10.00 x 10.00 x 24.00	254 x 254 x 610	8.00	203	14	7	7
101036 HS	101036 HS NK	10.00 x 10.00 x 36.00	254 x 254 x 914	8.00	203	14	11	11
101048 HS	101048 HS NK	10.00 x 10.00 x 48.00	254 x 254 x 1219	8.00	203	14	15	15
101060 HS	101060 HS NK	10.00 x 10.00 x 60.00	254 x 254 x 1524	8.00	203	14	19	19
1010120 HS	1010120 HS NK	10.00 x 10.00 x 120.00	254 x 254 x 3048	8.00	203	14	39	39
121212 HS	121212 HS NK	12.00 x 12.00 x 12.00	305 x 305 x 305	10.00	254	14	3	3
121224 HS	121224 HS NK	12.00 x 12.00 x 24.00	305 x 305 x 610	10.00	254	14	7	7
121236 HS	121236 HS NK	12.00 x 12.00 x 36.00	305 x 305 x 914	10.00	254	14	11	11
121248 HS	121248 HS NK	12.00 x 12.00 x 48.00	305 x 305 x 1219	10.00	254	14	15	15
121260 HS	121260 HS NK	12.00 x 12.00 x 60.00	305 x 305 x 1524	10.00	254	14	19	19
1212120 HS	1212120 HS NK	12.00 x 12.00 x 120.00	305 x 305 x 3048	10.00	254	14	39	39

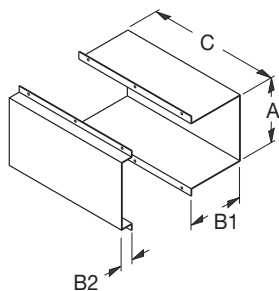


Wireway Section
Lengths from 12.00" (305 mm) to 120.00" (305 mm). Wireway exceeding 72.00" (1829 mm) has two covers. Shown with KO's, also available without.

Knockout sizes:
H = 3/4" or 1/2" conduit
J = 1/4" or 1" conduit

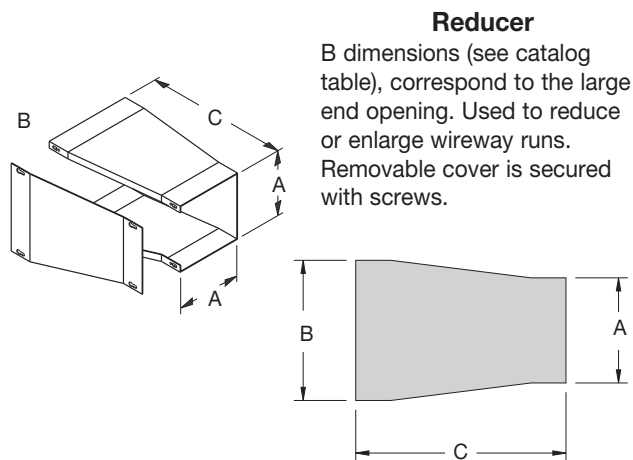
Notes: Additional mounting holes are furnished when C dimension is over 60.00" (1524 mm).
Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Lay-In Wireway Type 1 Quick-Connect Hinge Cover Illustration Sheet and Catalog Number



Telescopic Fitting
Adjustable length up to 10.00" (254 mm). Wraps around the two near joining wireway lengths to achieve a continuous run.

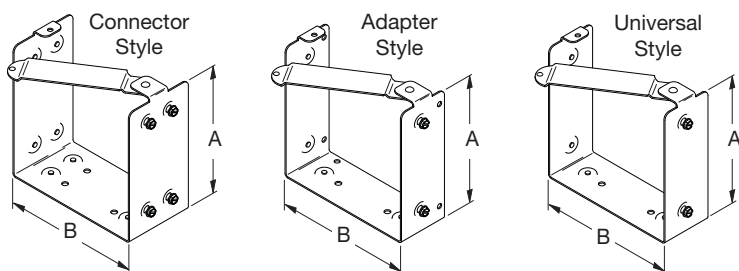
Telescopic Fitting								
Catalog Number	A		B1		B2		C	
	in.	mm	in.	mm	in.	mm	in.	mm
22 FTF	2.75	70	1.75	44	1.12	28	12.00	305
33FTF	3.25	83	2.25	57	1.12	28	12.00	305
44 FTF	4.25	108	3.25	83	1.12	28	12.00	305
66 FTF	6.25	159	5.25	133	1.12	28	12.00	305
88 FTF	8.25	210	7.25	184	1.12	28	12.00	305
1010 FTF	10.25	260	9.25	235	1.12	28	12.00	305
1212 FTF	12.25	311	11.25	286	1.12	28	12.00	305



Reducer
B dimensions (see catalog table), correspond to the large end opening. Used to reduce or enlarge wireway runs. Removable cover is secured with screws.

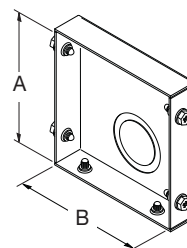
Reducer						
Catalog Number	A		B		C	
	in.	mm	in.	mm	in.	mm
2233 FR *	2.50	63	3.00	76	6.00	152
3344 FR *	3.00	76	4.00	102	8.00	203
4466 FR *	4.00	102	6.00	152	10.00	254
6688 FR *	6.00	152	8.00	203	12.00	305
881010 FR *	8.00	203	10.00	254	12.00	305
10101212 FR *	10.00	254	12.00	305	16.00	406

* Requires use of HSCA Adapter Style Connector.



Connector

Swing gate allows for lay-in of wire and cable.



End
Used to terminate wireway or fitting. Shown with KO, also available without.

Drawing shows screws in place. Screws are actually packaged in plastic bags.

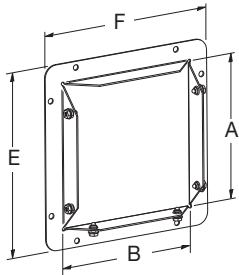
Connector						
Catalog Number			A		B	
Connector Style	Adapter Style	Universal Style	in.	mm	in.	mm
22 HSC	22 HSCA	22 HSCU	2.50	63	2.50	63
44 HSC	44 HSCA	44 HSCU	4.00	102	4.00	102
66 HSC	66 HSCA	66 HSCU	6.00	152	6.00	152
88 HSC	88 HSCA	88 HSCU	8.00	203	8.00	203
1010 HSC	1010 HSCA	1010 HSCU	10.00	254	10.00	254
1212 HSC	1212 HSCA	1212 HSCU	12.00	305	12.00	305

HSC - Standard Quick Connector
HSCA - For adapting to Type 1 Screw Cover Wireway
HSCU - For adapting to competitive Wireway

End							
Catalog Number		A		B		KO	
KO	No KO	in.	mm	in.	mm	in.	mm
22 HSE	22 HSE NK	2.50	63	2.50	63	1.50	38
44 HSE	44 HSE NK	4.00	102	4.00	102	1.50	38
66 HSE	66 HSE NK	6.00	152	6.00	152	1.50	38
88 HSE	88 HSE NK	8.00	203	8.00	203	1.50	38
1010 HSE	1010 HSE NK	10.00	254	10.00	254	3.00	76
1212 HSE	1212 HSE NK	12.00	305	12.00	305	3.00	76

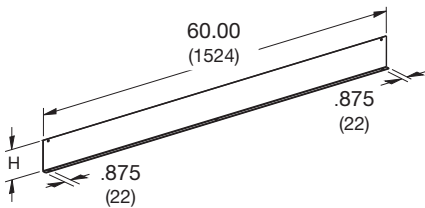
Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Lay-In Wireway Type 1 Quick-Connect Hinge Cover Illustration Sheet and Catalog Number



Wireway End Flange
Allows for a secure connection of wireway to an adjoining enclosure or wall.

Wireway End Flange								
Catalog Number	A		B		E		F	
	in.	mm	in.	mm	in.	mm	in.	mm
22 HSF	2.50	63	2.50	63	4.00	102	4.00	102
44 HSF	4.00	102	4.00	102	5.50	140	5.50	140
66 HSF	6.00	152	6.00	152	7.50	191	7.50	191
88 HSF	8.00	203	8.00	203	9.50	241	9.50	241
1010 HSF	10.00	254	10.00	254	11.50	292	11.50	292
1212 HSF	12.00	305	12.00	305	13.50	343	13.50	343



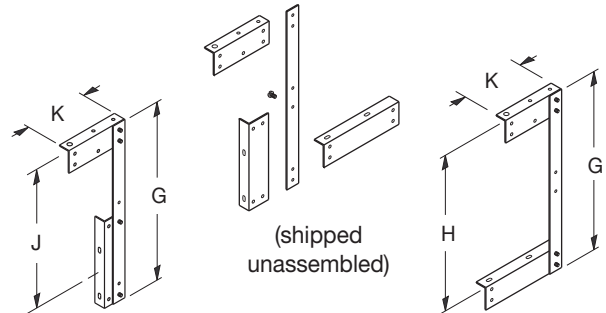
Barrier, Bolt-On

For those installations that require separate wiring compartments.

Barrier Kit, 60" Bolt-On						
Catalog Number	Size		Length		H	
	in.	mm	in.	mm	in.	mm
22-12BK*	2.50 x 2.50	64 x 64	60.00	1524	1.88	48
33-12BK*	3.00 x 3.00	76 x 76	60.00	1524	2.25	57
44-12BK*	4.00 x 4.00	102 x 102	60.00	1524	3.00	76
66-12BK*	6.00 x 6.00	152 x 152	60.00	1524	4.50	114
88-12BK*	8.00 x 8.00	203 x 203	60.00	1524	6.00	152
1010-12BK*	10.00 x 10.00	254 x 254	60.00	1524	8.00	203
1212-12BK*	12.00 x 12.00	305 x 305	60.00	1524	10.50	267

*Not UL or CSA listed fitting.

Wireway Hangers



Side Cover Assembly

For those installations where the wireway cover must be hinged at the side.

Top Cover Assembly

For those installations where the wireway cover must be hinged at the top.

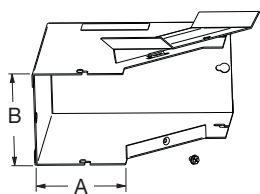
Wireway Hanger								
Catalog Number	G		H		J		K	
	in.	mm	in.	mm	in.	mm	in.	mm
22 FH	8.50	216	8.50	216	6.50	165	2.87	73
44 FH	12.50	318	10.50	267	10.37	263	4.87	121
66 FH	16.50	419	14.50	394	13.50	340	5.87	146
88 FH	20.50	521	18.50	495	16.75	425	6.87	171
1010 FH **	24.50	622	22.50	571	17.25	438	7.87	200
1212 FH **	28.50	724	26.50	673	20.25	514	8.87	225

**Hangers are shipped welded in the top cover assembly position.

Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

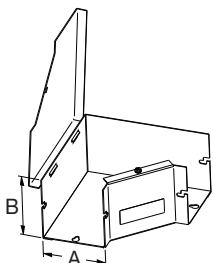
Lay-In Wireway Type 1 Quick-Connect Hinge Cover Illustration Sheet and Catalog Number

Wireway 90° Elbows



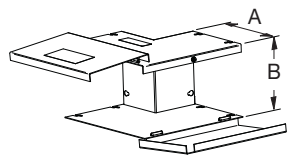
Inside Opening

Specifically designed to have only the inside cover hinge open to allow a continuous run with 90° turns.



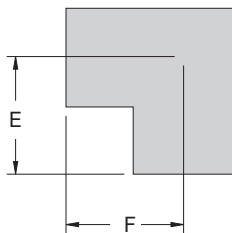
Side Opening

Side cover is hinged to allow a continuous run on designs with 90° sweeping turns.

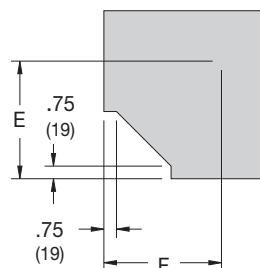


Outside Opening

Specifically designed to have the outside covers hinge open to allow a continuous run with 90° turns.



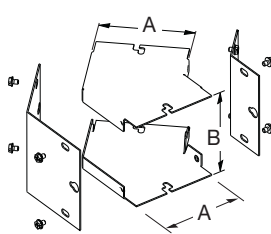
(outside opening)



(inside and side opening)

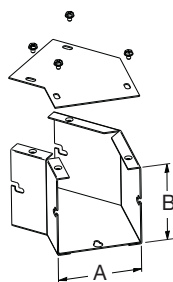
90° Elbow								
Catalog Number	A		B		E		F	
	in.	mm	in.	mm	in.	mm	in.	mm
22 HSL IN	2.50	63	2.50	63	3.31	84	3.31	84
44 HSL IN	4.00	102	4.00	102	4.06	103	4.06	103
66 HSL IN	6.00	152	6.00	152	5.06	128	5.06	128
88 HSL IN	8.00	203	8.00	203	6.06	154	6.06	154
1010 HSL IN	10.00	254	10.00	254	7.06	179	7.06	179
1212 HSL IN	12.00	305	12.00	305	8.06	205	8.06	205
22 HSL OUT	2.50	63	2.50	63	3.38	86	3.38	86
44 HSL OUT	4.00	102	4.00	102	4.09	104	4.09	104
66 HSL OUT	6.00	152	6.00	152	5.09	129	5.09	129
88 HSL OUT	8.00	203	8.00	203	6.09	154	6.09	154
1010 HSL OUT	10.00	254	10.00	254	7.09	180	7.09	180
1212 HSL OUT	12.00	305	12.00	305	8.09	205	8.09	205
22 HSL SIDE	2.50	63	2.50	63	3.50	89	3.50	89
44 HSL SIDE	4.00	102	4.00	102	4.32	110	4.32	110
66 HSL SIDE	6.00	152	6.00	152	5.31	135	5.31	135
88 HSL SIDE	8.00	203	8.00	203	6.31	160	6.31	160
1010 HSL SIDE	10.00	254	10.00	254	7.31	185	7.31	185
1212 HSL SIDE	12.00	305	12.00	305	8.31	211	8.31	211

Wireway 45° Elbows



Combo Opening

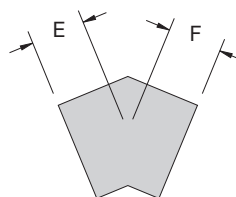
Designed to achieve a 45° turn. Inside and outside removable covers are secured with screws.



Side Opening

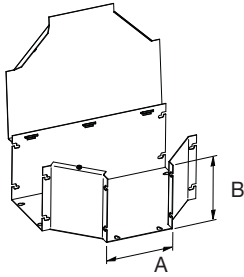
Designed to achieve a 45° turn and have the cover removed from the side. Excellent for combining two to make a gradual 90° sweep.

45° Elbow								
Catalog Number	A		B		E		F	
	in.	mm	in.	mm	in.	mm	in.	mm
2245 HSL COMBO	2.50	63	2.50	63	1.72	43	1.72	43
4445 HSL COMBO	4.00	102	4.00	102	2.75	70	2.75	70
6645 HSL COMBO	6.00	152	6.00	152	3.18	81	3.18	81
8845 HSL COMBO	8.00	203	8.00	203	3.62	92	3.62	92
101045 HSL COMBO	10.00	254	10.00	254	4.06	103	4.06	103
121245 HSL COMBO	12.00	305	12.00	305	4.50	114	4.50	114
2245 HSL SIDE	2.50	63	2.50	63	1.72	43	1.72	43
4445 HSL SIDE	4.00	102	4.00	102	2.75	70	2.75	70
6645 HSL SIDE	6.00	152	6.00	152	3.18	81	3.18	81
8845 HSL SIDE	8.00	203	8.00	203	3.62	92	3.62	92
101045 HSL SIDE	10.00	254	10.00	254	4.06	103	4.06	103
121245 HSL SIDE	12.00	305	12.00	254	4.50	114	4.50	114



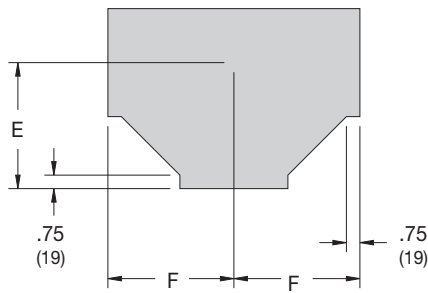
Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Lay-In Wireway Type 1 Quick-Connect Hinge Cover Illustration Sheet and Catalog Number

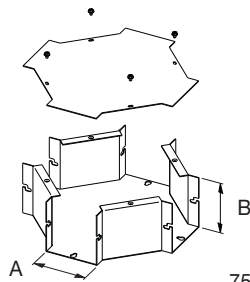


Tee

Side hinge cover design for applications where a "T" junction is necessary.

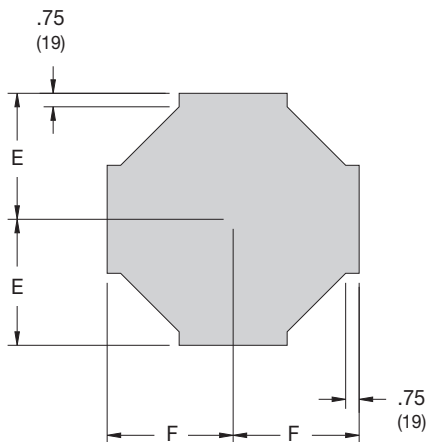


Catalog Number	A		B		E		F	
	in.	mm	in.	mm	in.	mm	in.	mm
22 HST	2.50	63	2.50	63	5.38	136	4.25	198
44 HST	4.00	102	4.00	102	6.15	156	6.12	155
66 HST	6.00	152	6.00	152	7.15	181	7.12	181
88 HST	8.00	203	8.00	203	8.15	207	8.12	206
1010 HST	10.00	254	10.00	254	9.15	232	9.12	231
1212 HST	12.00	305	12.00	305	10.15	258	10.12	257



Cross

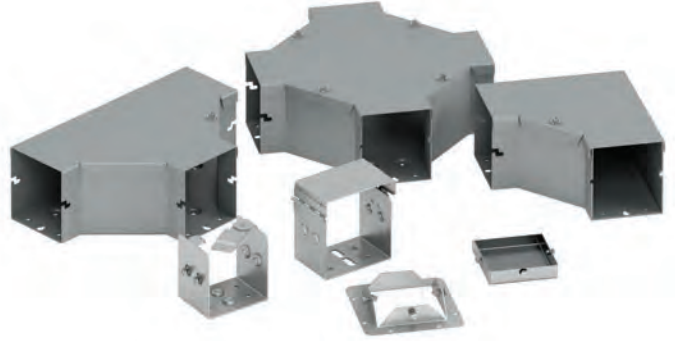
Side cover and broad body design to junction cable run in four directions. Removable cover is secured with screws.



Catalog Number	A		B		E		F	
	in.	mm	in.	mm	in.	mm	in.	mm
22 HSX	2.50	63	2.50	63	5.97	151	5.97	151
44 HSX	4.00	102	4.00	102	6.75	171	6.75	171
66 HSX	6.00	152	6.00	152	7.75	197	7.75	197
88 HSX	8.00	203	8.00	203	8.75	222	8.75	222
1010 HSX	10.00	254	10.00	254	9.75	247	9.75	247
1212 HSX	12.00	305	12.00	305	10.75	273	10.75	273

Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Lay-In Wireway Type 3R EnviroShield™ Data Sheet



Install inside connector in wireway ends and tighten



Install and secure hinged covers



Install outside connector around wireway splice location



Latch shut (padlock can be installed if desired)

Application

- Houses runs of power, control and communication cable
- Used for cable and wire junction, distribution and termination

Standards

- UL 870 listed, Type 3R
- CSA C22.2 No. 26 certified, Type 3R
- Conforms to NEMA standard for Type 3R

Material & Finish

- Galvanealed steel with ANSI 61 gray acrylic electrocoat finish and zinc plated hardware
- Aluminum with stainless steel hardware

Accessories

- Sealing devices
- Touch-up paint
- See Accessories section

Protected by U.S. Patents 7,525,044 & 7,762,042

Construction

- Wireway body and cover are fabricated from code gauge steel, or brushed aluminum (see page 22)
- Wireway body has embossed mounting holes on the back
- Cover is secured to the body with gasketed retaining screw
- Variety of fittings allow runs which can change directions, size, junction and terminate, as well as, expansion and contraction
- Wireway connectors (sold separately) have a gate feature which can swing completely open allowing for lay-in of wire and cable
- Wireway connectors have a locking feature for optional pad-locking
- Removable hinge cover construction
- Z-slots for quick-connect connection method
- Wireways 120" (3048mm) in length have two overlapping covers

Discount Schedule: A2

Subclass: RHS

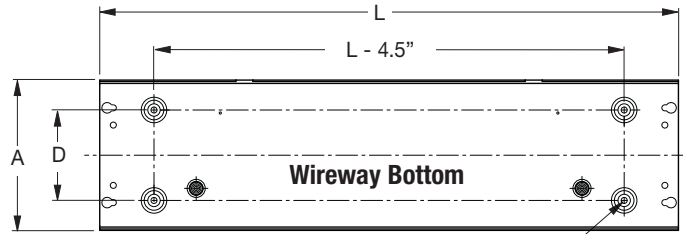
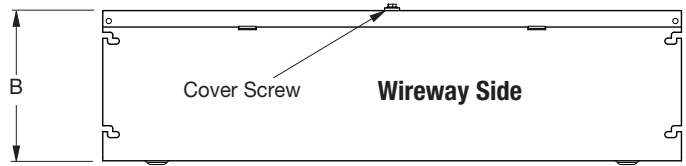
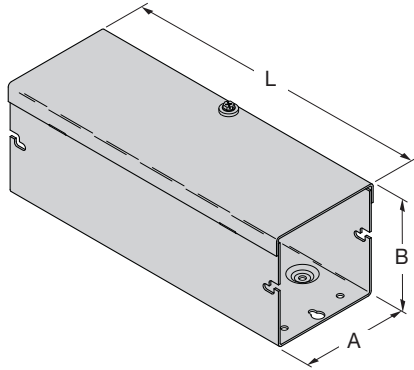
Notes: Cooper B-Line can provide special sizes, finishes and other modifications. Consult the factory for your special requirements.

Cable & Wire Management

Lay-In Wireway Type 3R EnviroShield™ Illustration Sheet and Catalog Number

Wireway Section

Lengths from 12.00" to 120.00".
Wireway exceeding 72.00" has two covers.



Mounting Embossment
with .25" Dia. Hole (4)

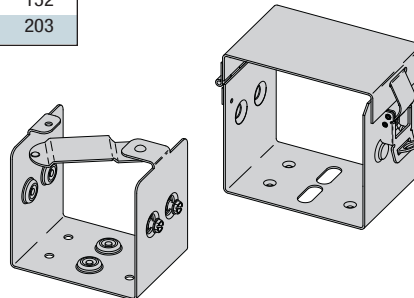
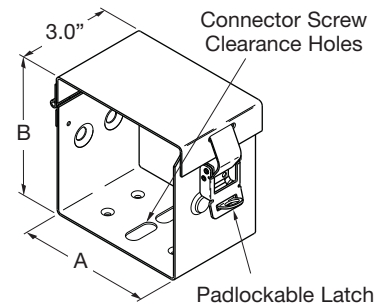
Wireway Catalog Number		Wireway Size		Mounting Hole Spacing		Material Thickness			
Steel	Aluminum	Height x Depth x Length		D		Steel		Aluminum	
		A x B x C				Gauge	mm	In.	mm
		in.	mm	in.	mm				
4412-3RHS NK	4412-3RAHS NK	4.00 x 4.00 x 12.00	101 x 101 x 305	2.25	57.1	16	1.52	0.080	2.03
4460-3RHS NK	4460-3RAHS NK	4.00 x 4.00 x 60.00	101 x 101 x 1524	2.25	57.1	16	1.52	0.080	2.03
44120-3RHS NK	44120-3RAHS NK	4.00 x 4.00 x 120.00	101 x 101 x 3048	2.25	57.1	16	1.52	0.080	2.03
6612-3RHS NK	6612-3RAHS NK	6.00 x 6.00 x 12.00	152 x 152 x 305	3.75	95.2	16	1.52	0.080	2.03
6660-3RHS NK	6660-3RAHS NK	6.00 x 6.00 x 60.00	152 x 152 x 1524	3.75	95.2	16	1.52	0.080	2.03
66120-3RHS NK	66120-3RAHS NK	6.00 x 6.00 x 120.00	152 x 152 x 3048	3.75	95.2	16	1.52	0.080	2.03
8812-3RHS NK	8812-3RAHS NK	8.00 x 8.00 x 12.00	203 x 203 x 305	5.75	146.0	16	1.52	0.080	2.03
8860-3RHS NK	8860-3RAHS NK	8.00 x 8.00 x 60.00	203 x 203 x 1524	5.75	146.0	16	1.52	0.080	2.03
88120-3RHS NK	88120-3RAHS NK	8.00 x 8.00 x 120.00	203 x 203 x 3048	5.75	146.0	16	1.52	0.080	2.03

NK = No Knockouts

Wireway Connectors

Swing gate allows for lay-in installation of wire and cable.
Wrap-around connector provides Type 3R rating and padlocking provision.

Connector Catalog Number		A		B	
Steel	Aluminum	in.	mm	in.	mm
44-3RHSC	44-3RAHSC	4.00	101	4.00	101
66-3RHSC	66-3RAHSC	6.00	152	6.00	152
88-3RHSC	88-3RAHSC	8.00	203	8.00	203

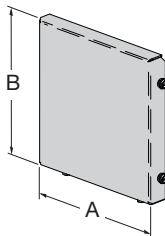


Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Lay-In Wireway Type 3R EnviroShield™ Illustration Sheet and Catalog Number

Wireway End

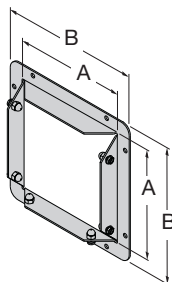
Used to terminate wireway or fitting.



Wireway End Catalog Number		A		B	
Steel	Aluminum	in.	mm	in.	mm
44-3RHSE NK	44-3RAHSE NK	4.00	101	4.00	101
66-3RHSE NK	66-3RAHSE NK	6.00	152	6.00	152
88-3RHSE NK	88-3RAHSE NK	8.00	203	8.00	203

Wireway End Flange

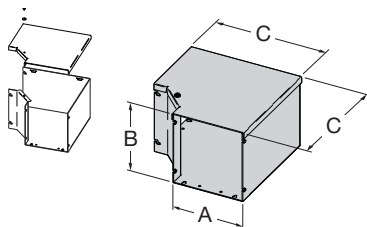
Allows for a secure connection of wireway or fitting to an adjoining enclosure or wall.



Wireway End Flange Catalog Number		A		B	
Steel	Aluminum	in.	mm	in.	mm
44-3RHSE NK	44-3RAHSE NK	4.00	101	4.00	101
66-3RHSE NK	66-3RAHSE NK	6.00	152	6.00	152
88-3RHSE NK	88-3RAHSE NK	8.00	203	8.00	203

Wireway 90° Elbow

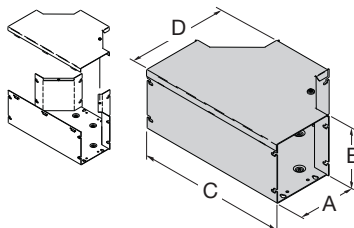
Side opening hinge cover design for applications where 90° turn is necessary.



Wireway 90° Elbow Catalog Number		A		B		C	
Steel	Aluminum	in.	mm	in.	mm		
44-3RHSL SIDE	44-3RAHSL SIDE	4.00	101	4.00	101	8.84	224
66-3RHSL SIDE	66-3RAHSL SIDE	6.00	152	6.00	152	10.84	275
88-3RHSL SIDE	88-3RAHSL SIDE	8.00	203	8.00	203	12.84	326

Wireway Tee

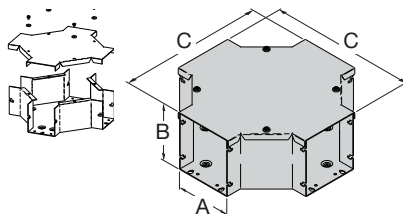
Side opening hinge cover design for applications where a tee junction is necessary.



Wireway Tee Catalog Number		A		B		C		D	
Steel	Aluminum	in.	mm	in.	mm				
44-3RHST	44-3RAHST	4.00	101	4.00	101	13.84	351	9.04	229
66-3RHST	66-3RAHST	6.00	152	6.00	152	15.84	402	11.04	280
88-3RHST	88-3RAHST	8.00	203	8.00	203	17.84	453	13.04	331

Wireway Cross

Side opening cover design for applications where a cross junction is necessary.



Wireway Cross Catalog Number		A		B		C	
Steel	Aluminum	in.	mm	in.	mm		
44-3RSCX	44-3RASCX	4.00	101	4.00	101	13.84	351
66-3RSCX	66-3RASCX	6.00	152	6.00	152	15.84	402
88-3RSCX	88-3RASCX	8.00	203	8.00	203	17.84	453

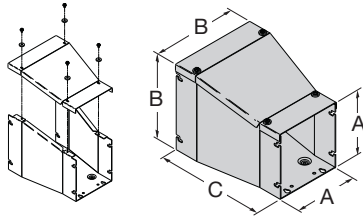
Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Cable & Wire Management

Lay-In Wireway Type 3R EnviroShield™ Illustration Sheet and Catalog Number

Wireway Reducer

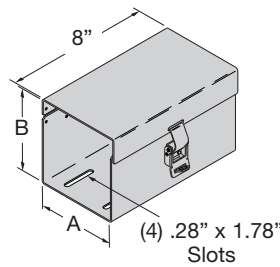
Screw opening cover design for applications where a change in wireway cross-section (height x width) is necessary.



Wireway Reducer Catalog Number		A		B		C	
Steel	Aluminum	in.	mm	in.	mm		
4466-3RSCR	4466-3RASC	4.00	101	6.00	152	10.00	254
4488-3RSCR	4488-3RASC	4.00	101	8.00	203	10.00	254
6688-3RSCR	6688-3RASC	6.00	152	8.00	203	10.00	254

Wireway Expansion Fitting

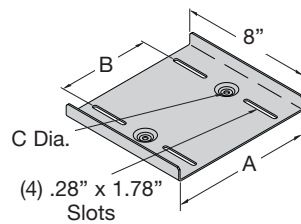
Side opening hinge cover design for applications where expansion and contraction are a concern. Wrap-around sleeve provides Type 3R rating and optional pad-locking tab.



Wireway Expansion Fitting Catalog Number		A		B	
Steel	Aluminum	in.	mm	in.	mm
44-3RHSXJ	44-3RAHSXJ	4.00	101	4.00	101
66-3RHSXJ	66-3RAHSXJ	6.00	152	6.00	152
88-3RHSXJ	88-3RAHSXJ	8.00	203	8.00	203

Expansion Support Fitting

Designed for applications where expansion and contraction are a concern. One expansion support is required at each support location. Slots allow single axis expansion and contraction movement.



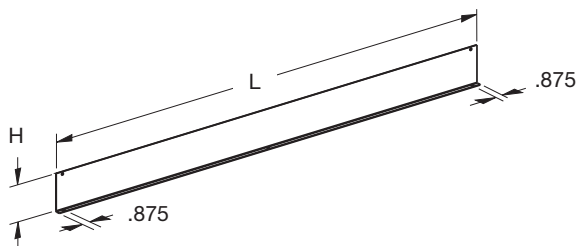
Expansion Support Catalog Number		A Inside Dim.		B		C	
Steel	Aluminum	in.	mm	in.	mm		
44-3RHXS	44-3RHASXS	4.562	116	2.50	63.5	.25	6.3
66-3RHXS	66-3RHASXS	6.562	166	3.75	95.2	.25	6.3
88-3RHXS	88-3RHASXS	8.620	219	5.75	146.0	.25	6.3

Bolt-On Barrier

For installations that require separated wiring compartments. An ideal solution for separating power from communication cables.

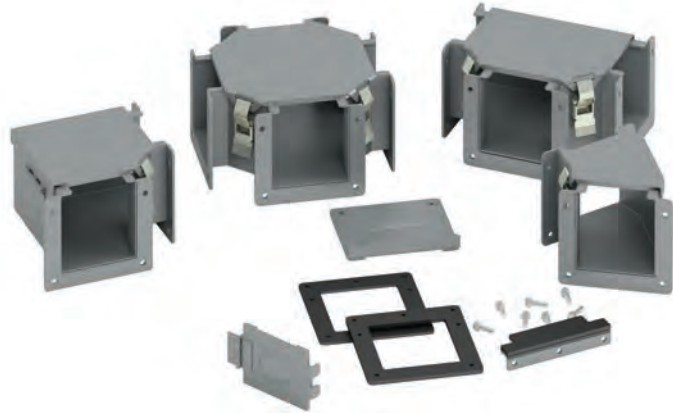
* Not UL or CSA listed fitting

Wireway Catalog Number		Wireway Size Height x Depth		Length		Height	
Steel	Aluminum	A x B		L		H	
		in.	mm	in.	mm	Gauge	mm
44-12BK*	44-3RBKA*	4.00 x 4.00	101 x 101	60.00	1524	3.00	76.2
66-12BK*	66-3RBKA*	6.00 x 6.00	152 x 152	60.00	1524	4.50	114.3
88-12BK*	88-3RBKA*	8.00 x 8.00	203 x 203	60.00	1524	6.00	152.4



Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Lay-In Wireway Type 12 Data Sheet



Application

- Houses runs of control and power cable
- Protects against circulating dust, falling dirt and dripping noncorrosive liquids

Standards

- UL 870 listed, unless noted (see table)
- CSA C22.2 No. 26 certified, unless noted (see table)
- Conforms to NEMA standard for Type 12
- Conforms to JIC standard EGP-1-1967

Finish

- Wash and phosphate undercoat
- ANSI 61 gray polyester powder finish
- Hardware and latches are zinc plated

Accessories

- Touch-up paint
- See Accessories section

Construction

- Wireway body and cover are fabricated from (14) gauge steel
- Flanges are (10) gauge steel
- All continuous welded seams are finished smooth
- External and internal edges are rounded to prevent injury or damage to cable
- Covers are secured to the wireway and fitting body with heavy duty butt hinges and quick-release latches
- Covers have a fixed, oil-resistant gasket
- An oil-resistant gasket is provided for installation between flanges
- All covers and sealing plates can be hinged completely open or removed to allow for continuous lay-in cable feed
- All straight sections and fittings are furnished with sealing plate kits (see pages 26-30)

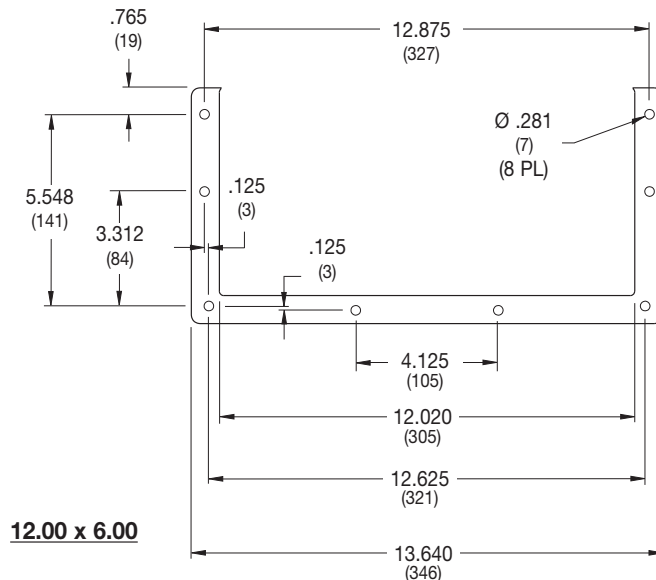
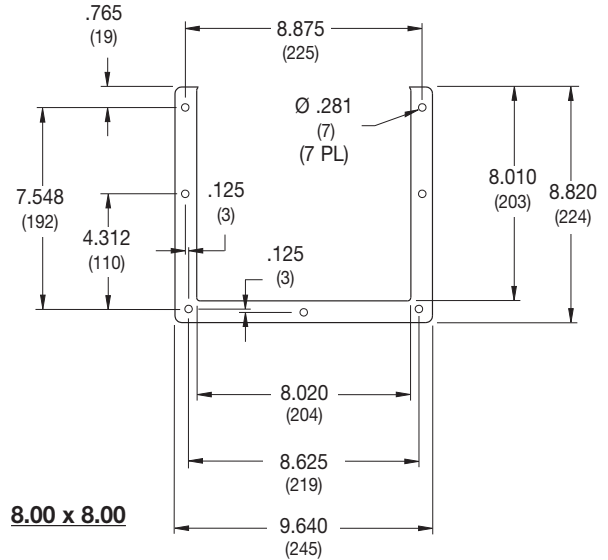
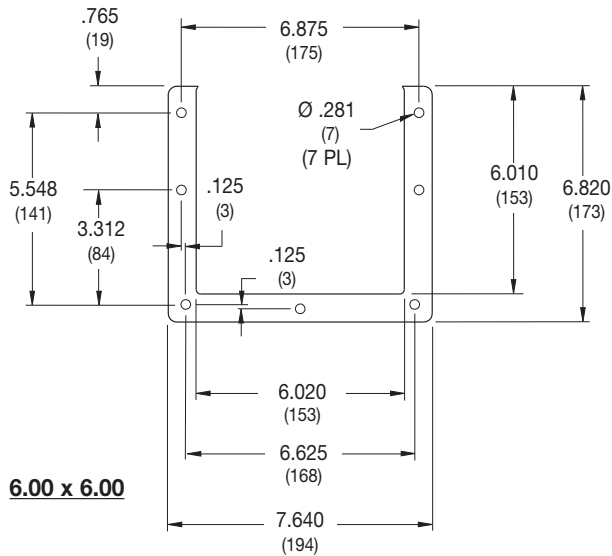
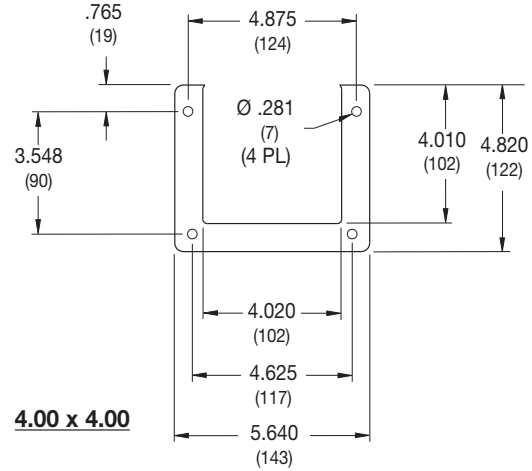
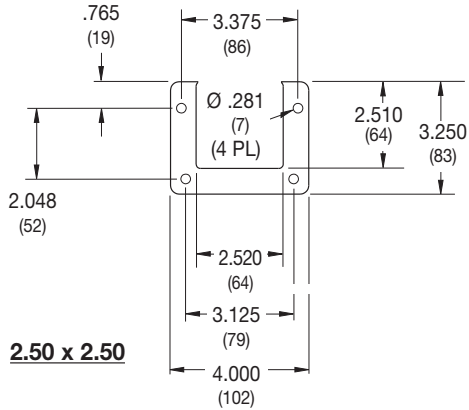
Discount Schedule: C2

Subclass: D90

Notes: Cooper B-Line can provide special sizes, finishes and other modifications. Consult the factory for your special requirements.

Cable & Wire Management

Lay-In Wireway Type 12 Illustration Sheet

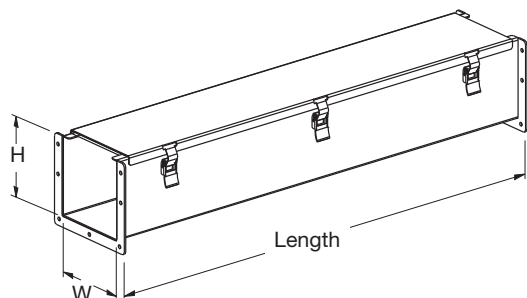


Flange Details

Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Lay-In Wireway Type 12

Illustration Sheet and Catalog Number



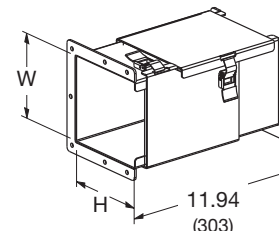
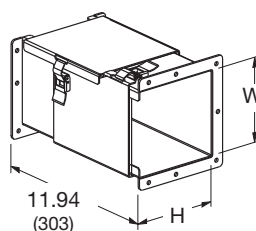
Straight Section

- includes (1) sealing plate kit

Catalog Number	Size	H		W	
		in.	mm	in.	mm
22(*)-12LW	2.5 x 2.5	2.50	64	2.50	64
44(*)-12LW	4 x 4	4.00	102	4.00	102
66(*)-12LW	6 x 6	6.00	152	6.00	152
88(*)-12LW	8 x 8	8.00	203	8.00	203
126(*)-12LW	12 x 6	6.00	152	12.00	305

(*) Insert for length **04** = 4", **06** = 6", **12** = 12", **24** = 24", **36** = 36", **48** = 48", **60** = 60", **120** = 120".

For	Actual Length	
	in.	mm
4	3.94	100
6	5.94	151
12	11.94	303
24	23.94	608
36	35.94	913
48	47.94	1218
60	59.94	1522
120	119.94	3046



Transposition Wireway Sections

Clockwise (C)

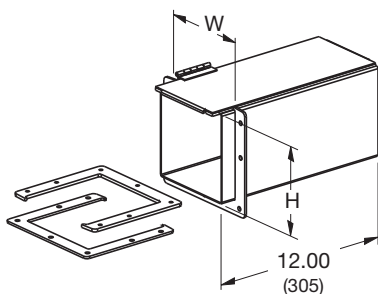
- includes (1) sealing plate kit

Counterclockwise (CC)

- includes (1) sealing plate kit

Catalog Number	Size	H		W	
		in.	mm	in.	mm
22-12LTS(*)	2.5 x 2.5	2.50	64	2.50	64
44-12LTS(*)	4 x 4	4.00	102	4.00	102
66-12LTS(*)	6 x 6	6.00	152	6.00	152
88-12LTS(*)	8 x 8	8.00	203	8.00	203

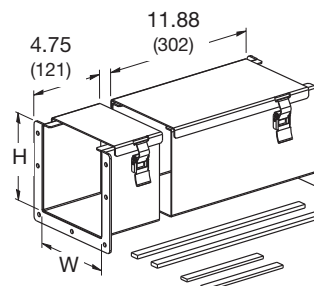
(*) Insert **C** for Clockwise
Insert **CC** for Counterclockwise



Telescopic Fitting, Lay-In

- adjustable length from 1" to 7"
- includes hardware
- no cutting or welding required

Catalog Number	Size	H		W	
		in.	mm	in.	mm
22-12LTF	2.5 x 2.5	2.32	59	2.32	59
44-12LTF	4 x 4	3.82	97	3.82	97
66-12LTF	6 x 6	5.82	148	5.82	148
88-12LTF	8 x 8	7.82	199	7.82	199
126-12LTF	12 x 6	5.82	148	11.82	300



Cut-Off Fitting, Lay-In

- includes (1) sealing plate kit
- shorten body and cover to desired length and weld together, 9.50" minimum length

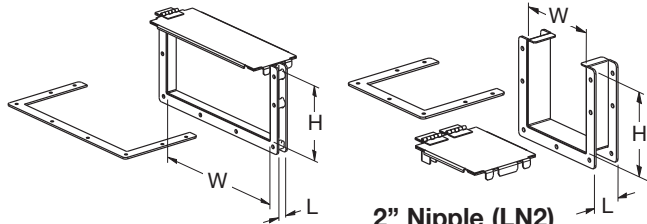
Catalog Number	Size	H		W	
		in.	mm	in.	mm
22-12LCF	2.5 x 2.5	2.50	64	2.50	64
44-12LCF	4 x 4	4.00	102	4.00	102
66-12LCF	6 x 6	6.00	152	6.00	152
88-12LCF	8 x 8	8.00	203	8.00	203
126-12LCF	12 x 6	6.00	152	12.00	305

Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Cable & Wire Management

Lay-In Wireway Type 12

Illustration Sheet and Catalog Number



1" Nipple (LN1)

• includes hardware

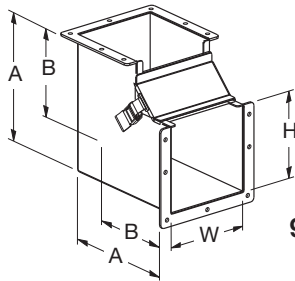
2" Nipple (LN2)

3" Nipple (LN3)

• includes hardware

Catalog Number	Size	H		W	
		in.	mm	in.	mm
22-12LN(*)	2.5 x 2.5	2.50	64	2.50	64
44-12LN(*)	4 x 4	4.00	102	4.00	102
66-12LN(*)	6 x 6	6.00	152	6.00	152
88-12LN(*)	8 x 8	8.00	203	8.00	203
126-12LN(*)	12 x 6	6.00	152	12.00	305

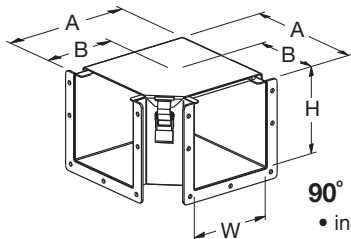
(*) Insert 1 for 1" nipple (L=.938")
 Insert 2 for 2" nipple (L=1.938")
 Insert 3 for 3" nipple (L=2.938")



90° Elbow, Inside Opening

• includes (1) sealing plate kit

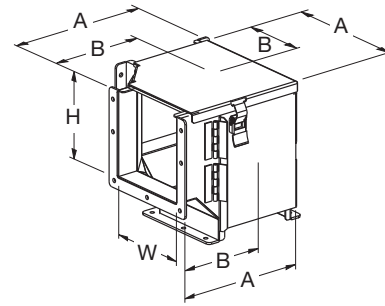
Catalog Number	Size	H		W		A		B	
		in.	mm	in.	mm	in.	mm	in.	mm
22-12LE9B	2.5 x 2.5	2.50	64	2.50	64	5.94	151	4.69	119
44-12LE9B	4 x 4	4.00	102	4.00	102	7.44	189	5.44	138
66-12LE9B	6 x 6	6.00	152	6.00	152	9.44	240	6.44	164
88-12LE9B	8 x 8	8.00	203	8.00	203	11.44	291	7.44	189
126-12LE9B	12 x 6	6.00	152	12.00	305	9.44	240	6.44	164



90° Elbow, Top Opening

• includes (1) sealing plate kit

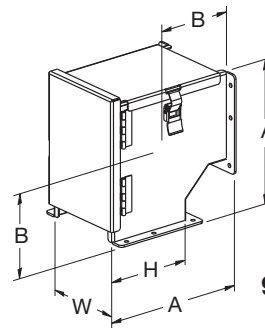
Catalog Number	Size	H		W		A		B	
		in.	mm	in.	mm	in.	mm	in.	mm
22-12LE9A	2.5 x 2.5	2.50	64	2.50	64	5.25	133	4.00	102
44-12LE9A	4 x 4	4.00	102	4.00	102	6.75	171	4.75	121
66-12LE9A	6 x 6	6.00	152	6.00	152	8.75	222	5.75	146
88-12LE9A	8 x 8	8.00	203	8.00	203	10.75	273	6.75	171
126-12LE9A	12 x 6	6.00	152	12.00	305	14.75	375	8.75	222



90° Elbow, Outside-Top Opening

• includes (2) sealing plate kits

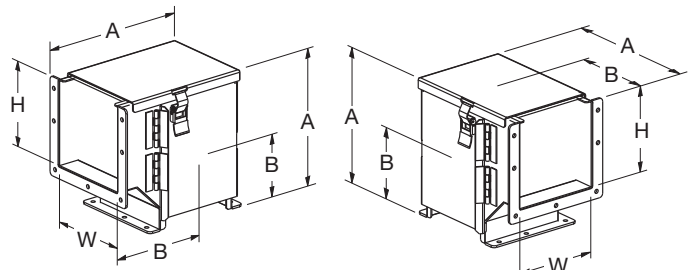
Catalog Number	Size	H		W		A		B	
		in.	mm	in.	mm	in.	mm	in.	mm
22-12LE9AC	2.5 x 2.5	2.50	64	2.50	64	5.94	151	4.69	119
44-12LE9AC	4 x 4	4.00	102	4.00	102	7.44	189	5.44	138
66-12LE9AC	6 x 6	6.00	152	6.00	152	9.44	240	6.44	164
88-12LE9AC	8 x 8	8.00	203	8.00	203	11.44	291	7.44	189



90° Elbow, Outside Opening

• includes (1) sealing plate kit

Catalog Number	Size	H		W		A		B	
		in.	mm	in.	mm	in.	mm	in.	mm
22-12LE9C	2.5 x 2.5	2.50	64	2.50	64	5.94	151	4.69	119
44-12LE9C	4 x 4	4.00	102	4.00	102	7.44	189	5.44	138
66-12LE9C	6 x 6	6.00	152	6.00	152	9.44	240	6.44	164
88-12LE9C	8 x 8	8.00	203	8.00	203	11.44	291	7.44	189
126-12LE9C	12 x 6	6.00	152	12.00	305	9.44	240	6.44	164



90° Transposition Elbows

Clockwise (C)

• includes (1) sealing plate kit

Counterclockwise (CC)

• includes (1) sealing plate kit

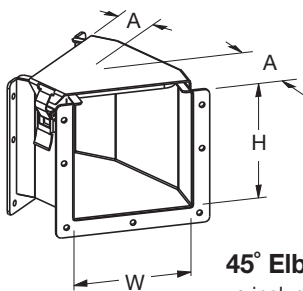
Catalog Number	Size	H		W		A		B	
		in.	mm	in.	mm	in.	mm	in.	mm
22-12LE9T(*)	2.5 x 2.5	2.50	64	2.50	64	5.94	151	4.69	119
44-12LE9T(*)	4 x 4	4.00	102	4.00	102	7.44	189	5.44	138
66-12LE9T(*)	6 x 6	6.00	152	6.00	152	9.44	240	6.44	164
88-12LE9T(*)	8 x 8	8.00	203	8.00	203	11.44	291	7.44	189

(*) Insert C for Clockwise, Insert CC for Counterclockwise

Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

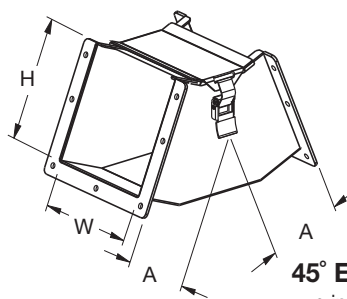
Lay-In Wireway Type 12

Illustration Sheet and Catalog Number



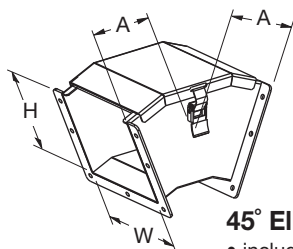
45° Elbow, Top Opening
• includes (1) sealing plate kit

Catalog Number	Size	H		W		A	
		in.	mm	in.	mm	in.	mm
22-12LE45A	2.5 x 2.5	2.50	64	2.50	64	3.12	79
44-12LE45A	4 x 4	4.00	102	4.00	102	3.70	94
66-12LE45A	6 x 6	6.00	152	6.00	152	4.46	113
88-12LE45A	8 x 8	8.00	203	8.00	203	5.23	133
126-12LE45A	12 x 6	6.00	152	12.00	305	6.76	172



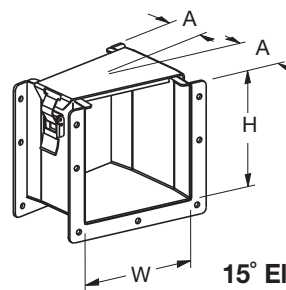
45° Elbow, Inside Opening
• includes (1) sealing plate kit

Catalog Number	Size	H		W		A	
		in.	mm	in.	mm	in.	mm
22-12LE45B	2.5 x 2.5	2.50	64	2.50	64	3.70	94
44-12LE45B	4 x 4	4.00	102	4.00	102	4.28	109
66-12LE45B	6 x 6	6.00	152	6.00	152	5.04	128
88-12LE45B	8 x 8	8.00	203	8.00	203	5.81	148
126-12LE45B	12 x 6	6.00	152	12.00	305	5.04	128



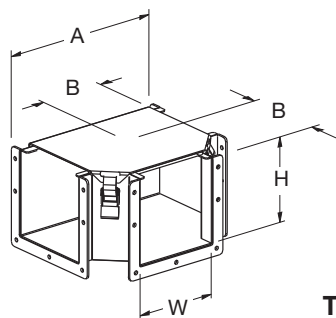
45° Elbow, Outside Opening
• includes (1) sealing plate kit

Catalog Number	Size	H		W		A	
		in.	mm	in.	mm	in.	mm
22-12LE45C	2.5 x 2.5	2.50	64	2.50	64	2.65	67
44-12LE45C	4 x 4	4.00	102	4.00	102	3.51	89
66-12LE45C	6 x 6	6.00	152	6.00	152	3.91	99
88-12LE45C	8 x 8	8.00	203	8.00	203	4.24	108
126-12LE45C	12 x 6	6.00	152	12.00	305	3.91	89



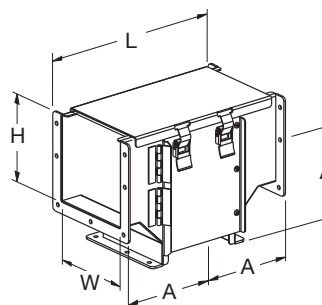
15° Elbow, Top Opening
• includes (1) sealing plate kit

Catalog Number	Size	H		W		A	
		in.	mm	in.	mm	in.	mm
22-12LE15A	2.5 x 2.5	2.50	64	2.50	64	2.57	65
44-12LE15A	4 x 4	4.00	102	4.00	102	2.77	70
66-12LE15A	6 x 6	6.00	152	6.00	152	3.03	77
88-12LE15A	8 x 8	8.00	203	8.00	203	3.29	84
126-12LE15A	12 x 6	6.00	152	12.00	305	3.81	97



Tee, Top Opening
• includes (2) sealing plate kits

Catalog Number	Size	H		W		A		B	
		in.	mm	in.	mm	in.	mm	in.	mm
22-12LTA	2.5 x 2.5	2.50	64	2.50	64	8.00	203	4.00	102
44-12LTA	4 x 4	4.00	102	4.00	102	9.50	241	4.75	121
66-12LTA	6 x 6	6.00	152	6.00	152	11.50	292	5.75	146
88-12LTA	8 x 8	8.00	203	8.00	203	13.50	343	6.75	171
126-12LTA	12 x 6	6.00	152	12.00	305	17.50	445	8.75	222



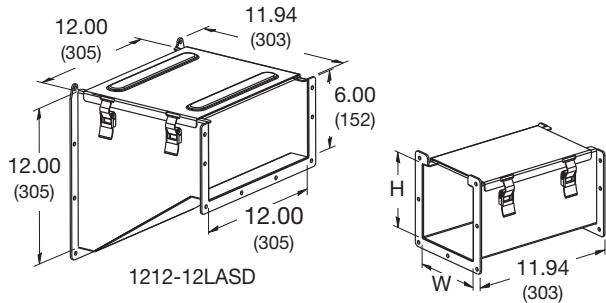
Tee, Outside Opening
• includes (2) sealing plate kits

Catalog Number	Size	H		W		A		L	
		in.	mm	in.	mm	in.	mm	in.	mm
22-12LTC	2.5 x 2.5	2.50	64	2.50	64	4.69	119	9.38	238
44-12LTC	4 x 4	4.00	102	4.00	102	5.44	138	10.88	264
66-12LTC	6 x 6	6.00	152	6.00	152	6.44	164	12.88	314
88-12LTC	8 x 8	8.00	203	8.00	203	7.44	189	14.88	365

Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Lay-In Wireway Type 12

Illustration Sheet and Catalog Number

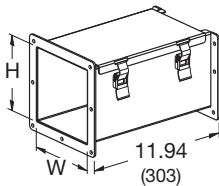


Adapters

- includes (2) sealing plate kits

Catalog Number	Size	Competitor	H		W	
			in.	mm	in.	mm
22-12LAHW	2.5 x 2.5	Hoffman ^{®†} or Wiegmann ^{®†}	2.50	64	2.50	64
44-12LAHW	4 x 4		4.00	102	4.00	102
66-12LAHW	6 x 6		6.00	152	6.00	152
88-12LAHW	8 x 8		8.00	203	8.00	203
126-12LAHW	12 x 6		6.00	152	12.00	305
22-12LASD	2.5 x 2.5	Square D ^{®†}	2.50	64	2.50	64
44-12LASD	4 x 4		4.00	102	4.00	102
66-12LASD	6 x 6		6.00	152	6.00	152
88-12LASD	8 x 8		8.00	203	8.00	203
126-12LASD	12 x 6		6.00	152	12.00	305
22-12LAHM	2.5 x 2.5	Hammond Mfg. ^{™†}	2.50	64	2.50	64
44-12LAHM	4 x 4		4.00	102	4.00	102
66-12LAHM	6 x 6		6.00	152	6.00	152
88-12LAHM	8 x 8		8.00	203	8.00	203
126-12LAHM	12 x 6		6.00	152	12.00	305

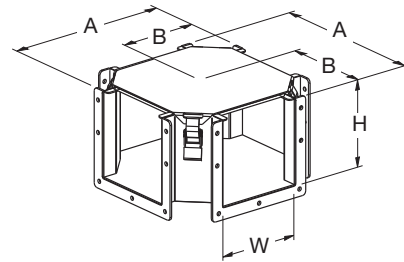
† Marks are the property of their respective owners.



Lay-In to Feed Through Adapter

- includes (1) sealing plate kit and (1) gasket kit

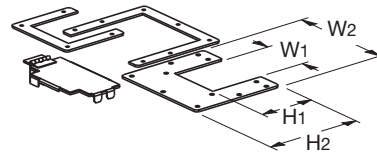
Catalog Number	Size	H		W	
		in.	mm	in.	mm
44-12LAFW	4 x 4	4.00	102	4.00	102
66-12LAFW	6 x 6	6.00	152	6.00	152
88-12LAFW	8 x 8	8.00	203	8.00	203



Cross, Top Opening

- includes (3) sealing plate kits

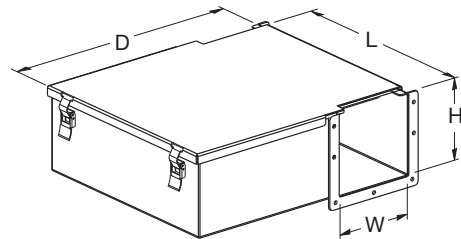
Catalog Number	Size	H		W		A		B	
		in.	mm	in.	mm	in.	mm	in.	mm
22-12LC	2.5 x 2.5	2.50	64	2.50	64	8.00	203	4.00	102
44-12LC	4 x 4	4.00	102	4.00	102	9.50	241	4.75	121
66-12LC	6 x 6	6.00	152	6.00	152	11.50	292	5.75	146
88-12LC	8 x 8	8.00	203	8.00	203	13.50	343	6.75	171
126-12LC	12 x 6	6.00	152	12.00	152	17.50	445	8.75	222



Reducer

- includes hardware

Catalog Number	Size	H1		H2		W1		W2	
		in.	mm	in.	mm	in.	mm	in.	mm
4422-12LR	4 x 4 to 2.5 x 2.5	2.44	62	4.82	122	2.38	60	5.64	143
6644-12LR	6 x 6 to 4 x 4	3.94	100	6.82	173	3.88	99	7.64	194
8866-12LR	8 x 8 to 6 x 6	5.94	151	8.82	224	5.88	149	9.64	245
12644-12LR	12 x 6 to 4 x 4	3.94	100	6.82	173	3.88	99	13.64	346
12666-12LR	12 x 6 to 6 x 6	5.94	151	6.82	173	5.88	149	13.64	346



Junction Box

- includes (1) junction box sealing plate kit and (1) of the following removable panels:

22-12LJB = AW108P

44-12LJB = AW1210P

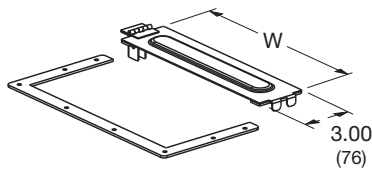
66-12LJB = AW1412P

88-12LJB = AW1614P

Catalog Number	Size	H		W		L		D	
		in.	mm	in.	mm	in.	mm	in.	mm
22-12LJB	2.5 x 2.5	2.50	64	2.50	64	11.59	294	10.25	260
44-12LJB	4 x 4	4.00	102	4.00	102	13.59	345	14.00	356
66-12LJB	6 x 6	6.00	152	6.00	152	15.59	396	18.00	457
88-12LJB	8 x 8	8.00	203	8.00	203	17.59	447	22.00	559

Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

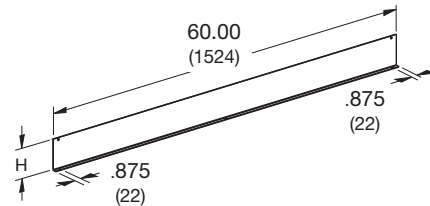
Lay-In Wireway Type 12 Illustration Sheet and Catalog Number



Sealing Plate, Flat

- includes hardware

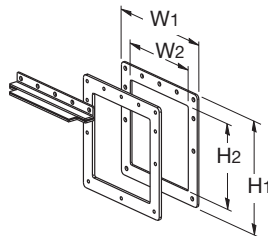
Catalog Number	Size	W	
		in.	mm
22-12LSP	2.5 x 2.5	2.50	64
44-12LSP	4 x 4	4.00	102
66-12LSP	6 x 6	6.00	152
88-12LSP	8 x 8	8.00	203
126-12LSP	12 x 6	12.00	305



Barrier, Bolt-On

- includes hardware

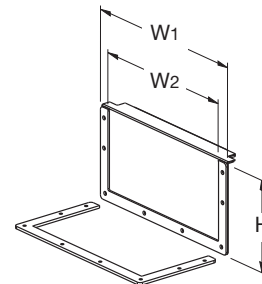
Catalog Number	Size	H	
		in.	mm
22-12BK	2.5 x 2.5	1.88	48
44-12BK	4 x 4	3.00	76
66-12BK	6 x 6	4.50	114
88-12BK	8 x 8	6.00	152
66-12BK	12 x 6	4.50	114



Box Connector

- includes hardware

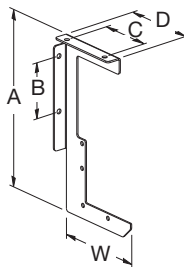
Catalog Number	Size	H1		H2		W1		W2	
		in.	mm	in.	mm	in.	mm	in.	mm
22-12LBC	2.5 x 2.5	4.10	104	2.35	60	4.10	104	2.35	60
44-12LBC	4 x 4	5.74	146	3.85	72	5.74	146	3.85	72
66-12LBC	6 x 6	7.74	197	5.85	123	7.74	197	5.85	123
88-12LBC	8 x 8	9.74	247	7.85	174	9.74	247	7.85	174
126-12LBC	12 x 6	7.74	197	5.85	123	13.74	197	11.85	301



Closure Plate

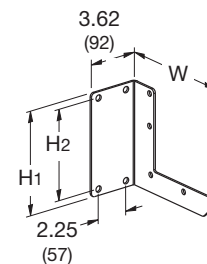
- includes hardware

Catalog Number	Size	H		W1		W2	
		in.	mm	in.	mm	in.	mm
22-12LCP	2.5 x 2.5	2.50	64	4.00	102	2.50	64
44-12LCP	4 x 4	4.00	102	5.64	143	4.00	102
66-12LCP	6 x 6	6.00	152	7.64	194	6.00	152
88-12LCP	8 x 8	8.00	203	9.64	245	8.00	203
126-12LCP	12 x 6	6.00	152	13.64	346	12.00	305



Drop

Catalog Number	Size	W		A		B		C		D	
		in.	mm	in.	mm	in.	mm	in.	mm	in.	mm
22-12LDH	2.5 x 2.5	4.50	114	8.75	222	1.50	38	1.50	38	3.50	89
44-12LDH	4 x 4	6.00	152	11.75	298	3.00	76	3.00	76	5.00	127
66-12LDH	6 x 6	8.50	216	16.00	406	5.00	127	5.00	127	7.00	178
88-12LDH	8 x 8	10.50	267	20.00	508	7.00	178	7.00	178	9.00	229



Bracket

Catalog Number	Size	H1		H2		W	
		in.	mm	in.	mm	in.	mm
22-12LBH	2.5 x 2.5	3.38	86	2.50	64	4.38	111
44-12LBH	4 x 4	4.88	124	4.00	102	5.88	149
66-12LBH	6 x 6	7.13	181	6.25	159	8.13	207
88-12LBH	8 x 8	9.13	232	8.25	210	10.13	257

- Wireway Hangers**
- includes wireway to bracket mounting hardware
 - anchors not included

Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Feed-Through Wireway Type 12 Data Sheet



Application

- Houses runs of control and power cable
- Protects against circulating dust, falling dirt and dripping noncorrosive liquids

Standards

- UL 870 listed, unless noted, (see table)
- CSA C22.2 No. 26 certified, unless noted, (see table)
- Conforms to NEMA standard for Type 12
- Conforms to JIC standard EGP-1-1967

Finish

- Wash and phosphate undercoat
- ANSI 61 gray polyester powder finish
- Hardware and latches are zinc plated

Accessories

- Touch-up paint
- See Accessories section

Construction

- Wireway body and cover are fabricated from (14) gauge steel
- Flanges are (10) gauge steel
- All continuous welded seams are finished smooth
- External and internal edges are rounded to prevent injury or damage to cable
- Covers are secured to the wireway body with heavy-duty hinges on one side and easy-to-operate screw clamps mounted to the opposite side
- Continuous flanged ends assure rigid connections of wireway and fittings
- Covers have a seamless poured in-place gasket
- An oil-resistant gasket is provided for installation between flanges

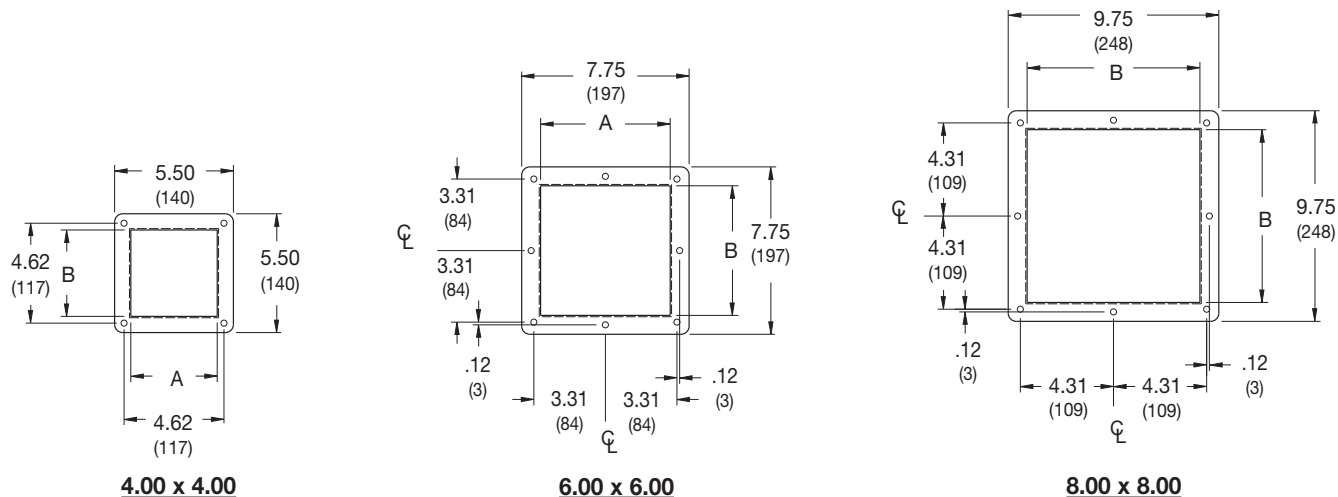
Discount Schedule: C2

Subclass: DAO

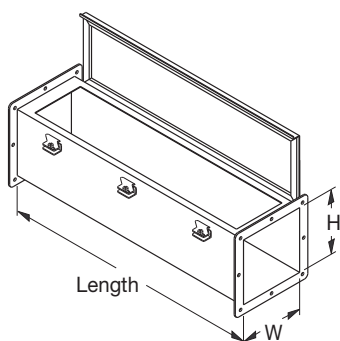
Notes: Cooper B-Line Systems can provide special sizes, finishes and other modifications. Consult the factory for your special requirements.

Feed-Through Wireway Type 12

Illustration Sheet and Catalog Number

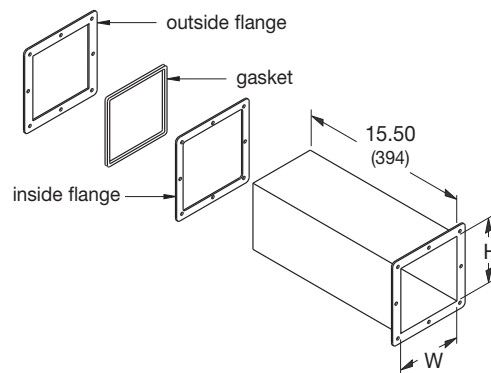


Flange Detail



Wireway Section

- lengths from 12.00" (305 mm) to 120.00" (3048 mm)



Straight Section

- includes (1) gasket kit

Catalog Number	Size	H		W	
		in.	mm	in.	mm
44(*)-12FW	4 x 4	4.00	102	4.00	102
66(*)-12FW	6 x 6	6.00	152	6.00	152
88(*)-12FW	8 x 8	8.00	203	8.00	203

(*) Insert for length 12 = 12", 24 = 24", 36 = 36", 48 = 48", 60 = 60", 120 = 120".

For	Actual Length	
	in.	mm
12	11.94	303
24	23.94	608
36	35.94	913
48	47.94	1218
60	59.94	1522
120	119.94	3046

Telescopic Fitting

- adjustable lengths from 1.50" (38 mm) to 13.50" (343 mm)
- no cutting or welding required

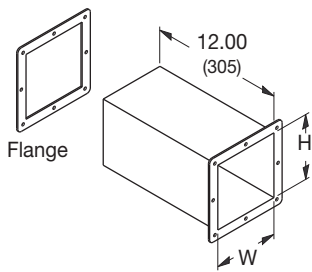
Catalog Number	Size	H		W	
		in.	mm	in.	mm
44-12FTF *	4 x 4	3.82	97	3.82	97
66-12FTF *	6 x 6	5.82	148	5.82	148
88-12FTF *	8 x 8	7.82	199	7.82	199

* Not UL or CSA Listed fitting.

Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

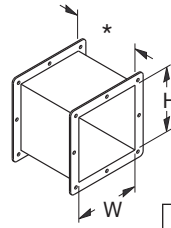
Feed-Through Wireway Type 12

Illustration Sheet and Catalog Number



Cut-Off Fitting

- length up to 12.00" (305 mm)
- shorten to desired length and weld on flange



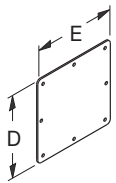
Nipple

- * lengths from 1.00" (25 mm) to 6.00" (152 mm)

Catalog Number	Size	H		W	
		in.	mm	in.	mm
44-12FCF	4 x 4	4.00	102	4.00	102
66-12FCF	6 x 6	6.00	152	6.00	152
88-12FCF	8 x 8	8.00	203	8.00	203

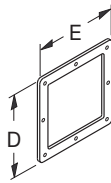
Catalog Number	Size	H		W	
		in.	mm	in.	mm
44-12FN(*)	4 x 4	4.00	102	4.00	102
66-12FN(*)	6 x 6	6.00	152	6.00	152
88-12FN(*)	8 x 8	8.00	203	8.00	203

(*) Insert 1 for 1" nipple (L = .938")
 Insert 2 for 2" nipple (L = 1.938")
 Insert 3 for 3" nipple (L = 2.938")
 Insert 6 for 6" nipple (L = 5.938")



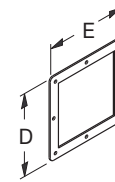
Closure Plate

- includes hardware



Box Connector

- includes hardware

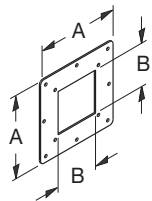


Gasket

Catalog Number	Size	D		E	
		in.	mm	in.	mm
44-12FCP	4 x 4	5.50	140	5.50	140
66-12FCP	6 x 6	7.75	197	7.75	197
88-12FCP	8 x 8	9.75	248	9.75	248

Catalog Number	Size	D		E	
		in.	mm	in.	mm
44-12FBC	4 x 4	5.50	140	5.50	140
66-12FBC	6 x 6	7.75	197	7.75	197
88-12FBC	8 x 8	9.75	248	9.75	248

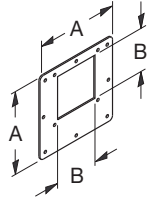
Catalog Number	Size	D		E	
		in.	mm	in.	mm
44-12FGK	4 x 4	5.50	140	5.50	140
66-12FGK	6 x 6	7.75	197	7.75	197
88-12FGK	8 x 8	9.75	248	9.75	248



Center

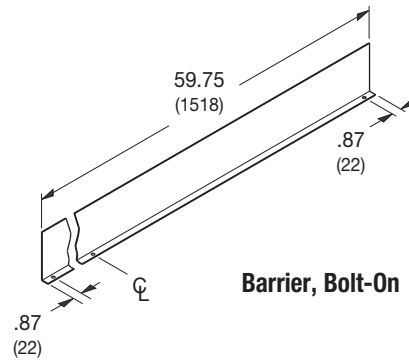
Reducer

- includes hardware



Edge

Catalog Number Center	Catalog Number Edge	Size	A		B	
			in.	mm	in.	mm
6644-12FRC	6644-12FRE	6 to 4	5.50	140	4.00	102
8866-12FRC	8866-12FRE	8 to 6	7.75	197	6.00	152



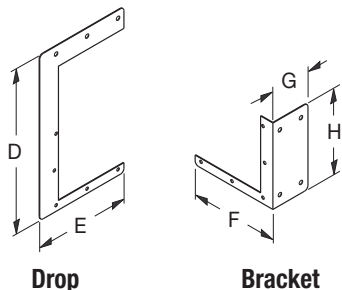
Barrier, Bolt-On

Catalog Number	Size	Height	
		in.	mm
44-12BK	4 x 4	3.00	76
66-12BK	6 x 6	4.50	114
88-12BK	8 x 8	6.00	152

Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Feed-Through Wireway Type 12

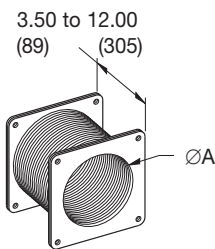
Illustration Sheet and Catalog Number



Wireway Hangers

- includes wireway to bracket mounting hardware
- anchors not included

Catalog Number Drop	Catalog Number Bracket	Size	D		E		F		G		H	
			in.	mm	in.	mm	in.	mm	in.	mm	in.	mm
44-12DH	44-12BH	4 x 4	12.00	305	6.00	152	6.25	159	3.62	92	6.00	152
66-12DH	66-12BH	6 x 6	16.00	406	8.25	210	8.50	216	3.62	92	8.00	203
88-12DH	88-12BH	8 x 8	20.75	527	20.00	311	10.50	267	3.62	92	11.37	289

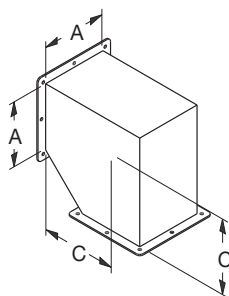


Flexible Fitting

- isolates wireway from shock or vibration and compensates for misalignment. 90° maximum angle. Hypalon bellow with steel flanges.

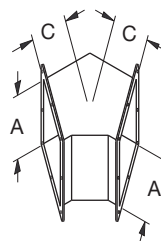
Catalog Number	Size	ØA	
		in.	mm
44-12FFF *	4 x 4	4.00	102
66-12FFF *	6 x 6	6.00	152
88-12FFF *	8 x 8	8.00	203

* Not UL or CSA Listed fitting.



90° Elbow

- includes (1) gasket & hardware

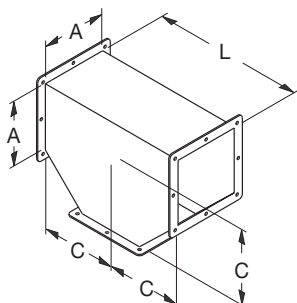


45° Elbow

- includes (1) gasket & hardware

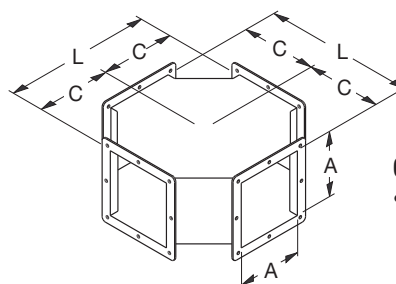
Catalog Number	Size	A		C	
		in.	mm	in.	mm
44-12FE9	4 x 4	4.00	102	6.00	152
66-12FE9	6 x 6	6.00	152	7.00	178
88-12FE9	8 x 8	8.00	203	8.00	203

Catalog Number	Size	A		C	
		in.	mm	in.	mm
44-12FE45	4 x 4	4.00	102	2.50	64
66-12FE45	6 x 6	6.00	152	2.93	74
88-12FE45	8 x 8	8.00	203	3.31	84



Tee

- includes (2) gaskets & hardware



Cross

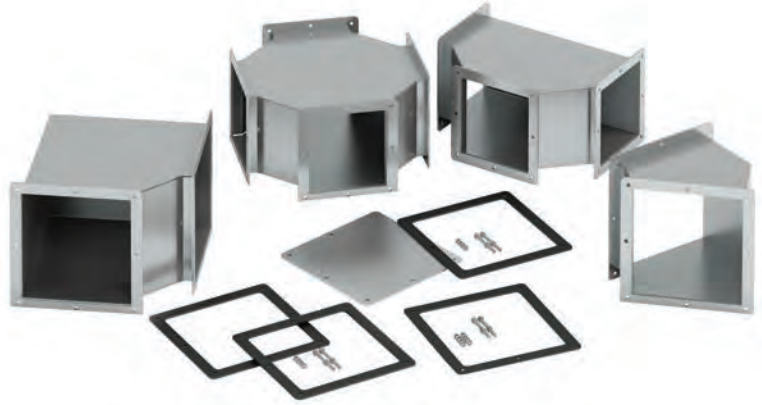
- includes (3) gaskets & hardware

Catalog Number	Size	A		C		L	
		in.	mm	in.	mm	in.	mm
44-12FT	4 x 4	4.00	102	6.00	152	12.00	305
66-12FT	6 x 6	6.00	152	7.00	178	14.00	356
88-12FT	8 x 8	8.00	203	8.00	203	16.00	406

Catalog Number	Size	A		C		L	
		in.	mm	in.	mm	in.	mm
44-12FC	4 x 4	4.00	102	6.00	152	12.00	305
66-12FC	6 x 6	6.00	152	7.00	178	14.00	356
88-12FC	8 x 8	8.00	203	8.00	203	16.00	406

Notes: 'C' dimensions are from intersection of center lines. All dimensions are to inside surfaces. Allow .12" (3mm) for flange gasket when joining pieces. Flange holes are .28" dia. (7mm). Flange radii are .37" (9mm). Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Feed-Through Wireway Type 4X Data Sheet



Application

- Houses runs of control and power cables
- Intended for indoor or outdoor use where a corrosive environment exists
- Protects against corrosion, windblown dust and rain, splashing water and hose-directed water

Standards

- UL 870 listed, unless noted, (see table)
- CSA C22.2 No. 26 certified, unless noted, (see table)
- Conforms to NEMA standard for Type 4X
- Conforms to JIC standard EGP-1-1967

Finish

- Outer surface of wireway body and cover has a smooth brushed finish
- Wireway body and cover is also available in Type 316 stainless steel upon special request

Accessories

- Box connector
- Closure plate
- Barrier kit
- Bracket hanger
- Drop hanger

Construction

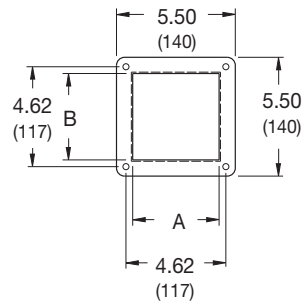
- Wireway body and cover are fabricated from (14) gauge Type 304 stainless steel
- Flanges are (10) gauge stainless steel
- All continuous welded seams are finished smooth
- External and internal edges are rounded to prevent injury or damage to cable
- Covers are secured to the wireway body with heavy-duty hinges on one side and easy-to-operate screw clamps mounted to the opposite side
- Continuous flanged ends assure rigid connections of wireway and fittings
- Cover has a seamless poured in-place gasket
- An oil-resistant gasket is provided for installation between flanges

Discount Schedule: C2

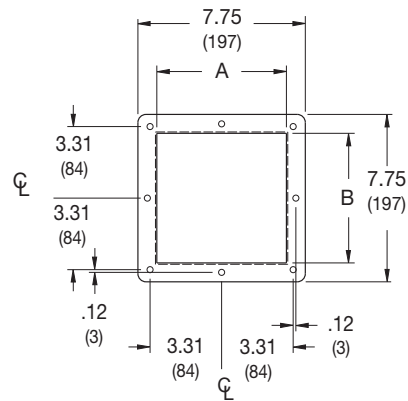
Subclass: Z70

Notes: Cooper B-Line Systems can provide special sizes, finishes and other modifications. Consult the factory for your special requirements.

Feed-Through Wireway Type 4X Illustration Sheet and Catalog Number

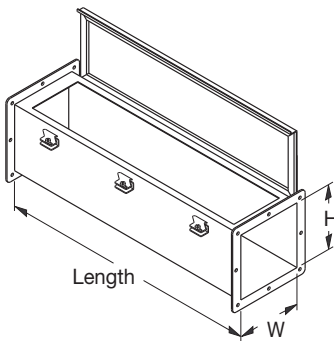


4.00 x 4.00



6.00 x 6.00

Flange Detail



Wireway Section

- lengths from 12.00" (305 mm) to 120.00" (3048 mm)

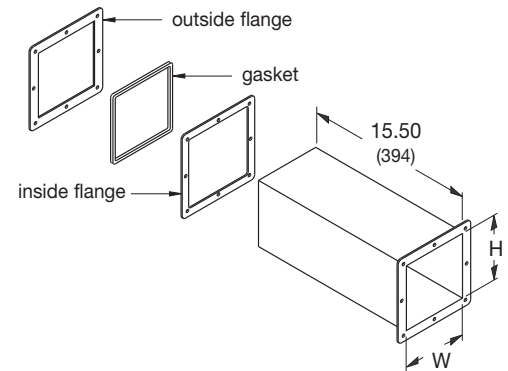
For	Actual Length	
	in.	mm
12	11.94	303
24	23.94	608
36	35.94	913
48	47.94	1218
60	59.94	1522
120	119.94	3046

Straight Section

- includes (1) gasket kit

Catalog Number	Size	H		W	
		in.	mm	in.	mm
44(*)-4XSFW	4 x 4	4.00	102	4.00	102
66(*)-4XSFW	6 x 6	6.00	152	6.00	152

(*) Insert for length 12 = 12", 24 = 24", 36 = 36", 48 = 48", 60 = 60", 120 = 120".



Telescopic Fitting

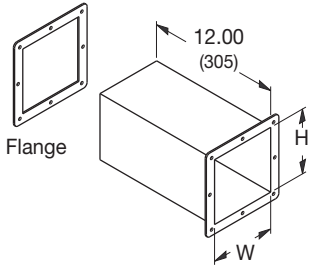
- adjustable lengths from 1.50" (38 mm) to 13.50" (343 mm)
- no cutting or welding required

Catalog Number	Size	H		W	
		in.	mm	in.	mm
44-4XSFTF *	4 x 4	3.82	97	3.82	97
66-4XSFTF *	6 x 6	5.82	148	5.82	148

* Not UL or CSA Listed fitting.

Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

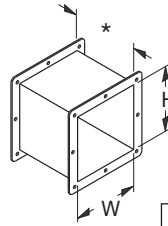
Feed-Through Wireway Type 4X Illustration Sheet and Catalog Number



Cut-Off Fitting

- length up to 12.00" (305 mm)
- shorten to desired length and weld on flange

Catalog Number	Size	H		W	
		in.	mm	in.	mm
44-4XSFCF	4 x 4	4.00	102	4.00	102
66-4XSFCF	6 x 6	6.00	152	6.00	152

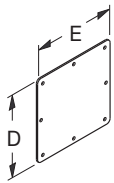


Nipple

* lengths from 1.00" (25 mm) to 6.00" (152 mm)

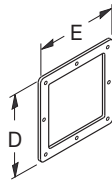
Catalog Number	Size	H		W	
		in.	mm	in.	mm
44-4XSFN(*)	4 x 4	4.00	102	4.00	102
66-4XSFN(*)	6 x 6	6.00	152	6.00	152

(*) Insert 1 for 1" nipple (L = .938")
 Insert 2 for 2" nipple (L = 1.938")
 Insert 3 for 3" nipple (L = 2.938")
 Insert 6 for 6" nipple (L = 5.938")



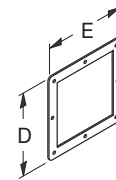
Closure Plate

- includes hardware



Box Connector

- includes hardware

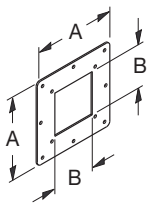


Gasket Kit

Catalog Number	Size	D		E	
		in.	mm	in.	mm
44-4XSFCP	4 x 4	5.50	140	5.50	140
66-4XSFCP	6 x 6	7.75	197	7.75	197

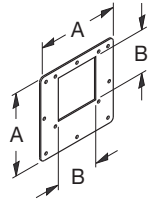
Catalog Number	Size	D		E	
		in.	mm	in.	mm
44-4XSFCB	4 x 4	5.50	140	5.50	140
66-4XSFCB	6 x 6	7.75	197	7.75	197

Catalog Number	Size	D		E	
		in.	mm	in.	mm
44-4XSFGK	4 x 4	5.50	140	5.50	140
66-4XSFGK	6 x 6	7.75	197	7.75	197



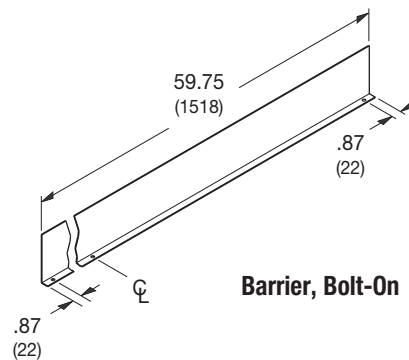
Center

- includes hardware



Edge

Catalog Number Center	Catalog Number Edge	Size	A		B	
			in.	mm	in.	mm
6644-4XSFR	6644-4XSFRE	6 to 4	5.50	140	4.00	102

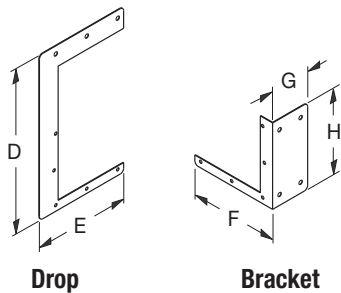


Barrier, Bolt-On

Catalog Number	Size	Height	
		in.	mm
44-12BK	4 x 4	3.00	76
66-12BK	6 x 6	4.50	114

Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

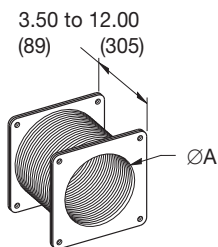
Feed-Through Wireway Type 4X Illustration Sheet and Catalog Number



Wireway Hangers

- includes wireway to bracket mounting hardware
- anchors not included

Catalog Number Drop	Catalog Number Bracket	Size	D		E		F		G		H	
			in.	mm	in.	mm	in.	mm	in.	mm	in.	mm
44-4XSDH	44-4XSBH	4 x 4	12.00	305	6.00	152	6.25	159	3.62	92	6.00	152
66-4XSDH	66-4XSBH	6 x 6	16.00	406	8.25	210	8.50	216	3.62	92	8.00	203

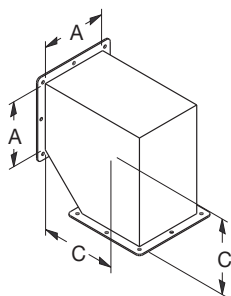


Flexible Fitting

- isolates wireway from shock or vibration and compensates for misalignment. 90° maximum angle. Hypalon bellow with steel flanges.

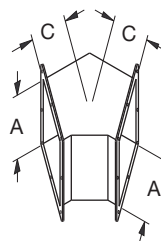
Catalog Number	Size	ØA	
		in.	mm
44-4XSFFF *	4 x 4	4.00	102
66-4XSFFF *	6 x 6	6.00	152

* Not UL or CSA Listed fitting.



90° Elbow

- includes (1) gasket & hardware

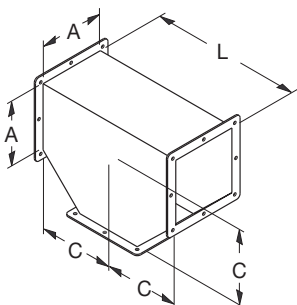


45° Elbow

- includes (1) gasket & hardware

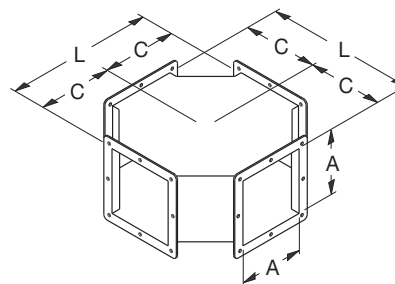
Catalog Number	Size	A		C	
		in.	mm	in.	mm
44-4XSFE9	4 x 4	4.00	102	6.00	152
66-4XSFE9	6 x 6	6.00	152	7.00	178

Catalog Number	Size	A		C	
		in.	mm	in.	mm
44-4XSFE45	4 x 4	4.00	102	2.77	70
66-4XSFE45	6 x 6	6.00	152	3.18	81



Tee

- includes (2) gaskets & hardware



Cross

- includes (3) gaskets & hardware

Catalog Number	Size	A		C		L	
		in.	mm	in.	mm	in.	mm
44-4XSFT	4 x 4	4.00	102	6.00	152	12.00	305
66-4XSFT	6 x 6	6.00	152	7.00	178	14.00	356

Catalog Number	Size	A		C		L	
		in.	mm	in.	mm	in.	mm
44-4XSFC	4 x 4	4.00	102	6.00	152	12.00	305
66-4XSFC	6 x 6	6.00	152	7.00	178	14.00	356

Notes: 'C' dimensions are from intersection of center lines. All dimensions are to inside surfaces. Allow .12" (3mm) for flange gasket when joining pieces. Flange holes are .28" dia. (7mm). Flange radii are .37" (9mm). Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Wiring Troughs Type 1 Screw Cover Data Sheet



Application

- Used for indoor cable and wire junction, distribution, and termination applications where dirt, dust, oil, and water are not serious problems

Standards

- UL 870 listed, Type 1
- CSA C22.2 No. 26 certified, Type 1
- Conforms to NEMA standard for Type 1

Finish

- Galvanized Steel

Accessories

- See Accessories section

Construction

- Covers and bodies are fabricated from code gauge galvanized steel (see table, page 41)
- Bodies have mounting holes on the back
- Cover is held secure to the body by plated screws
- Keyhole slots on the trough cover allow removal of cover without removing screws
- Shipped complete with permanently connected ends

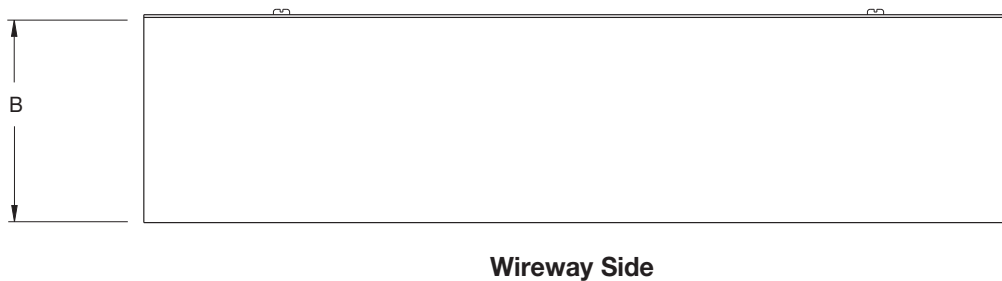
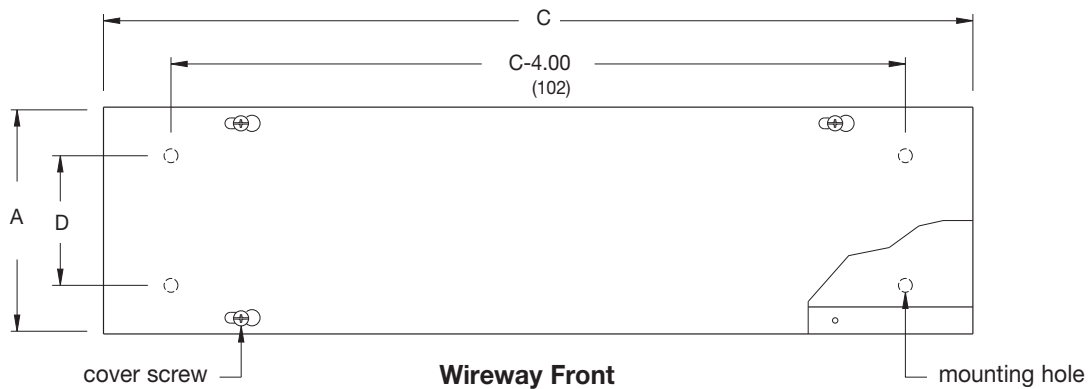
Discount Schedule: A2

Subclass: AN1

Notes: Cooper B-Line can provide special sizes, finishes and other modifications. Consult the factory for your special requirements.

Wiring Troughs Type 1 Screw Cover Illustration Sheet and Catalog Number

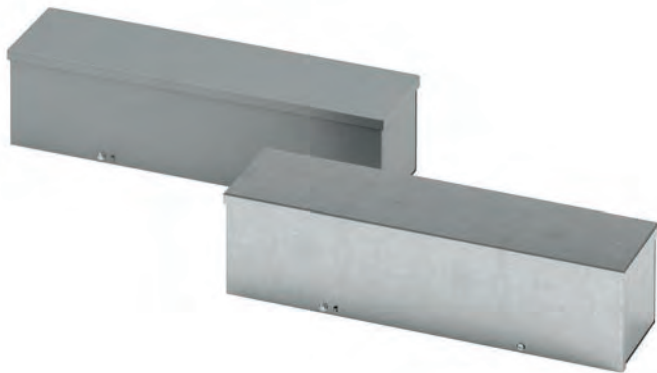
Catalog Number	Height x Depth x Length A x B x C		D		Gauge	
	in.	mm	in.	mm	in.	mm
4412 GTGV NK	4.00 x 4.00 x 12.00	102 x 102 x 305	2.75	69.8	16	1.4
4424 GTGV NK	4.00 x 4.00 x 24.00	102 x 102 x 610	2.75	69.8	16	1.4
4436 GTGV NK	4.00 x 4.00 x 36.00	102 x 102 x 914	2.75	69.8	16	1.4
4448 GTGV NK	4.00 x 4.00 x 48.00	102 x 102 x 1219	2.75	69.8	16	1.4
4460 GTGV NK	4.00 x 4.00 x 60.00	102 x 102 x 1524	2.75	69.8	16	1.4
4472 GTGV NK	4.00 x 4.00 x 72.00	102 x 102 x 1829	2.75	69.8	16	1.4
6612 GTGV NK	6.00 x 6.00 x 12.00	152 x 152 x 305	4.25	107.9	16	1.4
6624 GTGV NK	6.00 x 6.00 x 24.00	152 x 152 x 610	4.25	107.9	16	1.4
6636 GTGV NK	6.00 x 6.00 x 36.00	152 x 152 x 914	4.25	107.9	16	1.4
6648 GTGV NK	6.00 x 6.00 x 48.00	152 x 152 x 1219	4.25	107.9	16	1.4
6660 GTGV NK	6.00 x 6.00 x 60.00	152 x 152 x 1524	4.25	107.9	16	1.4
6672 GTGV NK	6.00 x 6.00 x 72.00	152 x 152 x 1829	4.25	107.9	16	1.4
8824 GTGV NK	8.00 x 8.00 x 24.00	203 x 203 x 610	6.00	152.4	14	1.9
8836 GTGV NK	8.00 x 8.00 x 36.00	203 x 203 x 914	6.00	152.4	14	1.9
8848 GTGV NK	8.00 x 8.00 x 48.00	203 x 203 x 1219	6.00	152.4	14	1.9
8860 GTGV NK	8.00 x 8.00 x 60.00	203 x 203 x 1524	6.00	152.4	14	1.9
8872 GTGV NK	8.00 x 8.00 x 72.00	203 x 203 x 1829	6.00	152.4	14	1.9
101048 GTGV NK	10.00 x 10.00 x 48.00	254 x 254 x 1219	8.00	203.2	14	1.9
121224 GTGV NK	12.00 x 12.00 x 24.00	305 x 305 x 610	10.00	254.0	14	1.9
121236 GTGV NK	12.00 x 12.00 x 36.00	305 x 305 x 914	10.00	254.0	14	1.9
121248 GTGV NK	12.00 x 12.00 x 48.00	305 x 305 x 1219	10.00	254.0	14	1.9



Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Cable & Wire Management

Wiring Troughs Type 3R Screw Cover, Painted & Galvanized Data and Illustration Sheet



Finish

- Wash and phosphate undercoat or galvanized steel
- ANSI 61 gray acrylic electrocoat finish

Accessories

- Sealing devices
- Touch-up paint
- See Accessories section

Construction

- Wireway body and cover are fabricated from (16) gauge galvaneal steel for painted or galvanized steel
- Wireway body has embossed mounting holes on the back
- Wireway is available with or without knockouts on the bottom end only, (see table)
- Cover is held secure by sliding it under the top end flange and fastening it with plated screws on the bottom end flange
- Sealing screws and lances are located at each end of the wireway cover
- Wireway exceeding 72 inches in length has two covers, a removable center channel and body supports

Application

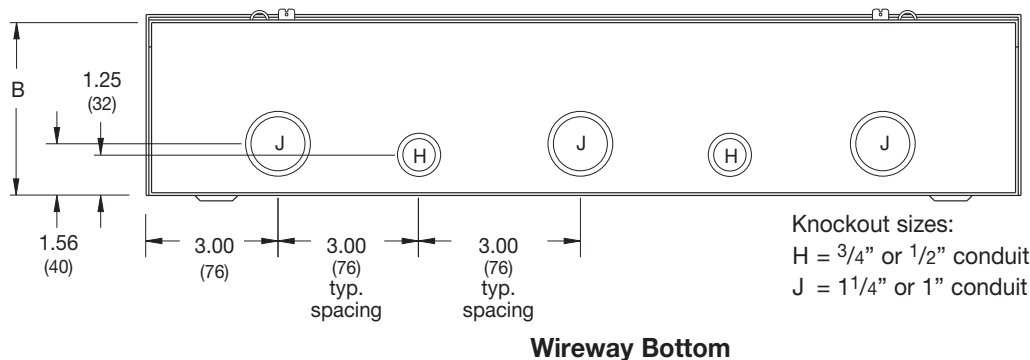
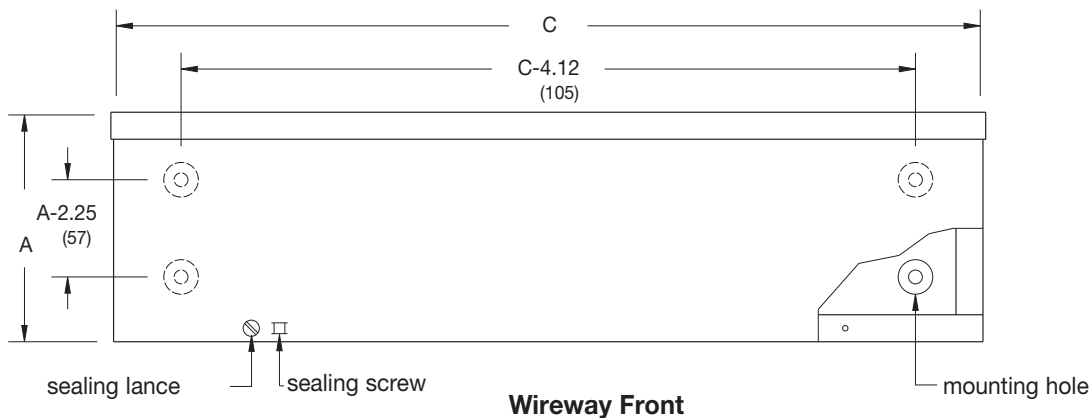
- Houses runs of control and power cable
- Used for cable and wire junction, distribution and termination

Standards

- UL 870 listed, Type 3R
- CSA C22.2 No. 26 certified, Type 3R
- Conforms to NEMA standard for Type 3R

Discount Schedule: A2

Subclass: AM1 & Z50



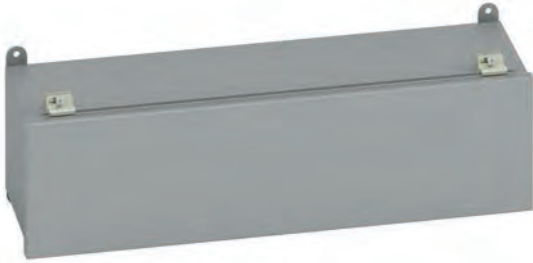
Notes: Cooper B-Line can provide special sizes, finishes and other modifications. Consult the factory for your special requirements.

Wiring Troughs Type 3R Screw Cover, Painted & Galvanized Catalog Number

Wireway Catalog Number				Wireway Size		Knockout Quantity
Painted		Galvanized		Height x Depth x Length		
KO	No KO	KO	No KO	A x B x C		
				in.	mm	Bottom
4412 GRT	4412 GRT NK	--	4412 GRTGV NK	4.00 x 4.00 x 12.00	102 x 102 x 305	3
4418 GRT	4418 GRT NK	--	--	4.00 x 4.00 x 18.00	102 x 102 x 457	5
4424 GRT	4424 GRT NK	--	4424 GRTGV NK	4.00 x 4.00 x 24.00	102 x 102 x 610	7
4436 GRT	4436 GRT NK	--	4436 GRTGV NK	4.00 x 4.00 x 36.00	102 x 102 x 914	11
4448 GRT	4448 GRT NK	--	4448 GRTGV NK	4.00 x 4.00 x 48.00	102 x 102 x 1219	15
4460 GRT	4460 GRT NK	--	4460 GRTGV NK	4.00 x 4.00 x 60.00	102 x 102 x 1524	19
4472 GRT	4472 GRT NK	--	4472 GRTGV NK	4.00 x 4.00 x 72.00	102 x 102 x 1829	23
--	4496 GRT NK	--	--	4.00 x 4.00 x 96.00	102 x 102 x 2438	31
--	44120 GRT NK	--	44120 GRTGV NK	4.00 x 4.00 x 120.00	102 x 102 x 3048	35
6612 GRT	6612 GRT NK	--	6612 GRTGV NK	6.00 x 6.00 x 12.00	152 x 152 x 305	3
6618 GRT	6618 GRT NK	--	6618 GRTGV NK	6.00 x 6.00 x 18.00	1152 x 152 x 457	5
6624 GRT	6624 GRT NK	--	6624 GRTGV NK	6.00 x 6.00 x 24.00	152 x 152 x 610	7
6636 GRT	6636 GRT NK	--	6636 GRTGV NK	6.00 x 6.00 x 36.00	152 x 152 x 914	11
6648 GRT	6648 GRT NK	--	6648 GRTGV NK	6.00 x 6.00 x 48.00	152 x 152 x 1219	15
6660 GRT	6660 GRT NK	--	6660 GRTGV NK	6.00 x 6.00 x 60.00	152 x 152 x 1524	19
6672 GRT	6672 GRT NK	--	6672 GRTGV NK	6.00 x 6.00 x 72.00	152 x 152 x 1829	23
--	6696 GRT NK	--	--	6.00 x 6.00 x 96.00	152 x 152 x 2438	31
--	66120 GRT NK	--	66120 GRTGV NK	6.00 x 6.00 x 120.00	152 x 152 x 3048	35
8812 GRT	8812 GRT NK	--	8812 GRTGV NK	8.00 x 8.00 x 12.00	203 x 203 x 305	3
8818 GRT	8818 GRT NK	--	--	8.00 x 8.00 x 18.00	203 x 203 x 457	5
8824 GRT	8824 GRT NK	--	8824 GRTGV NK	8.00 x 8.00 x 24.00	203 x 203 x 610	7
8836 GRT	8836 GRT NK	--	8836 GRTGV NK	8.00 x 8.00 x 36.00	203 x 203 x 914	11
8848 GRT	8848 GRT NK	--	8848 GRTGV NK	8.00 x 8.00 x 48.00	203 x 203 x 1219	15
8860 GRT	8860 GRT NK	--	8860 GRTGV NK	8.00 x 8.00 x 60.00	203 x 203 x 1524	19
8872 GRT	8872 GRT NK	--	8872 GRTGV NK	8.00 x 8.00 x 72.00	203 x 203 x 1829	23
--	8896 GRT NK	--	8896 GRTGV NK	8.00 x 8.00 x 96.00	203 x 203 x 2438	-
--	88120 GRT NK	--	88120 GRTGV NK	8.00 x 8.00 x 120.00	203 x 203 x 3048	-
--	101024 GRT NK	--	101024 GRTGV NK	10.00 x 10.00 x 24.00	254 x 254 x 610	-
--	101036 GRT NK	--	101036 GRTGV NK	10.00 x 10.00 x 36.00	254 x 254 x 914	-
--	101048 GRT NK	--	101048 GRTGV NK	10.00 x 10.00 x 48.00	254 x 254 x 1219	-
--	101060 GRT NK	--	101060 GRTGV NK	10.00 x 10.00 x 60.00	254 x 254 x 1524	-
--	101072 GRT NK	--	101072 GRTGV NK	10.00 x 10.00 x 72.00	254 x 254 x 1829	-
--	101096 GRT NK	--	101096 GRTGV NK	10.00 x 10.00 x 96.00	254 x 254 x 2438	-
--	1010120 GRT NK	--	1010120 GRTGV NK	10.00 x 10.00 x 120.00	254 x 254 x 3048	-
--	121224 GRT NK	--	121224 GRTGV NK	12.00 x 12.00 x 24.00	305 x 305 x 610	-
--	121236 GRT NK	--	121236 GRTGV NK	12.00 x 12.00 x 36.00	305 x 305 x 914	-
--	121248 GRT NK	--	121248 GRTGV NK	12.00 x 12.00 x 48.00	305 x 305 x 1219	-
--	121260 GRT NK	--	121260 GRTGV NK	12.00 x 12.00 x 60.00	305 x 305 x 1524	-
--	121272 GRT NK	--	121272 GRTGV NK	12.00 x 12.00 x 72.00	305 x 305 x 1829	-
--	121296 GRT NK	--	121296 GRTGV NK	12.00 x 12.00 x 96.00	305 x 305 x 2438	-
--	1212120 GRT NK	--	1212120 GRTGV NK	12.00 x 12.00 x 120.00	355 x 355 x 3048	-
--	141448 GRT NK	--	141448 GRTGV NK	14.00 x 14.00 x 48.00	355 x 355 x 1219	-
--	141472 GRT NK	--	141472 GRTGV NK	14.00 x 14.00 x 72.00	355 x 355 x 1829	-
--	141496 GRT NK	--	141496 GRTGV NK	14.00 x 14.00 x 96.00	355 x 355 x 2438	-
--	1414120 GRT NK	--	1414120 GRTGV NK	14.00 x 14.00 x 120.00	355 x 355 x 3048	-

Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Wiring Troughs Type 12 Lift-Off Cover Data Sheet



Application

- Houses runs of control and power cable
- Protects against circulating dust, falling dirt and dripping noncorrosive liquids

Standards

- UL 870 listed
- CSA C22.2 No. 26 certified
- Conforms to NEMA standard for Type 12
- Conforms to JIC standard EGP-1-1967

Finish

- Wash and phosphate undercoat
- ANSI 61 gray polyester powder finish
- Hardware and latches are zinc plated

Accessories

- Touch-up paint
- See Accessories section

Construction

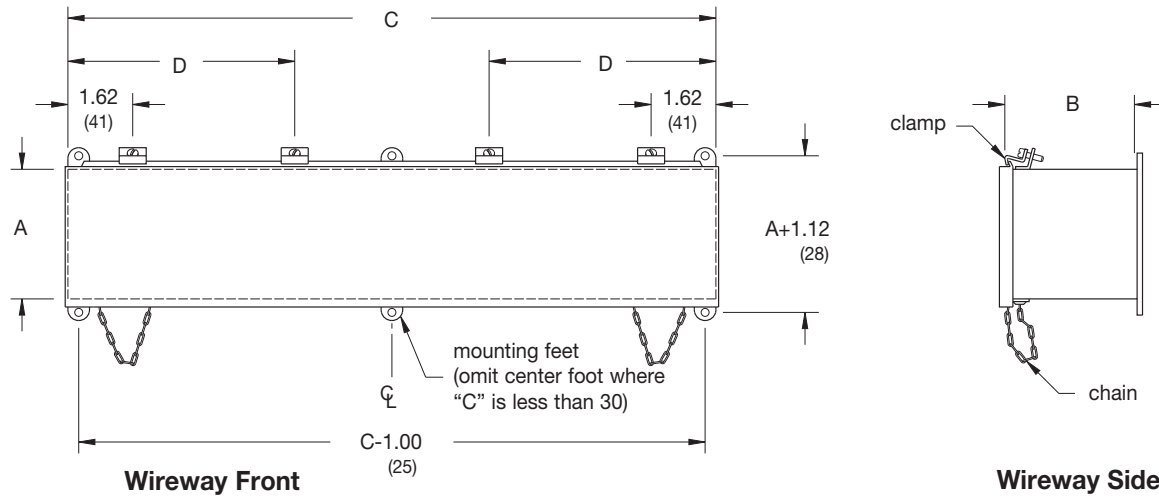
- Wireway body and cover are fabricated from (14) gauge steel
- All continuous welded seams are finished smooth
- Cover is secured to the wireway body with semi-hinges on one side and easy-to-operate screw clamps mounted to the opposite side
- Two chains hold cover to the body when screw clamps are released
- Cover has a seamless poured in-place gasket
- External mounting feet are provided for wall mounting

Discount Schedule: C2

Subclass: DB0

Notes: Cooper B-Line Systems can provide special sizes, finishes and other modifications. Consult the factory for your special requirements.

Wiring Troughs Type 12 Lift-Off Cover Illustration Sheet and Catalog Number



Trough Catalog Number	Trough Size Width x Depth x Length A x B x C		D	
	in.	mm	in.	mm
4412-12WT	4.00 x 4.00 x 12.00	102 x 102 x 305	-	-
4418-12WT	4.00 x 4.00 x 18.00	102 x 102 x 457	-	-
4424-12WT	4.00 x 4.00 x 24.00	102 x 102 x 610	-	-
4430-12WT	4.00 x 4.00 x 30.00	102 x 102 x 762	15.00	381
4436-12WT	4.00 x 4.00 x 36.00	102 x 102 x 914	18.00	457
4448-12WT	4.00 x 4.00 x 48.00	102 x 102 x 1219	24.00	610
4460-12WT	4.00 x 4.00 x 60.00	102 x 102 x 1524	20.25	514
4472-12WT	4.00 x 4.00 x 72.00	102 x 102 x 1829	24.25	616
6612-12WT	6.00 x 6.00 x 12.00	152 x 152 x 305	-	-
6618-12WT	6.00 x 6.00 x 18.00	152 x 152 x 457	-	-
6624-12WT	6.00 x 6.00 x 24.00	152 x 152 x 610	-	-
6636-12WT	6.00 x 6.00 x 36.00	152 x 152 x 914	18.00	457
6648-12WT	6.00 x 6.00 x 48.00	152 x 152 x 1219	24.00	610
6660-12WT	6.00 x 6.00 x 60.00	152 x 152 x 1524	20.25	514
6672-12WT	6.00 x 6.00 x 72.00	152 x 152 x 1829	24.25	616
8812-12WT	8.00 x 8.00 x 12.00	203 x 203 x 305	-	-
8824-12WT	8.00 x 8.00 x 24.00	203 x 203 x 610	-	-
8836-12WT	8.00 x 8.00 x 36.00	203 x 203 x 914	18.00	457
8848-12WT	8.00 x 8.00 x 48.00	203 x 203 x 1219	24.00	610
8860-12WT	8.00 x 8.00 x 60.00	203 x 203 x 1524	20.25	514
8872-12WT	8.00 x 8.00 x 72.00	203 x 203 x 1829	24.25	616



XX12-12WT
XX18-12WT
XX24-12WT

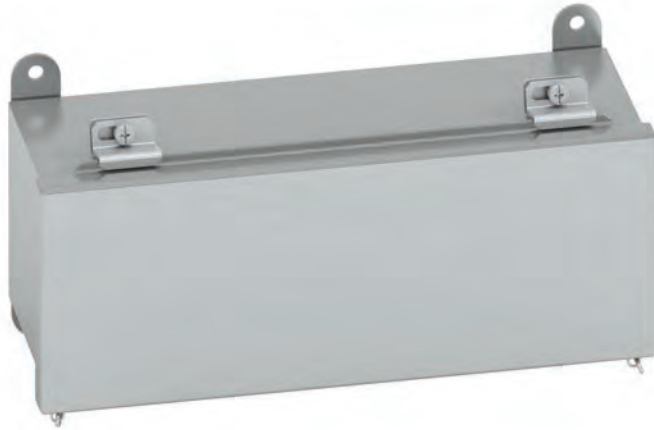
XX30-12WT
XX36-12WT
XX48-12WT

XX60-12WT
XX72-12WT

Cover Clamp Layout

Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Wiring Troughs Type 4X Lift-Off Cover Data Sheet



Application

- Houses runs of control and power cable
- Protects against corrosion, windblown dust and rain, splashing water and hose-directed water

Standards

- UL 870 listed
- CSA C22.2 No. 26 certified
- Conforms to NEMA standard for Type 4X
- Conforms to JIC standard EGP-1-1967

Finish

- Outer surface of wireway body and cover has a smooth brushed finish

Accessories

- Bracket hanger
- Drop hanger

Construction

- Wireway body and cover are fabricated from (14) gauge Type 304 stainless steel
- All continuous welded seams are finished smooth
- Cover is secured to the wireway body with semi-hinges on one side and easy-to-operate screw clamps mounted to the opposite side
- Two chains hold cover to the body when screw clamps are released
- Cover has a seamless poured in-place gasket
- External mounting feet are provided for wall mounting

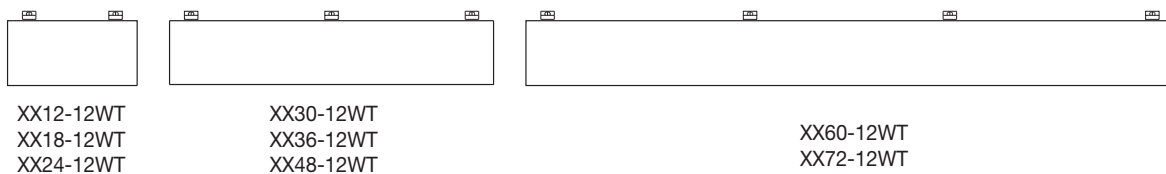
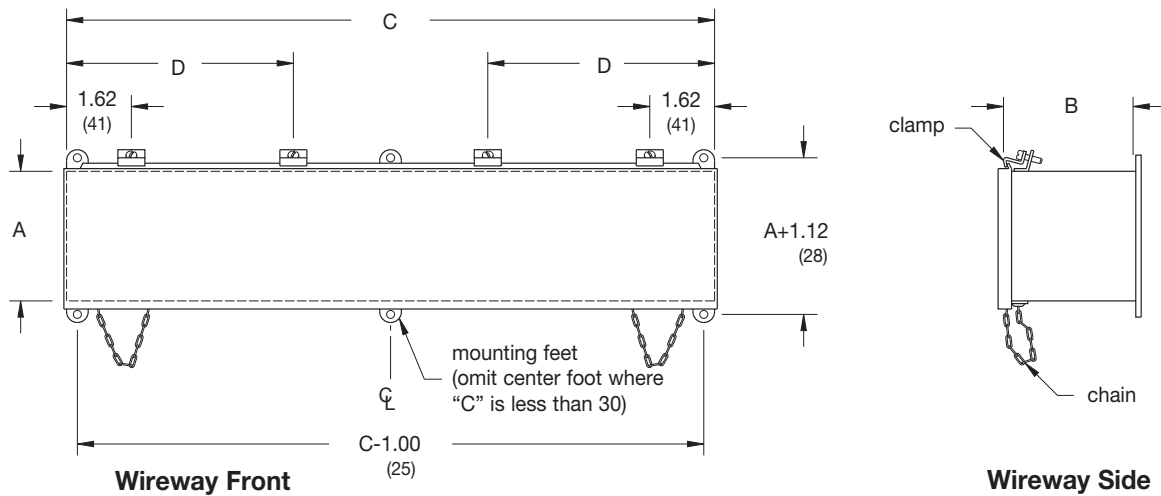
Discount Schedule: C2

Subclass: U10

Notes: Cooper B-Line can provide special sizes, finishes and other modifications. Consult the factory for your special requirements.

Wiring Troughs Type 4X Lift-Off Cover Illustration Sheet and Catalog Number

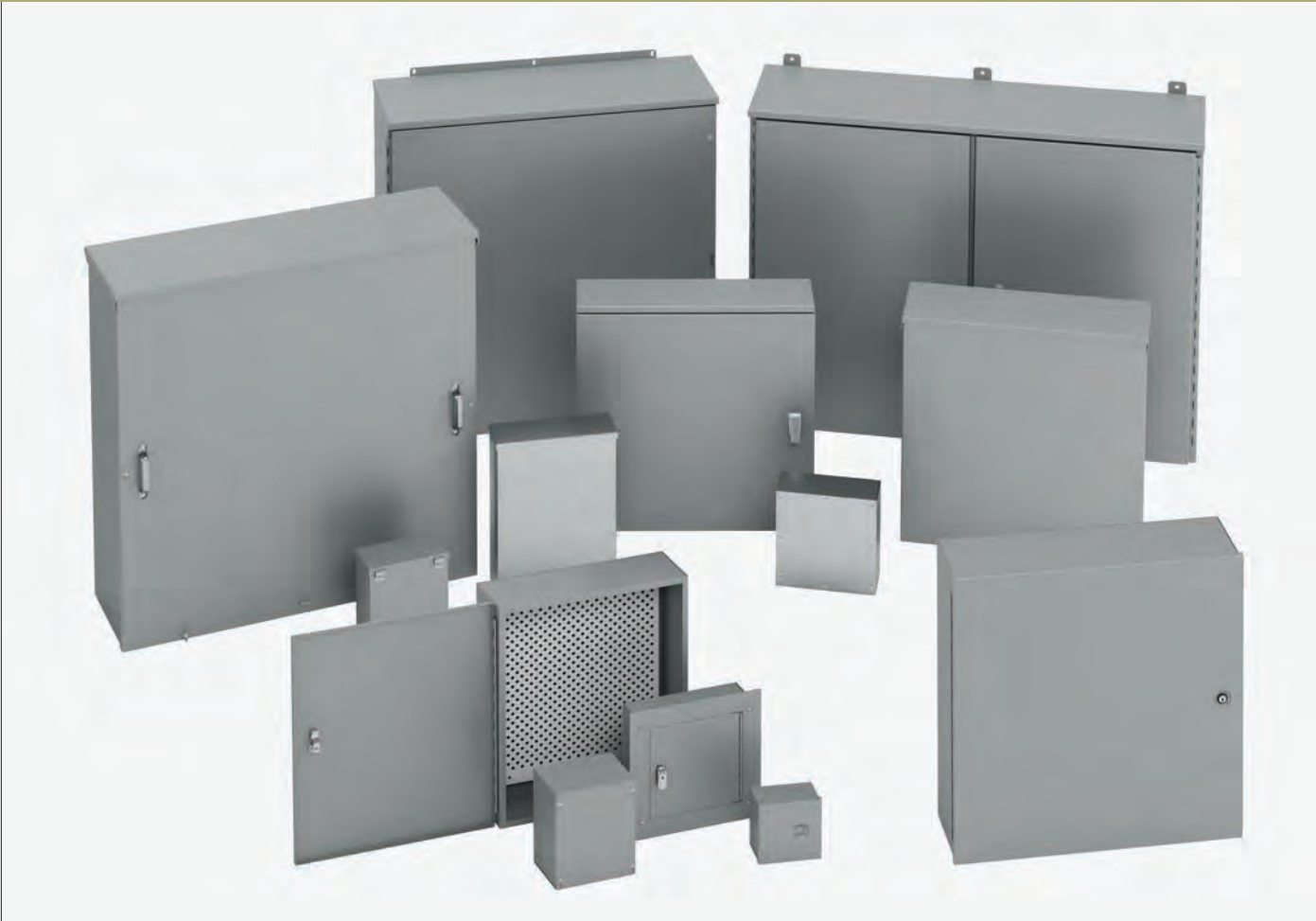
Trough Catalog Number	Trough Size Width x Depth x Length A x B x C		D	
	in.	mm	in.	mm
	4412-4XSWT	4.00 x 4.00 x 12.00	102 x 102 x 305	-
4418-4XSWT	4.00 x 4.00 x 18.00	102 x 102 x 457	-	-
4424-4XSWT	4.00 x 4.00 x 24.00	102 x 102 x 610	-	-
4430-4XSWT	4.00 x 4.00 x 30.00	102 x 102 x 762	15.00	381
4436-4XSWT	4.00 x 4.00 x 36.00	102 x 102 x 914	18.00	457
4448-4XSWT	4.00 x 4.00 x 48.00	102 x 102 x 1219	24.00	610
4460-4XSWT	4.00 x 4.00 x 60.00	102 x 102 x 1524	20.25	514
4472-4XSWT	4.00 x 4.00 x 72.00	102 x 102 x 1829	24.25	616
6612-4XSWT	6.00 x 6.00 x 12.00	152 x 152 x 305	-	-
6618-4XSWT	6.00 x 6.00 x 18.00	152 x 152 x 457	-	-
6624-4XSWT	6.00 x 6.00 x 24.00	152 x 152 x 610	-	-
6636-4XSWT	6.00 x 6.00 x 36.00	152 x 152 x 914	18.00	457
6648-4XSWT	6.00 x 6.00 x 48.00	152 x 152 x 1219	24.00	610
6660-4XSWT	6.00 x 6.00 x 60.00	152 x 152 x 1524	20.25	514
6672-4XSWT	6.00 x 6.00 x 72.00	152 x 152 x 1829	24.25	616



Cover Clamp Layout

Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Type 1, 3, & 3R Enclosures



Junction Boxes Type 1 Screw Cover	50-53
Junction Boxes Type 1 Hinge Cover	54-55
Junction Boxes Type 3R Screw Cover	56-57
Junction Boxes Type 3R Hinge Cover	58-59
Junction Boxes Type 3 Screw Cover Gasketed	60-61
Junction Boxes Type 3 Weatherproof Screw Cover	62-63
Panel Enclosures Type 1 Small	64-65
Panel Enclosures Type 1 Medium	66-67
Panel Enclosures Type 1 Large	68-69
Panel Enclosures Type 1 Locking Hinge Cover w/Perforated Panel	70-71
Panel Enclosures Type 3R Small Continuous Hinge Cover	72-73
Panel Enclosures Type 3R Large Continuous Hinge Cover	74-75
Panel Enclosures Type 3R Double-Door	76-77
Utility Cabinets Type 1 Telephone Cabinets	78-80
Utility Cabinets Type 3R Telephone Cabinets	81-82
Utility Cabinets Type 3R Screw Cover Current Transformer Cabinets	83-85
Utility Cabinets Type 3R Hinge Cover Current Transformer Cabinets	86-87

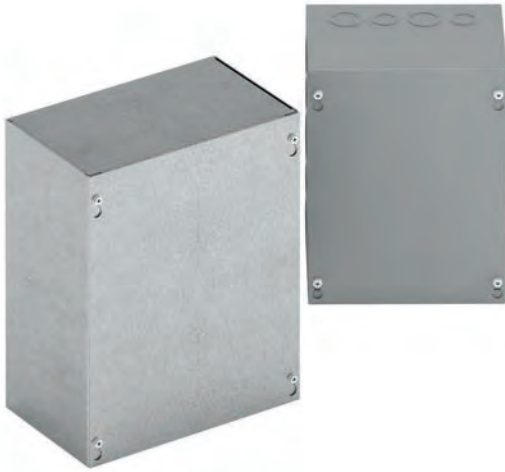
Type 1, 3, & 3R Enclosures

Junction Boxes

Type 1 Screw Cover - Painted & Galvanized

Data and Illustration Sheet

Type 1, 3, & 3R Enclosures



Application

- Used as wiring boxes, junction and pull boxes
- Protects against contact with enclosed equipment

Standards

- UL 50 listed, Type 1
- CSA C22.2 No. 40 certified, Type 1
- Conforms to NEMA standard for Type 1

Finish

- Wash and phosphate undercoat or galvanized steel
- ANSI 61 gray acrylic electrocoat finish

Accessories

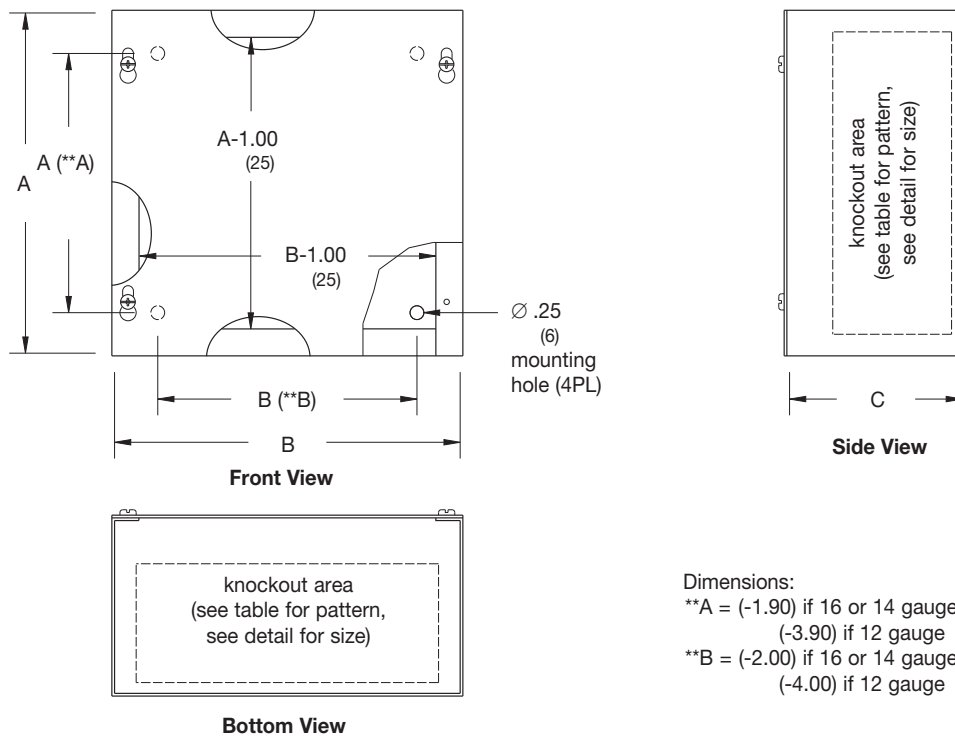
- Ground lug kit
- Touch-up paint
- See Accessories section

Construction

- Enclosure and cover are fabricated from code gauge steel or galvanized steel, (see table)
- Enclosure body has mounting holes on the back
- Enclosures are available with or without knockouts on the sides, top and bottom ends
- Cover is secured to the body with plated hex head combo screws
- Keyhole slots provided in the cover allow easy access to the inside without removing the screws
- #10-32 tapped hole provision for optional ground lug kit

Discount Schedule: A2

Subclass: ANO & AX1



Dimensions:

- **A = (-1.90) if 16 or 14 gauge
(-3.90) if 12 gauge
- **B = (-2.00) if 16 or 14 gauge
(-4.00) if 12 gauge

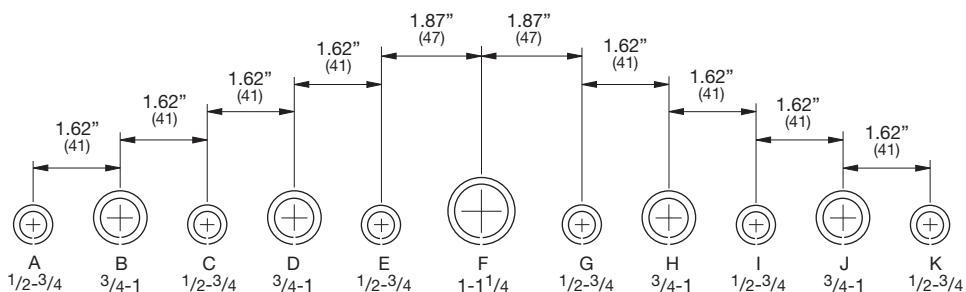
Notes: Cooper B-Line can provide special sizes, finishes and other modifications. Consult the factory for your special requirements. Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Type 1, 3, & 3R Enclosures

Junction Boxes Type 1 Screw Cover - Painted & Galvanized Catalog Number

Type 1, 3, & 3R Enclosures

Enclosure Catalog Number				Enclosure Size			Gauge	Knockout Pattern Each Side	Knockout Pattern Top & Bottom
Painted		Galvanized		Height x Width x Depth A x B x C					
KO	No KO	KO	No KO	in.	mm				
443 SC	443 SC NK	443 SCGV	443 SCGV NK	4.00 x 4.00 x 3.00	102 x 102 x 76	16	(C D)	(C D)	
444 SC	444 SC NK	444 SCGV	444 SCGV NK	4.00 x 4.00 x 4.00	102 x 102 x 102	16	(C D)	(C D)	
644 SC	644 SC NK	644 SCGV	644 SCGV NK	6.00 x 4.00 x 4.00	152 x 102 x 102	16	(C D E)	(C D)	
663 SC	663 SC NK	663 SCGV	663 SCGV NK	6.00 x 6.00 x 3.00	152 x 152 x 76	16	(C D E)	(C D E)	
664 SC	664 SC NK	664 SCGV	664 SCGV NK	6.00 x 6.00 x 4.00	152 x 152 x 102	16	(C D E)	(C D E)	
863 SC	863 SC NK	863 SCGV	863 SCGV NK	8.00 x 6.00 x 4.300	203 x 152 x 76	16	(G H I J)	(C D E)	
864 SC	864 SC NK	864 SCGV	864 SCGV NK	8.00 x 6.00 x 4.00	203 x 152 x 102	16	(G H I J)	(C D E)	
884 SC	884 SC NK	884 SCGV	884 SCGV NK	8.00 x 8.00 x 4.00	203 x 203 x 102	16	(G H I J)	(G H I J)	
--	1064 SC NK	--	1064 SCGV NK	10.00 x 6.00 x 4.00	254 x 152 x 102	16	--	--	
1084 SC	1084 SC NK	1084 SCGV	1084 SCGV NK	10.00 x 8.00 x 4.00	254 x 203 x 102	16	(G H I J)	(G H I J)	
10104 SC	10104 SC NK	10104 SCGV	10104 SCGV NK	10.00 x 10.00 x 4.00	254 x 254 x 102	16	(G H I J)	(G H I J)	
1264 SC	1264 SC NK	--	1264 SCGV NK	12.00 x 6.00 x 4.00	305 x 152 x 102	16	(D E F G H)	(C D E)	
1284 SC	1284 SC NK	1284 SCGV	1284 SCGV NK	12.00 x 8.00 x 4.00	305 x 203 x 102	16	(D E F G H)	(G H I J)	
12104 SC	12104 SC NK	12104 SCGV	12104 SCGV NK	12.00 x 10.00 x 4.00	305 x 254 x 102	16	(D E F G H)	(D E F G H)	
12124 SC	12124 SC NK	12124 SCGV	12124 SCGV NK	12.00 x 12.00 x 4.00	305 x 305 x 102	16	(D E F G H)	(D E F G H)	
--	15154 SC NK	15154 SCGV	--	15.00 x 15.00 x 4.00	381 x 381 x 102	16	(C D E F G H I)	(C D E F G H I)	
16124 SC	16124 SC NK	16124 SCGV	16124 SCGV NK	16.00 x 12.00 x 4.00	406 x 305 x 102	16	(C D E F G H I)	(D E F G H)	
16164 SC	16164 SC NK	16164 SCGV	--	16.00 x 16.00 x 4.00	406 x 406 x 102	16	(C D E F G H I)	(C D E F G H I)	
18124 SC	18124 SC NK	18124 SCGV	18124 SCGV NK	18.00 x 12.00 x 4.00	457 x 305 x 102	16	(B C D E F G H I J)	(D E F G H)	
--	18154 SC NK	18154 SCGV	--	18.00 x 15.00 x 4.00	457 x 381 x 102	16	(B C D E F G H I J)	(C D E F G H I)	
18184 SC	18184 SC NK	18184 SCGV	18184 SCGV NK	18.00 x 18.00 x 4.00	457 x 457 x 102	16	(B C D E F G H I J)	(B C D E F G H I J)	
24124 SC	24124 SC NK	24124 SCGV	--	24.00 x 12.00 x 4.00	610 x 305 x 102	16	(B C D E F G H I J)	(D E F G H)	
--	24184 SC NK	24184 SCGV	--	24.00 x 18.00 x 4.00	610 x 457 x 102	16	(B C D E F G H I J)	(B C D E F G H I J)	
24244 SC	24244 SC NK	24244 SCGV	24244 SCGV NK	24.00 x 24.00 x 4.00	610 x 610 x 102	14	(B C D E F G H I J)	(B C D E F G H I J)	
--	30184 SC NK	30184 SCGV	30184 SCGV NK	30.00 x 18.00 x 4.00	762 x 457 x 102	16	(B C D E F G H I J)	(B C D E F G H I J)	
30244 SC	30244 SC NK	30244 SCGV	30244 SCGV NK	30.00 x 24.00 x 4.00	762 x 610 x 102	14	(B C D E F G H I J)	(B C D E F G H I J)	
-	30304 SC NK	-	30304 SCGV NK	30.00 x 30.00 x 4.00	762 x 762 x 102	12	--	--	



Conduit Sizes

Knockout Detail

Note: See table for applicable knockout pattern.

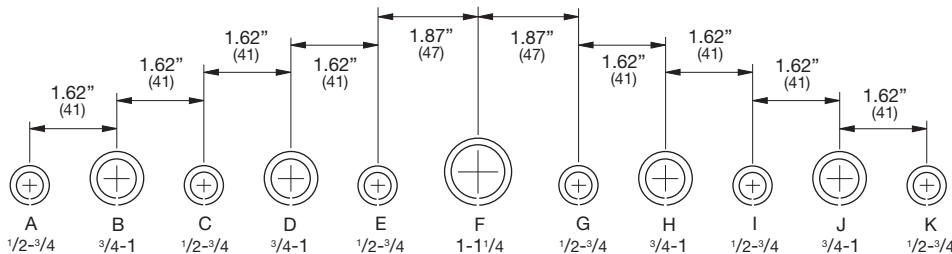
Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Type 1, 3, & 3R Enclosures

Junction Boxes Type 1 Screw Cover - Painted & Galvanized Catalog Number

Type 1, 3, & 3R Enclosures

Enclosure Catalog Number				Enclosure Size		Gauge	Knockout Pattern	Knockout Pattern
Painted		Galvanized		Height x Width x Depth				
KO	No KO	KO	No KO	in.	mm			
666 SC	666 SC NK	666 SCGV	666 SCGV NK	6.00 x 6.00 x 6.00	152 x 152 x 152	16	(C D E)	(C D E)
866 SC	866 SC NK	866 SCGV	866 SCGV NK	8.00 x 6.00 x 6.00	203 x 152 x 152	16	(G H I J)	(C D E)
886 SC	886 SC NK	886 SCGV	886 SCGV NK	8.00 x 8.00 x 6.00	203 x 203 x 152	16	(G H I J)	(G H I J)
1086 SC	1086 SC NK	1086 SCGV	1086 SCGV NK	10.00 x 8.00 x 6.00	254 x 203 x 152	16	(D E F G H)	(G H I J)
10106 SC	10106 SC NK	10106 SCGV	10106 SCGV NK	10.00 x 10.00 x 6.00	254 x 254 x 152	16	(D E F G H)	(D E F G H)
--	1266 SC NK	--	--	12.00 x 6.00 x 6.00	305 x 152 x 152	16	--	--
--	1286 SC NK	--	1286 SCGV NK	12.00 x 8.00 x 6.00	305 x 203 x 152	16	--	--
12106 SC	12106 SC NK	12106 SCGV	12106 SCGV NK	12.00 x 10.00 x 6.00	305 x 254 x 152	16	(D E F G H)	(D E F G H)
12126 SC	12126 SC NK	12126 SCGV	12126 SCGV NK	12.00 x 12.00 x 6.00	305 x 305 x 152	16	(D E F G H)	(D E F G H)
--	15156 SC NK	--	15156 SCGV NK	15.00 x 15.00 x 6.00	381 x 381 x 152	16	--	--
16126 SC	16126 SC NK	16126 SCGV	16126 SCGV NK	16.00 x 12.00 x 6.00	406 x 305 x 152	16	(C D E F G H I)	(D E F G H)
16166 SC	16166 SC NK	16166 SCGV	16166 SCGV NK	16.00 x 16.00 x 6.00	406 x 406 x 152	16	(C D E F G H I)	(B C D E F G H I J)
18126 SC	18126 SC NK	18126 SCGV	18126 SCGV NK	18.00 x 12.00 x 6.00	457 x 305 x 152	16	(B C D E F G H I J)	(D E F G H)
--	18156 SC NK	--	18156 SCGV NK	18.00 x 15.00 x 6.00	457 x 381 x 152	16	--	--
18186 SC	18186 SC NK	18186 SCGV	18186 SCGV NK	18.00 x 18.00 x 6.00	457 x 457 x 152	16	(B C D E F G H I J)	(B C D E F G H I J)
--	24126 SC NK	--	24126 SCGV NK	24.00 x 12.00 x 6.00	610 x 305 x 152	16	--	--
24186 SC	24186 SC NK	24186 SCGV	24186 SCGV NK	24.00 x 18.00 x 6.00	610 x 457 x 152	16	(B C D E F G H I J)	(B C D E F G H I J)
--	24206 SC NK	--	24206 SCGV NK	24.00 x 20.00 x 6.00	610 x 508 x 152	14	--	--
24246 SC	24246 SC NK	24246 SCGV	24246 SCGV NK	24.00 x 24.00 x 6.00	610 x 610 x 152	14	(B C D E F G H I J)	(B C D E F G H I J)
--	30186 SC NK	--	30186 SCGV NK	30.00 x 18.00 x 6.00	762 x 457 x 152	16	--	--
30246 SC	30246 SC NK	30246 SCGV	30246 SCGV NK	30.00 x 24.00 x 6.00	762 x 610 x 152	14	(B C D E F G H I J)	(B C D E F G H I J)
--	30306 SC NK	--	30306 SCGV NK	30.00 x 30.00 x 6.00	762 x 762 x 152	12	--	--
36246 SC	36246 SC NK	--	36246 SCGV NK	36.00 x 24.00 x 6.00	914 x 310 x 152	14	(B C D E F G H I J)	(B C D E F G H I J)
--	36306 SC NK	--	36306 SCGV NK	36.00 x 30.00 x 6.00	914 x 762 x 152	12	--	--
--	36366 SC NK	--	36366 SCGV NK	36.00 x 36.00 x 6.00	914 x 914 x 152	12	--	--
--	48366 SC NK	--	48366 SCGV NK	48.00 x 36.00 x 6.00	1219 x 914 x 152	12	--	--
--	48486 SC NK	--	48486 SCGV NK	48.00 x 48.00 x 6.00	1219 x 1219 x 152	12	--	--
888 SC	888 SC NK	888 SCGV	888 SCGV NK	8.00 x 8.00 x 8.00	203 x 203 x 203	16	(G H I J)	(G H I J)
--	10108 SC NK	--	10108 SCGV NK	10.00 x 10.00 x 8.00	254 x 254 x 203	16	--	--
12128 SC	12128 SC NK	--	12128 SCGV NK	12.00 x 12.00 x 8.00	305 x 305 x 203	16	(D E F G H)	(D E F G H)
16128 SC	16128 SC NK	--	16128 SCGV NK	16.00 x 12.00 x 8.00	406 x 305 x 203	16	(C D E F G H I)	(D E F G H)
18128 SC	18128 SC NK	--	18128 SCGV NK	18.00 x 12.00 x 8.00	457 x 305 x 203	16	(B C D E F G H I J)	(D E F G H)
18188 SC	18188 SC NK	--	18188 SCGV NK	18.00 x 18.00 x 8.00	457 x 457 x 203	16	(B C D E F G H I J)	(B C D E F G H I J)
24128 SC	24128 SC NK	--	24128 SCGV NK	24.00 x 12.00 x 8.00	610 x 305 x 203	16	(B C D E F G H I J)	(D E F G H)
24188 SC	24188 SC NK	--	24188 SCGV NK	24.00 x 18.00 x 8.00	610 x 457 x 203	16	(B C D E F G H I J)	(B C D E F G H I J)
--	24208 SC NK	--	24208 SCGV NK	24.00 x 20.00 x 8.00	610 x 508 x 203	14	--	--
24248 SC	24248 SC NK	--	24248 SCGV NK	24.00 x 24.00 x 8.00	610 x 610 x 203	14	(B C D E F G H I J)	(B C D E F G H I J)
30248 SC	30248 SC NK	30248 SCGV	30248 SCGV NK	30.00 x 24.00 x 8.00	762 x 610 x 203	14	(B C D E F G H I J)	(B C D E F G H I J)
--	30308 SC NK	--	30308 SCGV NK	30.00 x 30.00 x 8.00	762 x 762 x 203	12	--	--
36248 SC	36248 SC NK	--	36248 SCGV NK	36.00 x 24.00 x 8.00	914 x 610 x 203	14	(B C D E F G H I J)	(B C D E F G H I J)
--	36308 SC NK	--	36308 SCGV NK	36.00 x 30.00 x 8.00	914 x 762 x 203	14	--	--



Conduit Sizes Knockout Detail - Note: See table for applicable knockout pattern.

Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Type 1, 3, & 3R Enclosures

Junction Boxes Type 1 Screw Cover - Painted & Galvanized Catalog Number

Enclosure Catalog Number				Enclosure Size		Gauge	Knockout Pattern	Knockout Pattern		
Painted		Galvanized		Height x Width x Depth A x B x C					Each Side	Top & Bottom
KO	No KO	KO	No KO	in.	mm					
--	121210 SC NK	--	121210 SCGV NK	12.00 x 12.00 x 10.00	305 x 305 x 254	16	--	--		
181210 SC	181210 SC NK	--	181210 SCGV NK	18.00 x 12.00 x 10.00	457 x 305 x 254	16	ⓀⓁⓁⓁⓁⓁⓁⓁⓁⓁⓁ	ⓁⓁⓁⓁⓁⓁ		
181810 SC	181810 SC NK	--	181810 SCGV NK	18.00 x 18.00 x 10.00	457 x 457 x 254	16	ⓀⓁⓁⓁⓁⓁⓁⓁⓁⓁⓁ	ⓀⓁⓁⓁⓁⓁⓁⓁⓁⓁⓁ		
--	241210 SC NK	--	241210 SCGV NK	24.00 x 12.00 x 10.00	610 x 305 x 254	16	--	--		
241810 SC	241810 SC NK	--	241810 SCGV NK	24.00 x 18.00 x 10.00	610 x 457 x 254	16	ⓀⓁⓁⓁⓁⓁⓁⓁⓁⓁⓁ	ⓀⓁⓁⓁⓁⓁⓁⓁⓁⓁⓁ		
242410 SC	242410 SC NK	--	242410 SCGV NK	24.00 x 24.00 x 10.00	610 x 610 x 254	14	ⓀⓁⓁⓁⓁⓁⓁⓁⓁⓁⓁ	ⓀⓁⓁⓁⓁⓁⓁⓁⓁⓁⓁ		
--	302410 SC NK	--	302410 SCGV NK	30.00 x 24.00 x 10.00	762 x 610 x 254	14	--	--		
--	303010 SC NK	--	303010 SCGV NK	30.00 x 30.00 x 10.00	762 x 762 x 254	12	--	--		
--	362410 SC NK	--	362410 SCGV NK	36.00 x 24.00 x 10.00	914 x 610 x 254	14	--	--		
--	363610 SC NK	--	363610 SCGV NK	36.00 x 36.00 x 10.00	914 x 914 x 254	14	--	--		
--	121212 SC NK	--	121212 SCGV NK	12.00 x 12.00 x 12.00	305 x 305 x 305	16	--	--		
181812 SC	181812 SC NK	--	181812 SCGV NK	18.00 x 18.00 x 12.00	457 x 457 x 305	16	ⓀⓁⓁⓁⓁⓁⓁⓁⓁⓁⓁ	ⓀⓁⓁⓁⓁⓁⓁⓁⓁⓁⓁ		
241212 SC	241212 SC NK	--	241212 SCGV NK	24.00 x 12.00 x 12.00	610 x 305 x 305	16	ⓀⓁⓁⓁⓁⓁⓁⓁⓁⓁⓁ	ⓁⓁⓁⓁⓁⓁ		
241812 SC	241812 SC NK	--	241812 SCGV NK	24.00 x 18.00 x 12.00	610 x 457 x 305	16	ⓀⓁⓁⓁⓁⓁⓁⓁⓁⓁⓁ	ⓀⓁⓁⓁⓁⓁⓁⓁⓁⓁⓁ		
242412 SC	242412 SC NK	--	242412 SCGV NK	24.00 x 24.00 x 12.00	610 x 610 x 305	14	ⓀⓁⓁⓁⓁⓁⓁⓁⓁⓁⓁ	ⓀⓁⓁⓁⓁⓁⓁⓁⓁⓁⓁ		
302412 SC	302412 SC NK	--	302412 SCGV NK	30.00 x 24.00 x 12.00	762 x 610 x 305	14	ⓀⓁⓁⓁⓁⓁⓁⓁⓁⓁⓁ	ⓀⓁⓁⓁⓁⓁⓁⓁⓁⓁⓁ		
--	303012 SC NK	--	303012 SCGV NK	30.00 x 30.00 x 12.00	762 x 762 x 305	12	--	--		
362412 SC	362412 SC NK	--	362412 SCGV NK	36.00 x 24.00 x 12.00	914 x 610 x 305	14	ⓀⓁⓁⓁⓁⓁⓁⓁⓁⓁⓁ	ⓀⓁⓁⓁⓁⓁⓁⓁⓁⓁⓁ		
--	363612 SC NK	--	363612 SCGV NK	48.00 x 48.00 x 12.00	1219 x 1219 x 305	12	--	--		
--	484812 SC NK	--	484812 SCGV NK	48.00 x 48.00 x 12.00	1219 x 1219 x 305	12	--	--		
--	303016 SC NK	--	--	30.00 x 30.00 x 16.00	762 x 762 x 406	12	--	--		
--	363616 SC NK	--	363616 SCGV NK	48.00 x 48.00 x 16.00	1219 x 1219 x 406	12	--	--		
--	484816 SC NK	--	484816 SCGV NK	48.00 x 48.00 x 16.00	1219 x 1219 x 406	12	--	--		

Type 1, 3, & 3R Enclosures

Type 1 Flush & Surface Covers - Painted & Galvanized Catalog Number

Discount Schedule: A2
Subclass: ANO

Optional Flush Covers		Flush Cover Size		Fits Enclosure		Gauge	Replacement Surface Covers		Surface Cover Size		Fits Enclosure		Gauge
Catalog Number		in.	mm	A x B			Painted	Galvanized	in.	mm	A x B		
Painted	Galvanized			in.	mm						in.	mm	
44 SCF	--	5.50 x 5.50	140 x 140	4.00 x 4.00	102 x 102	16	--	--	--	--	--	--	--
66 SCF	--	7.50 x 7.50	191 x 191	6.00 x 6.00	152 x 152	16	66 SCS	--	6.09 x 6.09	155 x 155	6.00 x 6.00	152 x 152	16
86 SCF	--	9.50 x 7.50	241 x 191	8.00 x 6.00	203 x 152	16	--	--	--	--	--	--	--
88 SCF	--	9.50 x 9.50	241 x 241	8.00 x 8.00	203 x 203	16	88 SCS	--	8.09 x 8.09	205 x 205	8.00 x 8.00	203 x 203	16
108 SCF	--	11.50 x 9.50	292 x 241	10.00 x 8.00	254 x 203	16	--	--	--	--	--	--	--
1010 SCF	--	11.50 x 11.50	292 x 292	10.00 x 10.00	254 x 254	16	1010 SCS	--	10.09 x 10.09	256 x 256	10.00 x 10.00	254 x 254	16
128 SCF	--	13.50 x 11.50	343 x 241	12.00 x 8.00	305 x 203	16	--	--	--	--	--	--	--
1212 SCF	--	13.50 x 13.50	343 x 343	12.00 x 12.00	305 x 305	16	1212 SCS	--	12.09 x 12.09	307 x 307	12.00 x 12.00	305 x 305	16
1616 SCF	--	17.50 x 17.50	445 x 445	16.00 x 16.00	406 x 406	14	--	--	--	--	--	--	--
1812 SCF	--	19.50 x 13.50	495 x 343	18.00 x 12.00	457 x 305	14	--	--	--	--	--	--	--
1818 SCF	--	19.50 x 19.50	495 x 495	18.00 x 18.00	457 x 457	14	1818 SCS	--	18.09 x 18.09	459 x 459	18.00 x 18.00	457 x 457	16
2418 SCF	--	25.50 x 19.50	648 x 495	24.00 x 18.00	610 x 457	12	--	--	--	--	--	--	--
2424 SCF	--	25.50 x 24.50	648 x 622	24.00 x 24.00	610 x 610	12	2424 SCS	--	24.09 x 24.09	612 x 612	24.00 x 24.00	610 x 610	14

Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Type 1, 3, & 3R Enclosures

Junction Boxes Type 1 Hinge Cover

Data Sheet and Catalog Number



Type 1, 3, & 3R Enclosures

Application

- Used as wiring boxes, junction and pull boxes
- Protects against contact with enclosed equipment

Standards

- UL 50 listed, Type 1
- CSA C22.2 No. 40 certified, Type 1
- Conforms to NEMA standard for Type 1

Finish

- Wash and phosphate undercoat
- ANSI 61 gray acrylic electrocoat finish

Accessories

- Ground lug kit
- Touch-up paint
- See Accessories section

Construction

- Enclosure and cover are fabricated from (16) gauge steel
- Enclosure body has mounting holes on the back
- Enclosures are available with or without knockouts on the sides, top and bottom ends
- Removable cover is secured to the body with T-Slot hinges on one side and a friction dimple catch on the opposite side
- Cover is furnished with a recessed pull ring for opening convenience
- #10-32 tapped hole provision for optional ground lug kit

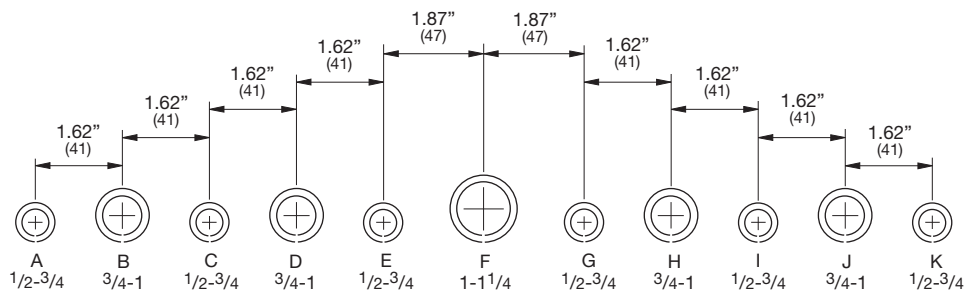
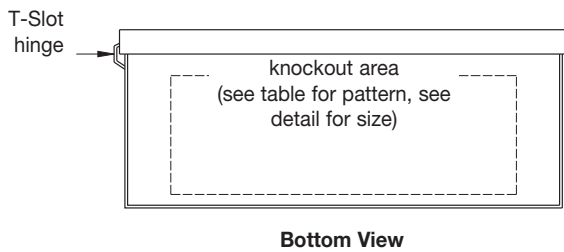
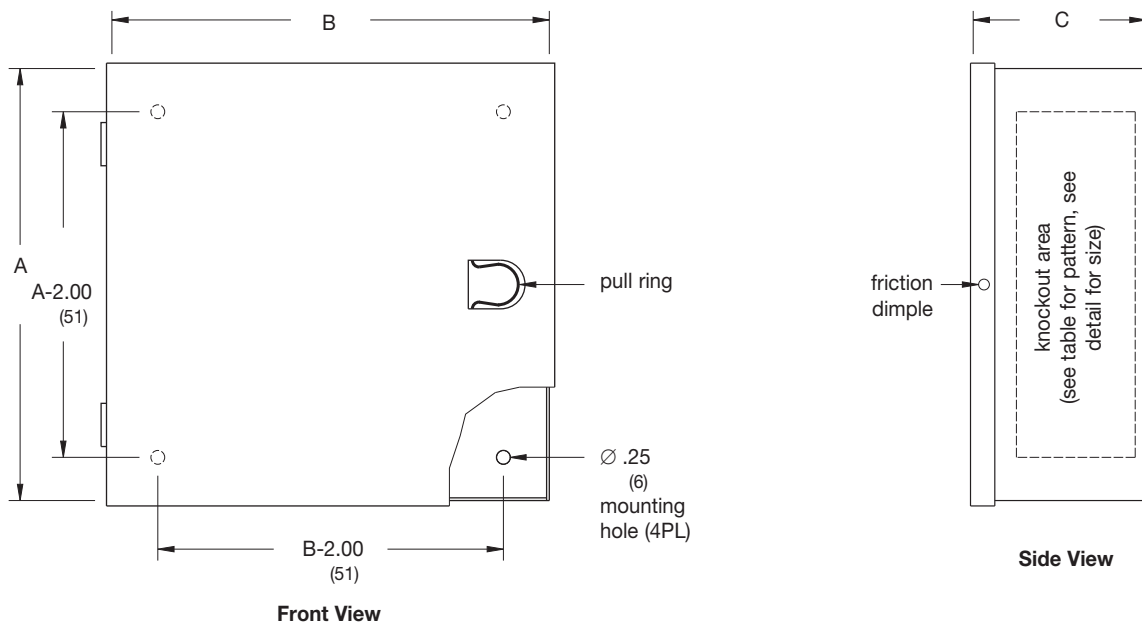
Discount Schedule: A2

Subclass: A00

Enclosure Catalog Number		Enclosure Size Height x Width x Depth A x B x C		Knockout Pattern	Knockout Pattern
KO	No KO	in.	mm	Each Side	Top & Bottom
664 HC	664 HC NK	6.00 x 6.00 x 4.00	152 x 152 x 102	CDE	CDE
864 HC	864 HC NK	8.00 x 6.00 x 4.00	203 x 152 x 102	GHIJ	CDE
884 HC	884 HC NK	8.00 x 8.00 x 4.00	203x x 203 x 102	GHIJ	GHIJ
1084 HC	1084 HC NK	10.00 x 8.00 x 4.00	254 x 203 x 102	DEFGH	GHIJ
10104 HC	10104 HC NK	10.00 x 10.00 x 4.00	254 x 254 x 102	DEFGH	DEFGH
1284 HC	1284 HC NK	12.00 x 8.00 x 4.00	305 x 203 x 102	DEFGH	GHIJ
12104 HC	12104 HC NK	12.00 x 10.00 x 4.00	305 x 254 x 102	DEFGH	DEFGH
12124 HC	12124 HC NK	12.00 x 12.00 x 4.00	305 x 305 x 102	DEFGH	DEFGH
18124 HC	18124 HC NK	18.00 x 12.00 x 4.00	457 x 305 x 102	BCDEFGHIJ	DEFGH
666 HC	666 HC NK	6.00 x 6.00 x 6.00	152 x 152 x 152	CDE	CDE
886 HC	886 HC NK	8.00 x 8.00 x 6.00	203 x 203 x 152	GHIJ	GHIJ
1086 HC	1086 HC NK	10.00 x 8.00 x 6.00	254 x 203 x 152	DEFGH	GHIJ
10106 HC	10106 HC NK	10.00 x 10.00 x 6.00	254 x 254 x 152	DEFGH	DEFGH
12106 HC	12106 HC NK	12.00 x 10.00 x 6.00	305 x 254 x 152	DEFGH	DEFGH
12126 HC	12126 HC NK	12.00 x 12.00 x 6.00	305 x 305 x 152	DEFGH	DEFGH
16126 HC	16126 HC NK	16.00 x 12.00 x 6.00	406 x 305 x 152	CDEFGHI	DEFGH
16166 HC	16166 HC NK	16.00 x 16.00 x 6.00	406 x 406 x 152	CDEFGHI	CDEFGHI
18126 HC	18126 HC NK	18.00 x 12.00 x 6.00	457 x 305 x 152	BCDEFGHIJ	DEFGH
18186 HC	18186 HC NK	18.00 x 18.00 x 6.00	457 x 457 x 152	BCDEFGHIJ	BCDEFGHIJ
24186 HC	24186 HC NK	24.00 x 18.00 x 6.00	610 x 457 x 152	BCDEFGHIJ	BCDEFGHIJ
24246 HC	24246 HC NK	24.00 x 24.00 x 6.00	610 x 610 x 152	BCDEFGHIJ	BCDEFGHIJ
30246 HC	30246 HC NK	30.00 x 24.00 x 6.00	762 x 610 x 152	BCDEFGHIJ	BCDEFGHIJ
36246 HC	36246 HC NK	36.00 x 24.00 x 6.00	914 x 610 x 152	BCDEFGHIJ	BCDEFGHIJ
36248 HC	36248 HC NK	36.00 x 24.00 x 8.00	914 x 610 x 203	BCDEFGHIJ	BCDEFGHIJ

Notes: Cooper B-Line can provide special sizes, finishes and other modifications. Consult the factory for your special requirements.
Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Junction Boxes Type 1 Hinge Cover Illustration Sheet



Knockout Detail

Note: See table for applicable knockout pattern.

Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Type 1, 3, & 3R Enclosures

Junction Boxes

Type 3R Screw Cover - Painted & Galvanized

Data and Illustration Sheet

Type 1, 3, & 3R Enclosures



Application

- Used as wiring boxes, junction and pull boxes
- Protects against falling rain, sleet and external ice formation

Standards

- UL 50 listed, Type 3R
- CSA C22.2 No. 40 certified, Type 3R
- Conforms to NEMA standard for Type 3R

Finish

- Wash and phosphate undercoat
- ANSI 61 gray acrylic electrocoat finish

Accessories

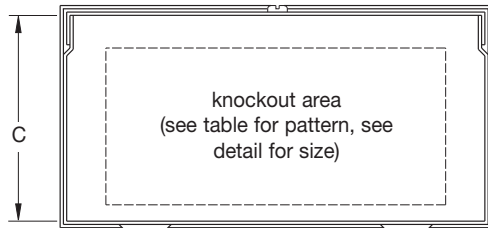
- Touch-up paint
- See Accessories section

Construction

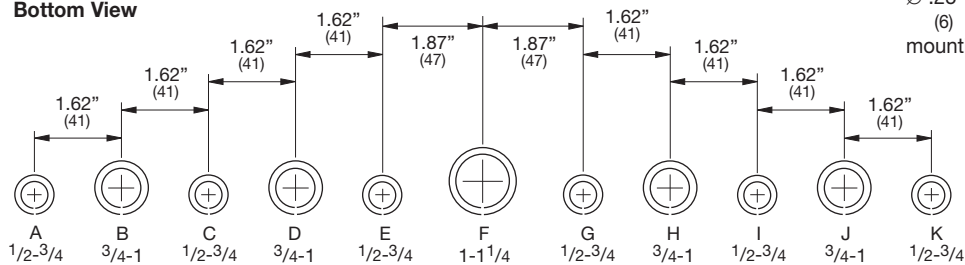
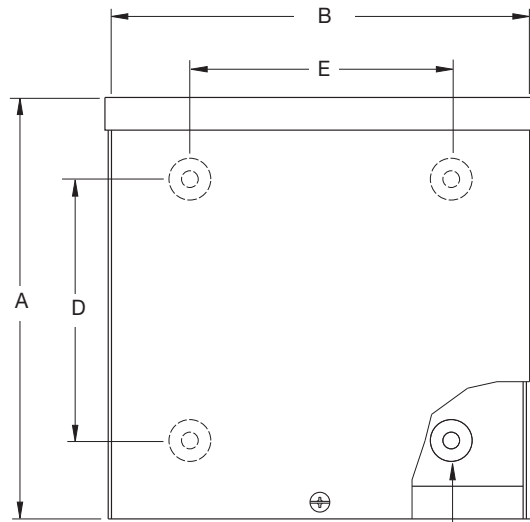
- Enclosure and cover are fabricated from code gauge galvaneal steel for painted or galvanized steel, (see table, page 57)
- Enclosure body has embossed mounting holes on the back
- Available with or without knockouts on the bottom end of enclosures less than 30 inches wide
- Cover is held secure by sliding it under the top end flange and fastening it with plated screws on the bottom end flange, (larger sizes use two studs and wing nuts)

Discount Schedule: A2

Subclass: AS0 & Z60



Bottom View



Conduit Sizes

Knockout Detail

Note: See table for applicable knockout pattern.

Notes: Cooper B-Line can provide special sizes, finishes and other modifications. Consult the factory for your special requirements. Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Type 1, 3, & 3R Enclosures

Junction Boxes - Type 3R Screw Cover - Painted & Galvanized Catalog Number

Type 1, 3, & 3R Enclosures

Enclosure Catalog Number				Enclosure Size Height x Width x Dept A x B x C		D		E		Gauge	Knockout Pattern Bottom
Painted		Galvanized		in.	mm	in.	mm	in.	mm		
KO	No KO	KO	No KO								
444 RTSC	444 RTSC NK	444 RTSCGV	--	4.00 x 4.00 x 4.00	102 x 102 x 102	1.50	38	1.81	46	16	C D
644 RTSC	644 RTSC NK	--	--	6.00 x 4.00 x 4.00	152 x 102 x 102	3.50	89	1.81	46	16	C D
664 RTSC	664 RTSC NK	664 RTSCGV	664 RTSCGV NK	6.00 x 6.00 x 4.00	152 x 152 x 102	3.50	89	3.81	97	16	C D E
864 RTSC	864 RTSC NK	--	--	8.00 x 6.00 x 4.00	203 x 152 x 102	5.50	140	3.81	97	16	C D E
884 RTSC	884 RTSC NK	884 RTSCGV	884 RTSCGV NK	8.00 x 8.00 x 4.00	203 x 203 x 102	5.50	140	5.81	148	16	G H I J
1084 RTSC	1084 RTSC NK	--	--	10.00 x 8.00 x 4.00	254 x 203 x 102	7.50	191	5.81	148	16	G H I J
10104 RTSC	10104 RTSC NK	10104 RTSCGV	10104 RTSCGV NK	10.00 x 10.00 x 4.00	254 x 254 x 102	7.50	191	7.81	198	16	D E F G H
1284 RTSC	1284 RTSC NK	--	--	12.00 x 8.00 x 4.00	305 x 203 x 102	9.50	241	5.81	148	16	G H I J
12104 RTSC	12104 RTSC NK	--	--	12.00 x 10.00 x 4.00	305 x 254 x 102	9.50	241	7.81	198	16	D E F G H
12124 RTSC	12124 RTSC NK	12124 RTSCGV	12124 RTSCGV NK	12.00 x 12.00 x 4.00	305 x 305 x 102	9.50	241	9.81	249	16	D E F G H
15124 RTSC	--	--	--	15.00 x 12.00 x 4.00	381 x 305 x 102	12.50	318	9.81	249	16	D E F G H
16124 RTSC	16124 RTSC NK	--	--	16.00 x 12.00 x 4.00	406 x 305 x 102	13.50	343	9.81	249	16	D E F G H
16164 RTSC	16164 RTSC NK	--	--	16.00 x 16.00 x 4.00	406 x 406 x 102	13.50	343	13.81	351	16	C D E F G H I
18124 RTSC	--	--	--	18.00 x 12.00 x 4.00	457 x 305 x 102	15.50	394	9.81	249	16	D E F G H
18184 RTSC	18184 RTSC NK	--	--	18.00 x 18.00 x 4.00	457 x 457 x 102	15.50	394	15.81	402	16	B C D E F G H I J
24244 RTSC	24244 RTSC NK	--	--	24.00 x 24.00 x 4.00	610 x 610 x 102	21.50	546	21.56	548	14	B C D E F G H I J
666 RTSC	666 RTSC NK	666 RTSCGV	666 RTSCGV NK	6.00 x 6.00 x 6.00	152 x 152 x 152	3.50	89	3.81	97	16	C D E
866 RTSC	866 RTSC NK	--	--	8.00 x 6.00 x 6.00	203 x 152 x 152	5.50	140	3.81	97	16	C D E
886 RTSC	886 RTSC NK	886 RTSCGV	886 RTSCGV NK	8.00 x 8.00 x 6.00	203 x 203 x 152	5.50	140	5.81	148	16	G H I J
1086 RTSC	1086 RTSC NK	--	--	10.00 x 8.00 x 6.00	254 x 203 x 152	7.50	191	5.81	148	16	G H I J
10106 RTSC	10106 RTSC NK	10106 RTSCGV	10106 RTSCGV NK	10.00 x 10.00 x 6.00	254 x 254 x 152	7.50	191	7.81	198	16	D E F G H
1286 RTSC	--	--	--	12.00 x 8.00 x 6.00	305 x 203 x 152	9.50	241	5.81	148	16	G H I J
12106 RTSC	12106 RTSC NK	--	--	12.00 x 10.00 x 6.00	305 x 254 x 152	9.50	241	7.81	198	16	D E F G H
12126 RTSC	12126 RTSC NK	12126 RTSCGV	12126 RTSCGV NK	12.00 x 12.00 x 6.00	305 x 305 x 152	9.50	241	9.81	249	16	D E F G H
16126 RTSC	16126 RTSC NK	--	--	16.00 x 12.00 x 6.00	406 x 305 x 152	13.50	343	9.81	249	16	D E F G H
16166 RTSC	16166 RTSC NK	--	--	16.00 x 16.00 x 6.00	406 x 406 x 152	13.50	343	13.81	351	16	C D E F G H I
18126 RTSC	18126 RTSC NK	--	18126 RTSCGV NK	18.00 x 12.00 x 6.00	457 x 305 x 152	15.50	394	9.81	249	16	D E F G H
18186 RTSC	18186 RTSC NK	18186 RTSCGV	18186 RTSCGV NK	18.00 x 18.00 x 6.00	457 x 457 x 152	15.50	394	15.81	402	16	B C D E F G H I J
24126 RTSC	24126 RTSC NK	--	--	24.00 x 12.00 x 6.00	610 x 305 x 152	21.50	546	9.81	249	16	D E F G H
24186 RTSC	24186 RTSC NK	--	--	24.00 x 18.00 x 6.00	610 x 457 x 152	21.50	546	15.81	402	16	B C D E F G H I J
24246 RTSC	24246 RTSC NK	--	24246 RTSCGV NK	24.00 x 24.00 x 6.00	610 x 610 x 152	21.50	546	21.56	548	14	B C D E F G H I J
--	36366 RTSC NK	--	--	36.00 x 36.00 x 6.00	914 x 914 x 152	33.50	851	33.56	852	12	--
10108 RTSC	10108 RTSC NK	--	10108 RTSCGV NK	10.00 x 10.00 x 8.00	254 x 254 x 203	7.50	191	7.81	198	16	D E F G H
12128 RTSC	12128 RTSC NK	--	12128 RTSCGV NK	12.00 x 12.00 x 8.00	305 x 305 x 203	9.50	241	9.81	249	16	D E F G H
18128 RTSC	18128 RTSC NK	--	--	18.00 x 12.00 x 8.00	457 x 305 x 203	15.50	394	9.81	249	16	D E F G H
18188 RTSC	18188 RTSC NK	--	18188 RTSCGV NK	18.00 x 18.00 x 8.00	457 x 457 x 203	15.50	394	15.81	402	16	B C D E F G H I J
24168 RTSC	24168 RTSC NK	--	--	24.00 x 16.00 x 8.00	610 x 406 x 203	21.50	546	13.81	351	16	C D E F G H I
24188 RTSC	24188 RTSC NK	--	--	24.00 x 18.00 x 8.00	610 x 457 x 203	21.50	546	15.81	402	16	B C D E F G H I J
24248 RTSC	24248 RTSC NK	--	24248 RTSCGV NK	24.00 x 24.00 x 8.00	610 x 610 x 203	21.50	546	21.56	548	14	B C D E F G H I J
--	36368 RTSC NK	--	--	36.00 x 36.00 x 8.00	914 x 914 x 203	35.50	851	33.56	852	12	--
121210 RTSC	121210 RTSC NK	--	--	12.00 x 12.00 x 10.00	305 x 305 x 254	9.50	241	9.81	249	16	D E F G H
181210 RTSC	--	--	--	18.00 x 12.00 x 10.00	457 x 305 x 254	15.50	394	9.81	249	16	D E F G H
181810 RTSC	181810 RTSC NK	--	--	18.00 x 18.00 x 10.00	457 x 457 x 254	15.50	394	15.81	402	16	B C D E F G H I J
241810 RTSC	241810 RTSC NK	--	--	24.00 x 18.00 x 10.00	610 x 457 x 254	21.50	546	15.81	402	16	B C D E F G H I J
242410 RTSC	242410 RTSC NK	--	242410 RTSCGV NK	24.00 x 24.00 x 10.00	610 x 610 x 254	21.50	546	21.56	548	14	B C D E F G H I J
302410 RTSC	302410 RTSC NK	--	--	30.00 x 24.00 x 10.00	762 x 610 x 254	27.50	699	21.56	548	14	B C D E F G H I J
--	303010 RTSC NK	--	--	30.00 x 30.00 x 10.00	762 x 762 x 254	27.50	699	27.56	700	12	--
242412 RTSC	242412 RTSC NK	--	242412 RTSCGV NK	24.00 x 24.00 x 12.00	610 x 610 x 305	21.50	546	21.56	548	14	B C D E F G H I J
302412 RTSC	302412 RTSC NK	--	--	30.00 x 24.00 x 12.00	762 x 610 x 305	27.50	699	21.56	548	14	B C D E F G H I J
--	303012 RTSC NK	--	--	30.00 x 30.00 x 12.00	762 x 762 x 305	27.50	699	27.56	700	14	--
362412 RTSC	362412 RTSC NK	--	--	36.00 x 24.00 x 12.00	914 x 610 x 305	33.50	851	21.56	548	14	B C D E F G H I J
--	363012 RTSC NK	--	--	36.00 x 30.00 x 12.00	914 x 762 x 305	33.50	851	27.56	700	12	--
--	363612 RTSC NK	--	363612 RTSCGV NK	36.00 x 36.00 x 12.00	914 x 914 x 305	33.50	851	33.56	852	12	--

Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Type 1, 3, & 3R Enclosures

Junction Boxes Type 3R Hinge Cover Data Sheet and Catalog Number

Type 1, 3, & 3R Enclosures



Application

- Used as wiring boxes, junction and pull boxes
- Protects against falling rain, sleet and external ice formation

Standards

- UL 50 listed, Type 3R
- CSA C22.2 No. 40 certified, Type 3R
- Conforms to NEMA standard for Type 3R

Finish

- Wash and phosphate undercoat
- ANSI 61 gray acrylic electrocoat finish

Accessories

- Touch-up paint
- See Accessories section

Construction

- Enclosure and door are fabricated from code gauge galvaneal steel, (see table)
- Enclosure body has embossed mounting holes on the back
- Available with or without knockouts on the bottom end of enclosures less than 30 inches wide
- Cover is secured to the top end with galvanized, detachable formed hinges on sizes up to and including 24188
- Cover can be held in the open position by sliding it into notches on body
- Cover has padlock hasp and sealing hole provisions at the bottom

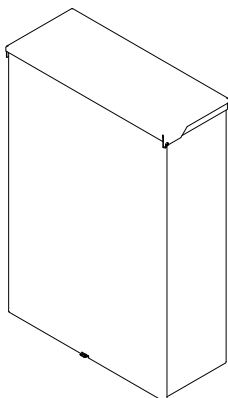
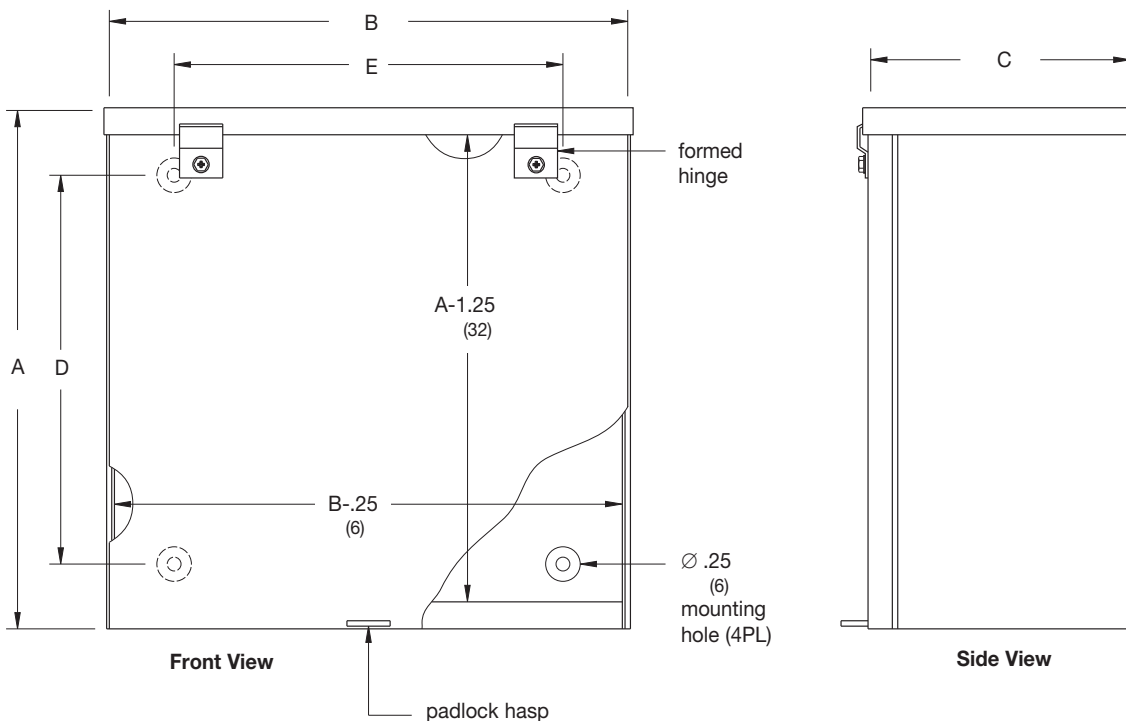
Discount Schedule: A2

Subclass: ATO

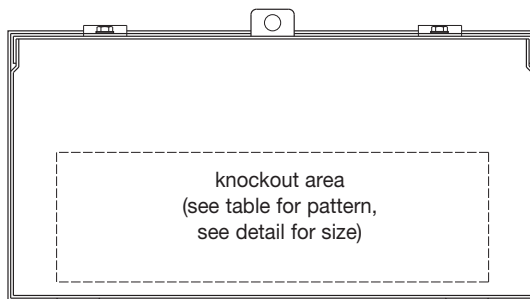
Enclosure Catalog Number		Enclosure Size				Gauge	Knockout Pattern		
KO	No KO	Height x Width x Depth		D	E				
		A x B x C							
		in.	mm	in.	mm	in.	mm	Bottom	
644 RTHC	644 RTHC NK	6.00 x 4.00 x 4.00	152 x 102 x 102	3.00	76	2.00	51	16	(C D)
664 RTHC	664 RTHC NK	6.00 x 6.00 x 4.00	152 x 152 x 102	3.00	76	4.00	102	16	(C D E)
864 RTHC	864 RTHC NK	8.00 x 6.00 x 4.00	203 x 152 x 102	5.00	127	4.00	102	16	(C D E)
884 RTHC	884 RTHC NK	8.00 x 8.00 x 4.00	203 x 203 x 102	5.00	127	5.00	127	16	(G H I J)
10104 RTHC	10104 RTHC NK	10.00 x 10.00 x 4.00	254 x 254 x 102	7.00	178	6.50	165	16	(D E F G H)
12124 RTHC	12124 RTHC NK	12.00 x 12.00 x 4.00	305 x 305 x 102	9.00	229	8.50	216	16	(D E F G H)
1286 RTHC	1286 RTHC NK	12.00 x 8.00 x 6.00	305 x 203 x 152	9.00	229	5.00	127	16	(G H I J)
12106 RTHC	12106 RTHC NK	12.00 x 10.00 x 6.00	305 x 254 x 152	9.00	229	6.50	165	16	(D E F G H)
12126 RTHC	12126 RTHC NK	12.00 x 12.00 x 6.00	305 x 305 x 152	9.00	229	8.50	216	16	(D E F G H)
18126 RTHC	18126 RTHC NK	18.00 x 12.00 x 6.00	457 x 305 x 152	15.00	381	8.50	216	16	(D E F G H)
12128 RTHC	12128 RTHC NK	12.00 x 12.00 x 8.00	305 x 305 x 203	9.00	229	8.50	216	16	(D E F G H)
18188 RTHC	18188 RTHC NK	18.00 x 18.00 x 8.00	457 x 457 x 203	15.00	381	14.50	368	16	(B C D E F G H I J)
24188 RTHC	24188 RTHC NK	24.00 x 18.00 x 8.00	610 x 457 x 203	21.00	533	14.50	368	16	(B C D E F G H I J)
24248 RTHC	24248 RTHC NK	24.00 x 24.00 x 8.00	610 x 610 x 203	21.00	533	19.50	495	14	(B C D E F G H I J)
242410 RTHC	242410 RTHC NK	24.00 x 24.00 x 10.00	610 x 610 x 254	21.00	533	20.00	508	14	(B C D E F G H I J)
362410 RTHC	362410 RTHC NK	36.00 x 24.00 x 10.00	914 x 610 x 254	33.00	838	20.00	508	14	(B C D E F G H I J)
-	363012 RTHC NK	36.00 x 30.00 x 12.00	914 x 762 x 305	33.00	838	26.00	508	12	--

Notes: Cooper B-Line can provide special sizes, finishes and other modifications. Consult the factory for your special requirements. Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

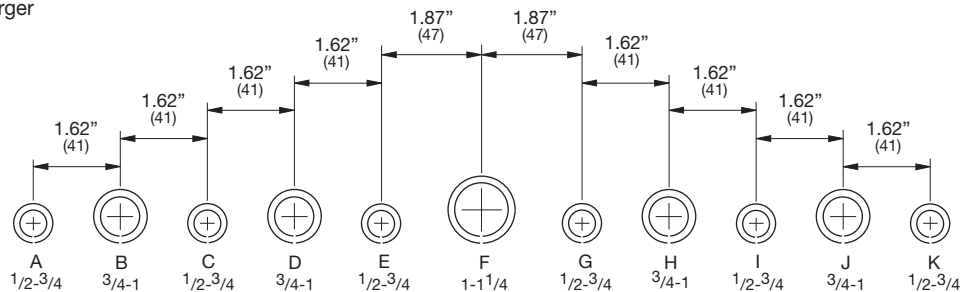
Junction Boxes Type 3R Hinge Cover Illustration Sheet



Cover Style on 24248 and larger



Bottom View



Conduit Sizes

Knockout Detail

Note: See table for applicable knockout pattern.

Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Type 1, 3, & 3R Enclosures

Junction Boxes Type 3 Screw Cover - Gasketed Data Sheet

Type 1, 3, & 3R Enclosures



Application

- Used as wiring boxes, junction and pull boxes
- Intended for indoor or outdoor use
- Protects against windblown dust, rain, sleet, external ice formation and dripping non-corrosive liquids

Standards

- UL 508 listed, Type 3 and Type 12
- Conforms to NEMA standard for Type 3 and Type 12

Finish

- Bright galvanized finish
- Zinc-rich coating over all external welds

Accessories

- Ground lug kit
- See Accessories section

Construction

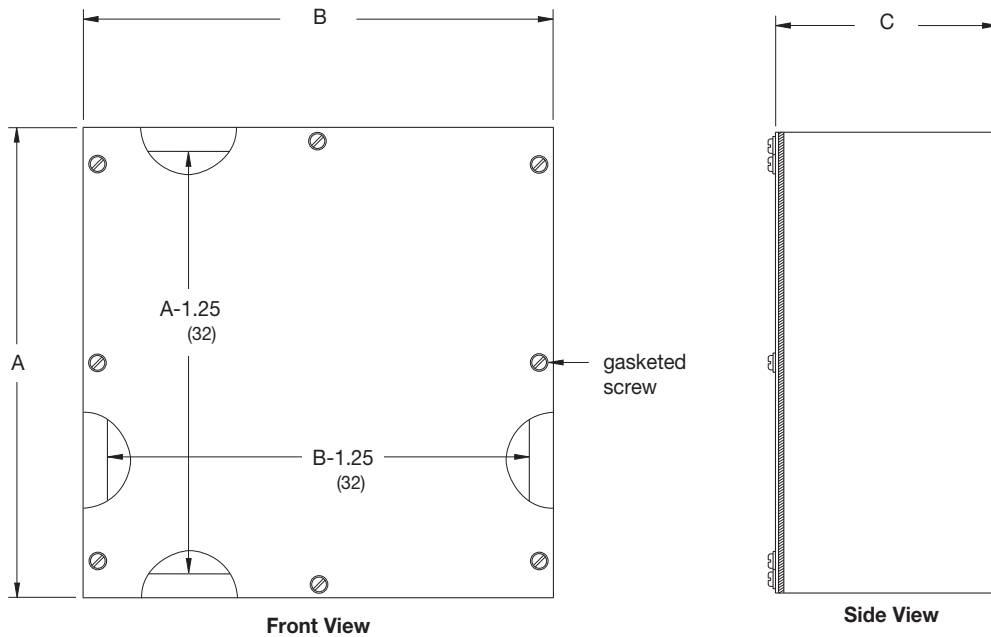
- Enclosure and cover are fabricated from code gauge G-90 grade galvanized steel, (see table, page 61)
- All continuous welded seams are finished smooth
- Enclosure standard without knockouts
- Cover is attached with gasketed screws
- Cover has a fixed, oil and water resistant gasket
- #10-32 weldnut is furnished for optional ground lug kit

Discount Schedule: A2

Subclass: ARO

Notes: Cooper B-Line can provide special sizes, finishes and other modifications. Consult the factory for your special requirements.

Junction Boxes Type 3 Screw Cover - Gasketed Illustration Sheet and Catalog Number



Type 1, 3, & 3R Enclosures

Enclosure Catalog Number	Enclosure Size Height x Width x Depth A x B x C		Body Gauge	Cover Gauge
	in.	mm		
444 SCG	4.00 x 4.00 x 4.00	102 x 102 x 102	14	14
664 SCG	6.00 x 6.00 x 4.00	152 x 152 x 102	14	14
864 SCG	8.00 x 6.00 x 4.00	203 x 152 x 102	14	12
884 SCG	8.00 x 8.00 x 4.00	203 x 203 x 102	14	12
1084 SCG	10.00 x 8.00 x 4.00	254 x 203 x 102	14	12
10104 SCG	10.00 x 10.00 x 4.00	254 x 254 x 102	14	12
12124 SCG	12.00 x 12.00 x 4.00	305 x 305 x 102	14	12
666 SCG	6.00 x 6.00 x 6.00	152 x 152 x 152	14	12
886 SCG	8.00 x 8.00 x 6.00	203 x 203 x 152	14	12
10106 SCG	10.00 x 10.00 x 6.00	254 x 254 x 152	14	12
12106 SCG	12.00 x 10.00 x 6.00	305 x 254 x 152	14	12
12126 SCG	12.00 x 12.00 x 6.00	305 x 305 x 152	14	12
16126 SCG	16.00 x 12.00 x 6.00	406 x 305 x 152	14	12
16166 SCG	16.00 x 16.00 x 6.00	406 x 406 x 152	14	10
18186 SCG	18.00 x 18.00 x 6.00	457 x 457 x 152	14	10
20166 SCG	20.00 x 16.00 x 6.00	508 x 406 x 152	14	10
24246 SCG	24.00 x 24.00 x 6.00	610 x 610 x 152	14	10
12128 SCG	12.00 x 12.00 x 8.00	305 x 305 x 203	14	10
20208 SCG	20.00 x 20.00 x 8.00	508 x 508 x 203	14	10
24208 SCG	24.00 x 20.00 x 8.00	610 x 508 x 203	14	10
24248 SCG	24.00 x 24.00 x 8.00	610 x 610 x 203	14	10
242412 SCG	24.00 x 24.00 x 12.00	610 x 610 x 305	14	10
303012 SCG	30.00 x 30.00 x 12.00	762 x 762 x 305	14	10
363612 SCG	36.00 x 36.00 x 12.00	914 x 914 x 305	14	10

Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Type 1, 3, & 3R Enclosures

Junction Boxes Type 3 Weatherproof Screw Cover Data Sheet

Type 1, 3, & 3R Enclosures



Application

- Used as wiring boxes, junction and pull boxes
- Protects against windblown dust, rain, sleet and external ice formation

Standards

- UL 50 listed, Type 3 and Type 12, (unless noted)
- CSA C22.2 No. 40 certified, Type 3 and Type 12
- Conforms to NEMA standard for Type 3 and Type 12

Finish

- Wash and phosphate undercoat
- ANSI 61 gray polyester powder finish

Accessories

- Ground lug kit
- Touch-up paint
- See Accessories section

Construction

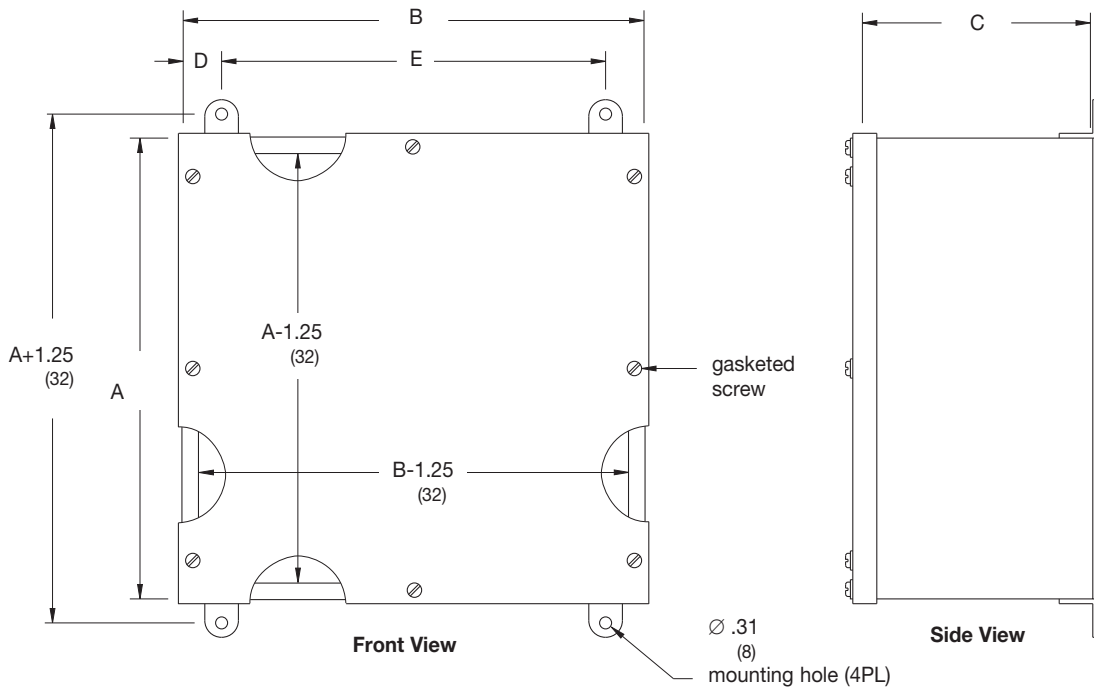
- Enclosure and door are fabricated from code gauge steel, (see table, page 63)
- All continuous welded seams are finished smooth
- Enclosure standard without knockouts
- Cover is attached with gasketed screws
- Cover has flanged sides which secure a fixed, water and ice-resistant gasket
- #10-32 weld stud is furnished for optional ground lug kit
- External mounting feet are provided for secure wall mounting

Discount Schedule: A2

Subclass: ARO

Notes: Cooper B-Line can provide special sizes, finishes and other modifications. Consult the factory for your special requirements.

Junction Boxes Type 3 Weatherproof Screw Cover Illustration Sheet and Catalog Number



Type 1, 3, & 3R Enclosures

Enclosure Catalog Number	Enclosure Size Height x Width x Depth A x B x C		D		E		Gauge
	in.	mm	in.	mm	in.	mm	
444 WPSC*	4.00 x 4.00 x 4.00	102 x 102 x 102	2.00	51	-	-	16
644 WPSC*	6.00 x 4.00 x 4.00	152 x 102 x 102	2.00	51	-	-	16
664 WPSC	6.00 x 6.00 x 4.00	152 x 152 x 102	1.00	25	4.00	102	16
864 WPSC	8.00 x 6.00 x 4.00	203 x 152 x 102	1.00	25	4.00	102	16
884 WPSC	8.00 x 8.00 x 4.00	203 x 203 x 102	1.00	25	6.00	152	16
1084 WPSC	10.00 x 8.00 x 4.00	254 x 203 x 102	1.00	25	6.00	152	16
10104 WPSC	10.00 x 10.00 x 4.00	254 x 254 x 102	1.00	25	8.00	203	16
12124 WPSC	12.00 x 12.00 x 4.00	305 x 305 x 102	1.00	25	10.00	254	16
18184 WPSC	18.00 x 18.00 x 4.00	457 x 457 x 102	1.00	25	16.00	406	16
666 WPSC	6.00 x 6.00 x 6.00	152 x 152 x 152	1.00	25	4.00	102	16
886 WPSC	8.00 x 8.00 x 6.00	203 x 203 x 152	1.00	25	6.00	152	16
10106 WPSC	10.00 x 10.00 x 6.00	254 x 254 x 152	1.00	25	8.00	203	16
1286 WPSC	12.00 x 8.00 x 6.00	305 x 203 x 152	1.00	25	6.00	152	16
12126 WPSC	12.00 x 12.00 x 6.00	350 x 305 x 152	1.00	25	10.00	254	16
16126 WPSC	16.00 x 12.00 x 6.00	381 x 305 x 152	1.00	25	10.00	254	16
18126 WPSC	18.00 x 12.00 x 6.00	457 x 305 x 152	1.00	25	10.00	254	16
18186 WPSC	18.00 x 18.00 x 6.00	457 x 457 x 152	1.00	25	16.00	406	16
24186 WPSC	24.00 x 18.00 x 6.00	610 x 457 x 152	1.00	25	16.00	406	16
24246 WPSC	24.00 x 24.00 x 6.00	610 x 610 x 152	1.00	25	22.00	559	14
12128 WPSC	12.00 x 12.00 x 8.00	305 x 305 x 203	1.00	25	10.00	254	16
18188 WPSC	18.00 x 18.00 x 8.00	457 x 457 x 203	1.00	25	16.00	406	16
24248 WPSC	24.00 x 24.00 x 8.00	610 x 610 x 203	1.00	25	22.00	559	14
302410 WPSC	30.00 x 24.00 x 10.00	762 x 610 x 254	1.00	25	22.00	559	14

* UL 508 listed, Type 3 and Type 12

Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Type 1, 3, & 3R Enclosures

Panel Enclosures Type 1 Small Data Sheet

Type 1, 3, & 3R Enclosures



Application

- Houses electrical controls and instruments in an environment which does not require oil or dust tight specifications
- Protects against contact with enclosed equipment

Standards

- UL 50 listed, Type 1
- CSA C22.2 No. 40 certified, Type 1
- Conforms to NEMA standard for Type 1

Finish

- Wash and phosphate undercoat
- ANSI 61 gray polyester powder finish

Accessories

- Panels
- Terminal blocks
- Type 1 flush lock
- Touch-up paint
- #8-32 self tapping screw (10168)
- See Accessories section

Construction

- Enclosure and cover are fabricated from (16) gauge steel
- Enclosure body has mounting holes on the back which are accessible with or without the optional panel installed
- Cover is secured to the body with a continuous hinge on one side and flush latch on the opposite side
- Flush latch is designed to operate with either coin or screwdriver
- #10-32 provisions for mounting optional panel
- No knockouts

Discount Schedule: C2

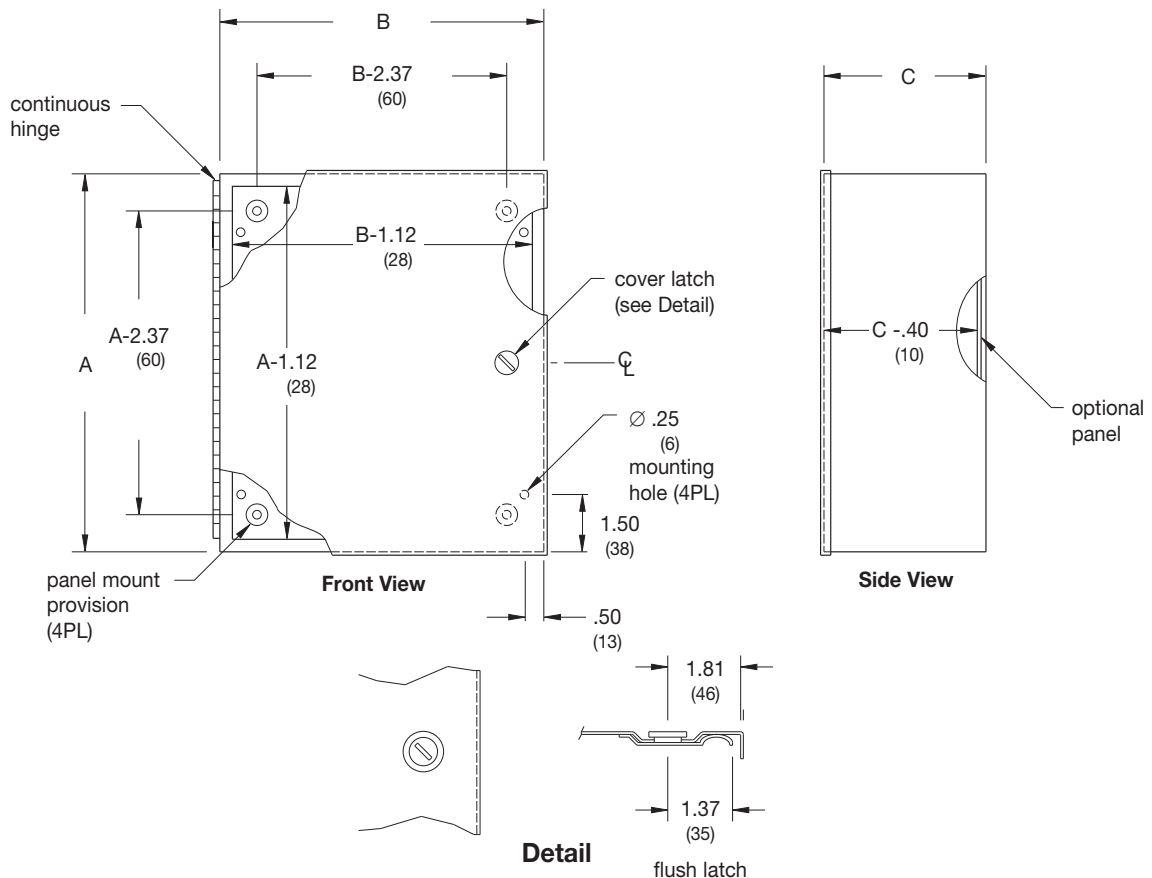
Subclass: D70

Notes: Cooper B-Line can provide special sizes, finishes and other modifications. Consult the factory for your special requirements.

Panel Enclosures Type 1 Small Illustration Sheet and Catalog Number

Enclosure Catalog Number	Enclosure Size Height x Width x Depth A x B x C		Panel Catalog Number		Panel Size	
	in.	mm	Solid	Perforated	Height in.	Width mm
664-1	6.00 x 6.00 x 4.00	152 x 152 x 102	N66P	N66PP	4.25 x 4.25	108 x 108
864-1	8.00 x 6.00 x 4.00	203 x 152 x 102	N86P	N86PP	6.25 x 4.25	159 x 108
884-1	8.00 x 8.00 x 4.00	203 x 203 x 102	N88P	N88PP	6.25 x 6.25	159 x 159
1084-1	10.00 x 8.00 x 4.00	254 x 203 x 102	N108P	N108PP	8.25 x 6.25	210 x 159
10104-1	10.00 x 10.00 x 4.00	254 x 254 x 102	N1010P	N1010PP	8.25 x 8.25	210 x 210
12104-1	12.00 x 10.00 x 4.00	305 x 254 x 102	N1210P	N1210PP	10.25 x 8.25	260 x 210
12124-1	12.00 x 12.00 x 4.00	305 x 305 x 102	N1212P	N1212PP	10.25 x 10.25	260 x 260
14124-1	14.00 x 12.00 x 4.00	356 x 305 x 102	N1412P	N1412PP	12.25 x 10.25	311 x 260
866-1	8.00 x 6.00 x 6.00	203 x 152 x 152	N86P	N86PP	6.25 x 4.25	159 x 108
886-1	8.00 x 8.00 x 6.00	203 x 203 x 152	N88P	N88PP	6.25 x 6.25	159 x 159
1086-1	10.00 x 8.00 x 6.00	254 x 203 x 152	N108P	N108PP	8.25 x 6.25	210 x 159
10106-1	10.00 x 10.00 x 6.00	254 x 254 x 152	N1010P	N1010PP	8.25 x 8.25	210 x 210
12106-1	12.00 x 10.00 x 6.00	305 x 254 x 152	N1210P	N1210PP	10.25 x 8.25	260 x 210
12126-1	12.00 x 12.00 x 6.00	305 x 305 x 152	N1212P	N1212PP	10.25 x 10.25	260 x 260
14126-1	14.00 x 12.00 x 6.00	356 x 305 x 152	N1412P	N1412PP	12.25 x 10.25	311 x 260
20126-1	20.00 x 12.00 x 6.00	508 x 305 x 152	N2012P	N2012PP	18.25 x 10.25	464 x 260
12128-1	12.00 x 12.00 x 8.00	305 x 305 x 203	N1212P	N1212PP	10.25 x 10.25	260 x 260
14128-1	14.00 x 12.00 x 8.00	356 x 305 x 203	N1412P	N1412PP	12.25 x 10.25	311 x 260

Type 1, 3, & 3R Enclosures



Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Type 1, 3, & 3R Enclosures

Panel Enclosures Type 1 Medium Data and Illustration Sheet

Type 1, 3, & 3R Enclosures



Application

- Houses electrical controls and instruments in an environment which does not require oil and dust tight specifications
- Protects against contact with enclosed equipment

Standards

- UL 50 listed, Type 1
- CSA C22.2 No. 40 certified, Type 1
- Conforms to NEMA standard for Type 1

Finish

- Wash and phosphate undercoat
- ANSI 61 gray polyester powder finish
- Optional panels have a white polyester powder finish

Accessories

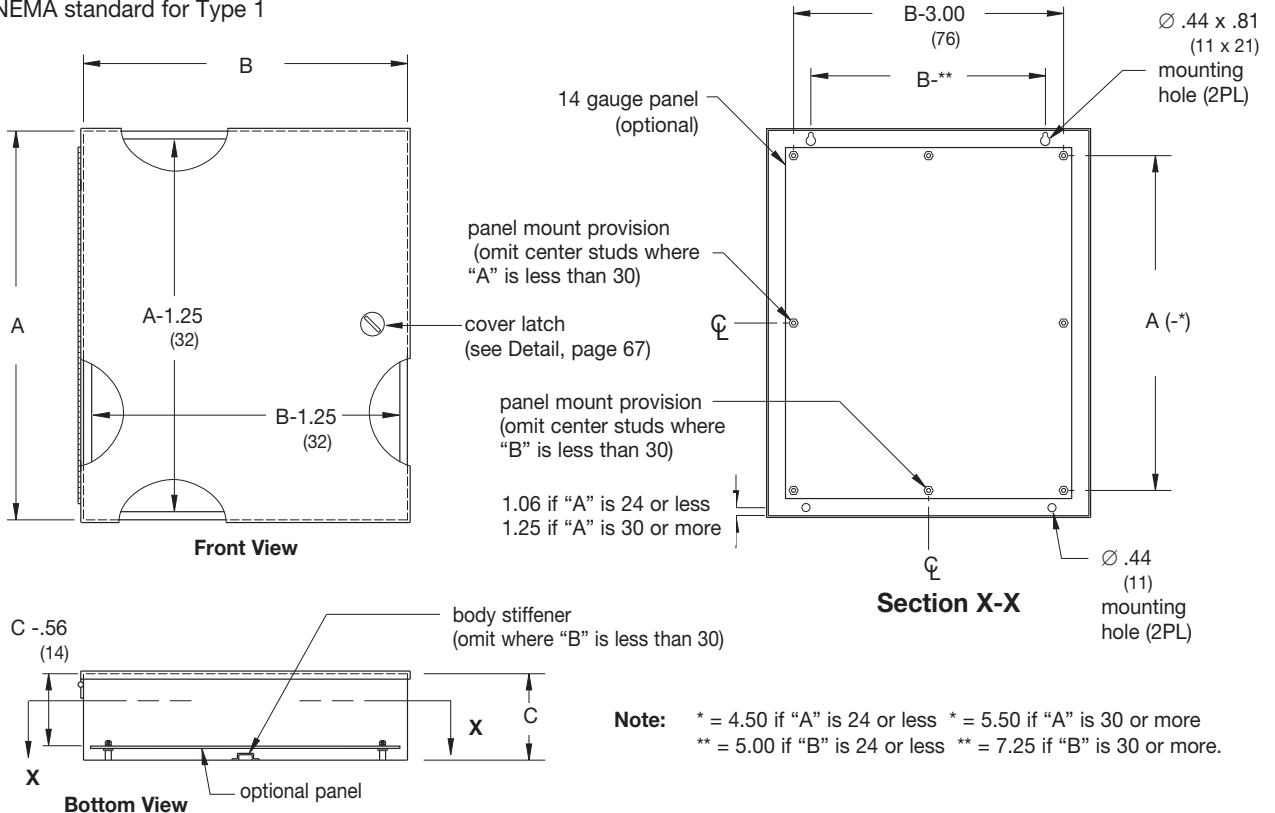
- Panels
- Terminal blocks
- Type 1 flush lock
- Type 1 security latch inserts
- Touch-up paint
- See Accessories section
- #8-32 self tapping screw (10168)

Construction

- Enclosure and door are fabricated from code gauge steel, (see table, page 67)
- Enclosure body has mounting holes on the back which are accessible with or without the optional panel installed
- Door is secured to the body with a continuous hinge on one side and a flush latch mounted to the opposite side
- Flush latch is designed to operate with either coin or screwdriver
- .375-16 provisions for mounting optional panel
- No knockouts

Discount Schedule: C2

Subclass: D80

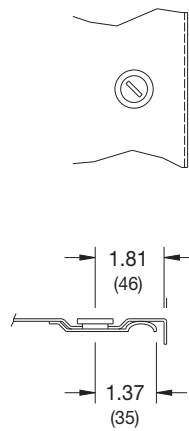


Notes: Cooper B-Line can provide special sizes, finishes and other modifications. Consult the factory for your special requirements. Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Panel Enclosures Type 1 Medium Illustration Sheet and Catalog Number

Enclosure Catalog Number	Enclosure Size Height x Width x Depth		Gauge	Panel Catalog Number A x B x C		Panel Size	
	in.	mm		Solid	Perforated	Height in.	Width mm
16126-1	16.00 x 12.00 x 6.62	406 x 305 x 168	16	AW1612-1P	AW1612-1PP	13.00 x 10.50	330 x 267
16166-1	16.00 x 16.00 x 6.62	406 x 406 x 168	16	AW1616-1P	AW1616-1PP	13.00 x 14.50	330 x 368
16206-1	16.00 x 20.00 x 6.62	406 x 508 x 168	16	AW1620-1P	AW1620-1PP	13.00 x 18.50	330 x 470
20166-1	20.00 x 16.00 x 6.62	508 x 406 x 168	16	AW2016-1P	AW2016-1PP	17.00 x 14.50	432 x 368
20206-1	20.00 x 20.00 x 6.62	508 x 508 x 168	14	AW2020-1P	AW2020-1PP	17.00 x 18.50	432 x 470
24166-1	24.00 x 16.00 x 6.62	610 x 406 x 168	14	AW2416-1P	AW2416-1PP	21.00 x 14.50	533 x 368
24206-1	24.00 x 20.00 x 6.62	610 x 508 x 168	14	AW2420-1P	AW2420-1PP	21.00 x 18.50	533 x 470
24246-1	24.00 x 24.00 x 6.62	610 x 610 x 168	14	AW2424-1P	AW2424-1PP	21.00 x 22.50	533 x 572
30206-1	30.00 x 20.00 x 6.62	762 x 508 x 168	14	AW3020-1P	AW3020-1PP	26.00 x 18.50	660 x 470
30246-1	30.00 x 24.00 x 6.62	762 x 610 x 168	14	AW3024-1P	AW3024-1PP	26.00 x 22.50	660 x 572
36246-1	36.00 x 24.00 x 6.62	914 x 610 x 168	14	AW3624-1P	AW3624-1PP	32.00 x 22.50	813 x 572
36306-1	36.00 x 30.00 x 6.62	914 x 762 x 168	14	AW3630-1P	AW3630-1PP	32.00 x 28.50	813 x 724
16128-1	16.00 x 12.00 x 8.62	406x x 305 x 219	16	AW1612-1P	AW1612-1PP	13.00 x 10.50	330 x 267
20168-1	20.00 x 16.00 x 8.62	508 x 406 x 219	16	AW2016-1P	AW2016-1PP	17.00 x 14.50	432 x 368
20208-1	20.00 x 20.00 x 8.62	508 x 508 x 219	14	AW2020-1P	AW2020-1PP	17.00 x 18.50	432 x 470
20248-1	20.00 x 24.00 x 8.62	508 x 610 x 219	14	AW2024-1P	AW2024-1PP	17.00 x 22.50	432 x 572
24208-1	24.00 x 20.00 x 8.62	610 x 508 x 219	14	AW2420-1P	AW2420-1PP	21.00 x 18.50	533 x 470
24248-1	24.00 x 24.00 x 8.62	610 x 610 x 219	14	AW2424-1P	AW2424-1PP	21.00 x 22.50	533 x 572
30208-1	30.00 x 20.00 x 8.62	762 x 508 x 219	14	AW3020-1P	AW3020-1PP	26.00 x 18.50	660 x 470
30248-1	30.00 x 24.00 x 8.62	762 x 610 x 219	14	AW3024-1P	AW3024-1PP	26.00 x 22.50	660 x 572
30308-1	30.00 x 30.00 x 8.62	762 x 762 x 219	14	AW3030-1P	AW3030-1PP	26.00 x 28.50	660 x 724
36248-1	36.00x24.00x8.62	914 x 610 x 219	14	AW3624-1P	AW3624-1PP	32.00 x 22.50	813 x 572
36308-1	36.00x30.00x8.62	914 x 762 x 219	14	AW3630-1P	AW3630-1PP	32.00 x 28.50	813 x 724
42248-1	42.00x24.00x8.62	1067 x 610 x 219	14	AW4224-1P	AW4224-1PP	38.00 x 22.50	965 x 572
242010-1	24.00x20.00x10.62	610 x 508 x 270	14	AW2420-1P	AW2420-1PP	21.00 x 18.50	533 x 470
302410-1	30.00x24.00x10.62	762 x 610 x 270	14	AW3024-1P	AW3024-1PP	26.00 x 22.50	660 x 572
242012-1	24.00x20.00x12.62	610 x 508 x 321	14	AW2420-1P	AW2420-1PP	21.00 x 18.50	533 x 470
242412-1	24.00x24.00x12.62	610 x 610 x 321	14	AW2424-1P	AW2424-1PP	21.00 x 22.50	533 x 572
302412-1	30.00x24.00x12.62	762 x 610 x 321	14	AW3024-1P	AW3024-1PP	26.00 x 22.50	660 x 572
363012-1	36.00x30.00x12.62	914 x 762 x 321	14	AW3630-1P	AW3630-1PP	32.00 x 28.50	813 x 724

Type 1, 3, & 3R Enclosures



flush latch

Detail

Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Type 1, 3, & 3R Enclosures

Panel Enclosures Type 1 Large Data Sheet

Type 1, 3, & 3R Enclosures



Application

- Houses electrical controls and instruments in an environment which does not require oil and dust tight specifications
- Protects against contact with enclosed equipment

Standards

- UL 50 Listed, Type 1
- CSA C22.2 No. 40 certified, Type 1
- Conforms to NEMA Standard for Type 1

Finish

- Wash and phosphate undercoat
- ANSI 61 gray polyester powder finish
- Optional panels have a white polyester powder finish

Accessories

- Panels
- Terminal blocks
- Type 1 flush lock
- Swing panel kits
- Window kits
- Touch-up paint

Construction

- Enclosure and door are fabricated from (14) gauge steel
- Enclosure body has mounting holes on the back which are accessible with or without the optional panel installed
- Door is secured to the body with a heavy-duty continuous hinge on one side and slotted flush latches on the opposite side
- Body has stiffener for extra rigidity
- Slotted flush latch is designed to operate with either a coin or a screwdriver
- .375-16 provisions for mounting optional panels
- No knockouts

Discount Schedule: C2

Subclass: D80

Notes: Cooper B-Line can provide special sizes, finishes and other modifications. Consult the factory for your special requirements.

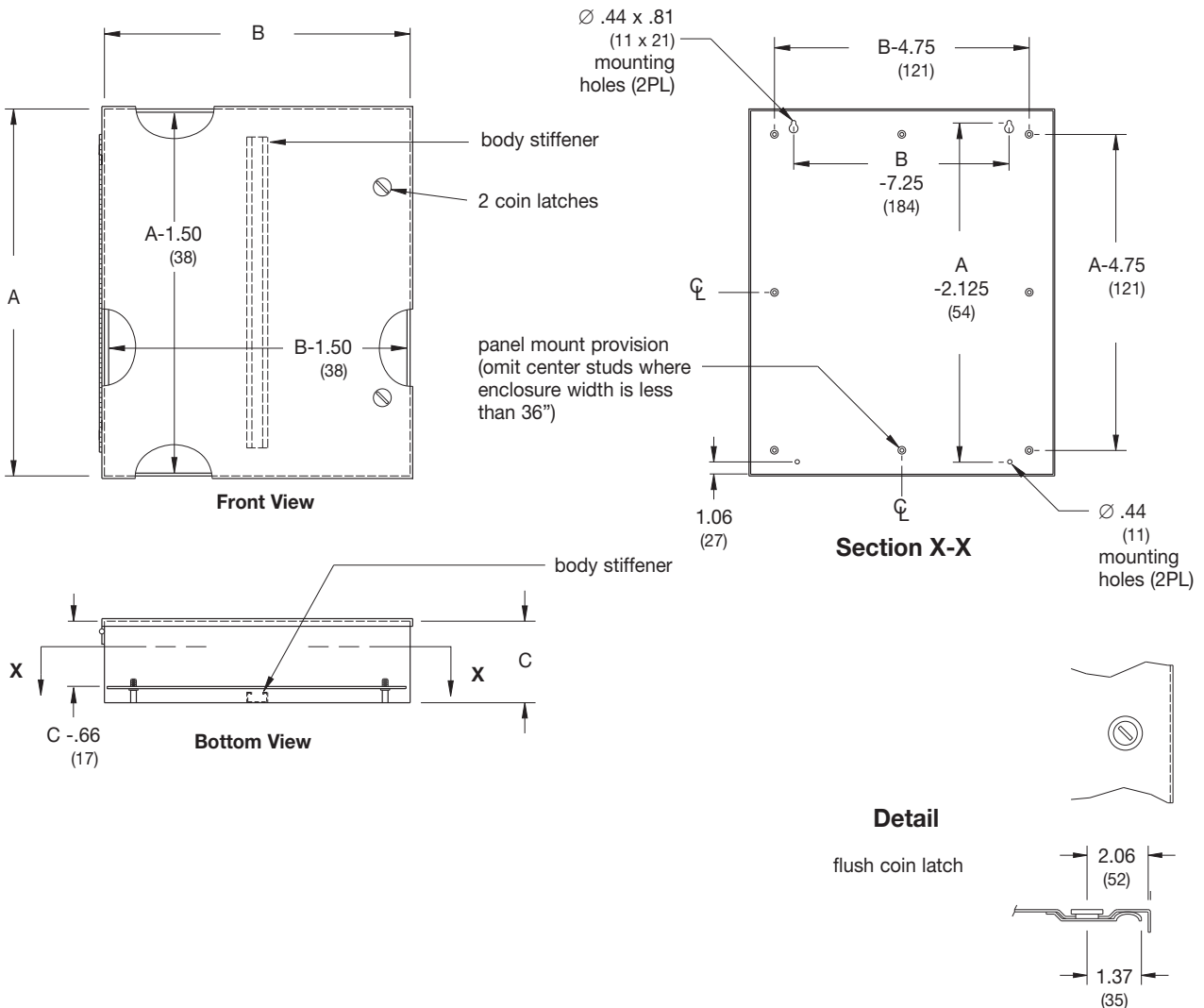
Panel Enclosures

Type 1 Large

Illustration Sheet and Catalog Number

Enclosure Catalog Number	Enclosure Size Height x Width x Depth A x B x C		Panel Catalog Number	Panel Size Height x Width	
	in.	mm		in.	mm
42309-1	42.00 x 30.00 x 9.25	1067 x 762 x 235	AW4230P	38.87 x 26.87	987 x 682
42369-1	42.00 x 36.00 x 9.25	1067 x 914 x 235	AW4236P	38.87 x 32.87	987 x 835
48369-1	48.00 x 36.00 x 9.25	1219 x 914 x 235	AW4836P	44.87 x 32.87	1140 x 835
483611-1	48.00 x 36.00 x 11.25	1219 x 914 x 286	AW4836P	44.87 x 32.87	1140 x 835
423013-1	42.00 x 30.00 x 13.25	1067 x 762 x 337	AW4230P	38.87 x 26.87	987 x 682
423613-1	42.00 x 36.00 x 13.25	1067 x 914 x 337	AW4236P	38.87 x 32.87	987 x 835
483613-1	48.00 x 36.00 x 13.25	1219 x 914 x 337	AW4836P	44.87 x 32.87	1140 x 835
483617-1	48.00 x 36.00 x 17.25	1219 x 914 x 438	AW4836P	44.87 x 32.87	1140 x 835

Type 1, 3, & 3R Enclosures



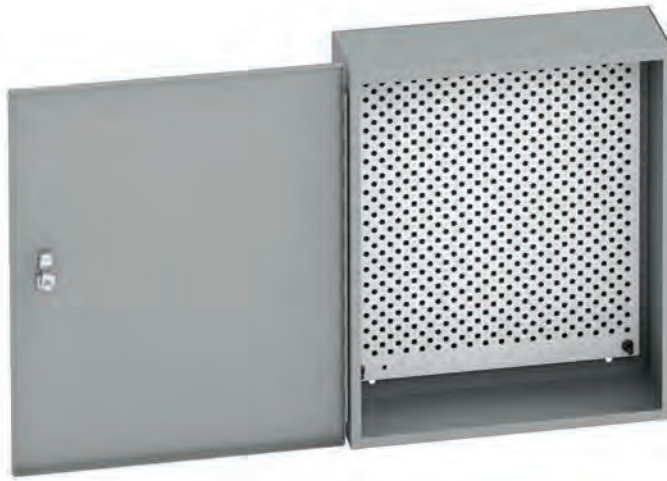
Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Type 1, 3, & 3R Enclosures

Panel Enclosures

Type 1 Locking Hinge Cover With Perforated Panel

Data Sheet and Catalog Number



Type 1, 3, & 3R Enclosures

Application

- Houses electrical and electronic controls and instruments in an environment which does not require oil, dust, or water tight specifications
- Protects against contact with enclosed equipment

Standards

- UL 50 listed, Type 1
- CSA C22.2 No. 40 certified, Type 1
- Conforms to NEMA standard for Type 1

Finish

- Wash and phosphate undercoat
- ANSI 61 gray acrylic electro-coat finish

Accessories

- Touch-up paint (84034)
- Self-tapping screws (10168)

Construction

- Covers and bodies are fabricated from code gauge steel (see below)
- Includes panel grounding hardware kit
- Cover has keyed quarter-turn lock, two (2) keys are included
- Includes removable 16 gauge white perforated panel
- Enclosure body has mounting holes on the back which are accessible with or without the panel installed
- Cover is secured to the body with a continuous hinge on one side and a flush latch on the opposite side

Discount Schedule: C2

Subclass: D85

Catalog Number	Height x Depth x Length A x B x C		Gauge		Perforated Panel Size	
	in.	mm	in.	mm	in.	mm
12126-1PP	12.00 x 12.00 x 6.00	305 x 305 x 152	16	1.4	10.25 x 10.25	260.3 x 260.3
16126-1PP	16.00 x 12.00 x 6.00	406 x 305 x 152	16	1.4	13.00 x 10.50	260.3 x 260.3
20166-1PP	20.00 x 16.00 x 6.00	508 x 406 x 152	16	1.4	17.00 x 14.50	431.8 x 368.3
24206-1PP	24.00 x 20.00 x 6.00	610 x 508 x 152	14	1.9	21.00 x 18.50	533.4 x 469.9
36246-1PP	36.00 x 24.00 x 6.00	914 x 610 x 152	14	1.9	32.00 x 22.50	812.8 x 571.5
36306-1PP	36.00 x 30.00 x 6.00	914 x 762 x 152	14	1.9	32.00 x 28.50	812.8 x 723.9

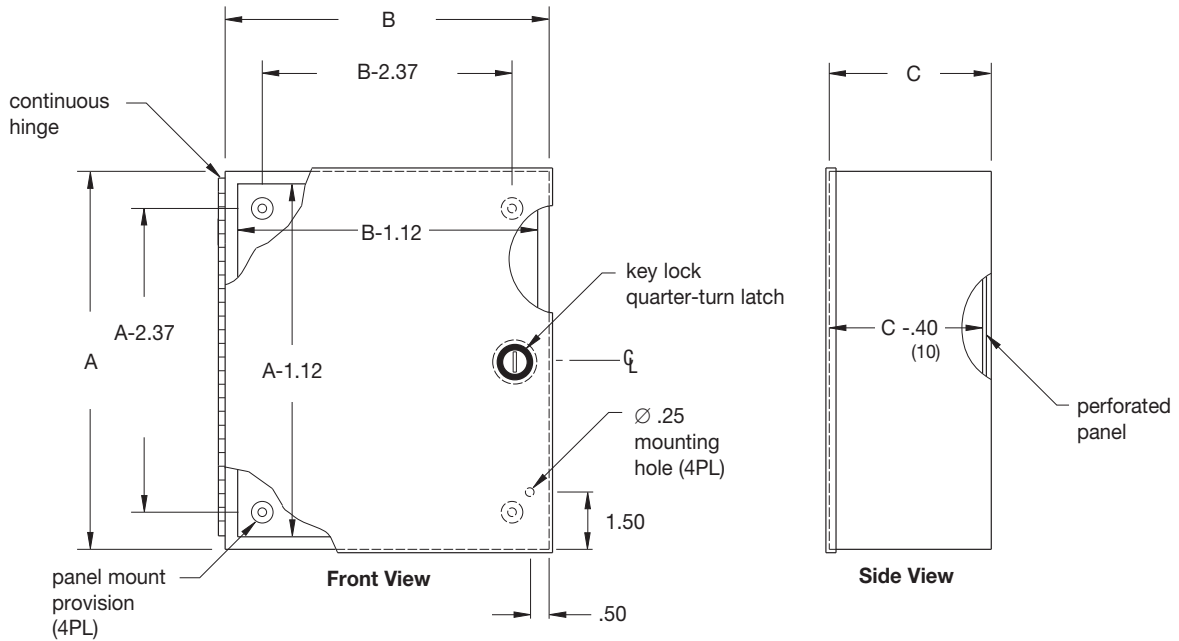
Notes: Cooper B-Line can provide special sizes, finishes and other modifications. Consult the factory for your special requirements. Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Panel Enclosures

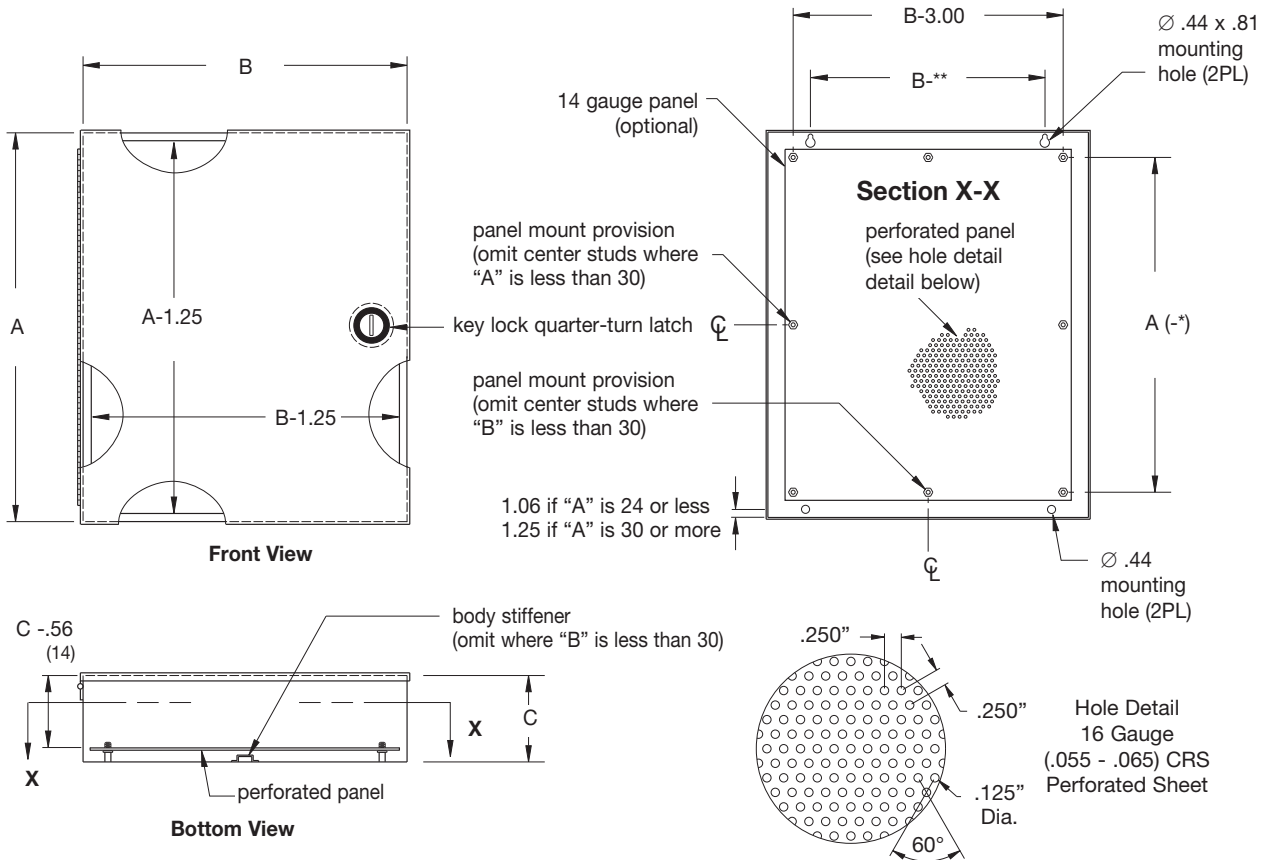
Type 1 Locking Hinge Cover With Perforated Panel

Illustration Sheet

Drawings for 12126-1PP



Drawings for 16126-1PP, 20166-1PP, 24206-1PP, 36246-1PP, 36306-1PP



Note: * = 4.50 if "A" is 24 or less * = 5.50 if "A" is 30 or more
 ** = 5.00 if "B" is 24 or less ** = 7.25 if "B" is 30 or more.

Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Type 1, 3, & 3R Enclosures

Type 1, 3, & 3R Enclosures

Panel Enclosures Type 3R Small Continuous Hinge Cover Data Sheet and Catalog Number

Type 1, 3, & 3R Enclosures



Application

- Used as wiring boxes, junction and pull boxes
- Protects against falling rain, sleet and external ice formation

Standards

- UL 50 listed, Type 3R
- CSA C22.2 No. 40 certified, Type 3R
- Conforms to NEMA standard for Type 3R

Finish

- Wash and phosphate undercoat
- ANSI 61 gray polyester powder finish

Accessories

- Panels
- Touch-up paint
- #10-32 self tapping screw (10168)
- See Accessories section

Construction

- Enclosure and cover are fabricated from (16) gauge galvaneal steel
- Knockouts are furnished on bottom end
- Cover is secured to the body with a continuous hinge and stainless steel pin on one side and a padlock draw pull catch on the opposite side
- #10-32 weldnuts are furnished for mounting optional panel
- External mounting feet are provided for secure wall mounting

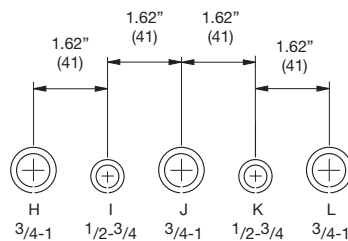
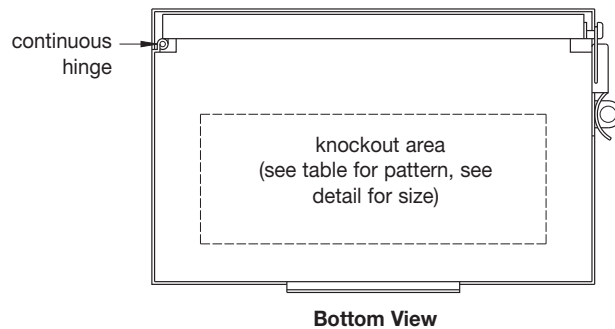
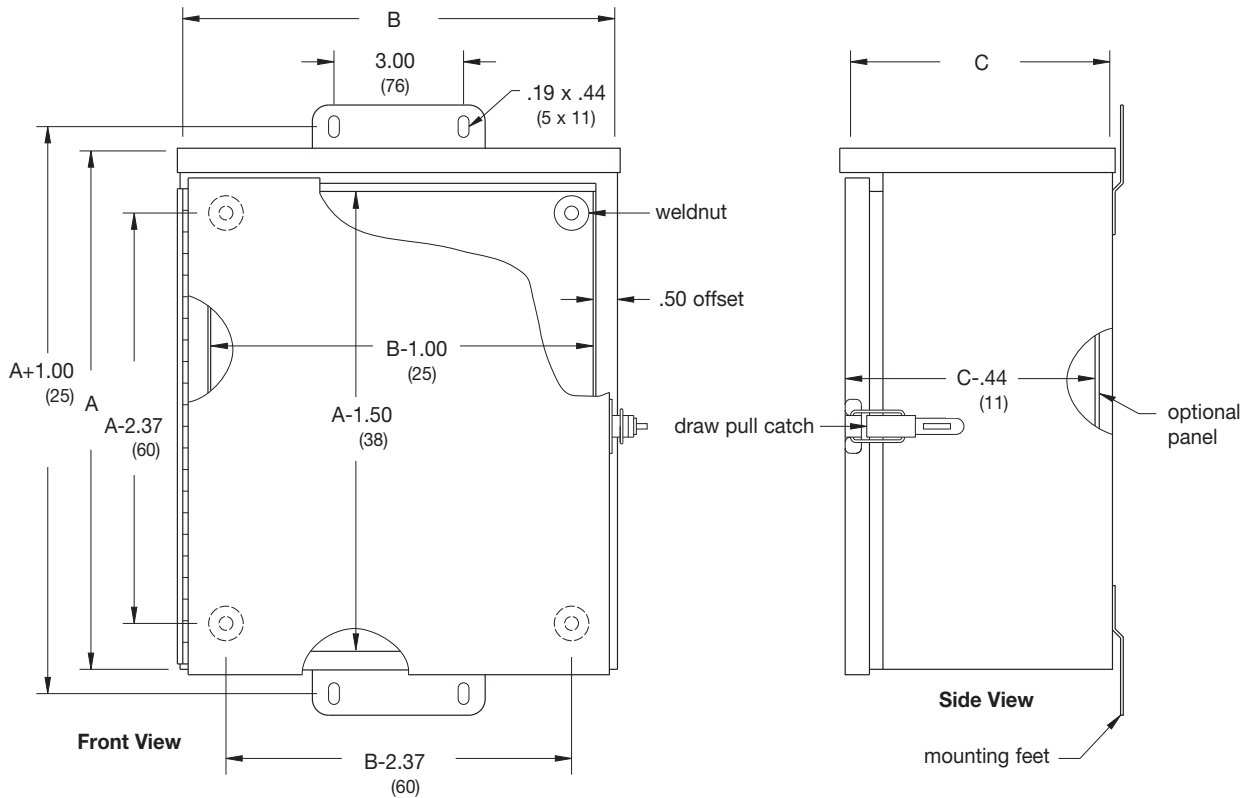
Discount Schedule: A2

Subclass: AU0

Enclosure Catalog Number	Enclosure Size Height x Width x Depth A x B x C		Knockout Pattern Bottom	Panel Catalog Number		Panel	
	in.	mm		Solid	Perforated	Height in.	Width mm
644 RHC	6.00 x 4.00 x 4.00	152 x 102 x 102	(I J)	N64P	N64PP	4.25 x 2.25	108 x 57
664 RHC	6.00 x 6.00 x 4.00	152 x 152 x 102	(I J K)	N66P	N66PP	4.25 x 4.25	108 x 108
864 RHC	8.00 x 6.00 x 4.00	203 x 152 x 102	(I J K)	N86P	N86PP	6.25 x 4.25	159 x 108
884 RHC	8.00 x 8.00 x 4.00	203 x 203 x 102	(I J K L)	N88P	N88PP	6.25 x 6.25	159 x 159
886 RHC	8.00 x 8.00 x 6.00	203 x 203 x 152	(I J K L)	N88P	N88PP	6.25 x 6.25	159 x 159
1086 RHC	10.00 x 8.00 x 6.00	254 x 203 x 152	(I J K L)	N108P	N108PP	8.25 x 6.25	210 x 159
12106 RHC	12.00 x 10.00 x 6.00	305 x 254 x 152	(H I J K L)	N1210P	N1210PP	10.25 x 8.25	260 x 210
12126 RHC	12.00 x 12.00 x 6.00	305 x 305 x 152	(H I J K L)	N1212P	N1212PP	10.25 x 10.25	260 x 260
121210 RHC	12.00 x 12.00 x 10.00	305 x 305 x 254	(H I J K L)	N1212P	N1212PP	10.25 x 10.25	260 x 260

Notes: Cooper B-Line can provide special sizes, finishes and other modifications. Consult the factory for your special requirements.

Panel Enclosures Type 3R Small Continuous Hinge Cover Illustration Sheet



Conduit Sizes

Knockout Detail

Note: See table for applicable knockout pattern.

Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Type 1, 3, & 3R Enclosures

Panel Enclosures

Type 3R Large Continuous Hinge Cover

Data Sheet and Catalog Number

Type 1, 3, & 3R Enclosures



Application

- Used as wiring boxes, junction and pull boxes
- Protects against falling rain, sleet and external ice formation

Standards

- UL 50 listed, Type 3R
- CSA C22.2 No. 40 certified, Type 3R
- Conforms to NEMA standard for Type 3R

Construction

- Enclosure and door are fabricated from code gauge galvaneal steel, (see below)
- Enclosure standard without knockouts
- Door is secured to the body with a continuous hinge and stainless steel pin on one side and captive screws on the opposite side
- Door has padlock hasp with sealing hole provision
- .375-16 collar studs are furnished for mounting optional panel
- External mounting feet are provided for secure wall mounting

Finish

- Wash and phosphate undercoat
- ANSI 61 gray polyester powder finish

Accessories

- Panels
- Touch-up paint
- See Accessories section

Discount Schedule: A2

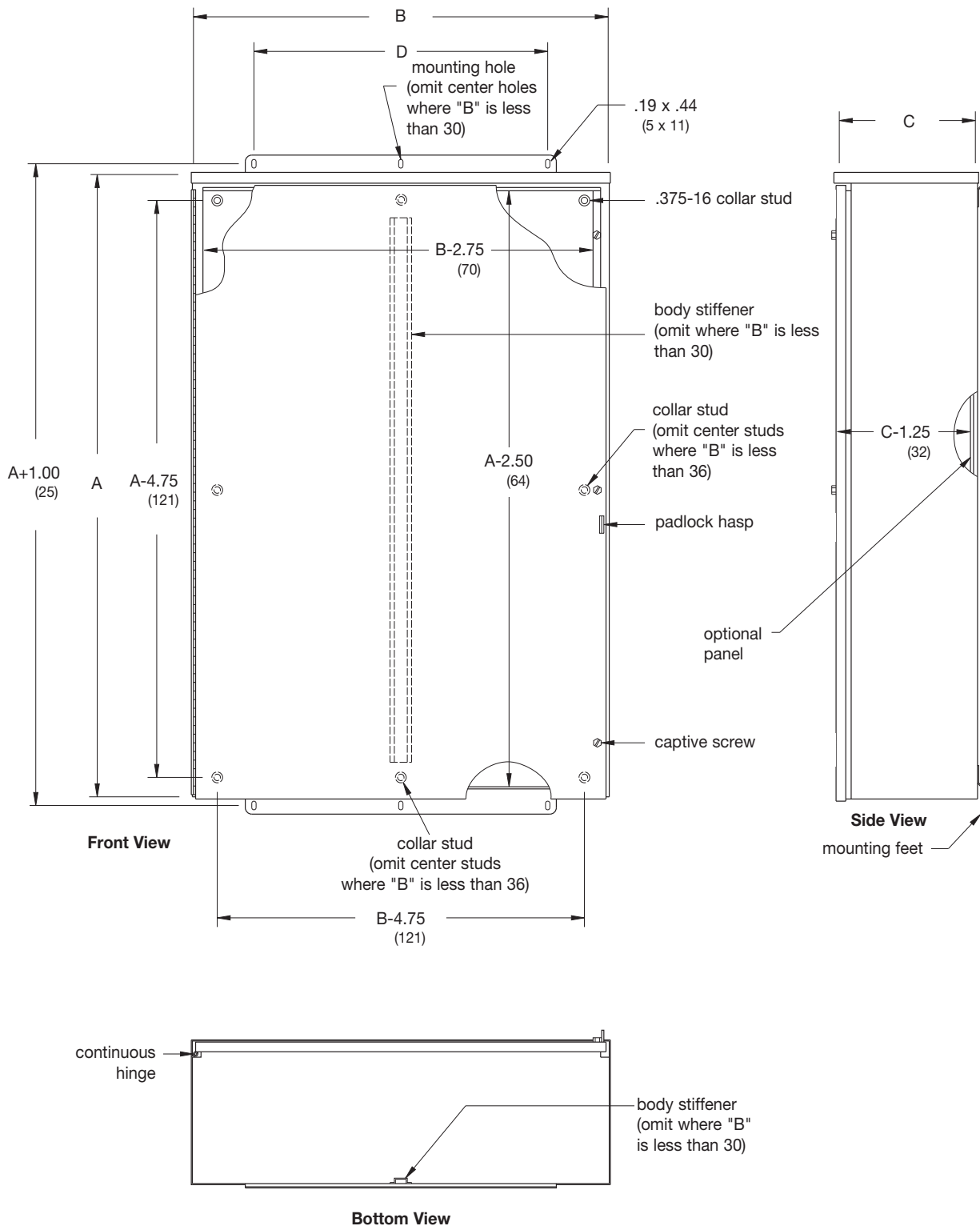
Subclass: AU0

Enclosure Catalog Number	Enclosure Size Height x Width x Depth A x B x C		D		Gauge	Panel Catalog Number	Panel Size	
	in.	mm	in.	mm			Height in.	Width mm
16126RHC	16.00 x 12.00 x 6.00	406 x 305 x 152	5.00	127	16	N1612P	13.00 x 9.00	330 x 229
16166RHC	16.00 x 16.00 x 6.00	406 x 406 x 152	9.00	229	16	N1616P	13.00 x 13.00	330 x 330
18186RHC	18.00 x 18.00 x 6.00	457 x 457 x 152	13.00	330	16	N1818P	15.00 x 15.00	381 x 381
181810RHC	18.00 x 18.00 x 10.00	457 x 457 x 254	13.00	330	16	N1818P	15.00 x 15.00	381 x 381
20166RHC	20.00 x 16.00 x 6.00	508 x 406 x 152	9.00	229	16	N2016P	17.00 x 13.00	432 x 330
20208RHC	20.00 x 20.00 x 8.00	508 x 508 x 203	13.00	330	16	N2020P	17.00 x 17.00	432 x 432
24208RHC	24.00 x 20.00 x 8.00	610 x 508 x 203	13.00	330	16	N2420P	20.87 x 16.87	530 x 428
24248RHC	24.00 x 24.00 x 8.00	610 x 610 x 203	17.00	432	14	N2424P	20.87 x 20.87	530 x 530
242410RHC	24.00 x 24.00 x 10.00	610 x 610 x 254	17.00	432	14	N2424P	20.87 x 20.87	530 x 530
30248RHC	30.00 x 24.00 x 8.00	762 x 610 x 203	17.00	432	14	N3024P	26.87 x 20.87	682 x 530
302410RHC	30.00 x 24.00 x 10.00	762 x 610 x 254	17.00	432	14	N3024P	26.87 x 20.87	682 x 530
30308RHC	30.00 x 30.00 x 8.00	762 x 762 x 203	17.00	432	14	N3030P	26.87 x 26.87	682 x 682
303012RHC	30.00 x 30.00 x 12.00	762 x 762 x 305	27.00	432	14	N3030P	26.87 x 26.87	682 x 682
303016RHC	30.00 x 30.00 x 16.00	762 x 762 x 406	27.00	432	14	N3030P	26.87 x 26.87	682 x 682
362412RHC	36.00 x 24.00 x 12.00	914 x 610 x 305	17.00	432	14	N3624P	32.87 x 20.87	835 x 530
363012RHC	36.00 x 30.00 x 12.00	914 x 762 x 305	27.00	432	14	N3630P	32.87 x 26.87	835 x 682
363610RHC	36.00 x 36.00 x 10.00	914 x 914 x 254	27.00	432	14	N3636P	32.87 x 32.87	835 x 835
363612RHC	36.00 x 36.00 x 12.00	914 x 914 x 305	27.00	432	14	N3636P	32.87 x 32.87	835 x 835
423012RHC	42.00 x 30.00 x 12.00	1067 x 762 x 305	27.00	432	14	N4230P	38.87 x 26.87	987 x 682
423612RHC	42.00 x 36.00 x 12.00	1067 x 914 x 305	27.00	432	14	N4236P	38.87 x 32.87	987 x 835
483612RHC	48.00 x 36.00 x 12.00	1219 x 914 x 305	27.00	432	14	N4836P	44.87 x 32.87	1140 x 835
483616RHC	48.00 x 36.00 x 16.00	1219 x 914 x 406	27.00	432	14	N4836P	44.87 x 32.87	1140 x 835
603612RHC	60.00 x 36.00 x 12.00	1524 x 914 x 305	27.00	432	14	N6036P	56.87 x 32.87	1444 x 835

Notes: Cooper B-Line can provide special sizes, finishes and other modifications. Consult the factory for your special requirements. Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Panel Enclosures Type 3R Large Continuous Hinge Cover Illustration Sheet

Type 1, 3, & 3R Enclosures



Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Type 1, 3, & 3R Enclosures

Panel Enclosures Type 3R Double-Door Enclosures Data Sheet and Catalog Number

Type 1, 3, & 3R Enclosures



Application

- Used as wiring boxes, junction and pull boxes
- Protects against falling rain, sleet and external ice formation

Standards

- UL 50 listed, Type 3R
- CSA C22.2 No. 40 certified, Type 3R
- Conforms to NEMA standard for Type 3R

Finish

- Wash and phosphate undercoat
- ANSI 61 gray polyester powder finish

Accessories

- Panels
- Type 3R door handle
- Touch-up paint
- See Accessories section

Construction

- Enclosure and door are fabricated from (12) gauge steel
- Removable center post for complete front access
- Doors are secured to the body with a heavy-duty continuous hinge and stainless steel hinge pin with center locating 3-point padlocking handle mechanism which closes the right side door over the left
- .375-16 collar studs are furnished for mounting optional panel
- External mounting feet are provided for secure wall mounting
- No knockouts

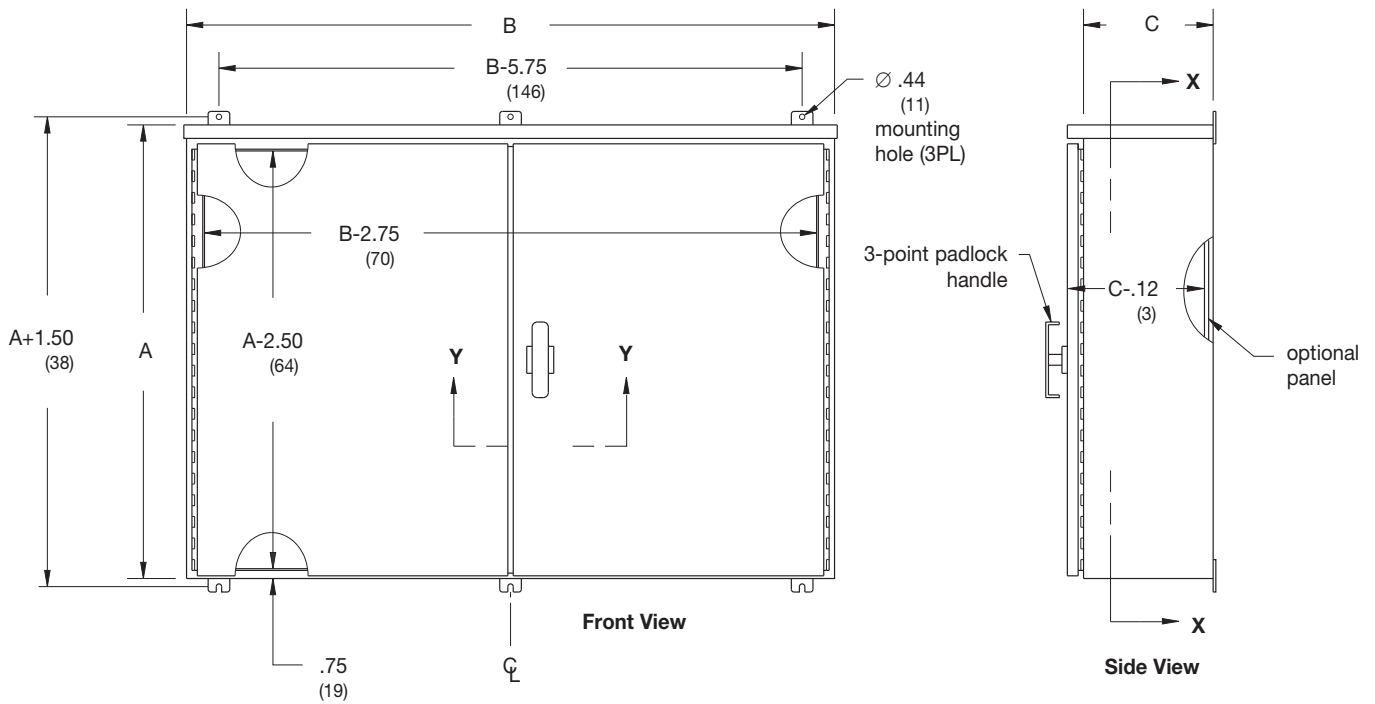
Discount Schedule: A2

Subclass: AU0

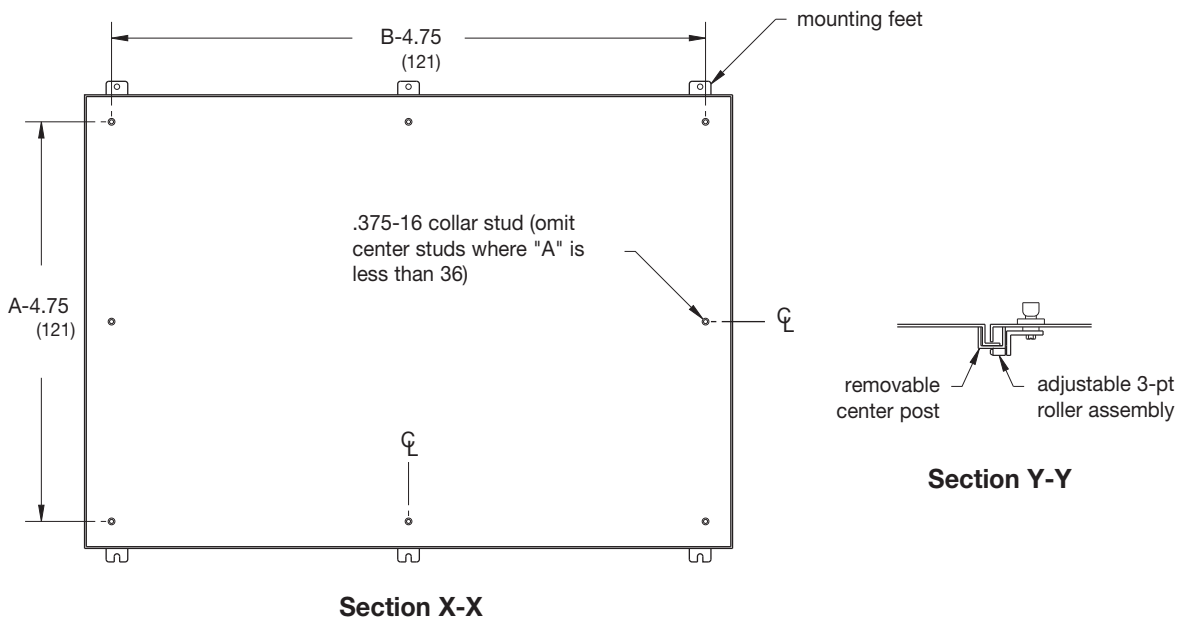
Enclosure Catalog Number	Enclosure Size Height x Width x Depth A x B x C		Panel Catalog Number	Panel Size	
	in.	mm		Height in.	Width mm
304212DRHC	30.00 x 42.00 x 12.00	762 x 1067 x 305	N4230P	26.87 x 38.87	682 x 987
364812DRHC	36.00 x 48.00 x 12.00	914 x 1219 x 305	N4836P	32.87 x 44.87	835 x 1140
303616DRHC	30.00 x 36.00 x 16.00	762 x 914 x 406	N3630P	26.87 x 32.87	682 x 835
364216DRHC	36.00 x 42.00 x 16.00	914 x 1067 x 406	N4236P	32.87 x 38.87	835 x 987

Notes: Cooper B-Line can provide special sizes, finishes and other modifications. Consult the factory for your special requirements. Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Panel Enclosures Type 3R Double-Door Enclosures Illustration Sheet



Type 1, 3, & 3R Enclosures

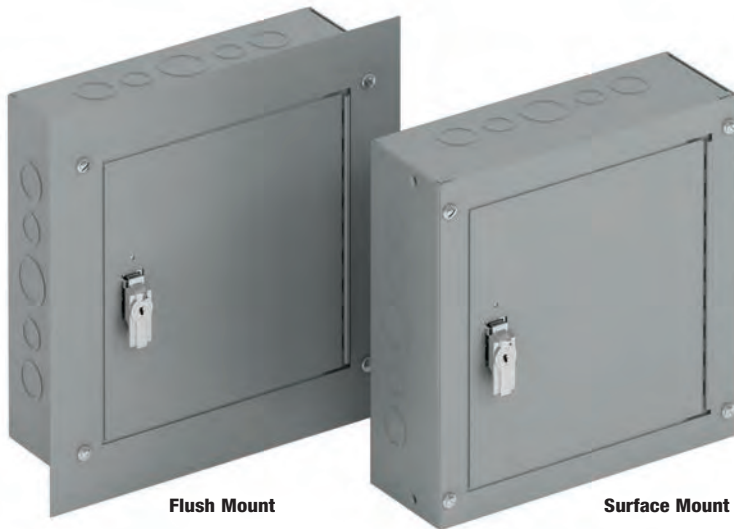


Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Type 1, 3, & 3R Enclosures

Utility Cabinets Type 1 Telephone Cabinets Data Sheet

Type 1, 3, & 3R Enclosures



Application

- Houses electrical controls and instruments
- Used as wiring boxes, junction boxes, pull boxes, telephone and communication cable termination and spare fuse cabinet
- Protects against contact with enclosed equipment

Standards

- UL 50 listed, Type 1
- CSA C22.2 No. 40 certified, Type 1
- Conforms to NEMA standard for Type 1

Finish

- Wash and phosphate undercoat
- ANSI 61 gray acrylic electrocoat finish

Accessories

- Locks and latches
- Ground lug kit
- Terminal blocks
- Wood back boards, barriers and shelves
- Touch-up paint
- See Accessories section

Construction

- Cabinet and trim covers are fabricated from code gauge steel, (see page 80)
- Cabinet body has mounting holes on the back
- Knockouts on sides, top and bottom ends are standard on cabinets 24 inches wide or smaller, (see Type 1 Screw Cover Enclosures for knockout configuration) (see pages 50 - 53)
- Cabinets are available without knockouts
- Surface or flush mounting
- Doors have either a continuous or heavy-duty butt hinge
- Double-door construction on trim covers fitting cabinets when wider than 24 inches
- Tumbler lock with key furnished on single-door trim cover less than 48 inches high
- T-handle 3-pt lock with key furnished on 48" high single-door and all double-door trim covers
- Directory card holder on all trim covers wider than 18 inches
- Trim covers can be ordered separately and used with Type 1 Screw Cover Enclosures, (see page 80)
- Cupped washer and bright finish oval head screw used to protect trim cover finish and improve appearance

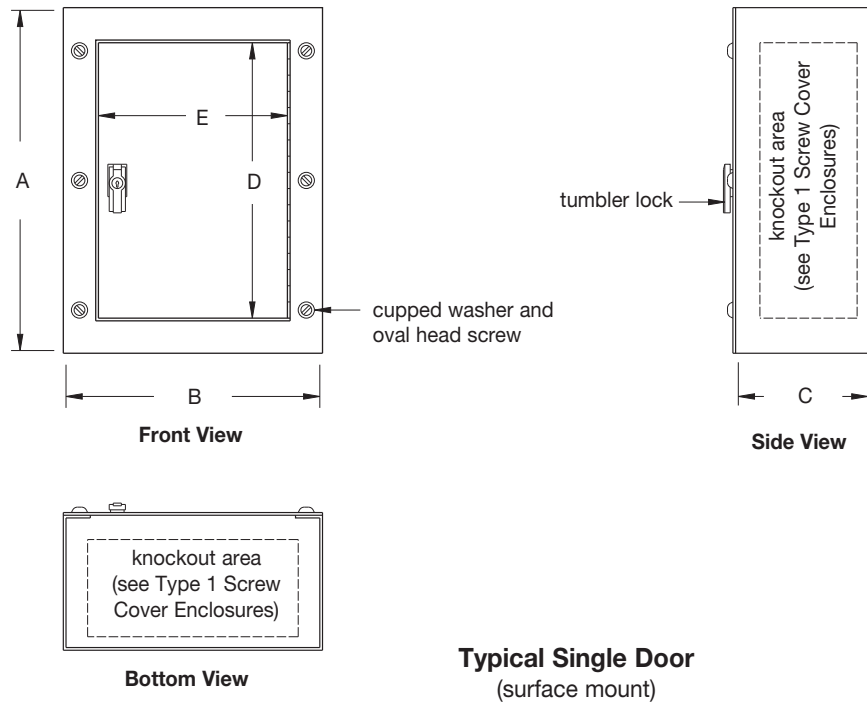
Discount Schedule: A2

Subclass: AQ0

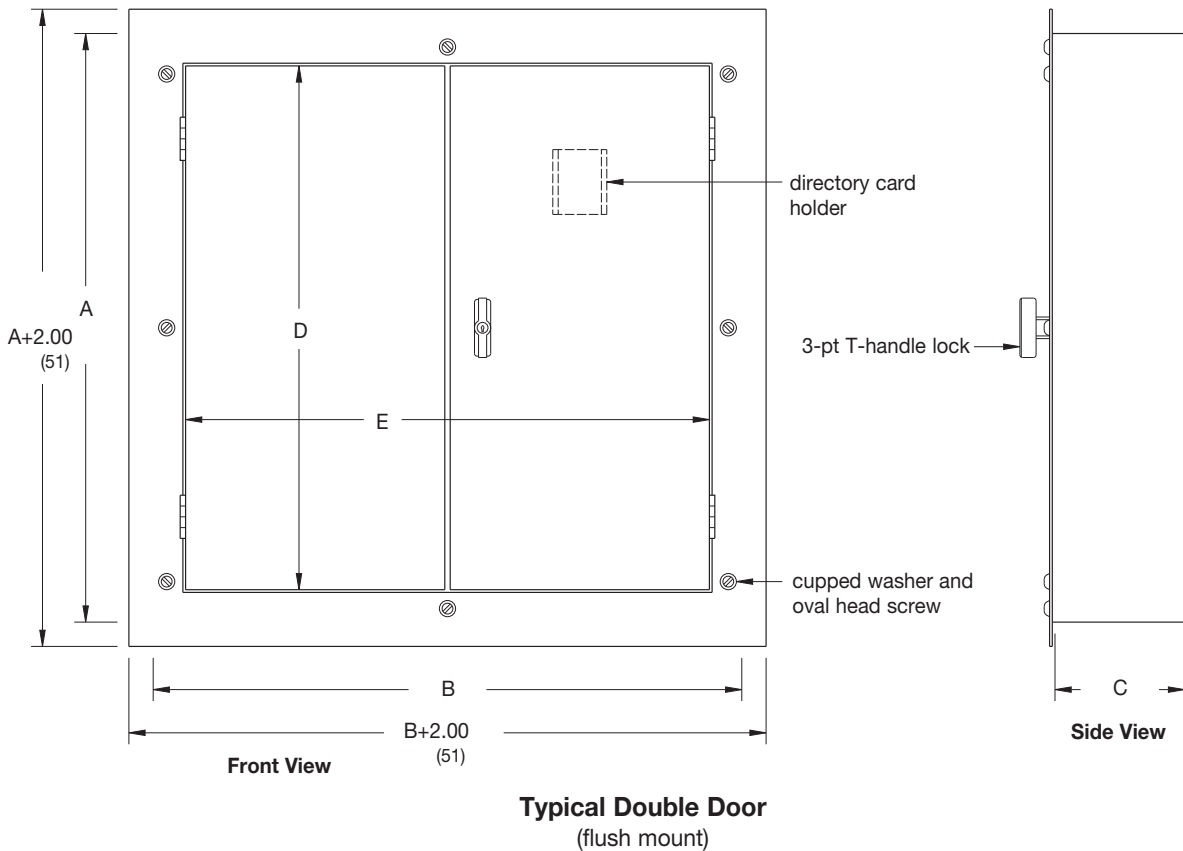
Notes: Cooper B-Line can provide special sizes, finishes and other modifications. Consult the factory for your special requirements.

Utility Cabinets Type 1 Telephone Cabinets Illustration Sheet

See page 80 for catalog numbers and dimensions



Note: Knockouts are standard on cabinets 24 inches wide and smaller. (See Type 1 Screw Cover Enclosures for KO configuration). (see pages 50 - 53)



Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Type 1, 3, & 3R Enclosures

Utility Cabinets Type 1 Telephone Cabinets Catalog Number

Type 1, 3, & 3R Enclosures

Cabinet Depth	Cabinet Catalog Number (includes trim cover)		Cabinet Size Height x Width x Depth A x B x C			Gauge	Trim Cover Catalog Number (trim cover only - does not include cabinet)				Door Opening ⁽¹⁾		
	Surface	Flush	in.	mm	Surface		Gauge	Flush	Gauge	Height D		Width E	
										in.	mm	in.	mm
4	884 TCS	884 TCF	8.00 x 8.00 x 4.00	203 x 203 x 102	16	88 TCS	16	88 TCF	14	5	127	5	127
	10104 TCS	10104 TCF	10.00 x 10.00 x 4.00	254 x 254 x 102	16	1010 TCS	16	1010 TCF	14	6	152	6	152
	1284 TCS	1284 TCF	12.00 x 8.00 x 4.00	305 x 203 x 102	16	128 TCS	16	128 TCF	14	8	203	5	127
	12104 TCS	12104 TCF	12.00 x 10.00 x 4.00	305 x 254 x 102	16	1210 TCS	16	1210 TCF	14	8	203	6	152
	12124 TCS	12124 TCF	12.00 x 12.00 x 4.00	305 x 305 x 102	16	1212 TCS	16	1212 TCF	14	8	203	8	203
	16124 TCS	16124 TCF	16.00 x 12.00 x 4.00	406 x 305 x 102	16	1612 TCS	16	1612 TCF	14	12	305	8	203
	18124 TCS	18124 TCF	18.00 x 12.00 x 4.00	457 x 305 x 102	16	1812 TCS	16	1812 TCF	14	14	356	8	203
	18154 TCS	18154 TCF	18.00 x 15.00 x 4.00	457 x 381 x 102	16	1815 TCS	16	1815 TCF	14	14	356	11	279
	18184 TCS	18184 TCF	18.00 x 18.00 x 4.00	457 x 457 x 102	16	1818 TCS	16	1818 TCF	12	14	356	14	356
	24124 TCS	24124 TCF	24.00 x 12.00 x 4.00	610 x 305 x 102	16	2412 TCS	16	2412 TCF	12	19	483	8	203
	24184 TCS	24184 TCF	24.00 x 18.00 x 4.00	610 x 457 x 102	16	2418 TCS	14	2418 TCF	12	19	483	14	356
	24244 TCS	24244 TCF	24.00 x 24.00 x 4.00	610 x 610 x 102	14	2424 TCS	14	2424 TCF	12	19	483	19	483
	30154 TCS	30154 TCF	30.00 x 15.00 x 4.00	762 x 381 x 102	16	3015 TCS	14	3015 TCF	12	25	635	11	279
	30184 TCS	30184 TCF	30.00 x 18.00 x 4.00	762 x 457 x 102	16	3018 TCS	14	3018 TCF	12	25	635	14	356
	30244 TCS	30244 TCF	30.00 x 24.00 x 4.00	762 x 610 x 102	14	3024 TCS	14	3024 TCF	12	25	635	19	483
	30304 TCS NK	30304 TCF NK	30.00 x 30.00 x 4.00	762 x 762 x 102	12	3030 TCS	12	3030 TCF	12	25	635	25	635
	36244 TCS	36244 TCF	36.00 x 24.00 x 4.00	914 x 610 x 102	14	3624 TCS	14	3624 TCF	12	31	787	19	483
	36304 TCS NK	36304 TCF NK	36.00 x 30.00 x 4.00	914 x 762 x 102	12	3630 TCS	12	3630 TCF	12	31	787	25	635
	36364 TCS NK	36364 TCF NK	36.00 x 36.00 x 4.00	914 x 914 x 102	12	3636 TCS	12	3636 TCF	12	31	787	31	787
	48244 TCS	48244 TCF	48.00 x 24.00 x 4.00	1219 x 610 x 102	14	4824 TCS	12	4824 TCF	12	43	1092	19	483
48364 TCS NK	48364 TCF NK	48.00 x 36.00 x 4.00	1219 x 914 x 102	12	4836 TCS	10	4836 TCF	10	43	1092	31	787	
48484 TCS NK	48484 TCF NK	48.00 x 48.00 x 4.00	1219 x 1219 x 102	12	4848 TCS	10	4848 TCF	10	43	1092	43	1092	
6	10106 TCS	10106 TCF	10.00 x 10.00 x 6.00	254 x 254 x 152	16	1010 TCS	16	1010 TCF	14	6	152	6	152
	1286 TCS	1286 TCF	12.00 x 8.00 x 6.00	305 x 203 x 152	16	128 TCS	16	128 TCF	14	8	203	5	127
	12106 TCS	12106 TCF	12.00 x 10.00 x 6.00	305 x 254 x 152	16	1210 TCS	16	1210 TCF	14	8	203	6	152
	12126 TCS	12126 TCF	12.00 x 12.00 x 6.00	305 x 305 x 152	16	1212 TCS	16	1212 TCF	14	8	203	8	203
	16126 TCS	16126 TCF	16.00 x 12.00 x 6.00	406 x 305 x 152	16	1612 TCS	16	1612 TCF	14	12	305	8	203
	18126 TCS	18126 TCF	18.00 x 12.00 x 6.00	457 x 305 x 152	16	1812 TCS	16	1812 TCF	14	14	356	8	203
	18156 TCS	18156 TCF	18.00 x 15.00 x 6.00	457 x 381 x 152	16	1815 TCS	16	1815 TCF	14	14	356	11	279
	18186 TCS	18186 TCF	18.00 x 18.00 x 6.00	457 x 457 x 152	16	1818 TCS	16	1818 TCF	12	14	356	14	356
	24126 TCS	24126 TCF	24.00 x 12.00 x 6.00	610 x 305 x 152	16	2412 TCS	16	2412 TCF	12	19	483	8	203
	24186 TCS	24186 TCF	24.00 x 18.00 x 6.00	610 x 457 x 152	16	2418 TCS	14	2418 TCF	12	19	483	14	356
	24246 TCS	24246 TCF	24.00 x 24.00 x 6.00	610 x 610 x 152	14	2424 TCS	14	2424 TCF	12	19	483	19	483
	30156 TCS	30156 TCF	30.00 x 15.00 x 6.00	762 x 381 x 152	16	3015 TCS	14	3015 TCF	12	25	635	11	279
	30186 TCS	30186 TCF	30.00 x 18.00 x 6.00	762 x 457 x 152	16	3018 TCS	14	3018 TCF	12	25	635	14	356
	30246 TCS	30246 TCF	30.00 x 24.00 x 6.00	762 x 610 x 152	14	3024 TCS	14	3024 TCF	12	25	635	19	483
	30306 TCS NK	30306 TCF NK	30.00 x 30.00 x 6.00	762 x 762 x 152	12	3030 TCS	12	3030 TCF	12	25	635	25	635
	36246 TCS	36246 TCF	36.00 x 24.00 x 6.00	914 x 610 x 152	14	3624 TCS	14	3624 TCF	12	31	787	19	483
	36306 TCS NK	36306 TCF NK	36.00 x 30.00 x 6.00	914 x 762 x 152	12	3630 TCS	12	3630 TCF	12	31	787	25	635
	36366 TCS NK	36366 TCF NK	36.00 x 36.00 x 6.00	914 x 914 x 152	12	3636 TCS	12	3636 TCF	12	31	787	31	787
	48246 TCS	48246 TCF	48.00 x 24.00 x 6.00	1219 x 610 x 152	14	4824 TCS	12	4824 TCF	12	43	1092	19	483
	48366 TCS NK	48366 TCF NK	48.00 x 36.00 x 6.00	1219 x 914 x 152	12	4836 TCS	10	4836 TCF	10	43	1092	31	787
48486 TCS NK	48486 TCF NK	48.00 x 48.00 x 6.00	1219 x 1219 x 152	12	4848 TCS	10	4848 TCF	10	43	1092	43	1092	

⁽¹⁾ Door opening is approximate.

Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Utility Cabinets Type 3R Telephone Cabinets Data Sheet and Catalog Number



Application

- Used as telephone and communication cable termination and spare fuse cabinets
- Protects against falling rain, sleet and external ice formation

Standards

- UL 1863 listed, Type 3R
- Conforms to NEMA standard for Type 3R

Finish

- Wash and phosphate undercoat
- ANSI 61 gray acrylic electrocoat finish

Accessories

- Locks
- Terminal blocks
- Wood back boards, barriers and shelves
- Touch-up paint
- See Accessories section

Construction

- Cabinet and door are fabricated from code gauge galvaneal steel, (see table, page 81)
- Cabinet body has embossed mounting holes on the back
- Knockouts are standard on bottom end
- Door is secured to the body with heavy-duty butt hinges on one side and a T-handle lock with key on the opposite side

Discount Schedule: A2

Subclass: AQ0

Cabinet Catalog Number	Cabinet Size Height x Width x Depth A x B x C		Gauge	Knockout Pattern Bottom
	in.	mm		
664 RTC	6.00 x 6.00 x 4.00	152 x 152 x 102	18	(C D E)
884 RTC	8.00 x 8.00 x 4.00	203 x 203 x 102	18	(G H I J)
12124 RTC	12.00 x 12.00 x 4.00	305 x 305 x 102	18	(D E F G H)
12126 RTC	12.00 x 12.00 x 6.00	305 x 305 x 152	18	(D E F G H)
18126 RTC	18.00 x 12.00 x 6.00	457 x 305 x 152	18	(D E F G H)
18186 RTC	18.00 x 18.00 x 6.00	457 x 457 x 152	16	(B C D E F G H I J)
24126 RTC	24.00 x 12.00 x 6.00	610 x 305 x 152	18	(D E F G H)
24186 RTC	24.00 x 18.00 x 6.00	610 x 457 x 152	16	(B C D E F G H I J)
24246 RTC	24.00 x 24.00 x 6.00	610 x 610 x 152	14	(B C D E F G H I J)
30246 RTC	30.00 x 24.00 x 6.00	762 x 610 x 152	14	(B C D E F G H I J)
36246 RTC	36.00 x 24.00 x 6.00	914 x 610 x 152	14	(B C D E F G H I J)
12128 RTC	12.00 x 12.00 x 8.00	305 x 305 x 203	18	(D E F G H)
18188 RTC	18.00 x 18.00 x 8.00	457 x 457 x 203	16	(B C D E F G H I J)
24248 RTC	24.00 x 24.00 x 8.00	610 x 610 x 203	14	(B C D E F G H I J)

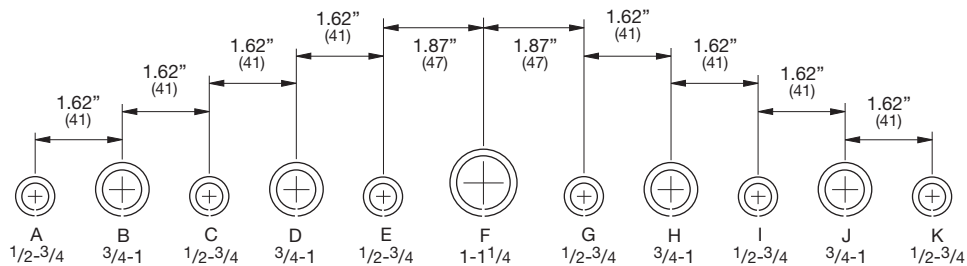
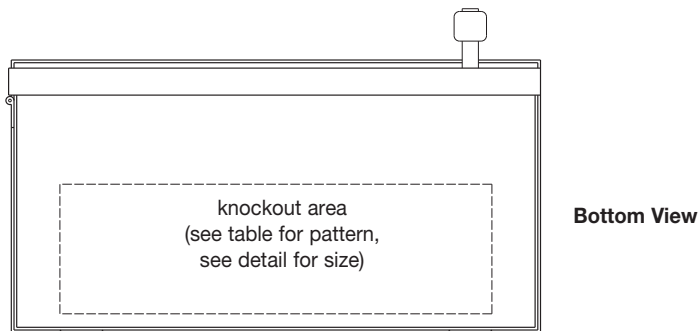
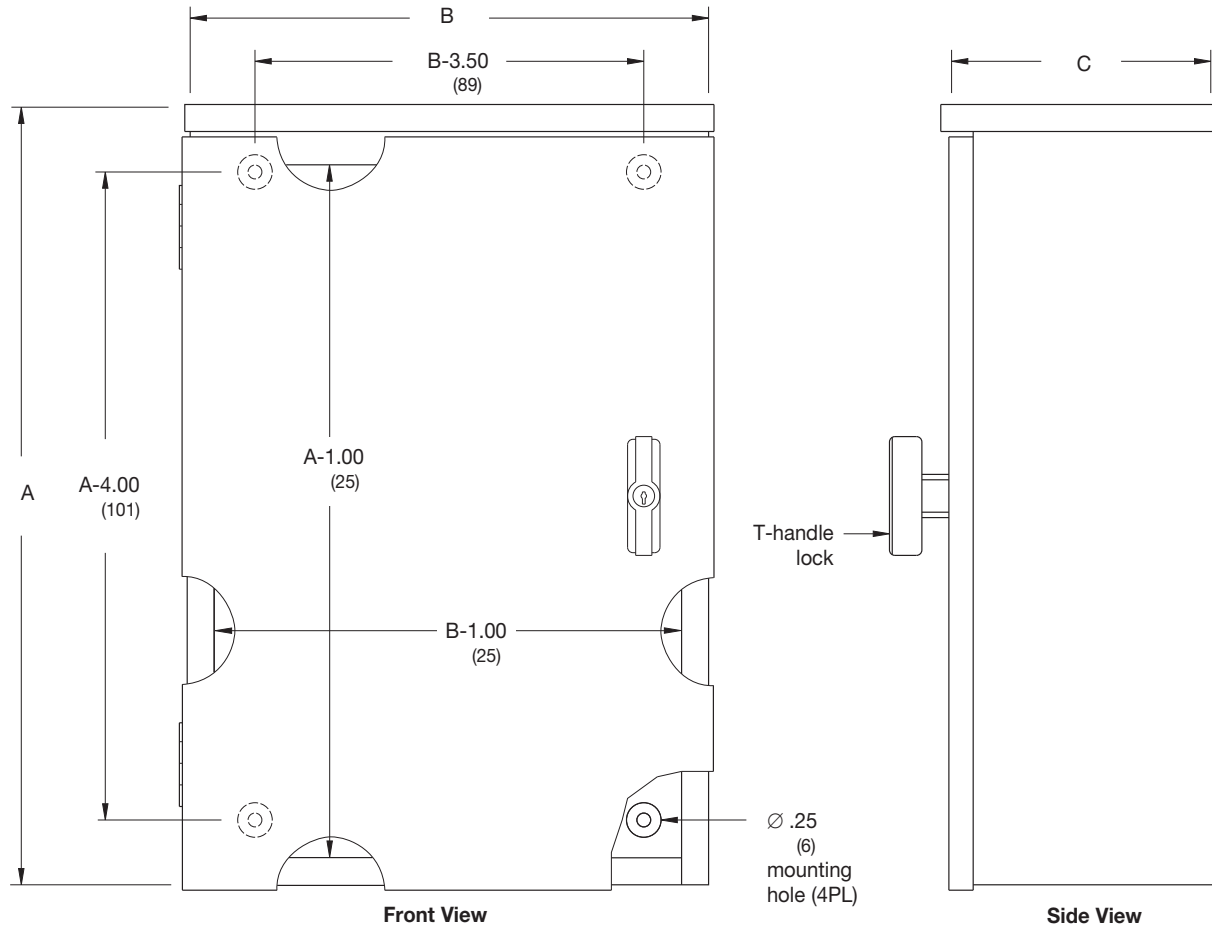
See page 82 for dimensional drawings

Notes: Cooper B-Line can provide special sizes, finishes and other modifications. Consult the factory for your special requirements. Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Type 1, 3, & 3R Enclosures

Utility Cabinets Type 3R Telephone Cabinets Illustration Sheet

Type 1, 3, & 3R Enclosures



Conduit Sizes

Knockout Detail

Note: See table for applicable knockout pattern.

Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Utility Cabinets

Type 3R Screw Cover Current Transformer Cabinets

Data Sheet



Application

- Designed to house current transformers
- Used as wiring boxes, junction and pull boxes
- Protects against falling rain, sleet and external ice formation

Standards

- UL 414 listed, Type 3R
- Conforms to NEMA standard for Type 3R

Finish

- Wash and phosphate undercoat
- ANSI 61 gray acrylic electrocoat finish

Accessories

- Touch-up paint
- See Accessories section

Construction

- Enclosure and cover are fabricated from code gauge galvaneal steel, (see table, page 84)
- Enclosure body has mounting holes on the back
- .250-20 mounting studs are furnished on the enclosure body of most sizes for utility current transformer mounting equipment, (see drawing, page 85)
- Cover is held secure by sliding it under the top end flange and fastening it to the bottom end and side flanges
- Cover mounting studs and wing nuts have a utility sealing hole provision as well as a padlocking provision for sealing the cover to the enclosure
- Enclosures 36 inches wide x 42 inches high and larger have two overlapping covers
- Fixed cover handles
- A ground lug is mounted on the inside bottom end of each cabinet

Discount Schedule: B9

Subclass: AVO

Notes: Cooper B-Line can provide special sizes, finishes and other modifications. Consult the factory for your special requirements.

Type 1, 3, & 3R Enclosures

Utility Cabinets

Type 3R Screw Cover Current Transformer Cabinets

Catalog Number

Enclosure Catalog Number	Enclosure Size Height x Width x Depth		Gauge	D		E		F		G	
	in.	A x B x C mm		in.	mm	in.	mm	in.	mm	in.	mm
18249 RTCT	24.00 x 18.00 x 9.00	610 x 457 x 229	16	-	-	-	-	-	-	-	-
24329 RTCT	32.00 x 24.00 x 9.00	813 x 610 x 229	14	-	-	-	-	-	-	-	-
242411 RTCT	24.00 x 24.00 x 11.00	610 x 610 x 279	14	9.00	229	8.00	203	8.00	203	-	-
243011 RTCT	30.00 x 24.00 x 11.00	762 x 610 x 279	14	12.00	305	8.00	203	8.00	203	-	-
243611 RTCT	36.00 x 24.00 x 11.00	914 x 610 x 279	14	15.00	381	8.00	203	8.00	203	-	-
244811 RTCT	48.00 x 24.00 x 11.00	1219 x 610 x 279	14	21.00	533	8.00	203	8.00	203	-	-
303011 RTCT	30.00 x 30.00 x 11.00	762 x 762 x 279	12	12.00	305	7.00	178	8.00	203	8.00	203
303611 RTCT	36.00 x 30.00 x 11.00	914 x 762 x 279	12	15.00	381	7.00	178	8.00	203	8.00	203
363611 RTCT	36.00 x 36.00 x 11.00	914 x 914 x 279	12	15.00	381	10.00	254	8.00	203	8.00	203
364211 RTCT	42.00 x 36.00 x 11.00	1067 x 914 x 279	12	18.00	457	10.00	254	8.00	203	8.00	203
364811 RTCT	48.00 x 36.00 x 11.00	1219 x 914 x 279	12	21.00	533	10.00	254	8.00	203	8.00	203
424211 RTCT	42.00 x 42.00 x 11.00	1067 x 1067 x 279	12	18.00	457	13.00	330	8.00	203	8.00	203
* 484811 RTCT	48.00 x 48.00 x 11.00	1219 x 1219 x 279	12	-	-	-	-	-	-	-	-
303614 RTCT	36.00 x 30.00 x 14.00	914 x 762 x 356	12	15.00	381	7.00	178	8.00	203	8.00	203
364814 RTCT	48.00 x 36.00 x 14.00	1219 x 914 x 356	12	21.00	533	10.00	254	8.00	203	8.00	203

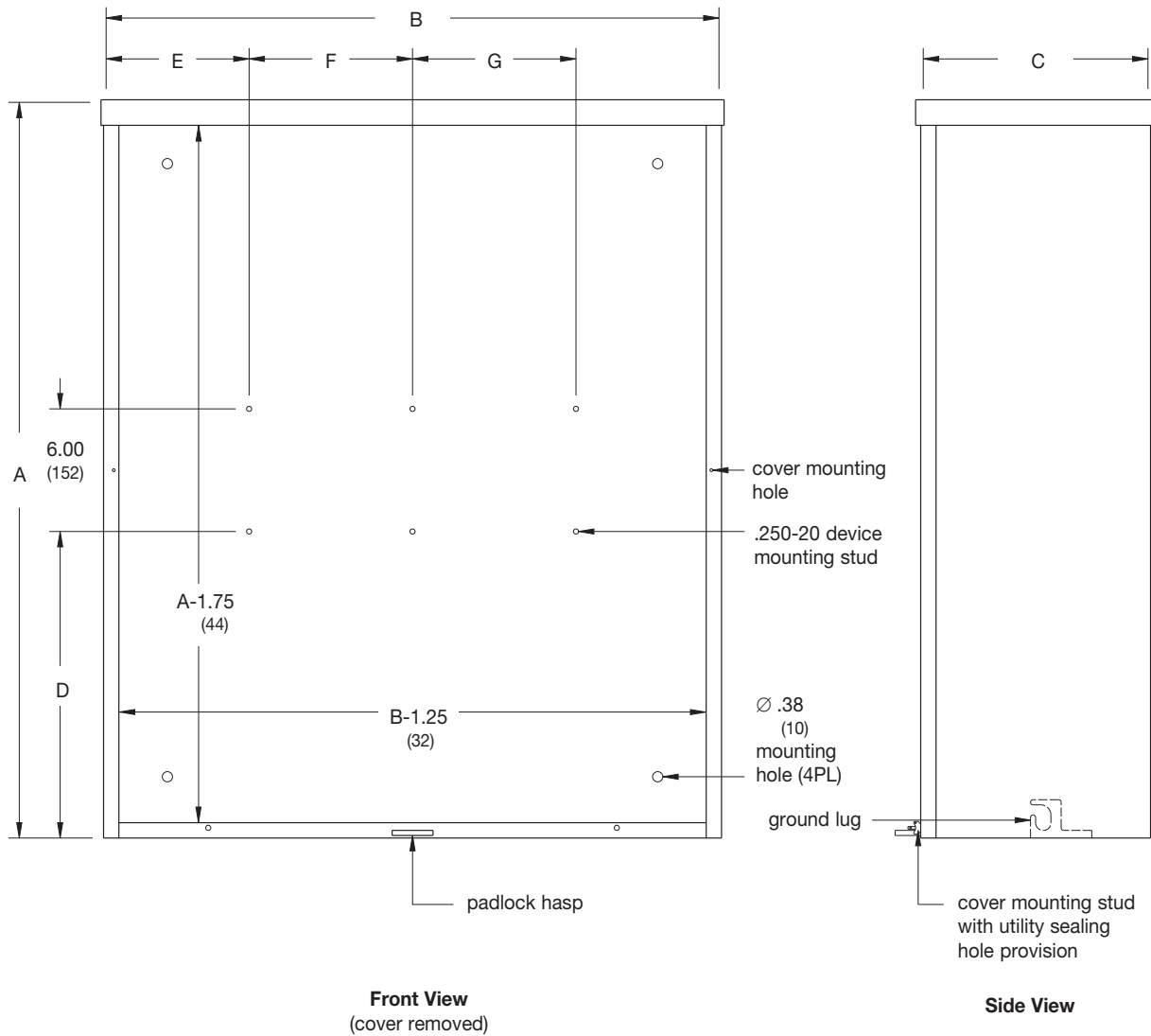
Consult the local Utility for area acceptance.

* Mounting studs not included.

See page 85 for dimensional drawings

Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Utility Cabinets Type 3R Screw Cover Current Transformer Cabinets Illustration Sheet



Type 1, 3, & 3R Enclosures

Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Type 1, 3, & 3R Enclosures

Utility Cabinets

Type 3R Hinge Cover Current Transformer Cabinets

Data Sheet

Type 1, 3, & 3R Enclosures



Application

- Designed to house current transformers
- Used as wiring boxes, junction and pull boxes
- Protects against falling rain, sleet and external ice formation

Standards

- UL 414 listed, Type 3R
- Conforms to NEMA standard for Type 3R

Finish

- Wash and phosphate undercoat
- ANSI 61 gray acrylic electrocoat finish

Accessories

- Touch-up paint
- See Accessories section

Construction

- Enclosure and cover are fabricated from code gauge galvaneal steel, (see table, page 87)
- Enclosure body has mounting holes on the back
- .250-20 mounting studs are furnished on the enclosure body of most sizes for utility current transformer mounting equipment, (see drawing, page 87)
- Covers are secured to the body with a heavy-duty slip-hinge on the left side and mounting studs and wing nuts with utility sealing hole provisions on the opposite side
- Covers are completely removable when in the open position
- Fixed door handles
- A ground lug is mounted on the inside bottom end of each cabinet

Discount Schedule: B9

Subclass: AV0

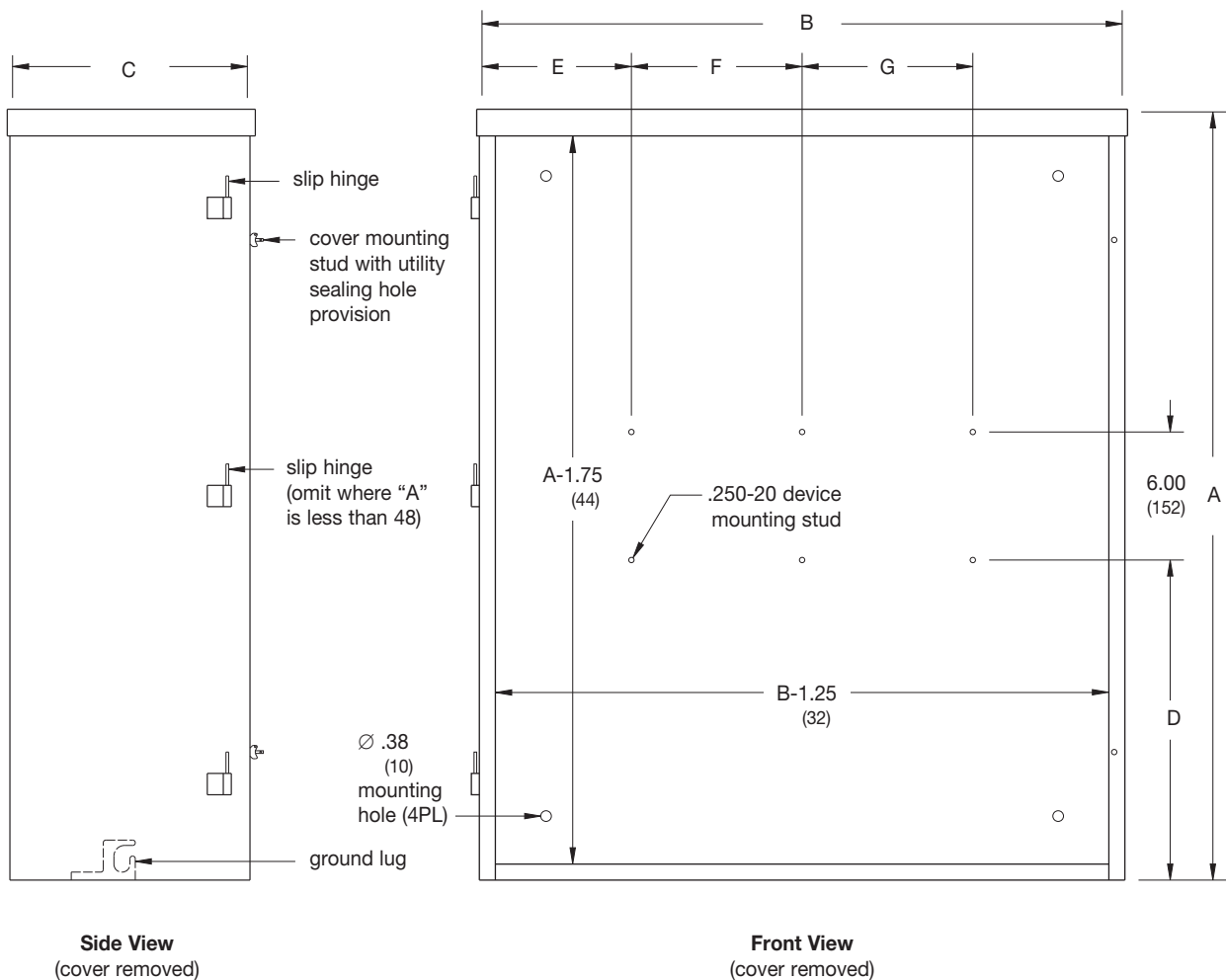
Notes: Cooper B-Line can provide special sizes, finishes and other modifications. Consult the factory for your special requirements.

Utility Cabinets Type 3R Hinge Cover Current Transformer Cabinets Illustration Sheet and Catalog Number

Enclosure Catalog Number	Enclosure Size Height x Width x Depth A x B x C		Gauge	D		E		F		G	
	in.	mm		in.	mm	in.	mm	in.	mm	in.	mm
203611 HRTCT	36.00	914	14	-	-	-	-	-	-	-	-
243011 HRTCT	30.00	762	14	12.00	305	8.00	203	8.00	203	-	-
244811 HRTCT	48.00	1219	14	21.00	533	8.00	203	8.00	203	-	-
303611 HRTCT	36.00	914	12	15.00	381	7.00	178	8.00	203	8.00	203
304811 HRTCT	48.00	1219	12	21.00	533	7.00	178	8.00	203	8.00	203
363611 HRTCT	36.00	914	12	15.00	381	10.00	254	8.00	203	8.00	203
364811 HRTCT	48.00	1219	12	21.00	533	10.00	254	8.00	203	8.00	203

Consult the local Utility for area acceptance.

Type 1, 3, & 3R Enclosures



Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.



Type 12/13 Panel Enclosures

Type 12/13 Panel Encl.

JIC Enclosures Type 12 Lift-Off Cover	90-91
JIC Enclosures Type 12 Continuous Hinge Cover	92-93
JIC Enclosures Type 12 Screw Cover	94-95
JIC Enclosures Type 12 Continuous Hinge Screw Cover	96-97
JIC Enclosures Type 12 Continuous Hinge Quick-Release Cover	98-99
JIC Enclosures Type 12 Large Continuous Hinge Screw Cover	100-101
JIC Enclosures Type 12 Continuous Hinge Flanged Trough Cover	102-103
Wall-Mount Enclosures Type 12 Single-Door	104-107
Wall-Mount Enclosures Type 12 Terminal	108-109
Wall-Mount Enclosures Type 12 Double-Door 3-Point Locking	110-111
Ground-Mount Enclosures Type 12 Double-Door Floor-Standing 3-Point Locking	112-113
Ground-Mount Enclosures Type 12 Single-Door Free-Standing 3-Point Locking	114-116
Ground-Mount Enclosures Type 12 Double-Door Free-Standing 3-Point Locking	117-119
Free-Standing Enclosure Accessories	120-128
Ground-Mount Enclosures Type 12 Modular Free-Standing 3-Point Locking	129-132
Ground-Mount Enclosures Type 12 Multi-Door Free-Standing 3-Point Locking	133-136

Type 12/13 Panel Enclosures

JIC Enclosures Type 12 Lift-Off Cover Data Sheet



Type 12/13 Panel Encl.

Application

- Houses electrical controls and instruments
- Protects against circulating dust, falling dirt and dripping non-corrosive liquids

Standards

- UL 508 listed, Type 12 and Type 13
- CSA C22.2 No.94 certified, Type 12 and Type 13
- Conforms to NEMA standard for Type 12 and Type 13
- Conforms to JIC standard EGP-1-1967

Finish

- Wash and phosphate undercoat
- ANSI 61 gray polyester powder finish
- Hardware and clamps are zinc plated

Accessories

- Panels
- JIC terminal strap kit
- JIC terminal strip kit
- Terminal blocks
- Touch-up paint
- #8-32 self tapping screw (10168)
- See Accessories section

Construction

- Enclosure and cover are fabricated from (16) gauge steel
- All continuous welded seams are finished smooth
- Cover is secured to the body with semi-hinge(s) on one side and easy-to-operate screw clamps mounted to the opposite side
- Chain holds cover to body when screw clamps are released
- Cover has a seamless poured in-place gasket
- Ground stud provided on cover
- #10-32 weldnuts are provided for mounting optional panel on 6" x 4" and larger enclosures
- External mounting feet are provided for secure wall mounting

Discount Schedule: C2

Subclass: DE0

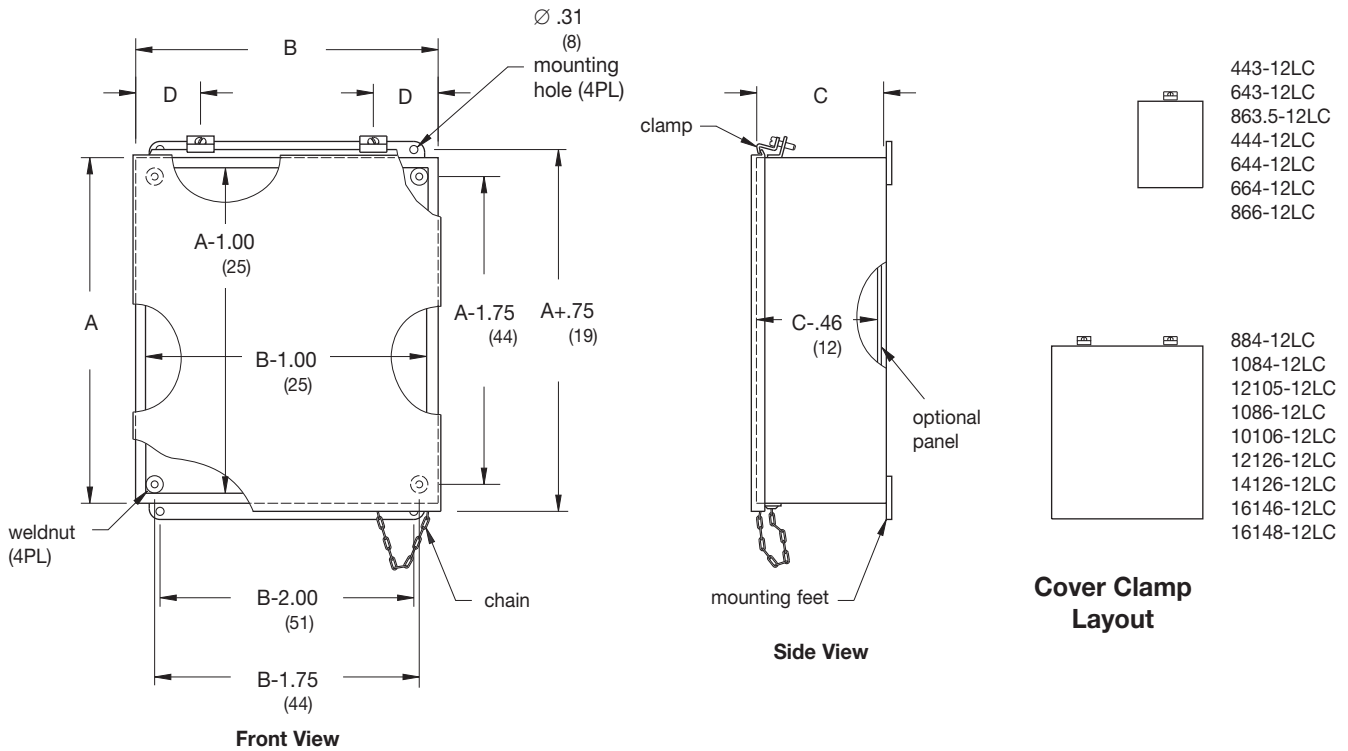
Notes: Cooper B-Line can provide special sizes, finishes and other modifications. Consult the factory for your special requirements.

Type 12 / 13 Panel Enclosures

JIC Enclosures Type 12 Lift-Off Cover Illustration Sheet and Catalog Number

Enclosure Catalog Number	Enclosure Size Height x Width x Depth A x B x C		D		Panel Catalog Number		Panel Size Height x Width	
	in.	mm	in.	mm	Solid	Perforated	in.	mm
443-12LC	4.00 x 4.00 x 3.00	102 x 102 x 76	2.00	51	--	--	--	--
643-12LC	6.00 x 4.00 x 3.00	152 x 102 x 76	2.00	51	AW64P	AW64PP	4.87 x 2.87	124 x 73
863.5-12LC	8.00 x 6.00 x 3.50	203 x 152 x 89	3.00	76	AW86P	AW86PP	6.87 x 4.87	174 x 124
444-12LC	4.00 x 4.00 x 4.00	102 x 102 x 102	2.00	51	--	--	--	--
644-12LC	6.00 x 4.00 x 4.00	152 x 102 x 102	2.00	51	AW64P	AW64PP	4.87 x 2.87	124 x 73
664-12LC	6.00 x 6.00 x 4.00	152 x 152 x 102	3.00	76	AW66P	AW66PP	4.87 x 4.87	124 x 124
884-12LC	8.00 x 8.00 x 4.00	203 x 203 x 102	2.00	51	AW88P	AW88PP	6.87 x 6.87	174 x 174
1084-12LC	10.00 x 8.00 x 4.00	254 x 203 x 102	2.00	51	AW108P	AW108PP	8.87 x 6.87	225 x 174
12105-12LC	12.00 x 10.00 x 5.00	305 x 254 x 127	2.00	51	AW1210P	AW1210PP	10.87 x 8.87	276 x 225
14126-12LC	14.00 x 12.00 x 6.00	356 x 305 x 152	3.00	76	AW1412P	AW1412PP	12.87 x 10.87	327 x 276
16146-12LC	16.00 x 14.00 x 6.00	406 x 356 x 152	3.00	76	AW1614P	AW1614PP	14.87 x 12.87	378 x 327

Type 12/13 Panel Encl.



Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Type 12/13 Panel Enclosures

JIC Enclosures

Type 12 Continuous Hinge Cover

Data Sheet



Type 12/13 Panel Encl.

Application

- Houses electrical controls and instruments
- Protects against circulating dust, falling dirt and dripping non-corrosive liquids

Standards

- UL 508 listed, Type 12 and Type 13
- CSA C22.2 No.94 certified, Type 12 and Type 13
- Conforms to NEMA standard for Type 12 and Type 13
- Conforms to JIC standard EGP-1-1967

Finish

- Wash and phosphate undercoat
- ANSI 61 gray polyester powder finish
- Hardware and clamps are zinc plated

Accessories

- Panels
- JIC terminal strap kit
- JIC terminal strip kit
- Terminal blocks
- Touch-up paint
- #8-32 self tapping screw (10168)
- See Accessories section

Construction

- Enclosure and cover are fabricated from (16) gauge steel
- All continuous welded seams are finished smooth
- Cover is secured to the body with a continuous hinge on one side and easy-to-operate screw clamps mounted to the opposite side
- Cover has a seamless poured in-place gasket
- Ground stud provided on cover
- #10-32 weldnuts are provided for mounting optional panel on 6" x 4" and larger enclosures
- External mounting feet are provided for secure wall mounting

Discount Schedule: C2

Subclass: DE0

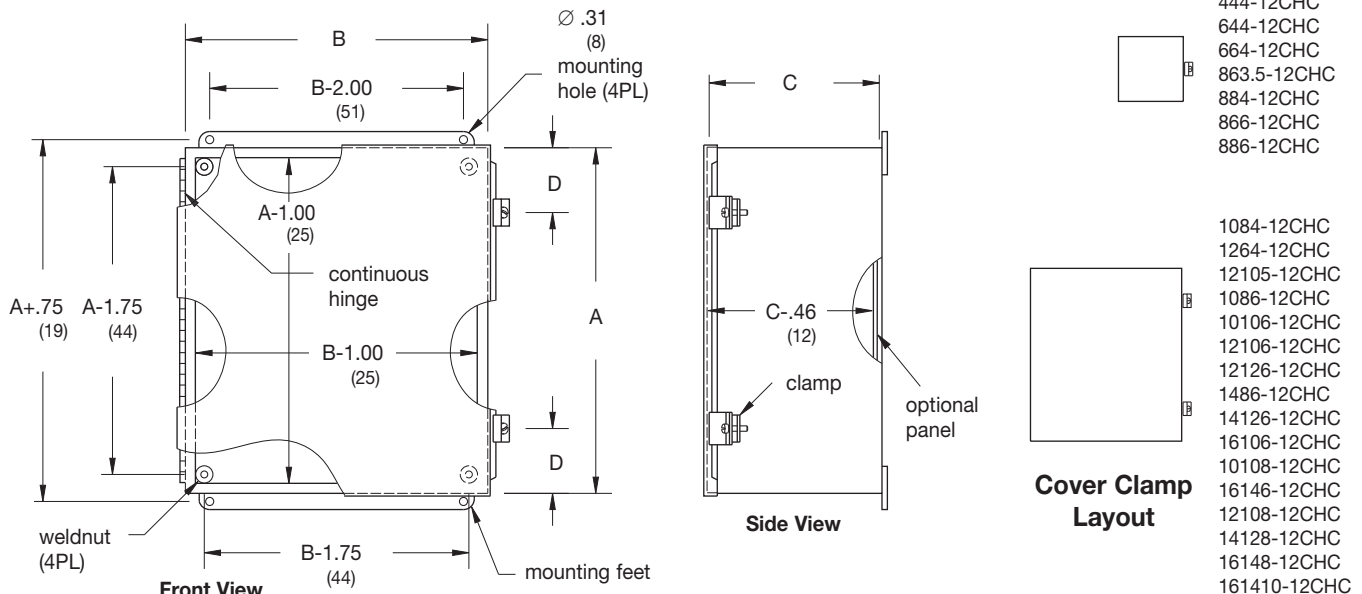
Notes: Cooper B-Line can provide special sizes, finishes and other modifications. Consult the factory for your special requirements.

Type 12 / 13 Panel Enclosures

JIC Enclosures Type 12 Continuous Hinge Cover Illustration Sheet and Catalog Number

Enclosure Catalog Number	Enclosure Size Height x Width x Depth A x B x C		D		Panel Catalog Number		Panel Size Height x Width	
	in.	mm	in.	mm	Solid	Perforated	in.	mm
443-12CHC	4.00 x 4.00 x 3.00	102 x 102 x 76	2.00	51	--	--	--	--
643-12CHC	6.00 x 4.00 x 3.00	152 x 102 x 76	3.00	76	AW64P	AW64PP	4.87 x 2.87	124 x 73
863.5-12CHC	8.00 x 6.00 x 3.50	203 x 152 x 89	4.00	102	AW86P	AW86PP	6.87 x 4.87	174 x 124
444-12CHC	4.00 x 4.00 x 4.00	102 x 102 x 102	2.00	51	--	--	--	--
644-12CHC	6.00 x 4.00 x 4.00	152 x 102 x 102	3.00	76	AW64P	AW64PP	4.87 x 2.87	124 x 76
664-12CHC	6.00 x 6.00 x 4.00	152 x 152 x 102	3.00	76	AW66P	AW66PP	4.87 x 4.87	124 x 124
884-12CHC	8.00 x 8.00 x 4.00	203 x 203 x 102	4.00	102	AW88P	AW88PP	6.87 x 6.87	174 x 174
1084-12CHC	10.00 x 8.00 x 4.00	254 x 203 x 102	2.00	51	AW108P	AW108PP	8.87 x 6.87	225 x 174
1084-12CHCS	10.00 x 8.00 x 4.00	254 x 203 x 102	2.00	51	AW108P	AW108PP	8.87 x 6.87	225 x 174
1264-12CHC	12.00 x 6.00 x 4.00	305 x 152 x 102	3.00	76	AW126P	AW126PP	10.87 x 4.87	272 x 124
12105-12CHC	12.00 x 10.00 x 5.00	305 x 254 x 127	3.00	76	AW1210P	AW1210PP	10.87 x 8.87	272 x 225
12105-12CHCS	12.00 x 10.00 x 5.00	305 x 254 x 127	3.00	76	AW1210P	AW1210PP	10.87 x 8.87	272 x 225
866-12CHC	8.00 x 6.00 x 6.00	203 x 152 x 152	4.00	102	AW86P	AW86PP	6.87 x 4.87	174 x 124
886-12CHC	8.00 x 8.00 x 6.00	203 x 203 x 152	4.00	102	AW88P	AW88PP	6.87 x 6.87	174 x 174
1086-12CHC	10.00 x 8.00 x 6.00	254 x 203 x 152	2.00	51	AW108P	AW108PP	8.87 x 6.87	225 x 174
10106-12CHC	10.00 x 10.00 x 6.00	254 x 254 x 152	2.00	51	AW1010P	AW1010PP	8.87 x 8.87	225 x 225
12106-12CHC	12.00 x 10.00 x 6.00	305 x 254 x 152	3.00	76	AW1210P	AW1210PP	10.87 x 8.87	272 x 225
12126-12CHC	12.00 x 12.00 x 6.00	305 x 305 x 152	3.00	76	AW1212P	AW1212PP	10.87 x 10.87	272 x 272
1486-12CHC	14.00 x 8.00 x 6.00	356 x 203 x 152	3.00	76	AW148P	AW148PP	12.87 x 6.87	327 x 174
14126-12CHC	14.00 x 12.00 x 6.00	356 x 305 x 152	3.00	76	AW1412P	AW1412PP	12.87 x 10.87	327 x 272
14126-12CHCS	14.00 x 12.00 x 6.00	356 x 305 x 152	3.00	76	AW1412P	AW1412PP	12.87 x 10.87	327 x 272
16106-12CHC	16.00 x 10.00 x 6.00	406 x 254 x 152	3.00	76	AW1610P	AW1610PP	14.87 x 8.87	378 x 225
16146-12CHC	16.00 x 14.00 x 6.00	406 x 356 x 152	3.00	76	AW1614P	AW1614PP	14.87 x 12.87	378 x 327
16146-12CHCS	16.00 x 14.00 x 6.00	406 x 356 x 152	3.00	76	AW1614P	AW1614PP	14.87 x 12.87	378 x 327
10108-12CHC	10.00 x 10.00 x 8.00	254 x 254 x 203	2.00	51	AW1010P	AW1010PP	8.87 x 8.87	225 x 225
12108-12CHC	12.00 x 10.00 x 8.00	305 x 254 x 203	3.00	76	AW1210P	AW1210PP	10.87 x 8.87	272 x 225
14128-12CHC	14.00 x 12.00 x 8.00	356 x 305 x 203	3.00	76	AW1412P	AW1412PP	12.87 x 10.87	327 x 272
16148-12CHC	16.00 x 14.00 x 8.00	406 x 356 x 203	3.00	76	AW1614P	AW1614PP	14.87 x 12.87	378 x 327
161410-12CHC	16.00 x 14.00 x 10.00	406 x 356 x 254	3.00	76	AW1614P	AW1614PP	14.87 x 12.87	378 x 327

Note: Catalog numbers ending in -12 CHCS are hinged on the short side.



Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Type 12/13 Panel Encl.

443-12CHC
643-12CHC
444-12CHC
644-12CHC
664-12CHC
863.5-12CHC
884-12CHC
866-12CHC
886-12CHC

1084-12CHC
1264-12CHC
12105-12CHC
1086-12CHC
10106-12CHC
12106-12CHC
12126-12CHC
1486-12CHC
14126-12CHC
16106-12CHC
10108-12CHC
16146-12CHC
12108-12CHC
14128-12CHC
16148-12CHC
161410-12CHC

Type 12/13 Panel Enclosures

JIC Enclosures Type 12 Screw Cover Data Sheet

Type 12/13 Panel Encl.



Application

- Houses electrical controls and instruments
- Protects against circulating dust, falling dirt and dripping non-corrosive liquids

Standards

- UL 508 listed, Type 12 and Type 13
- CSA C22.2 No.94 certified, Type 12 and Type 13
- Conforms to NEMA standard for Type 12 and Type 13
- Conforms to JIC standard EGP-1-1967

Finish

- Wash and phosphate undercoat
- ANSI 61 gray polyester powder finish

Accessories

- Panels
- JIC terminal strap kit
- JIC terminal strip kit
- Terminal blocks
- Touch-up paint
- #8-32 self tapping screw (10168)
- See Accessories section

Construction

- Enclosure and cover are fabricated from (16) gauge steel
- All continuous welded seams are finished smooth
- Cover is attached with captive screws which thread into sealed well nuts
- Cover has a fixed, oil-resistant gasket
- Ground stud provided on cover
- #10-32 weldnuts are provided for mounting optional panel on 6" x 4" and larger enclosures
- External mounting feet are provided for secure wall mounting

Discount Schedule: C2

Subclass: DE0

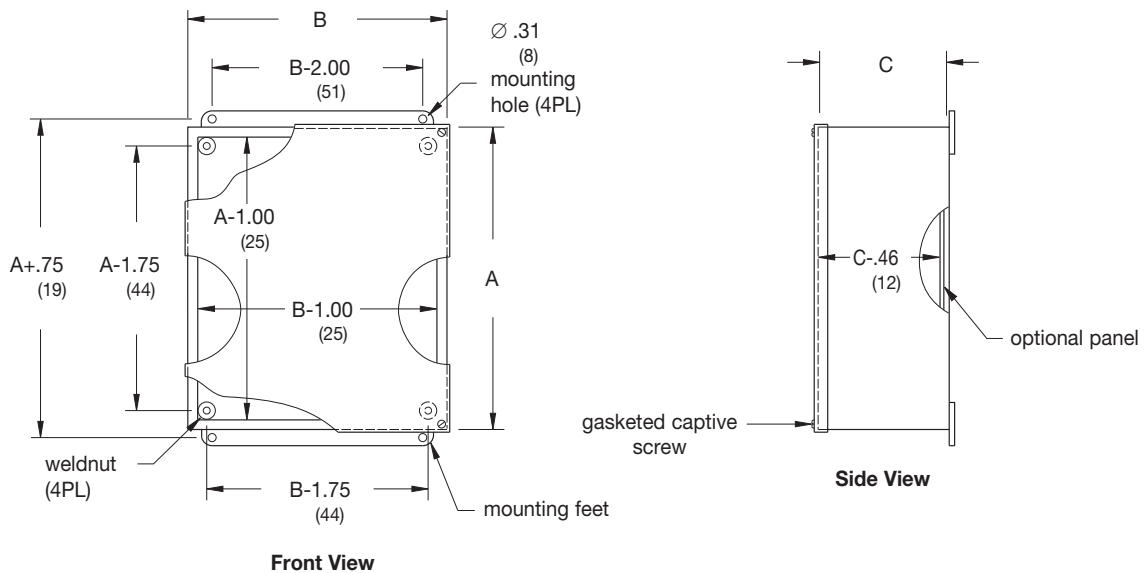
Notes: Cooper B-Line can provide special sizes, finishes and other modifications. Consult the factory for your special requirements.

Type 12 / 13 Panel Enclosures

JIC Enclosures Type 12 Screw Cover Illustration Sheet and Catalog Number

Enclosure Catalog Number	Enclosure Size Height x Width x Depth A x B x C		Panel Catalog Number		Panel Size Height x Width	
	in.	mm	Solid	Perforated	in.	mm
443-12SC	4.00 x 4.00 x 3.00	102 x 102 x 76	-	-	-	-
643-12SC	6.00 x 4.00 x 3.00	152 x 102 x 76	AW64P	AW64PP	4.87 x 2.87	124 x 73
863.5-12SC	8.00 x 6.00 x 3.50	203 x 152 x 89	AW86P	AW86PP	6.87 x 4.87	174 x 124
444-12SC	4.00 x 4.00 x 4.00	102 x 102 x 102	-	-	-	-
644-12SC	6.00 x 4.00 x 4.00	152 x 102 x 102	AW64P	AW64PP	4.87 x 2.87	124 x 73
664-12SC	6.00 x 6.00 x 4.00	152 x 152 x 102	AW66P	AW66PP	4.87 x 4.87	124 x 124
884-12SC	8.00 x 8.00 x 4.00	203 x 203 x 102	AW88P	AW88PP	6.87 x 6.87	174 x 174
1084-12SC	10.00 x 8.00 x 4.00	254 x 203 x 102	AW108P	AW108PP	8.87 x 6.87	225 x 174
10104-12SC	10.00 x 10.00 x 4.00	254 x 254 x 102	AW1010P	AW1010PP	8.87 x 8.87	225 x 225
12105-12SC	12.00 x 10.00 x 5.00	305 x 254 x 127	AW1210P	AW1210PP	10.87 x 8.87	272 x 225
866-12SC	8.00 x 6.00 x 6.00	203 x 152 x 152	AW86P	AW86PP	6.87 x 4.87	174 x 124
1086-12SC	10.00 x 8.00 x 6.00	254 x 203 x 152	AW108P	AW108PP	8.87 x 6.87	225 x 174
10106-12SC	10.00 x 10.00 x 6.00	254 x 254 x 152	AW1010P	AW1010PP	8.87 x 8.87	225 x 225
12126-12SC	12.00 x 12.00 x 6.00	305 x 305 x 152	AW1212P	AW1212PP	10.87 x 10.87	272 x 272
14126-12SC	14.00 x 12.00 x 6.00	356 x 305 x 152	AW1412P	AW1412PP	12.87 x 10.87	327 x 272
16146-12SC	16.00 x 14.00 x 6.00	406 x 356 x 152	AW1614P	AW1614PP	14.87 x 12.87	378 x 327

Type 12/13 Panel Encl.



Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Type 12/13 Panel Enclosures

JIC Enclosures

Type 12 Continuous Hinge Screw Cover

Data Sheet

Type 12/13 Panel Encl.



Application

- Houses electrical controls and instruments
- Protects against circulating dust, falling dirt and dripping non-corrosive liquids

Standards

- UL 508 listed, Type 12 and Type 13
- CSA C22.2 No.94 certified, Type 12 and Type 13
- Conforms to NEMA standard for Type 12 and Type 13
- Conforms to JIC standard EGP-1-1967

Finish

- Wash and phosphate undercoat
- ANSI 61 gray polyester powder finish

Accessories

- Panels
- JIC terminal strap kit
- JIC terminal strip kit
- Terminal blocks
- Touch-up paint
- #8-32 self tapping screw (10168)
- See Accessories section

Construction

- Enclosure and cover are fabricated from (16) gauge steel
- All continuous welded seams are finished smooth
- Cover is secured to the body with a continuous hinge on one side and captive screws which thread into sealed well nuts on the opposite side
- Cover has a fixed, oil-resistant gasket
- Ground stud provided on cover
- #10-32 weldnuts are provided for mounting optional panel
- External mounting feet are provided for secure wall mounting

Discount Schedule: C2

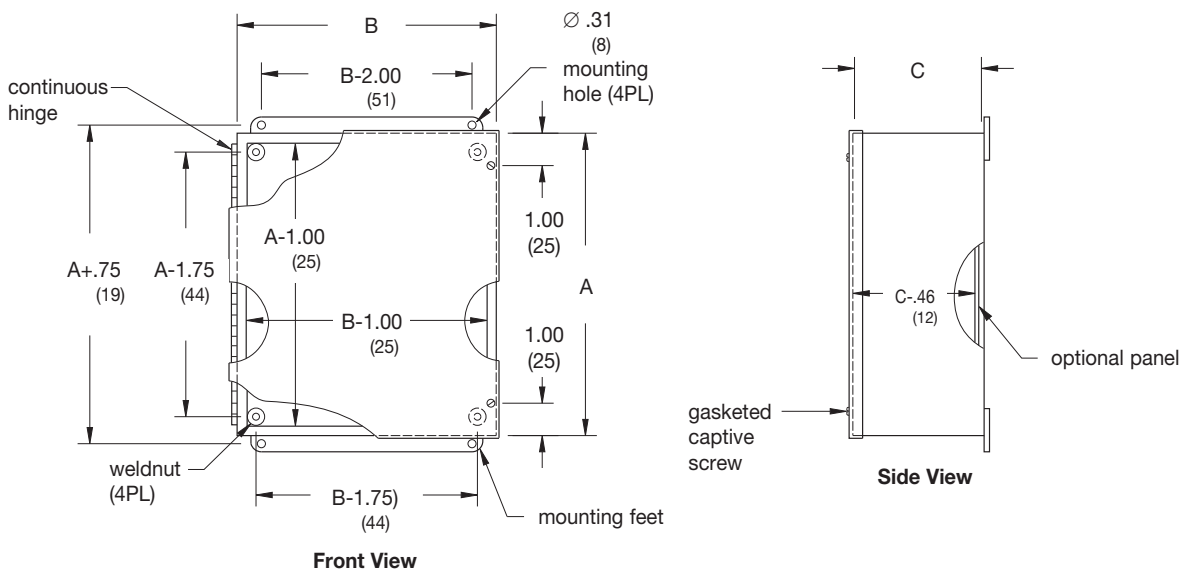
Subclass: DE0

Notes: Cooper B-Line can provide special sizes, finishes and other modifications. Consult the factory for your special requirements.

JIC Enclosures Type 12 Continuous Hinge Screw Cover Illustration Sheet and Catalog Number

Enclosure Catalog Number	Enclosure Size Height x Width x Depth A x B x C		Panel Catalog Number		Panel Size Height x Width	
	in.	mm	Solid	Perforated	in.	mm
664-12CHSC	6.00 x 6.00 x 4.00	152 x 152 x 102	AW66P	AW66PP	4.87 x 4.87	124 x 124
864-12CHSC	8.00 x 6.00 x 4.00	203 x 152 x 102	AW86P	AW86PP	6.87 x 4.87	174 x 124
884-12CHSC	8.00 x 8.00 x 4.00	203 x 203 x 102	AW88P	AW88PP	6.87 x 6.87	174 x 174
1084-12CHSC	10.00 x 8.00 x 4.00	254 x 203 x 102	AW108P	AW108PP	8.87 x 6.87	225 x 174
10104-12CHSC	10.00 x 10.00 x 4.00	254 x 254 x 102	AW1010P	AW1010PP	8.87 x 8.87	225 x 225
12104-12CHSC	12.00 x 10.00 x 4.00	305 x 254 x 102	AW1210P	AW1210PP	10.87 x 8.87	272 x 225
866-12CHSC	8.00 x 6.00 x 6.00	203 x 152 x 152	AW86P	AW86PP	6.87 x 4.87	174 x 124
886-12CHSC	8.00 x 8.00 x 6.00	203 x 203 x 152	AW88P	AW88PP	6.87 x 6.87	174 x 174
1086-12CHSC	10.00 x 8.00 x 6.00	254 x 203 x 152	AW108P	AW108PP	8.87 x 6.87	225 x 174
10106-12CHSC	10.00 x 10.00 x 6.00	254 x 254 x 152	AW1010P	AW1010PP	8.87 x 8.87	225 x 225
12106-12CHSC	12.00 x 10.00 x 6.00	305 x 254 x 152	AW1210P	AW1210PP	10.87 x 8.87	272 x 225
12126-12CHSC	12.00 x 12.00 x 6.00	305 x 305 x 152	AW1212P	AW1212PP	10.87 x 10.87	272 x 272
14126-12CHSC	14.00 x 12.00 x 6.00	356 x 305 x 152	AW1412P	AW1412PP	12.87 x 10.87	327 x 272

Type 12/13 Panel Encl.



Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Type 12/13 Panel Enclosures

JIC Enclosures

Type 12 Continuous Hinge Quick-Release Cover

Data Sheet

Type 12/13 Panel Encl.



Application

- Houses electrical controls and instruments
- Protects against circulating dust, falling dirt and dripping non-corrosive liquids

Standards

- UL 508 listed, Type 12 and Type 13
- Conforms to NEMA standard for Type 12 and Type 13
- Conforms to JIC standard EGP-1-1967

Finish

- Wash and phosphate undercoat
- ANSI 61 gray polyester powder finish
- Latches are zinc plated

Accessories

- Panels
- JIC terminal strap kit
- JIC terminal strip kit
- Terminal blocks
- Touch-up paint
- #8-32 self tapping screw (10168)
- See Accessories section

Construction

- Enclosure and cover are fabricated from (16) gauge steel
- All continuous welded seams are finished smooth
- Cover is secured to the body with a continuous hinge on one side and quick-release latches mounted to the opposite side
- Cover has a seamless poured in-place gasket
- Ground stud provided on cover
- #10-32 weldnuts are provided for mounting optional panel
- External mounting feet are provided for secure wall mounting

Discount Schedule: C2

Subclass: DE0

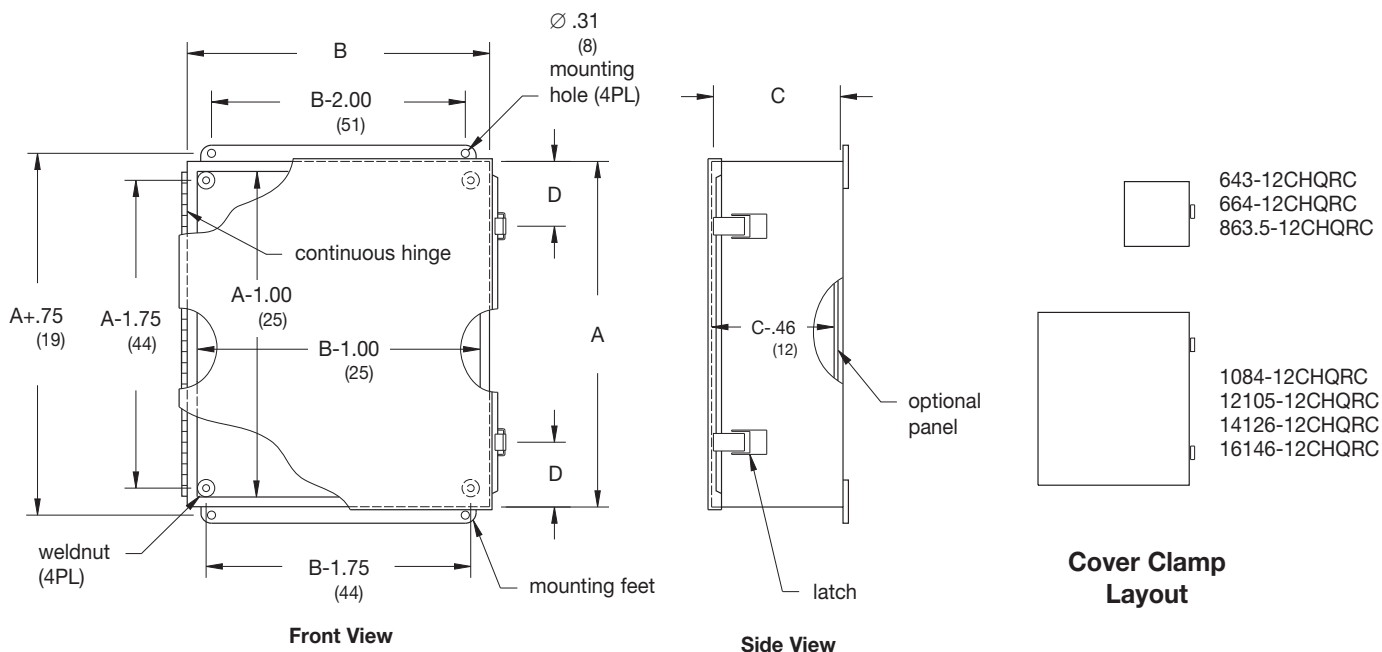
Notes: Cooper B-Line can provide special sizes, finishes and other modifications. Consult the factory for your special requirements.

Type 12/13 Panel Enclosures

JIC Enclosures Type 12 Continuous Hinge Quick-Release Cover Illustration Sheet and Catalog Number

Enclosure Catalog Number	Enclosure Size Height x Width x Depth A x B x C		D		Panel Catalog Number		Panel Size Height x Width	
	in.	mm	in.	mm	Solid	Perforated	in.	mm
643-12CHQRC	6.00 x 4.00 x 3.00	152 x 102 x 76	3.00	76	AW64P	AW64PP	4.87 x 2.87	124 x 73
863.5-12CHQRC	8.00 x 6.00 x 3.50	203 x 152 x 102	4.00	102	AW86P	AW86PP	6.87 x 4.87	174 x 124
664-12CHQRC	6.00 x 6.00 x 4.00	152 x 152 x 102	3.00	76	AW66P	AW66PP	4.87 x 4.87	124 x 124
1084-12CHQRC	10.00 x 8.00 x 4.00	254 x 203 x 102	2.00	51	AW108P	AW108PP	8.87 x 6.87	225 x 174
12105-12CHQRC	12.00 x 10.00 x 5.00	305 x 254 x 127	3.00	76	AW1210P	AW1210PP	10.87 x 8.87	272 x 225
14126-12CHQRC	14.00 x 12.00 x 6.00	356 x 305 x 152	3.00	76	AW1412P	AW1412PP	12.87 x 10.87	327 x 272
16146-12CHQRC	16.00 x 14.00 x 6.00	406 x 356 x 152	3.00	76	AW1614P	AW1614PP	14.87 x 12.87	378 x 327

Type 12/13 Panel Encl.



Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Type 12/13 Panel Enclosures

JIC Enclosures

Type 12 Large Continuous Hinge Screw Cover

Data Sheet

Type 12/13 Panel Encl.



Application

- Houses electrical controls and instruments
- Protects against circulating dust, falling dirt and dripping non-corrosive liquids

Standards

- UL 508 listed, Type 12 and Type 13
- CSA C22.2 No.94 certified, Type 12 and Type 13
- Conforms to NEMA standard for Type 12 and Type 13
- Conforms to JIC standard EGP-1-1967

Finish

- Wash and phosphate undercoat
- ANSI 61 gray polyester powder finish
- Panels have a white enamel finish

Accessories

- NEMA terminal strap kit
- Terminal blocks
- Touch-up paint
- See Accessories section

Construction

- Enclosure and door are fabricated from (14) gauge steel
- All continuous welded seams are finished smooth
- Door is secured to the body with a continuous hinge on one side and captive hex head screws which thread into sealed well nuts on the opposite side
- Each door has a print pocket
- Door has a fixed, oil-resistant gasket
- Ground stud provided on door
- Heavy gauge panel mounted to .375-16 collar studs is provided with enclosure
- External mounting feet are provided for secure wall mounting

Discount Schedule: C2

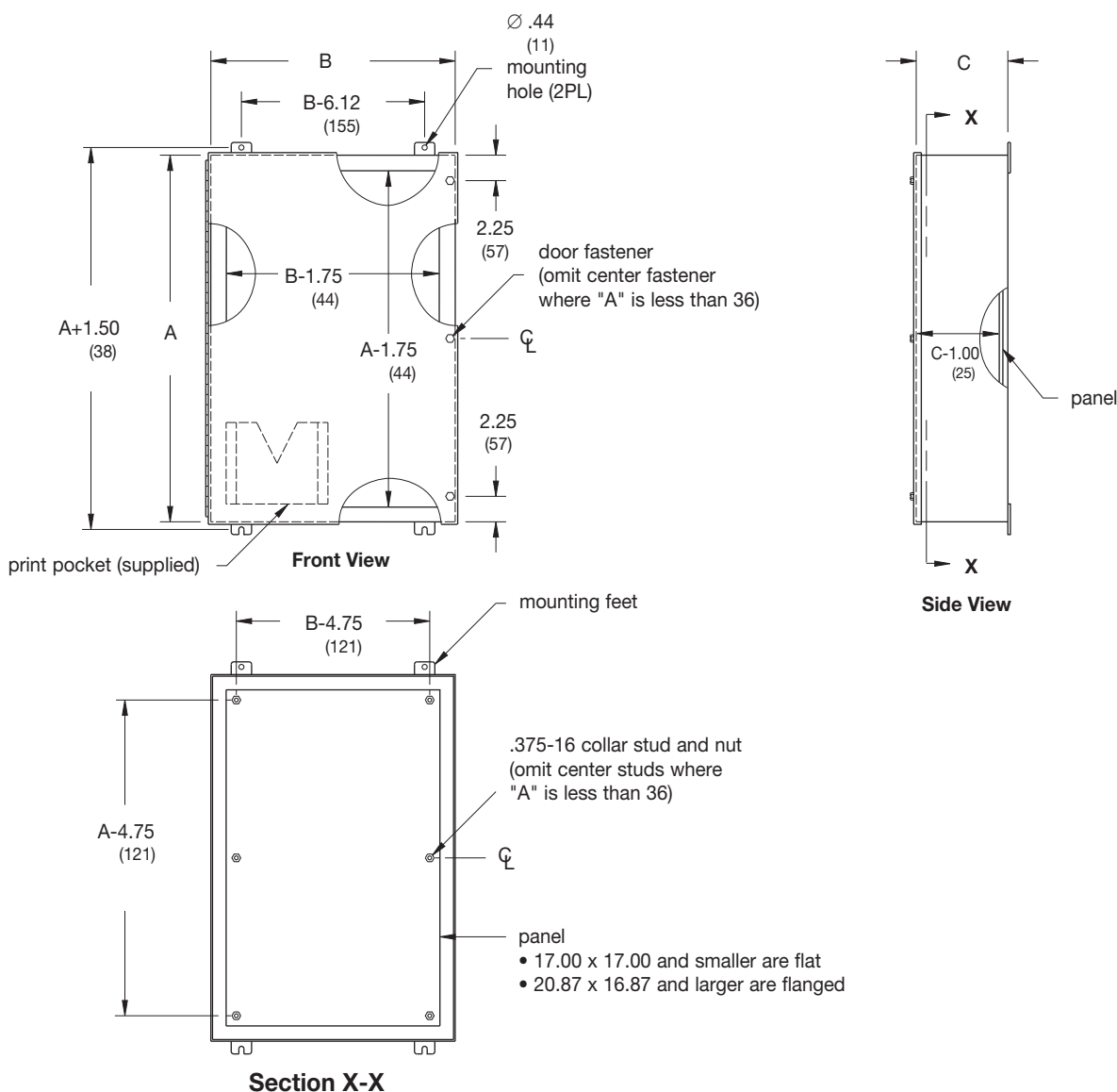
Subclass: DH0

Notes: Cooper B-Line can provide special sizes, finishes and other modifications. Consult the factory for your special requirements.

Type 12 / 13 Panel Enclosures

JIC Enclosures Type 12 Large Continuous Hinge Screw Cover Illustration Sheet and Catalog Number

Enclosure Catalog Number	Enclosure Size Height x Width x Depth A x B x C		Panel Size Height x Width	
	in.	mm	in.	mm
20167-12CHSC	20.00 x 16.00 x 7.00	508 x 406 x 178	17.00 x 13.00	432 x 330
20207-12CHSC	20.00 x 20.00 x 7.00	508 x 508 x 178	17.00 x 17.00	432 x 432
24207-12CHSC	24.00 x 20.00 x 7.00	610 x 508 x 178	20.87 x 16.87	530 x 428
30207-12CHSC	30.00 x 20.00 x 7.00	762 x 508 x 178	26.87 x 16.87	682 x 428
30247-12CHSC	30.00 x 24.00 x 7.00	762 x 610 x 178	26.87 x 20.87	682 x 530
36247-12CHSC	36.00 x 24.00 x 7.00	914 x 610 x 178	32.87 x 20.87	835 x 530
24209-12CHSC	24.00 x 20.00 x 9.00	610 x 508 x 229	20.87 x 16.87	530 x 428
30209-12CHSC	30.00 x 20.00 x 9.00	762 x 508 x 229	26.87 x 16.87	682 x 428
30249-12CHSC	30.00 x 24.00 x 9.00	762 x 610 x 229	26.87 x 20.87	682 x 530
36249-12CHSC	36.00 x 24.00 x 9.00	914 x 610 x 229	32.87 x 20.87	835 x 530



Type 12/13 Panel Encl.

Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Type 12/13 Panel Enclosures

JIC Enclosures

Type 12 Continuous Hinge Flanged Trough Cover

Data Sheet



Type 12/13 Panel Encl.

Application

- Houses electrical controls and instruments
- Protects against circulating dust, falling dirt and dripping non-corrosive liquids

Standards

- UL 508 Listed, Type 12 and Type 13
- CSA C22.2 No. 94 certified, Type 12 and Type 13
- Conforms to NEMA standard for Type 12 and Type 13

Finish

- Wash and phosphate undercoat
- ANSI 61 gray polyester powder finish
- Optional panels have a white enamel finish

Accessories

- Panels
- JIC terminal strap kit
- JIC terminal strip kit
- JIC terminal blocks
- Touch-up paint
- #8-32 self tapping screw (10168)

Construction

- Enclosure and door are fabricated from 16 gauge steel
- Body flange trough design, formed around body opening, diverts liquid contaminants away from door opening
- Cover has a seamless poured in-place gasket
- Integral compression stop to prevent over compression of gasket for optimal gasket performance
- Ground stud provided on door
- Door is secured to the body with a continuous hinge on one side and heavy-duty latches on the opposite side
- #10-32 weldnuts are provided for mounting optional panels
- External mounting feet are provided for secure wall mounting

Discount Schedule: C2

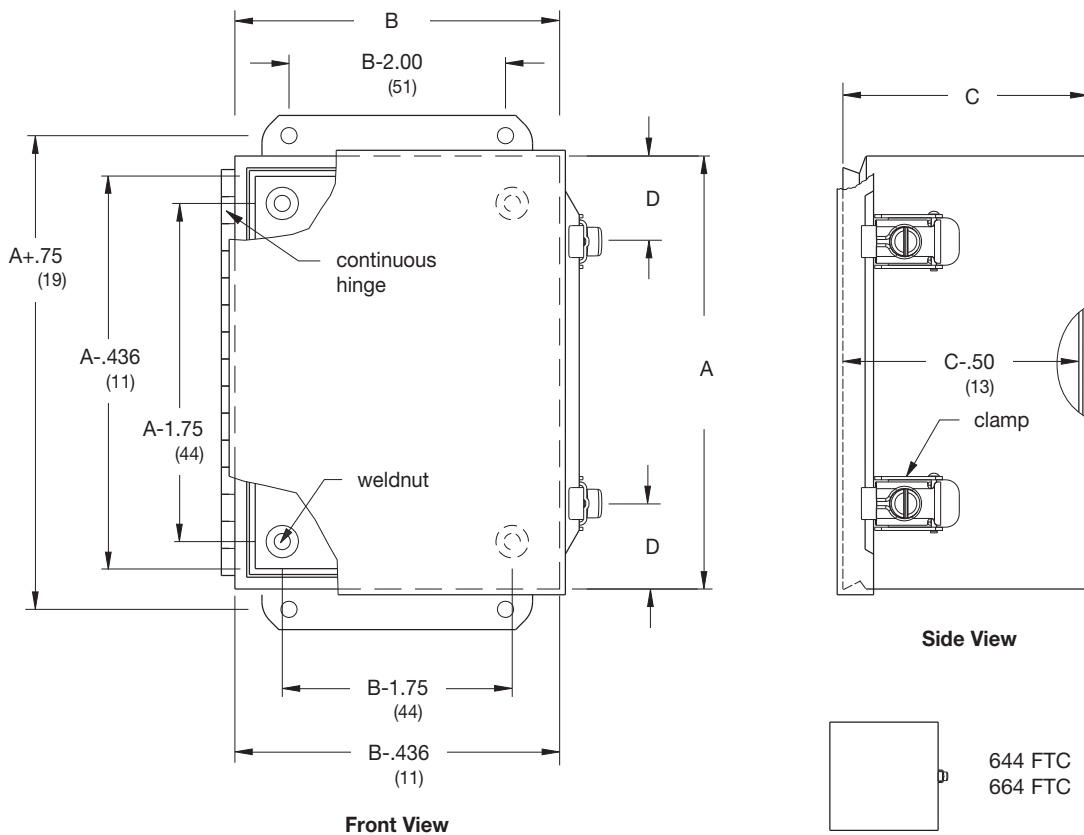
Subclass: DEO

Notes: Cooper B-Line can provide special sizes, finishes and other modifications. Consult the factory for your special requirements.

Type 12 / 13 Panel Enclosures

JIC Enclosures Type 12 Continuous Hinge Flanged Trough Cover Illustration Sheet and Catalog Number

Enclosure Catalog Number	Enclosure Size Height x Width x Depth A x B x C		D		Panel Catalog Number		Panel Size Height x Width	
	in.	mm	in.	mm	Solid	Perforated	in.	mm
644-FTC	6.00 x 4.00 x 4.54	152 x 102 x 115	3.00	76	AW64P	AW64PP	4.87 x 2.87	124 x 73
664-FTC	6.00 x 6.00 x 4.54	152 x 152 x 115	3.00	76	AW66P	AW66PP	4.87 x 4.87	124 x 124
864-FTC	8.00 x 6.00 x 4.54	203 x 152 x 115	2.00	51	AW86P	AW86PP	6.87 x 4.87	174 x 124
1084-FTC	10.00 x 8.00 x 4.54	254 x 203 x 115	2.00	51	AW108P	AW108PP	8.87 x 6.87	225 x 174
12105-FTC	12.00 x 10.00 x 5.54	305 x 254 x 141	2.00	51	AW1210P	AW1210PP	10.87 x 8.87	272 x 225
14126-FTC	14.00 x 12.00 x 6.54	356 x 305 x 166	2.00	51	AW1412P	AW1412PP	12.87 x 10.87	327 x 272
16146-FTC	16.00 x 14.00 x 6.54	406 x 356 x 166	2.00	51	AW1614P	AW1614PP	14.87 x 12.87	378 x 327



Type 12/13 Panel Encl.

Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Type 12/13 Panel Enclosures

Wall-Mount Enclosures Type 12 Single-Door Data Sheet

Type 12/13 Panel Encl.



Application

- Houses electrical controls and instruments
- Protects against circulating dust, falling dirt and dripping non-corrosive liquids

Standards

- UL 508 listed, Type 12 and Type 13
- CSA C22.2 No.94 certified, Type 12 and Type 13
- Conforms to NEMA standard for Type 12 and Type 13

Finish

- Wash and phosphate undercoat
- ANSI 61 gray polyester powder finish

Accessories

- Panels
- NEMA terminal strap kit
- Terminal blocks
- Type 12 door handle kit
- Floor stand kit
- Touch-up paint
- See Accessories section

Construction

- Enclosure and door are fabricated from code gauge steel, (see tables, pages 106 & 107)
- All continuous welded seams are finished smooth
- Doors are secured to the body with a heavy-duty continuous hinge on one side and easy-to-release door clamps mounted to the opposite side
- Each door has a padlock hasp with sealing hole provision
- Print pocket provided
- Door has a seamless poured in-place gasket
- Ground stud provided on door
- Formed lip around enclosure opening diverts liquids and contaminants
- .375-16 collar studs are provided for mounting optional panel
- External mounting feet are provided for secure wall mounting

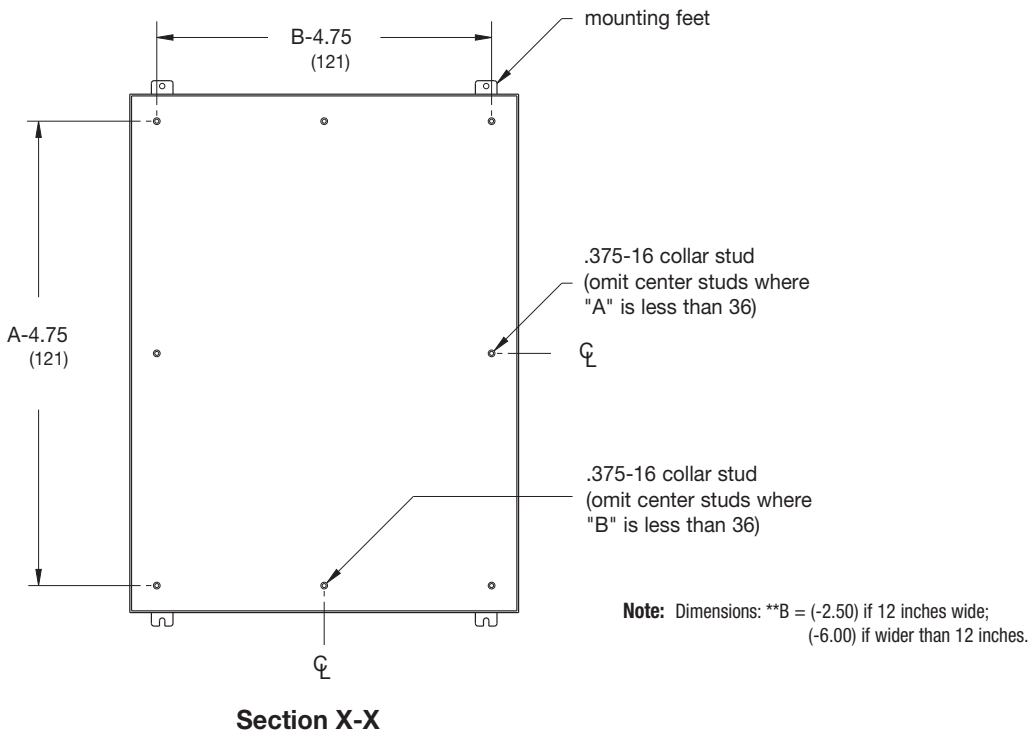
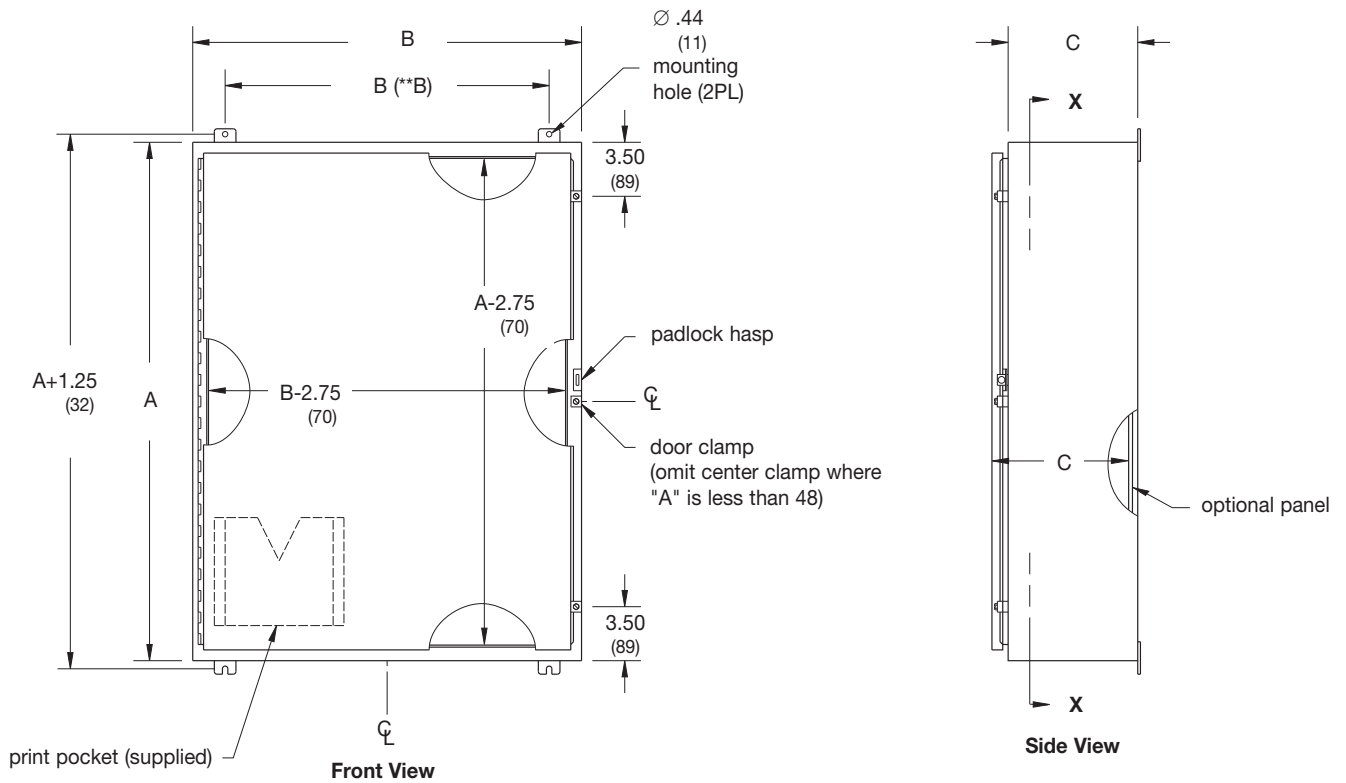
Discount Schedule: C2

Subclass: DH0

Notes: Cooper B-Line can provide special sizes, finishes and other modifications. Consult the factory for your special requirements.

Wall-Mount Enclosures Type 12 Single-Door Illustration Sheet

See pages 106 & 107 for dimensions



Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Type 12/13 Panel Enclosures

Wall-Mount Enclosures Type 12 Single-Door Catalog Number

Type 12/13 Panel Encl.

Enclosure Catalog Number	Enclosure Size Height x Width x Depth		Gauge	Panel Catalog Number		Panel Size Height x Width	
	A x B x C			Painted	Conductive	in.	mm
	in.	mm					
12246-12	12.00 x 24.00 x 6.00	305 x 610 x 152	16	AW2412P	--	9.00 x 21.00	229 x 533
16126-12	16.00 x 12.00 x 6.00	406 x 305 x 152	16	AW1612P	AW1612GP	13.00 x 9.00	330 x 229
16166-12	16.00 x 16.00 x 6.00	406 x 406 x 152	16	AW1616P	AW1616GP	13.00 x 13.00	330 x 330
16206-12	16.00 x 20.00 x 6.00	406 x 508 x 152	16	AW2016P	AW2016GP	13.00 x 17.00	330 x 432
20126-12	20.00 x 12.00 x 6.00	508 x 305 x 152	16	AW2012P	--	17.00 x 9.00	432 x 229
20166-12	20.00 x 16.00 x 6.00	508 x 406 x 152	16	AW2016P	AW2016GP	17.00 x 13.00	432 x 330
20206-12	20.00 x 20.00 x 6.00	508 x 508 x 152	16	AW2020P	AW2020GP	17.00 x 17.00	432 x 432
20246-12	20.00 x 24.00 x 6.00	508 x 610 x 152	16	AW2420P	AW2420GP	16.87 x 20.87	428 x 530
24126-12	24.00 x 12.00 x 6.00	610 x 305 x 152	16	AW2412P	--	21.00 x 9.00	533 x 229
24166-12	24.00 x 16.00 x 6.00	610 x 406 x 152	16	AW2416P	AW2416GP	21.00 x 13.00	533 x 330
24206-12	24.00 x 20.00 x 6.00	610 x 508 x 152	16	AW2420P	AW2420GP	20.87 x 16.87	530 x 428
24246-12	24.00 x 24.00 x 6.00	610 x 610 x 152	14	AW2424P	AW2424GP	20.87 x 20.87	530 x 530
30166-12	30.00 x 16.00 x 6.00	762 x 406 x 152	16	AW3016P	AW3016GP	26.87 x 12.87	682 x 327
30206-12	30.00 x 20.00 x 6.00	762 x 508 x 152	14	AW3020P	AW3020GP	26.87 x 16.87	682 x 428
30246-12	30.00 x 24.00 x 6.00	762 x 610 x 152	14	AW3024P	AW3024GP	26.87 x 20.87	682 x 530
36246-12	36.00 x 24.00 x 6.00	914 x 610 x 152	14	AW3624P	AW3624GP	32.87 x 20.87	835 x 530
36306-12	36.00 x 30.00 x 6.00	914 x 762 x 152	14	AW3630P	AW3630GP	32.87 x 26.87	835 x 682
12248-12	12.00 x 24.00 x 8.00	305 x 610 x 203	16	AW2412P	--	9.00 x 21.00	229 x 533
16128-12	16.00 x 12.00 x 8.00	406 x 305 x 203	16	AW1612P	AW1612GP	13.00 x 9.00	330 x 229
16168-12	16.00 x 16.00 x 8.00	406 x 406 x 203	16	AW1616P	AW1616GP	13.00 x 13.00	330 x 330
16208-12	16.00 x 20.00 x 8.00	406 x 508 x 203	16	AW2016P	AW2016GP	13.00 x 17.00	330 x 432
20128-12	20.00 x 12.00 x 8.00	508 x 305 x 203	16	AW2012P	--	17.00 x 9.00	432 x 229
20168-12	20.00 x 16.00 x 8.00	508 x 406 x 203	16	AW2016P	AW2016GP	17.00 x 13.00	432 x 330
20208-12	20.00 x 20.00 x 8.00	508 x 508 x 203	16	AW2020P	AW2020GP	17.00 x 17.00	432 x 432
20248-12	20.00 x 24.00 x 8.00	508 x 610 x 203	16	AW2420P	AW2420GP	16.87 x 20.87	428 x 530
24128-12	24.00 x 12.00 x 8.00	610 x 305 x 203	16	AW2412P	--	21.00 x 9.00	533 x 229
24168-12	24.00 x 16.00 x 8.00	610 x 406 x 203	16	AW2416P	AW2416GP	21.00 x 13.00	533 x 330
24208-12	24.00 x 20.00 x 8.00	610 x 508 x 203	16	AW2420P	AW2420GP	20.87 x 16.87	530 x 428
24248-12	24.00 x 24.00 x 8.00	610 x 610 x 203	14	AW2424P	AW2424GP	20.87 x 20.87	530 x 530
24308-12	24.00 x 30.00 x 8.00	610 x 762 x 203	14	AW3024P	AW3024GP	20.87 x 26.87	530 x 682
30208-12	30.00 x 20.00 x 8.00	762 x 508 x 203	14	AW3020P	AW3020GP	26.87 x 16.87	682 x 428
30248-12	30.00 x 24.00 x 8.00	762 x 610 x 203	14	AW3024P	AW3024GP	26.87 x 20.87	682 x 530
30308-12	30.00 x 30.00 x 8.00	762 x 762 x 203	14	AW3030P	AW3030GP	26.87 x 26.87	682 x 682
30368-12	30.00 x 36.00 x 8.00	762 x 914 x 203	14	AW3630P	AW3630GP	26.87 x 32.87	682 x 835
36248-12	36.00 x 24.00 x 8.00	914 x 610 x 203	14	AW3624P	AW3624GP	32.87 x 20.87	835 x 530
36308-12	36.00 x 30.00 x 8.00	914 x 762 x 203	14	AW3630P	AW3630GP	32.87 x 26.87	835 x 682
36368-12	36.00 x 36.00 x 8.00	914 x 914 x 203	14	AW3636P	--	32.87 x 32.87	835 x 835
42248-12	42.00 x 24.00 x 8.00	1067 x 670 x 203	14	AW4224P	--	38.87 x 20.87	987 x 530
42308-12	42.00 x 30.00 x 8.00	1067 x 762 x 203	14	AW4230P	AW4230GP	38.87 x 26.87	987 x 682
42368-12	42.00 x 36.00 x 8.00	1067 x 914 x 203	14	AW4236P	AW4236GP	38.87 x 32.87	987 x 835
48248-12	48.00 x 24.00 x 8.00	1219 x 610 x 203	14	AW4824P	--	44.87 x 20.87	1140 x 530
48308-12	48.00 x 30.00 x 8.00	1219 x 762 x 203	14	AW4830P	AW4830GP	44.87 x 26.87	1140 x 682
48368-12	48.00 x 36.00 x 8.00	1219 x 914 x 203	14	AW4836P	AW4836GP	44.87 x 32.87	1140 x 835
60368-12	60.00 x 36.00 x 8.00	1524 x 914 x 203	14	AW6036P	AW6036GP	56.87 x 32.87	1444 x 835

Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Type 12 / 13 Panel Enclosures

Wall-Mount Enclosures Type 12 Single-Door Catalog Number (cont'd)

Enclosure Catalog Number	Enclosure Size Height x Width x Depth A x B x C		Gauge	Panel Catalog Number		Panel Size Height x Width	
	in.	mm		Painted	Conductive	in.	mm
	161210-12	16.00 x 12.00 x 10.00		406 x 305 x 254	16	AW1612P	AW1612GP
201610-12	20.00 x 16.00 x 10.00	508 x 406 x 254	16	AW2016P	AW2016GP	17.00 x 13.00	432 x 330
202010-12	20.00 x 20.00 x 10.00	508 x 508 x 254	16	AW2020P	AW2020GP	17.00 x 17.00	432 x 432
241210-12	24.00 x 12.00 x 10.00	610 x 305 x 254	16	AW2412P	--	21.00 x 9.00	533 x 229
242010-12	24.00 x 20.00 x 10.00	610 x 508 x 254	16	AW2420P	AW2420GP	20.87 x 16.87	530 x 428
242410-12	24.00 x 24.00 x 10.00	610 x 610 x 254	14	AW2424P	AW2424GP	20.87 x 20.87	530 x 530
302010-12	30.00 x 20.00 x 10.00	762 x 508 x 254	14	AW3020P	AW3020GP	26.87 x 16.87	682 x 428
302410-12	30.00 x 24.00 x 10.00	762 x 610 x 254	14	AW3024P	AW3024GP	26.87 x 20.87	682 x 530
362410-12	36.00 x 24.00 x 10.00	914 x 610 x 254	14	AW3624P	AW3624GP	32.87 x 20.87	835 x 530
363010-12	36.00 x 30.00 x 10.00	914 x 762 x 254	14	AW3630P	AW3630GP	32.87 x 26.87	835 x 682
423010-12	42.00 x 30.00 x 10.00	1067 x 762 x 254	14	AW4230P	AW4230GP	38.87 x 26.87	987 x 682
423610-12	42.00 x 36.00 x 10.00	1067 x 914 x 254	14	AW4236P	AW4236GP	38.87 x 32.87	987 x 835
483010-12	48.00 x 30.00 x 10.00	1219 x 762 x 254	14	AW4830P	AW4830GP	44.87 x 26.87	1140 x 682
483610-12	48.00 x 36.00 x 10.00	1219 x 914 x 254	14	AW4836P	AW4836GP	44.87 x 32.87	1140 x 835
603610-12	60.00 x 36.00 x 10.00	1524 x 914 x 254	14	AW6036P	AW6036GP	56.87 x 32.87	1444 x 835
201612-12	20.00 x 16.00 x 12.00	508 x 406 x 305	16	AW2016P	AW2016GP	17.00 x 13.00	432 x 330
242012-12	24.00 x 20.00 x 12.00	610 x 508 x 305	16	AW2420P	AW2420GP	20.87 x 16.87	530 x 428
242412-12	24.00 x 24.00 x 12.00	610 x 610 x 305	14	AW2424P	AW2424GP	20.87 x 20.87	530 x 530
302412-12	30.00 x 24.00 x 12.00	762 x 610 x 305	14	AW3024P	AW3024GP	26.87 x 20.87	682 x 530
303012-12	30.00 x 30.00 x 12.00	762 x 762 x 305	14	AW3030P	AW3030GP	26.87 x 26.87	682 x 682
362412-12	36.00 x 24.00 x 12.00	914 x 610 x 305	14	AW3624P	AW3624GP	32.87 x 20.87	835 x 530
363012-12	36.00 x 30.00 x 12.00	914 x 762 x 305	14	AW3630P	AW3630GP	32.87 x 26.87	835 x 682
363612-12	36.00 x 36.00 x 12.00	914 x 914 x 305	14	AW3636P	--	32.87 x 32.87	835 x 835
423012-12	42.00 x 30.00 x 12.00	1067 x 762 x 305	14	AW4230P	AW4230GP	38.87 x 26.87	987 x 682
423612-12	42.00 x 36.00 x 12.00	1067 x 914 x 305	14	AW4236P	AW4236GP	38.87 x 32.87	987 x 835
483612-12	48.00 x 36.00 x 12.00	1219 x 914 x 305	14	AW4836P	AW4836GP	44.87 x 32.87	1140 x 835
603612-12	60.00 x 36.00 x 12.00	1524 x 914 x 305	14	AW6036P	AW6036GP	56.87 x 32.87	1444 x 835
723612-12	72.00 x 36.00 x 12.00	1829 x 914 x 305	14	AW7236P	--	68.87 x 32.87	1749 x 835
242016-12	24.00 x 20.00 x 16.00	610 x 508 x 406	16	AW2420P	AW2420GP	20.87 x 16.87	530 x 428
242416-12	24.00 x 24.00 x 16.00	610 x 610 x 406	14	AW2424P	AW2424GP	20.87 x 20.87	530 x 530
302416-12	30.00 x 24.00 x 16.00	762 x 610 x 406	14	AW3024P	AW3024GP	26.87 x 20.87	682 x 530
363016-12	36.00 x 30.00 x 16.00	914 x 762 x 406	14	AW3630P	AW3630GP	32.87 x 26.87	835 x 682
423616-12	42.00 x 36.00 x 16.00	1067 x 914 x 406	14	AW4236P	AW4236GP	38.87 x 32.87	987 x 835
483616-12	48.00 x 36.00 x 16.00	1219 x 914 x 406	14	AW4836P	AW4836GP	44.87 x 32.87	1140 x 835
603616-12	60.00 x 36.00 x 16.00	1524 x 914 x 406	14	AW6036P	AW6036GP	56.87 x 32.87	1444 x 835
723016-12	72.00 x 30.00 x 16.00	1829 x 762 x 406	14	AW7230P	--	68.87 x 26.87	1749 x 682
302420-12	30.00 x 24.00 x 20.00	762 x 610 x 508	14	AW3024P	AW3024GP	26.87 x 20.87	682 x 530
363020-12	36.00 x 30.00 x 20.00	914 x 762 x 508	14	AW3630P	AW3630GP	32.87 x 26.87	835 x 682
483620-12	48.00 x 36.00 x 20.00	1219 x 914 x 508	14	AW4836P	AW4836GP	44.87 x 32.87	1140 x 835
603620-12	60.00 x 36.00 x 20.00	1524 x 914 x 508	14	AW6036P	AW6036GP	56.87 x 32.87	1444 x 835
723020-12	72.00 x 30.00 x 20.00	1829 x 762 x 508	14	AW7230P	--	68.87 x 26.87	1749 x 682
302424-12	30.00 x 24.00 x 24.00	762 x 610 x 610	14	AW3024P	AW3024GP	26.87 x 20.87	682 x 530
723024-12	72.00 x 30.00 x 24.00	1829 x 762 x 610	14	AW7230P	--	68.87 x 26.87	1749 x 682

Type 12/13 Panel Encl.

Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Type 12/13 Panel Enclosures

Wall-Mount Enclosures Type 12 Terminal Data Sheet



Type 12/13 Panel Encl.

Application

- Houses and protects wiring terminals
- Protects against circulating dust, falling dirt and dripping non-corrosive liquids

Standards

- UL 508 listed, Type 12 and Type 13
- CSA C22.2 No.94 certified, Type 12 and Type 13
- Conforms to NEMA standard for Type 12 and Type 13

Finish

- Wash and phosphate undercoat
- ANSI 61 gray polyester powder finish
- Terminal strap assembly has an electrogalvanized finish

Accessories

- Panels
- Extra strap kit
- Terminal blocks
- Type 12 door handle kit
- Floor stand kit
- Touch-up paint
- See Accessories section

Construction

- Enclosure and door are fabricated from code gauge steel, (see table, page 109)
- All continuous welded seams are finished smooth
- Doors are secured to the body with a heavy-duty continuous hinge on one side and easy-to-release door clamps mounted to the opposite side
- Each door has a padlock hasp with sealing hole provision
- Print pocket provided
- Door has a seamless poured in-place gasket
- Ground stud provided on door
- Formed lip around enclosure opening diverts liquids and contaminants
- Removable terminal strap assembly is installed on .375-16 collar studs and used for mounting optional terminal blocks, (order terminal blocks separately)
- External mounting feet are provided for secure wall mounting

Discount Schedule: C2

Subclass: DH0

Notes: Cooper B-Line can provide special sizes, finishes and other modifications. Consult the factory for your special requirements.

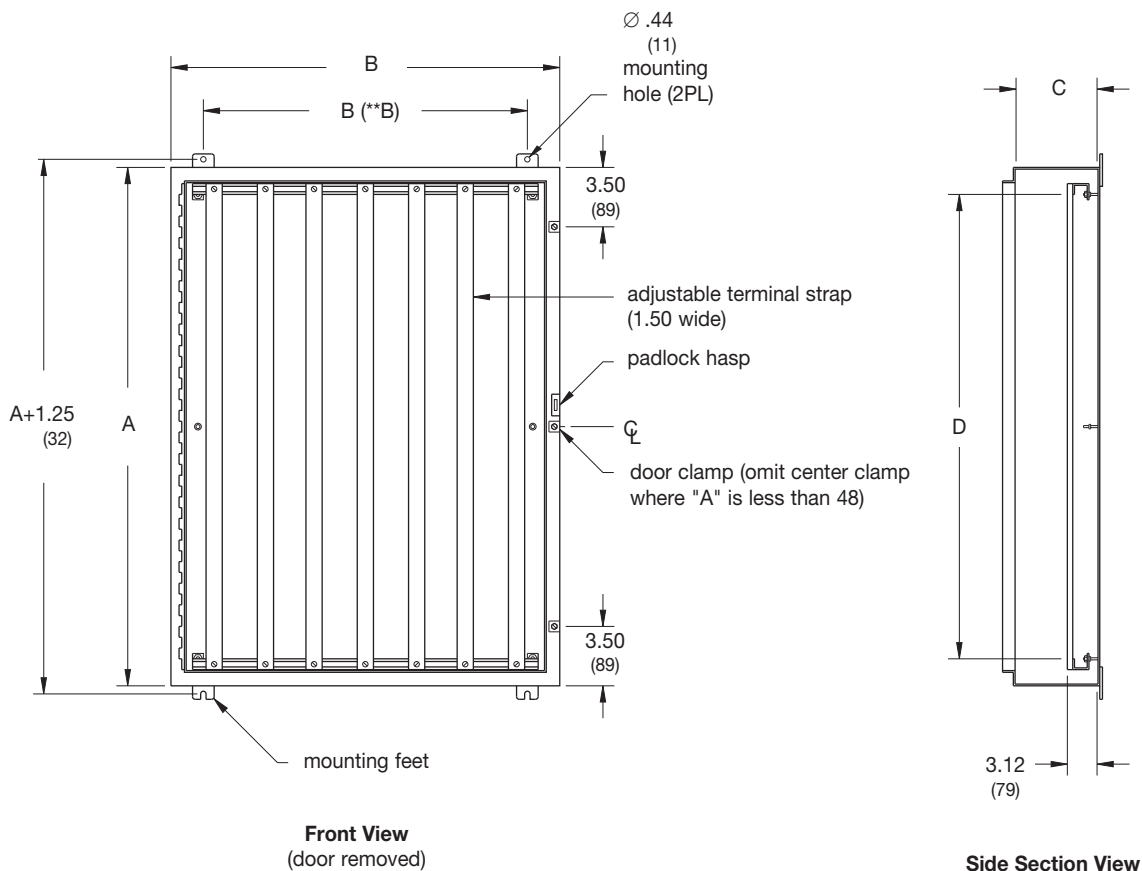
Wall-Mount Enclosures

Type 12 Terminal

Illustration Sheet and Catalog Number

Enclosure Catalog Number	Enclosure Size Height x Width x Depth A x B x C		Gauge	D		Quantity of straps
	in.	mm		in.	mm	
16126-12TE	16.00 x 12.00 x 6.00	406 x 305 x 152	16	11.50	292	2
20166-12TE	20.00 x 16.00 x 6.00	508 x 406 x 152	16	15.50	394	3
20206-12TE	20.00 x 20.00 x 6.00	508 x 508 x 152	16	15.50	394	4
24206-12TE	24.00 x 20.00 x 6.00	610 x 508 x 152	16	19.50	495	4
24246-12TE	24.00 x 24.00 x 6.00	610 x 610 x 152	14	19.50	495	5
30206-12TE	30.00 x 20.00 x 6.00	762 x 508 x 152	14	25.50	648	4
30246-12TE	30.00 x 24.00 x 6.00	762 x 610 x 152	14	25.50	648	5
36246-12TE	36.00 x 24.00 x 6.00	914 x 610 x 152	14	31.50	800	5
36308-12TE	36.00 x 30.00 x 8.00	914 x 762 x 203	14	31.50	800	6
42308-12TE	42.00 x 30.00 x 8.00	1067 x 762 x 203	14	37.50	953	6
48368-12TE	48.00 x 36.00 x 8.00	1219 x 914 x 203	14	43.50	1105	7
60368-12TE	60.00 x 36.00 x 8.00	1524 x 914 x 203	14	55.50	1410	7

Type 12/13 Panel Encl.



Note: Dimensions: **B = (-2.50) if 12 inches wide;
(-6.00) if wider than 12 inches.

Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Type 12/13 Panel Enclosures

Wall-Mount Enclosures

Type 12 Double-Door with 3-Point Locking

Data Sheet and Catalog Number



Type 12/13 Panel Encl.

Finish

- Wash and phosphate undercoat
- ANSI 61 gray polyester powder finish

Accessories

- Panels
- NEMA terminal strap kit
- Terminal blocks
- Floor stand kit
- Touch-up paint
- Replacement handle, 11184A (see page 422).
- See Accessories section

Construction

- Enclosure and door are fabricated from (14) gauge steel
- All continuous welded seams are finished smooth
- Doors are secured to the body with a heavy-duty continuous hinge and a center locating 3-point padlock handle mechanism which closes the right side door over the left
- Print pocket provided
- Doors have a fixed, oil-resistant gasket
- Ground stud provided on door
- No center post for complete front access
- .375-16 collar studs are provided for mounting optional panel
- External mounting feet are provided for secure wall mounting

Application

- Houses electrical controls and instruments
- Protects against circulating dust, falling dirt and dripping non-corrosive liquids

Standards

- UL 508 listed, Type 12 and Type 13
- CSA C22.2 No.94 certified, Type 12 and Type 13
- Conforms to NEMA standard for Type 12 and Type 13

Discount Schedule: C2

Subclass: DK0

Enclosure Catalog Number	Enclosure Size Height x Width x Depth A x B x C in.		Panel Catalog Number	Panel Size Height x Width in. mm	
	24428-12D	24.00 x 42.00 x 8.00		610 x 1067 x 203	AW4224P
24488-12D	24.00 x 48.00 x 8.00	610 x 1219 x 203	AW4824P	20.87 x 44.87	530 x 1140
304210-12D	30.00 x 42.00 x 10.00	762 x 1067 x 254	AW4230P	26.87 x 38.87	682 x 987
304810-12D	30.00 x 48.00 x 10.00	762 x 1219 x 254	AW4830P	26.87 x 44.87	682 x 1140
306010-12D	30.00 x 60.00 x 10.00	762 x 1524 x 254	AW6030P	26.87 x 56.87	682 x 1444
364212-12D	36.00 x 42.00 x 12.00	914 x 1067 x 305	AW4236P	32.87 x 38.87	835 x 987
364812-12D	36.00 x 48.00 x 12.00	914 x 1219 x 305	AW4836P	32.87 x 44.87	835 x 1140
366012-12D	36.00 x 60.00 x 12.00	914 x 1524 x 305	AW6036P	32.87 x 56.87	835 x 1444
424212-12D	42.00 x 42.00 x 12.00	1067 x 1067 x 305	AW4242P	38.87 x 38.87	987 x 987
424812-12D	42.00 x 48.00 x 12.00	1067 x 1219 x 305	AW4842P	38.87 x 44.87	987 x 1140
426012-12D	42.00 x 60.00 x 12.00	1067 x 1524 x 305	AW6042P	38.87 x 56.87	987 x 1444
484812-12D	48.00 x 48.00 x 12.00	1219 x 1219 x 305	AW4848P	44.87 x 44.87	1140 x 1140

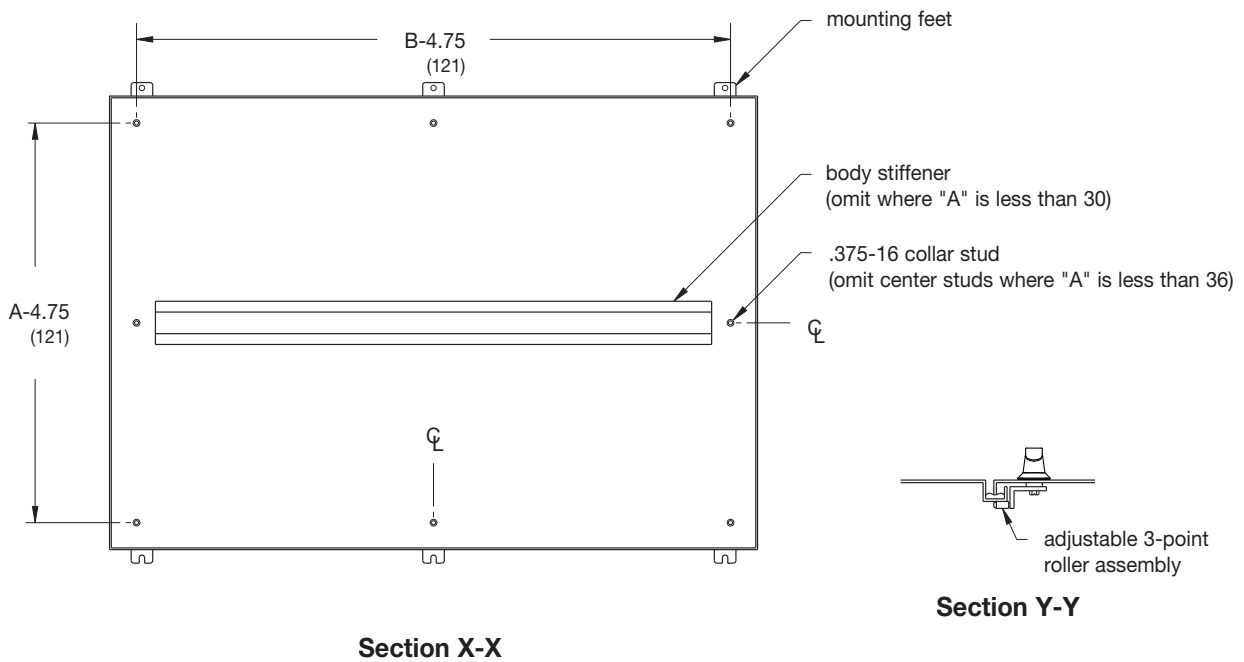
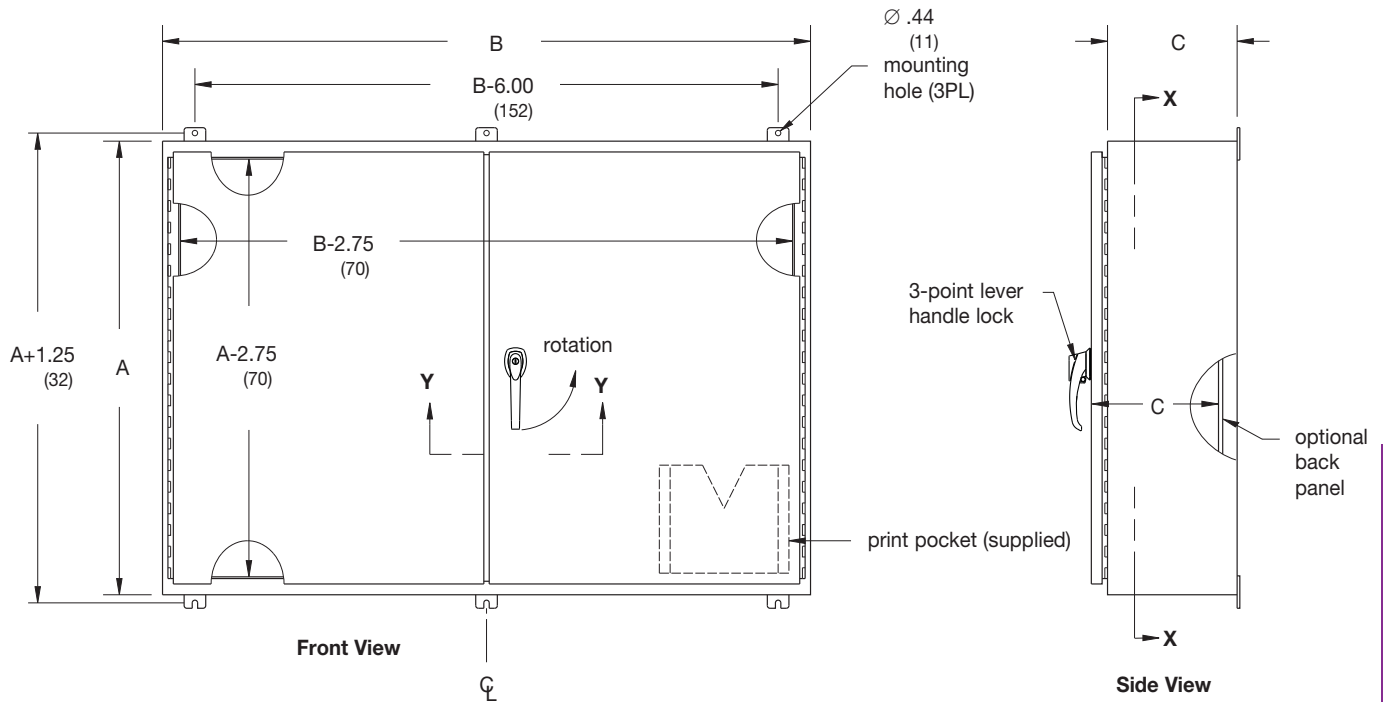
Notes: Cooper B-Line can provide special sizes, finishes and other modifications. Consult the factory for your special requirements.

Type 12/13 Panel Enclosures

Wall-Mount Enclosures

Type 12 Double-Door with 3-Point Locking

Illustration Sheet



Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Type 12/13 Panel Enclosures

Ground-Mount Enclosures

Type 12 Double-Door Floor-Standing with 3-Point Locking

Data Sheet and Catalog Number



Type 12/13 Panel Encl.

Application

- Houses electrical controls and instruments
- Protects against circulating dust, falling dirt and dripping non-corrosive liquids

Standards

- UL 508 listed, Type 12
- CSA C22.2 No.94 certified, Type 12
- Conforms to NEMA standard for Type 12

Finish

- Wash and phosphate undercoat
- ANSI 61 gray polyester powder finish

Accessories

- Panels
- Leg stabilizer kit
- Touch-up paint
- Replacement handle, T4PKHB, (see page 422)
- See Accessories section

Construction

- Enclosure and door are fabricated from code gauge steel, (see table below)
- All continuous welded seams are finished smooth
- Doors are secured to the body with a heavy-duty continuous hinge and a center locating 3-point key-locking and padlock handle mechanism which closes the right side door over the left
- Print pocket provided
- Doors have a fixed, oil-resistant gasket
- Ground stud provided on doors
- No center post for complete front access
- Heavy gauge panel supports and .375-16 collar studs are provided for mounting optional panel
- Large lifting eyebolts are supplied
- Mounting legs are provided for floor mounting

Discount Schedule: C2

Subclass: DK0

Enclosure Catalog Number	Enclosure Size Height x Width x Depth A x B x C		Gauge	Panel Catalog Number	Panel Size Height x Width	
	in.	mm			in.	mm
54428-12FD	54.00 x 42.00 x 8.00	1372 x 1067 x 203	12	AW5442P	49.87 x 37.87	1267 x 962
60488-12FD	60.00 x 48.00 x 8.00	1524 x 1219 x 203	10	AW6048P	55.87 x 43.87	1419 x 1114
604810-12FD	60.00 x 48.00 x 10.00	1524 x 1219 x 254	10	AW6048P	55.87 x 43.87	1419 x 1114
606010-12FD	60.00 x 60.00 x 10.00	1524 x 1524 x 254	10	AW6060P	55.87 x 55.87	1419 x 1419
726010-12FD	72.00 x 60.00 x 10.00	1829 x 1524 x 254	10	AW7260P	67.87 x 55.87	1724 x 1419
727210-12FD	72.00 x 72.00 x 10.00	1829 x 1829 x 254	10	AW7272P	67.87 x 67.87	1724 x 1724
604812-12FD	60.00 x 48.00 x 12.00	1524 x 1219 x 305	10	AW6048P	55.87 x 43.87	1419 x 1114
606012-12FD	60.00 x 60.00 x 12.00	1524 x 1524 x 305	10	AW6060P	55.87 x 55.87	1419 x 1419
726012-12FD	72.00 x 60.00 x 12.00	1829 x 1524 x 305	10	AW7260P	67.87 x 55.87	1724 x 1419
727212-12FD	72.00 x 72.00 x 12.00	1829 x 1829 x 305	10	AW7272P	67.87 x 67.87	1724 x 1724
604816-12FD	60.00 x 48.00 x 16.00	1524 x 1219 x 406	10	AW6048P	55.87 x 43.87	1419 x 1114
606016-12FD	60.00 x 60.00 x 16.00	1524 x 1524 x 406	10	AW6060P	55.87 x 55.87	1419 x 1419
726016-12FD	72.00 x 60.00 x 16.00	1829 x 1524 x 406	10	AW7260P	67.87 x 55.87	1724 x 1419
727216-12FD	72.00 x 72.00 x 16.00	1829 x 1829 x 406	10	AW7272P	67.87 x 67.87	1724 x 1724
604820-12FD	60.00 x 48.00 x 20.00	1524 x 1219 x 508	10	AW6048P	55.87 x 43.87	1419 x 1114
726020-12FD	72.00 x 60.00 x 20.00	1829 x 1524 x 508	10	AW7260P	67.87 x 55.87	1724 x 1419
727220-12FD	72.00 x 72.00 x 20.00	1829 x 1829 x 508	10	AW7272P	67.87 x 67.87	1724 x 1724
604824-12FD	60.00 x 48.00 x 24.00	1524 x 1219 x 610	10	AW6048P	55.87 x 43.87	1419 x 1114
606024-12FD	60.00 x 60.00 x 24.00	1524 x 1524 x 610	10	AW6060P	55.87 x 55.87	1419 x 1419
726024-12FD	72.00 x 60.00 x 24.00	1829 x 1524 x 610	10	AW7260P	67.87 x 55.87	1724 x 1419
727224-12FD	72.00 x 72.00 x 24.00	1829 x 1829 x 610	10	AW7272P	67.87 x 67.87	1724 x 1724

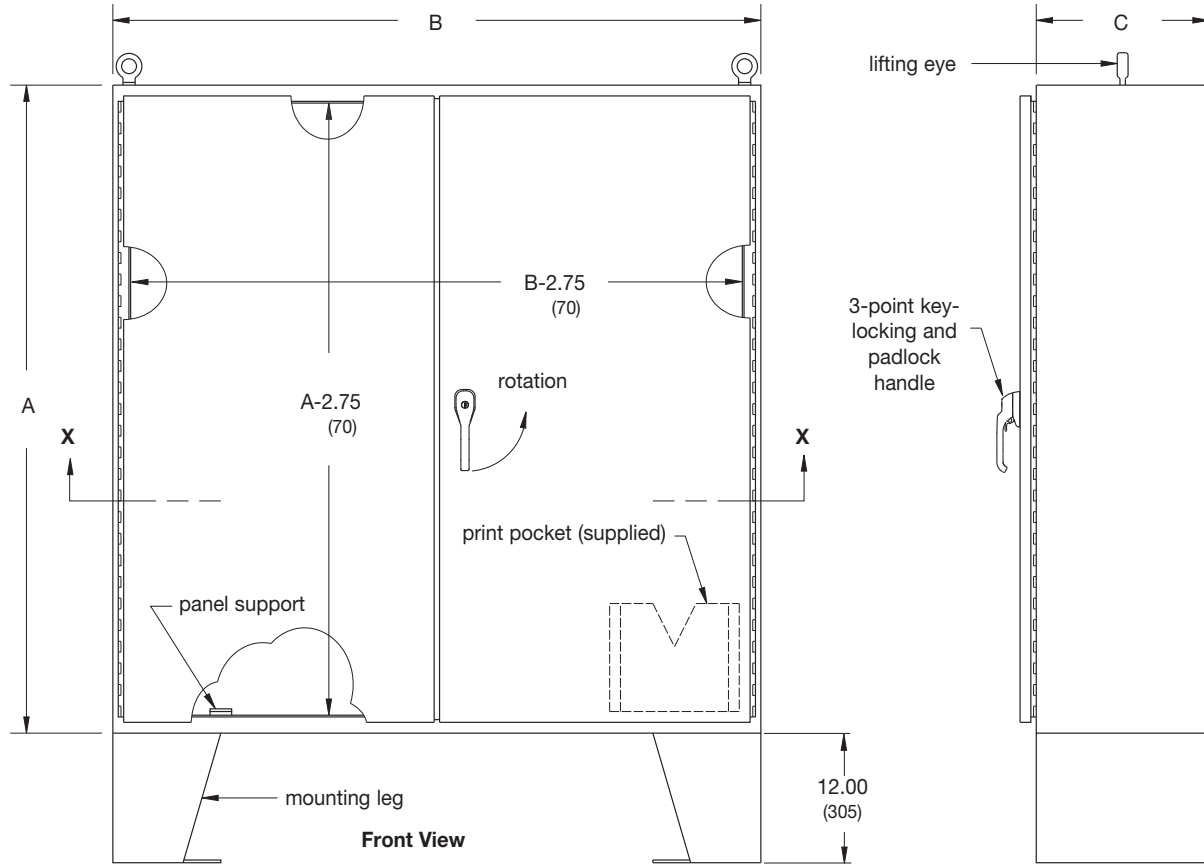
Notes: Cooper B-Line can provide special sizes, finishes and other modifications. Consult the factory for your special requirements.

Type 12/13 Panel Enclosures

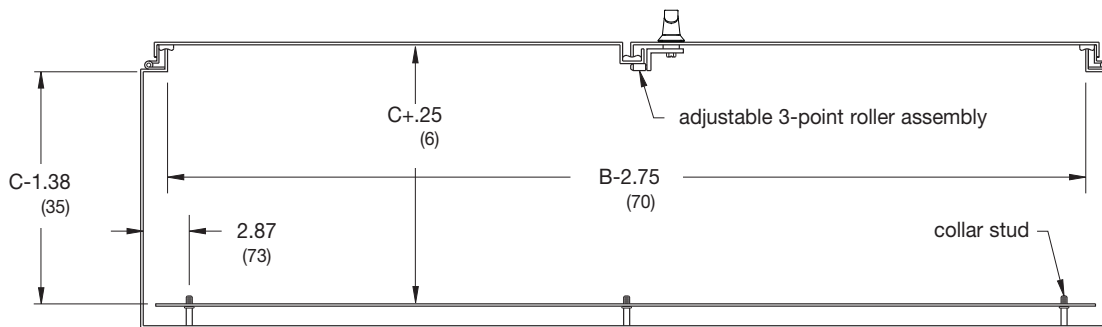
Ground-Mount Enclosures

Type 12 Double-Door Floor-Standing with 3-Point Locking

Illustration Sheet



Note: Four Lifting eyes are furnished when C dimension is 20.00 (508 mm) or more.



Section X-X
(enlarged)

Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Type 12/13 Panel Encl.

Type 12/13 Panel Enclosures

Ground-Mount Enclosures

Type 12 Single-Door Free-Standing with 3-Point Locking

Data Sheet



**Single-Door
Single-Access**
See page 115



**Single-Door
Dual-Access**
See page 116

Type 12/13 Panel Encl.

Application

- Houses electrical controls and instruments
- Easy access panels or rack mounts for housing optional equipment
- Dual-access construction available for back-to-back panel and equipment mounting
- Protects against circulating dust, falling dirt and dripping non-corrosive liquids

Standards

- UL 508 listed, Type 12
- CSA C22.2 No.94 certified, Type 12
- Conforms to NEMA standard for Type 12
- E.I.A. RS-310-D

Finish

- Wash and phosphate undercoat
- ANSI 61 gray polyester powder finish

Accessories

- Full and half panels
- Side panels
- Swing panels
- Center post
- Rack mount angles and swing out frames (see pages 187 - 188)
- Channel mounting hardware
- Touch-up paint
- Replacement handle, T4PKHB, (see page 422)
- See Accessories section

Construction

- Enclosure and door are fabricated from (12) gauge steel
- All continuous welded seams are finished smooth
- Doors are secured to the body with a heavy-duty continuous hinge and a 3-point key-locking and padlock handle mechanism
- Doors have a seamless poured in-place gasket
- Ground stud provided on door
- Print pocket provided
- Large lifting eyebolts are supplied
- Mounting channels are welded inside for locating panels along enclosure depth
- Dual-access enclosures permit back-to-back panel mounting
- A variety of optional panels and accessories are available, (see accessories pages 120-128)
- Two styles of enclosure construction:
 1. Single-door, single-access
 2. Single-door, dual-access

Discount Schedule: C2

Subclass: DMO

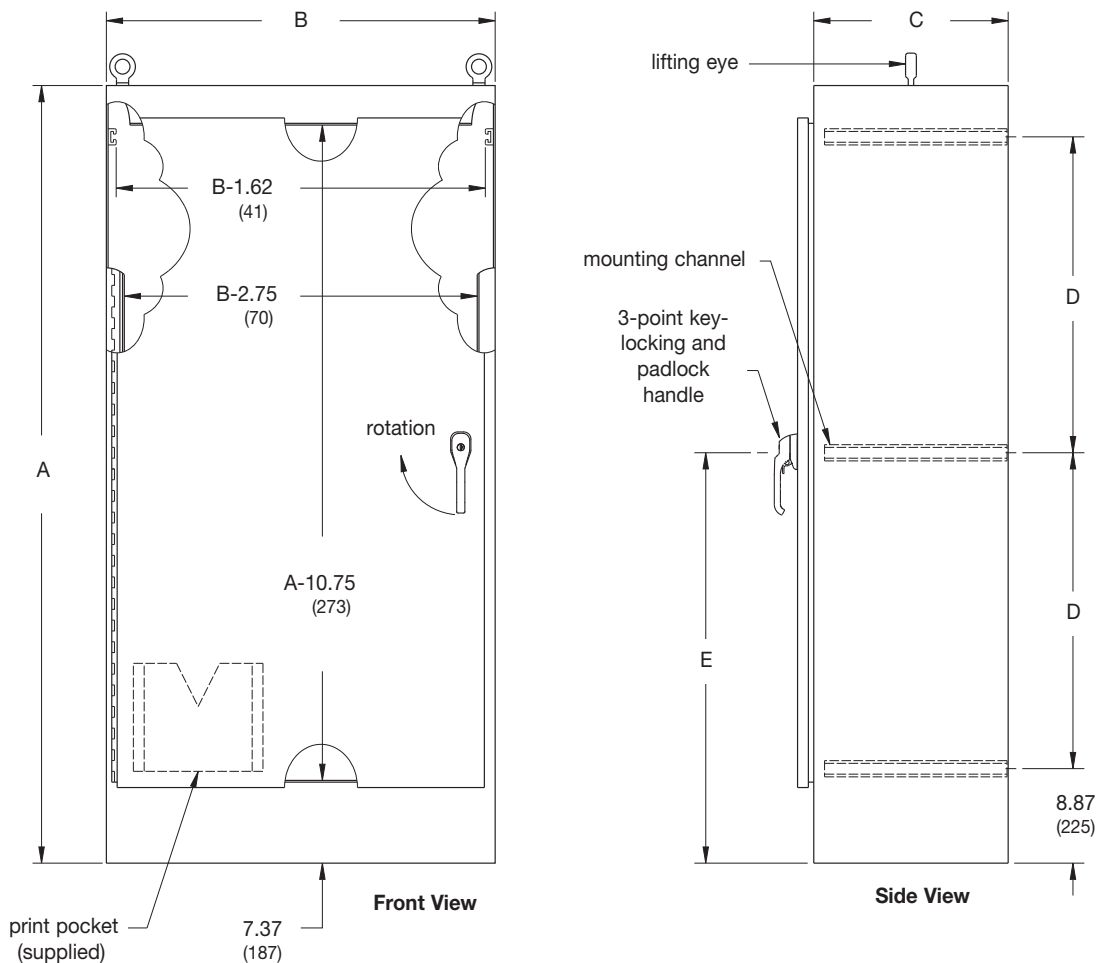
Notes: Cooper B-Line can provide special sizes, finishes and other modifications. Consult the factory for your special requirements.

Ground-Mount Enclosures

Type 12 Single-Door Free-Standing with 3-Point Locking

Illustration Sheet and Catalog Number

Enclosure Catalog Number ANSI 61 Gray Carbon Steel	Enclosure Size Height x Width x Depth A x B x C		D		E	
	in.	mm	in.	mm	in.	mm
	602418-12FS	60.00 x 24.00 x 18.00	1524 x 610 x 457	23.12	587	32.00
722418-12FS	72.00 x 24.00 x 18.00	1829 x 610 x 457	29.12	740	38.00	965
723018-12FS	72.00 x 30.00 x 18.00	1829 x 762 x 457	29.12	740	38.00	965
723618-12FS	72.00 x 36.00 x 18.00	1829 x 914 x 457	29.12	740	38.00	965
902420-12FS	90.00 x 24.00 x 20.00	2286 x 610 x 508	38.12	968	47.00	1194
903620-12FS	90.00 x 36.00 x 20.00	2286 x 914 x 508	38.12	968	47.00	1194
603624-12FS	60.00 x 36.00 x 24.00	1524 x 914 x 610	23.12	587	32.00	813
722424-12FS	72.00 x 24.00 x 24.00	1829 x 610 x 610	29.12	740	38.00	965
723024-12FS	72.00 x 30.00 x 24.00	1829 x 762 x 610	29.12	740	38.00	965
723624-12FS	72.00 x 36.00 x 24.00	1829 x 914 x 610	29.12	740	38.00	965
903624-12FS	90.00 x 36.00 x 24.00	2286 x 914 x 610	38.12	968	47.00	1194
722430-12FS	72.00 x 24.00 x 30.00	1829 x 610 x 762	29.12	740	38.00	965
723630-12FS	72.00 x 36.00 x 30.00	1829 x 914 x 762	29.12	740	38.00	965
723636-12FS	72.00 x 36.00 x 36.00	1829 x 914 x 914	29.12	740	38.00	965
903636-12FS	90.00 x 36.00 x 36.00	2286 x 914 x 914	38.12	968	47.00	1194



Notes: Four lifting eyes are furnished when C dimension is 30.00 (762 mm) or more.
Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Type 12/13 Panel Encl.

Type 12/13 Panel Enclosures

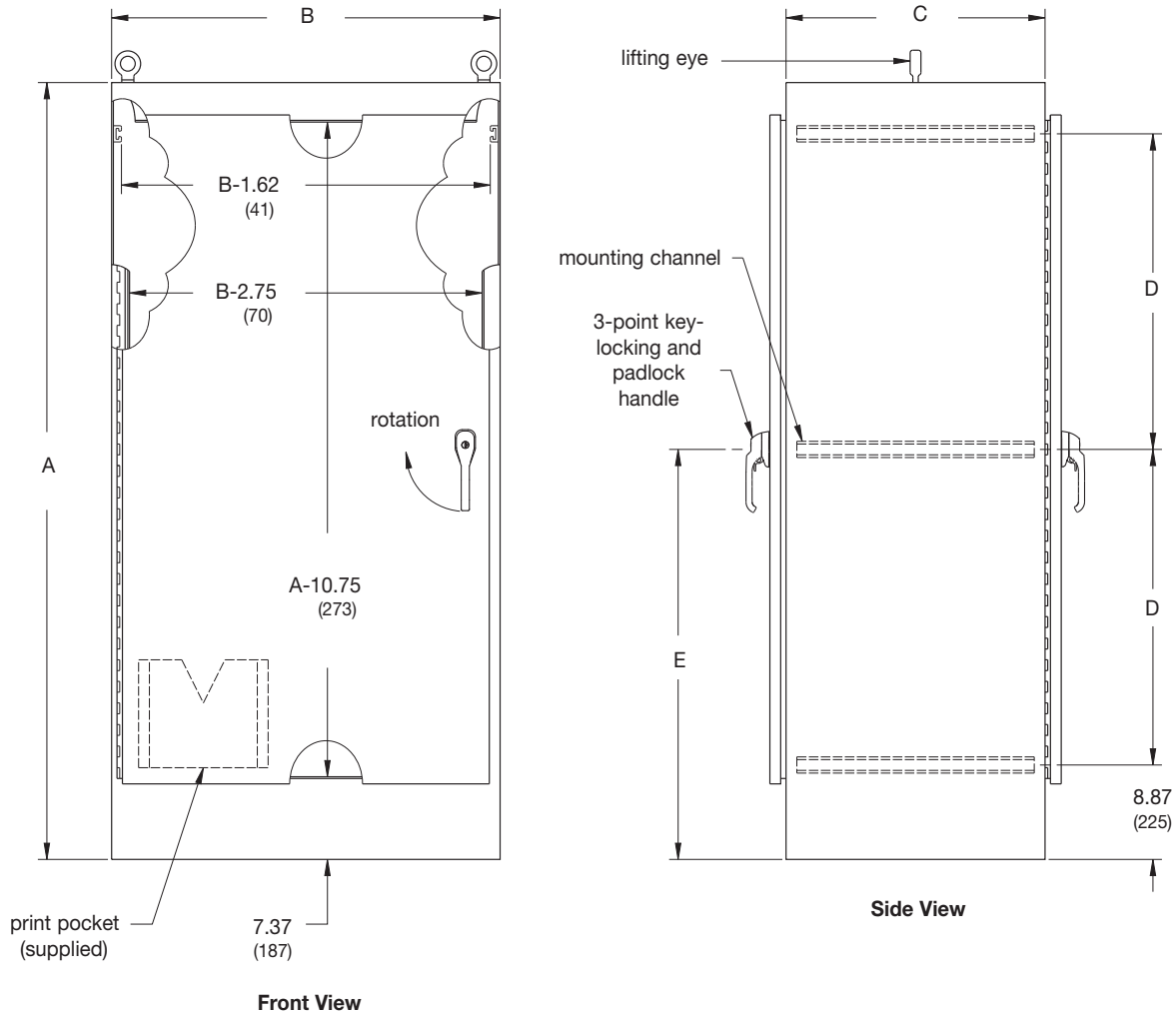
Ground-Mount Enclosures

Type 12 Single-Door Dual-Access Free-Standing with 3-Point Locking

Illustration Sheet and Catalog Number

Enclosure Catalog Number ANSI 61 Gray Carbon Steel	Enclosure Size Height x Width x Depth A x B x C		D		E	
	in.	mm	in.	mm	in.	mm
	722424-12FSDA	72.00 x 24.00 x 24.00	1829 x 610 x 610	29.12	740	38.00
723024-12FSDA	72.00 x 30.00 x 24.00	1829 x 762 x 610	29.12	740	38.00	965
723624-12FSDA	72.00 x 36.00 x 24.00	1829 x 914 x 610	29.12	740	38.00	965
903624-12FSDA	90.00 x 36.00 x 24.00	2286 x 914 x 610	38.12	968	47.00	1194
722430-12FSDA	72.00 x 24.00 x 30.00	1829 x 610 x 762	29.12	740	38.00	965
722436-12FSDA	72.00 x 24.00 x 36.00	1829 x 610 x 914	29.12	740	38.00	965
723636-12FSDA	72.00 x 36.00 x 36.00	1829 x 914 x 914	29.12	740	38.00	965
903636-12FSDA	90.00 x 36.00 x 36.00	2286 x 914 x 914	38.12	968	47.00	1194

Type 12/13 Panel Encl.



Notes: Four lifting eyes are furnished when C dimensions is 30.00 (762 mm) or more.
Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Ground-Mount Enclosures

Type 12 Double-Door Free-Standing with 3-Point Locking

Data Sheet



**Double-Door
Single-Access**
See page 118



**Double-Door
Dual-Access**
See page 119

Application

- Houses electrical controls and instruments
- Easy access panels or rack-mounts for housing optional equipment
- Dual-access construction available for back-to-back panel and equipment mounting
- Protects against circulating dust, falling dirt and dripping non-corrosive liquids

Standards

- UL 508 listed, Type 12
- CSA C22.2 No.94 certified, Type 12
- Conforms to NEMA standard for Type 12
- E.I.A. RS-310-D

Finish

- Wash and phosphate undercoat
- ANSI 61 gray polyester powder finish

Accessories

- Full and half panels
- Side panels
- Swing panels
- Center post
- Rack mount angles and swing out frames (see pages 187 - 188)
- Channel mounting hardware
- Touch-up paint
- Replacement handle, T4PKHB, (see page 422)
- See Accessories section

Construction

- Enclosure and door are fabricated from (12) gauge steel
- All continuous welded seams are finished smooth
- Doors are secured to the body with a heavy-duty continuous hinge and a 3-point key-locking and padlock handle mechanism
- Double-door units close right over left
- Doors have a fixed, oil-resistant gasket
- Ground stud provided on door
- Print pocket provided
- Large lifting eyebolts are supplied
- Mounting channels are welded inside for locating panels along enclosure depth
- Dual-access enclosures permit back-to-back panel mounting
- Swing panels, single full and single half panels can be installed in double-door enclosures when the center post is used
- A variety of optional panels and accessories are available, (see accessories pages 120-128)
- Two styles of enclosure construction:
 1. Double-door, single-access
 2. Double-door, dual-access

Discount Schedule: C2

Subclass: DMO

Notes: Cooper B-Line can provide special sizes, finishes and other modifications. Consult the factory for your special requirements.

Type 12/13 Panel Enclosures

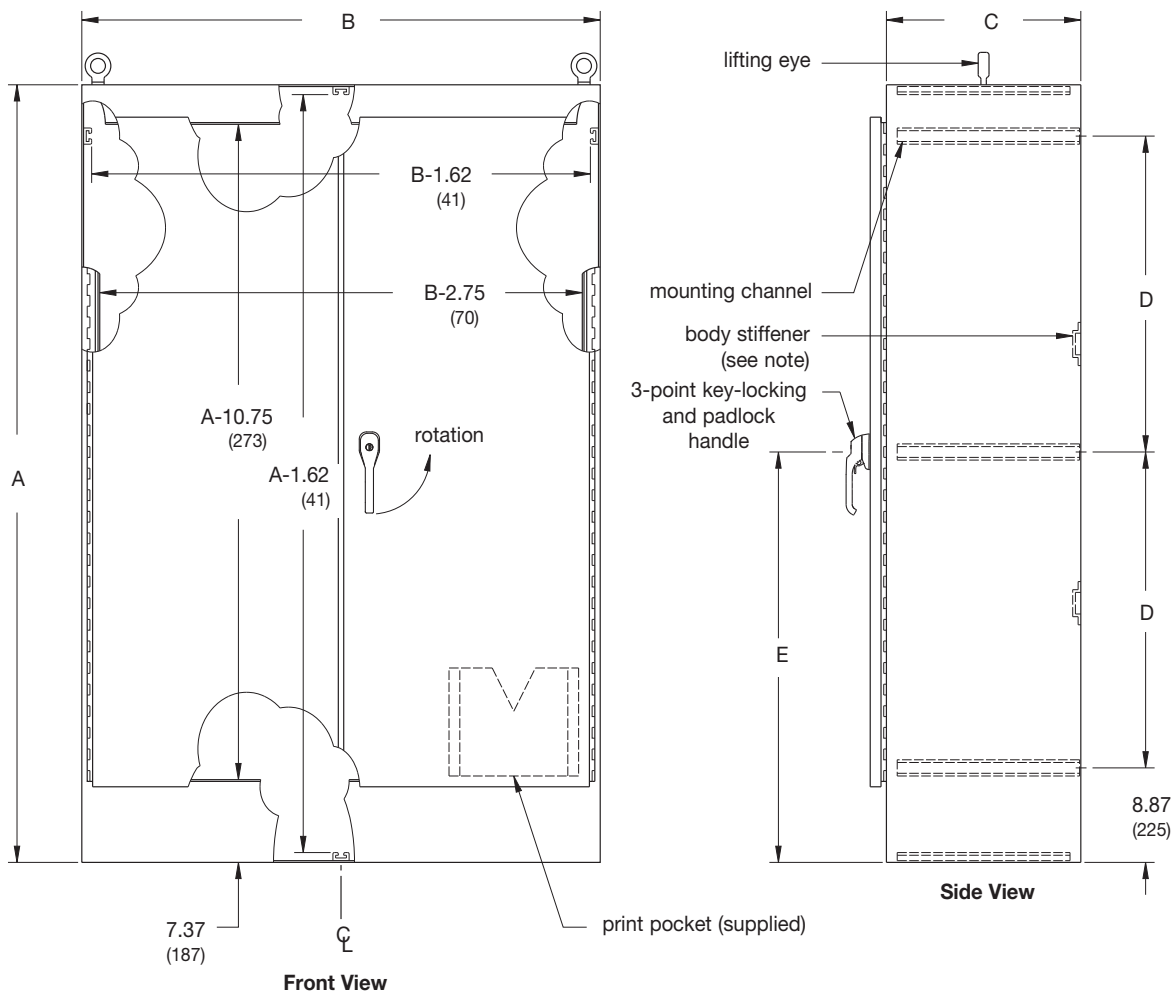
Ground-Mount Enclosures

Type 12 Double-Door Single-Access Free-Standing with 3-Point Locking

Illustration Sheet and Catalog Number

Enclosure Catalog Number ANSI 61 Gray Carbon Steel	Enclosure Size Height x Width x Depth A x B x C		D		E	
	in.	mm	in.	mm	in.	mm
	604818-12FSD	60.00 x 48.00 x 18.00	1524 x 1219 x 457	23.12	587	32.00
724818-12FSD	72.00 x 48.00 x 18.00	1829 x 1219 x 457	29.12	740	38.00	965
726018-12FSD	72.00 x 60.00 x 18.00	1829 x 1524 x 457	29.12	740	38.00	965
727218-12FSD	72.00 x 72.00 x 18.00	1829 x 1829 x 457	29.12	740	38.00	965
904820-12FSD	90.00 x 48.00 x 20.00	2286 x 1219 x 508	38.12	968	47.00	1194
907220-12FSD	90.00 x 72.00 x 20.00	2286 x 1829 x 508	38.12	968	47.00	1194
724824-12FSD	72.00 x 48.00 x 24.00	1829 x 1219 x 610	29.12	740	38.00	965
726024-12FSD	72.00 x 60.00 x 24.00	1829 x 1524 x 610	29.12	740	38.00	965
727224-12FSD	72.00 x 72.00 x 24.00	1829 x 1829 x 610	29.12	740	38.00	965
907224-12FSD	90.00 x 72.00 x 24.00	2286 x 1829 x 610	38.12	968	47.00	1194
726036-12FSD	72.00 x 60.00 x 36.00	1829 x 1524 x 914	29.12	740	38.00	965
907236-12FSD	90.00 x 72.00 x 36.00	2286 x 1829 x 914	38.12	968	47.00	1194

Type 12/13 Panel Encl.



Notes: Two body stiffeners spaced evenly along enclosure height. Four lifting eyes are furnished when C dimension is 36.00 (914 mm). Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

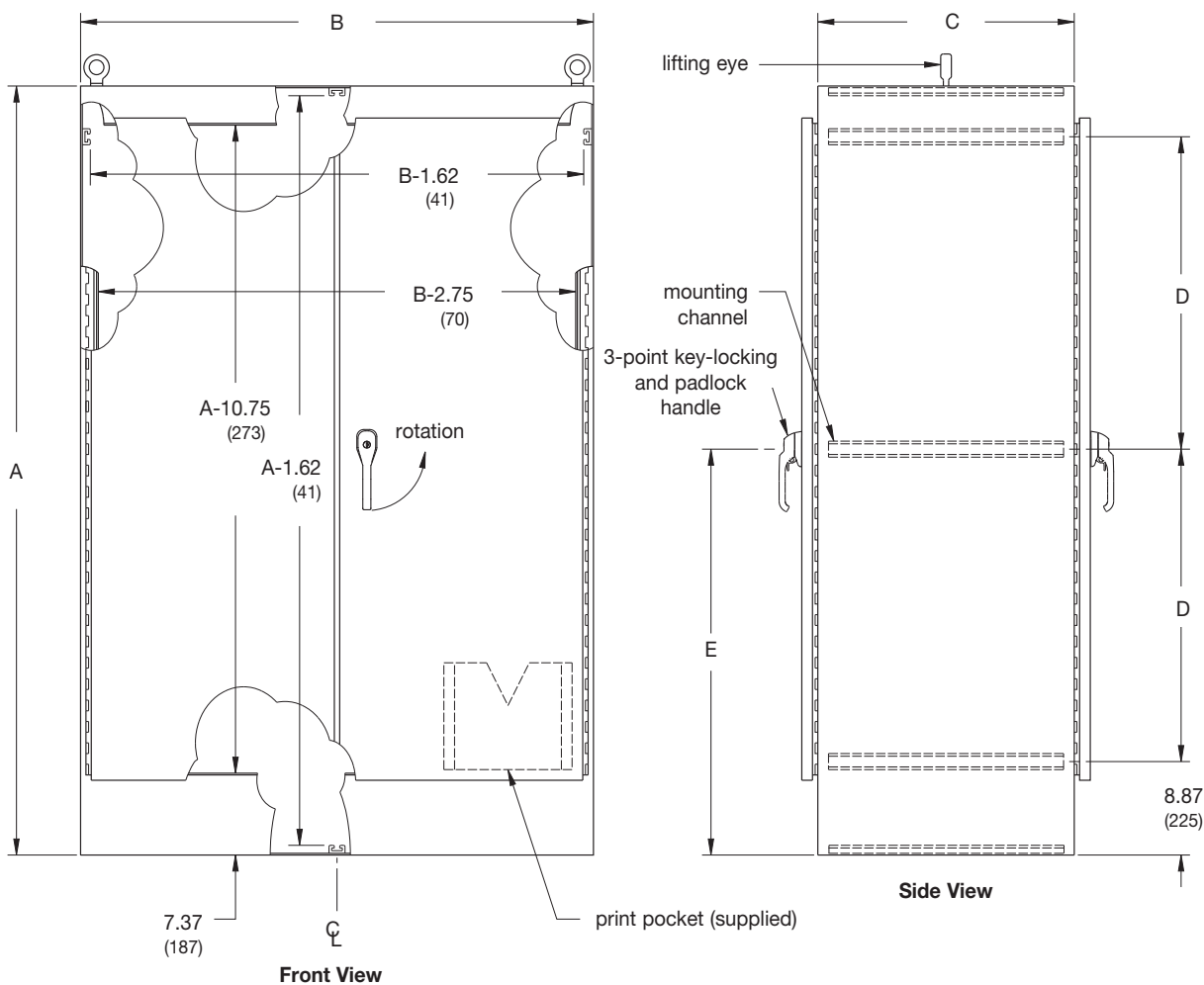
Type 12 / 13 Panel Enclosures

Ground-Mount Enclosures

Type 12 Double-Door Dual-Access Free-Standing with 3-Point Locking

Illustration Sheet and Catalog Number

Enclosure Catalog Number ANSI 61 Gray Carbon Steel	Enclosure Size Height x Width x Depth A x B x C		D		E	
	in.	mm	in.	mm	in.	mm
	724824-12FSDDA	72.00 x 48.00 x 24.00	1829 x 1219 x 610	29.12	740	38.00
726024-12FSDDA	72.00 x 60.00 x 24.00	1829 x 1524 x 610	29.12	740	38.00	965
727224-12FSDDA	72.00 x 72.00 x 24.00	1829 x 1829 x 610	29.12	740	38.00	965
907224-12FSDDA	90.00 x 72.00 x 24.00	2286 x 1829 x 610	38.12	968	47.00	1194
726036-12FSDDA	72.00 x 60.00 x 36.00	1829 x 1524 x 914	29.12	740	38.00	965



Type 12/13 Panel Encl.

Notes: Four lifting eyes are furnished when C dimensions is 30.00 (762 mm) or more.
Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Type 12/13 Panel Enclosures

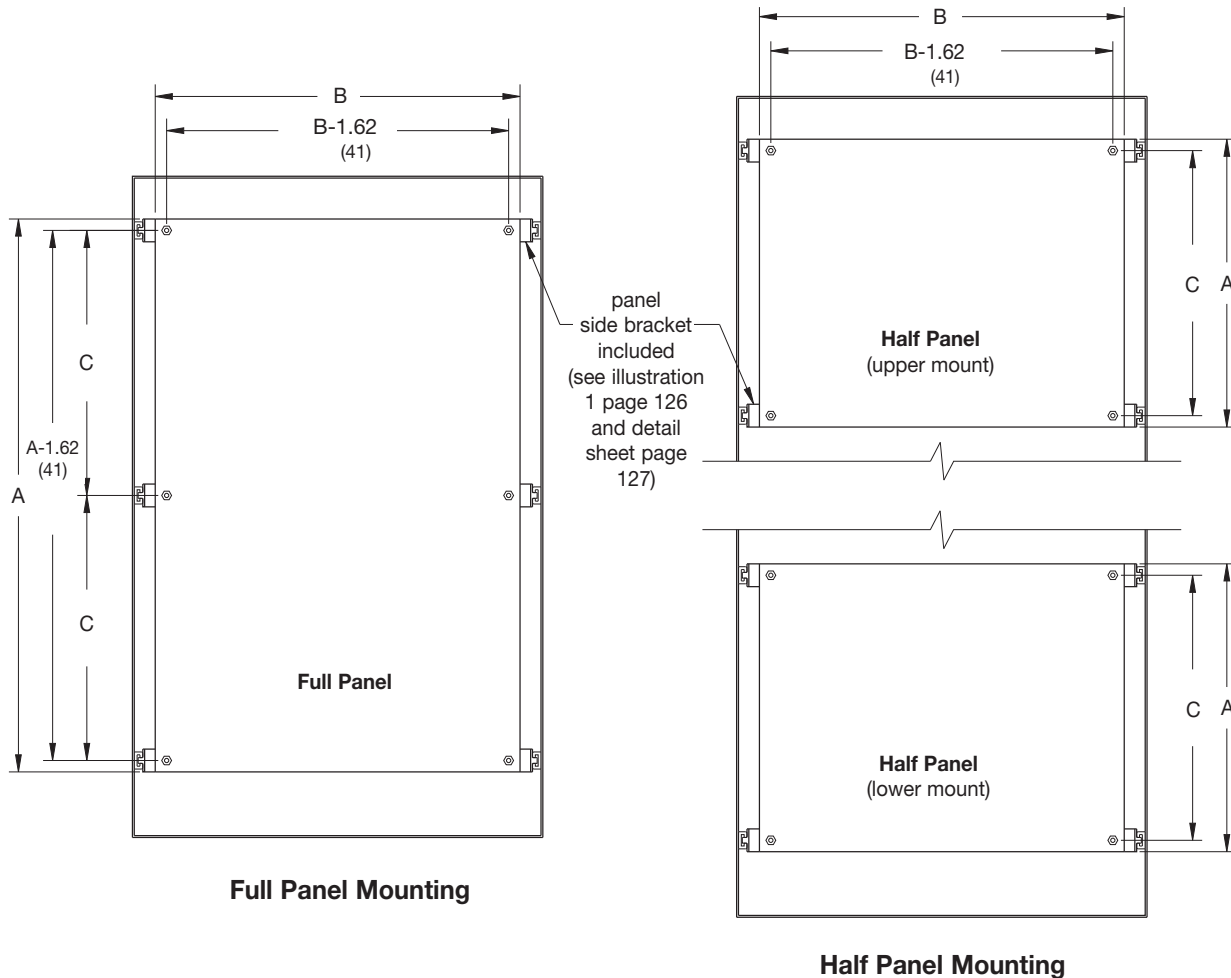
Free-Standing Enclosure Accessories Type 12 Single-Door Full and Half Panel Illustration Sheet and Catalog Number

Discount Schedule: C2
Subclass: DSO

Type 12/13 Panel Encl.

Full Panel (Single-Door)						
Panel Catalog Number	Panel Size Height x Width A x B		C		Fits Enclosure Height x Width	
	in.	mm	in.	mm	in.	mm
AF6024P	47.87 x 19.87	1216 x 505	23.12	587	60.00 x 24.00	1524 x 610
AF6036P	47.87 x 31.87	1216 x 809	23.12	587	60.00 x 36.00	1524 x 914
AF7224P	59.87 x 19.87	1521 x 505	29.12	740	72.00 x 24.00	1829 x 610
AF7230P	59.87 x 25.87	1521 x 657	29.12	740	72.00 x 30.00	1829 x 762
AF7236P	59.87 x 31.87	1521 x 809	29.12	740	72.00 x 36.00	1829 x 914
AF9024P	77.87 x 19.87	1978 x 505	38.12	968	90.00 x 24.00	2286 x 610
AF9036P	77.87 x 31.87	1978 x 809	38.12	968	90.00 x 36.00	2286 x 914

Half Panel (Single-Door)						
Panel Catalog Number	Panel Size Height x Width A x B		C		Fits Enclosure Height x Width	
	in.	mm	in.	mm	in.	mm
AF6024HP	24.75 x 19.87	629 x 505	23.12	587	60.00 x 24.00	1524 x 610
AF6036HP	24.75 x 31.87	629 x 809	23.12	587	60.00 x 36.00	1524 x 914
AF7224HP	30.75 x 19.87	781 x 505	29.12	587	72.00 x 24.00	1829 x 610
AF7230HP	30.75 x 25.87	781 x 657	29.12	587	72.00 x 30.00	1829 x 762
AF7236HP	30.75 x 31.87	781 x 809	29.12	587	72.00 x 36.00	1829 x 914
AF9024HP	39.75 x 19.87	1010 x 505	38.12	968	90.00 x 24.00	2286 x 610
AF9036HP	39.75 x 31.87	1010 x 809	38.12	968	90.00 x 36.00	2286 x 914



Note: Full and Half panel for single-door, single and dual-access enclosures are (12) gauge steel and furnished with panel side brackets and all hardware necessary for channel and panel mounting. Half Panels can be mounted in either the upper or lower portion of the enclosure. Free standing design permits the panel to adjust along the depth of the enclosure. With dual-access enclosures, Full and Half panels can be mounted back-to-back.

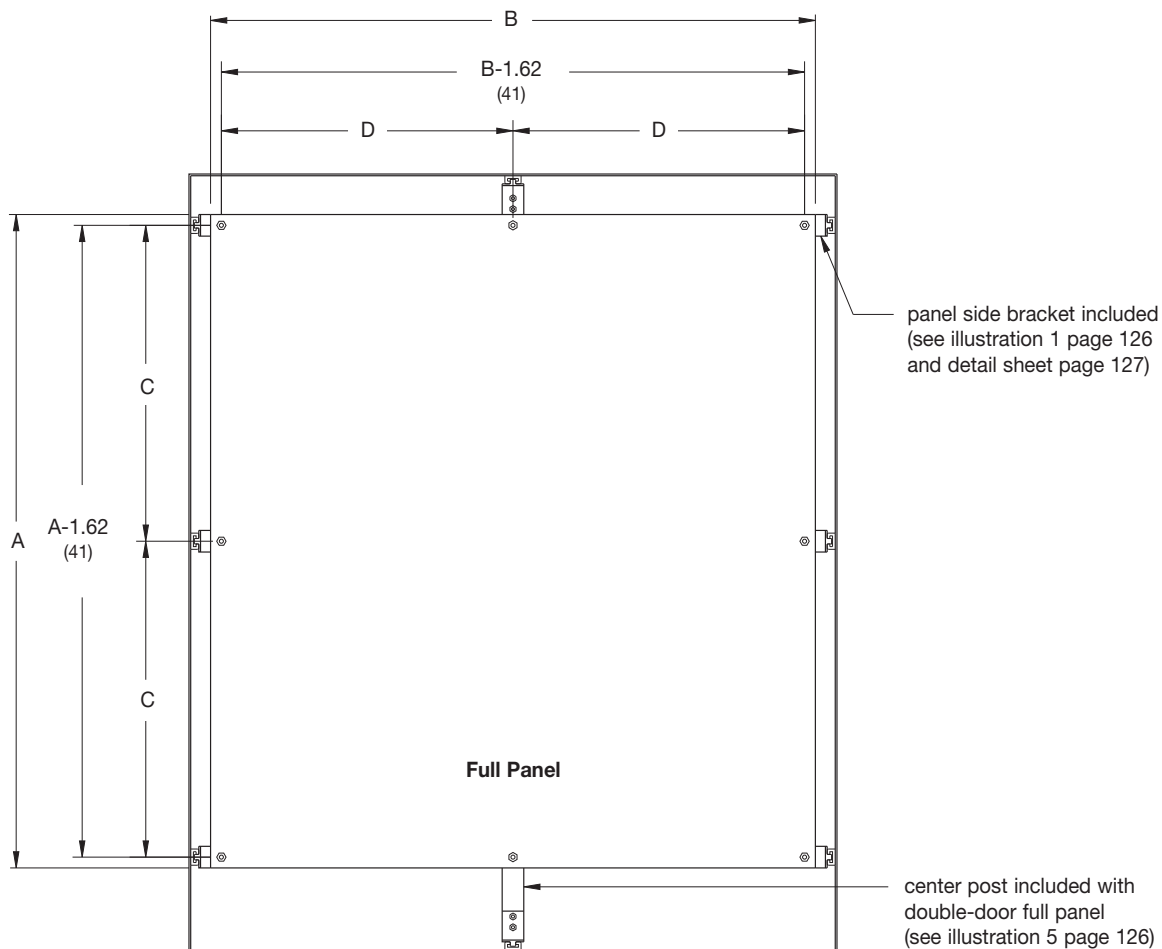
Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Type 12 / 13 Panel Enclosures

Free-Standing Enclosure Accessories Type 12 Double-Door Full Panel Illustration Sheet and Catalog Number

Discount Schedule: C2
Subclass: DSO

Panel Catalog Number	Panel Size Height x Width A x B		C		D		Fits Enclosure Height x Width	
	in.	mm	in.	mm	in.	mm	in.	mm
AF6048P	47.87 x 43.87	1216 x 1114	23.12	587	21.12	530	60.00 x 48.00	1524 x 1219
AF6060P	47.87 x 55.87	1216 x 1419	23.12	587	27.12	689	60.00 x 60.00	1524 x 1524
AF7248P	59.87 x 43.87	1521 x 1114	29.12	740	21.12	530	72.00 x 48.00	1829 x 1219
AF7260P	59.87 x 55.87	1521 x 1419	29.12	740	27.12	689	72.00 x 60.00	1829 x 1524
AF7272P	59.87 x 67.87	1521 x 1724	29.12	740	33.12	841	72.00 x 72.00	1829 x 1829
AF9048P	77.87 x 43.87	1978 x 1114	38.12	968	21.12	530	90.00 x 48.00	2286 x 1219
AF9072P	77.87 x 67.87	1978 x 1724	38.12	968	33.12	841	90.00 x 72.00	2286 x 1829



Full Panel Mounting

Notes: Full Panel for double-door, single and dual-access enclosures are (10) gauge steel and furnished with Panel Brackets, Center Post assembly, panel handle kit and all hardware necessary for channel and panel mounting. The Center Post assembly offers additional support of panel and equipment. Free-standing design permits the panel to adjust along the depth of the enclosure. With dual-access enclosures, Full and Half Panels can be mounted back-to-back.

Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

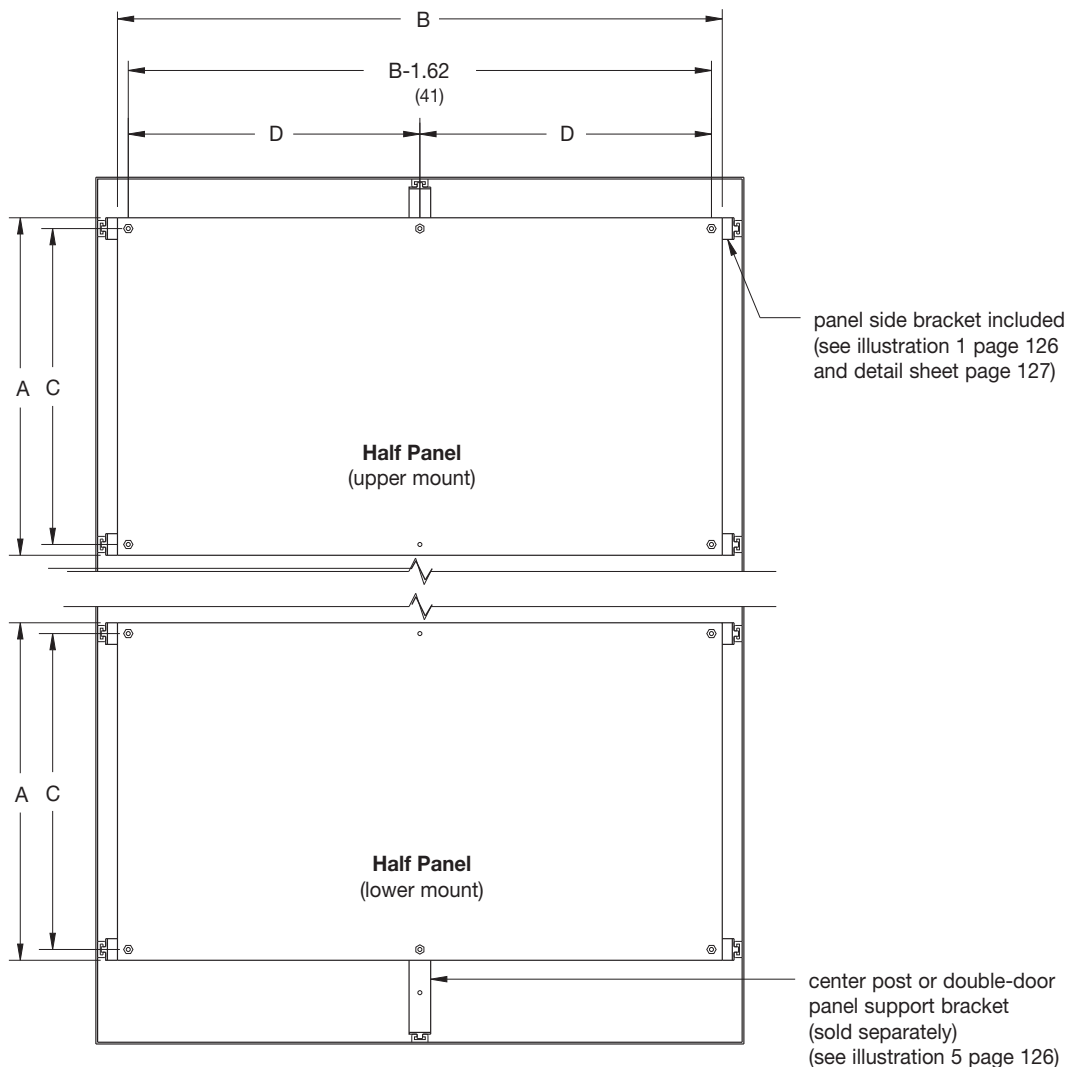
Type 12/13 Panel Enclosures

Free-Standing Enclosure Accessories Type 12 Double-Door Half Panel Illustration Sheet and Catalog Number

Discount Schedule: C2
Subclass: DSO

Panel Catalog Number	Panel Size Height x Width A x B		C		D		Fits Enclosure Height x Width	
	in.	mm	in.	mm	in.	mm	in.	mm
	AF6048HP	24.75x43.87	629x1114	23.12	587	21.12	536	60.00x48.00
AF7248HP	30.75x43.87	781x1114	29.12	740	21.12	536	72.00x48.00	1829x1219
AF7260HP	30.75x55.87	781x1419	29.12	740	7.12	181	72.00x60.00	1829x1524
AF7272HP	30.75x67.87	781x1724	29.12	740	33.12	841	72.00x72.00	1829x1829
AF9048HP	39.75x43.87	1010x1114	38.12	968	21.12	536	90.00x48.00	2286x1219
AF9072HP	39.85x67.87	1012x1724	38.12	968	33.12	841	90.00x72.00	2286x1829

Type 12/13 Panel Encl.



Half Panel Mounting

Note: Half panel for double-door, single and dual-access enclosures are (12) gauge steel and furnished with Panel Brackets and all hardware necessary for channel and panel mounting. **A Center Post assembly or a double-door panel support bracket (catalog number AFSUP2) for additional support of the panel is optional and sold separately.** Free-standing design permits the panel to adjust along the depth of the enclosure. With dual-access enclosures, Full and Half Panels can be mounted back-to-back.

Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Type 12/13 Panel Enclosures

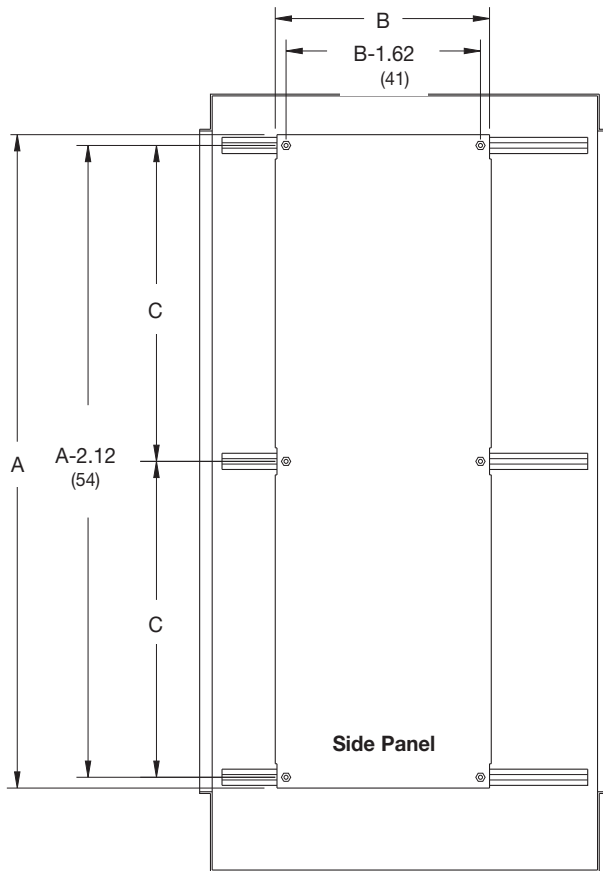
Free-Standing Enclosure Accessories Type 12 Side Panel And Center Post Illustration Sheet and Catalog Number

Discount Schedule: C2
Subclass: DSO

Side Panel								
Panel Catalog Number	Panel Size Height x Width A x B		C		Fits Enclosure Height		Depth*	
	in.	mm	in.	mm	in.	mm	in.	mm
AF6018SP	48.37 x 13.87	1229 x 340	23.12	587	60.00	1524	18.00	457
AF7218SP	60.37 x 13.87	1533 x 340	29.12	740	72.00	1829	18.00	457
AF7224SP	60.37 x 19.87	1533 x 505	29.12	740	72.00	1829	24.00	610
AF9018SP	78.37 x 13.87	1991 x 340	38.12	968	90.00	2286	18.00	457
AF9024SP	78.37 x 19.87	1991 x 505	38.12	968	90.00	2286	24.00	457

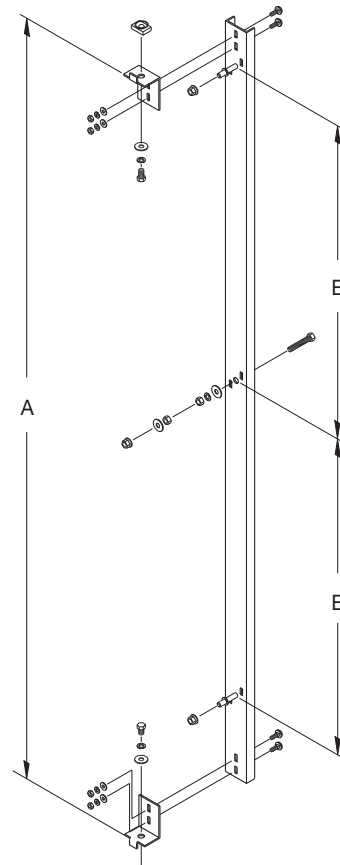
Center Post						
Center Post Catalog Number	A		B		Fits Enclosure Height	
	in.	mm	in.	mm	in.	mm
AF60CPS	58.37	1483	23.12	587	60.00	1524
AF72CPS	70.37	1787	29.12	740	72.00	1829
AF90CPS	88.37	2245	38.12	968	90.00	2286

* Back panels restrict the movement of side panels and will prohibit mounting in some depths. See detail sheet for back panel spacing.



Side Panel Mounting

Side Panels are (12) gauge steel and furnished with hardware necessary for channel mounting. They will fit any width enclosure and are adjustable along its depth, however, when Full or Half Panels are installed, movement will be restricted and with some depths make side mounting prohibitive.



Center Post Assembly

Center Post assembly is furnished with all double-door Full Panels and includes hardware necessary for channel and panel mounting. The Center Post is optional on double-door Half Panels and Swing Panel mounting and must be ordered separately. It attaches to the top and bottom channels making it adjustable along the depth of the enclosure. See illustration #5 on the Detail Sheet-page 126.

Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Type 12/13 Panel Enclosures

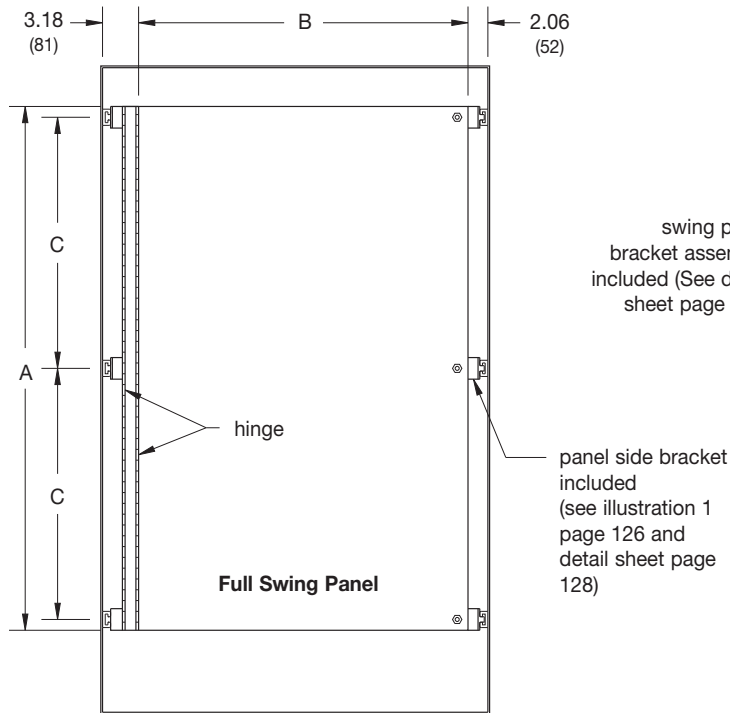
Free-Standing Enclosure Accessories Type 12 Single-Door Full and Half Swing Panel Illustration Sheet and Catalog Number

Discount Schedule: C2
Subclass: DSO

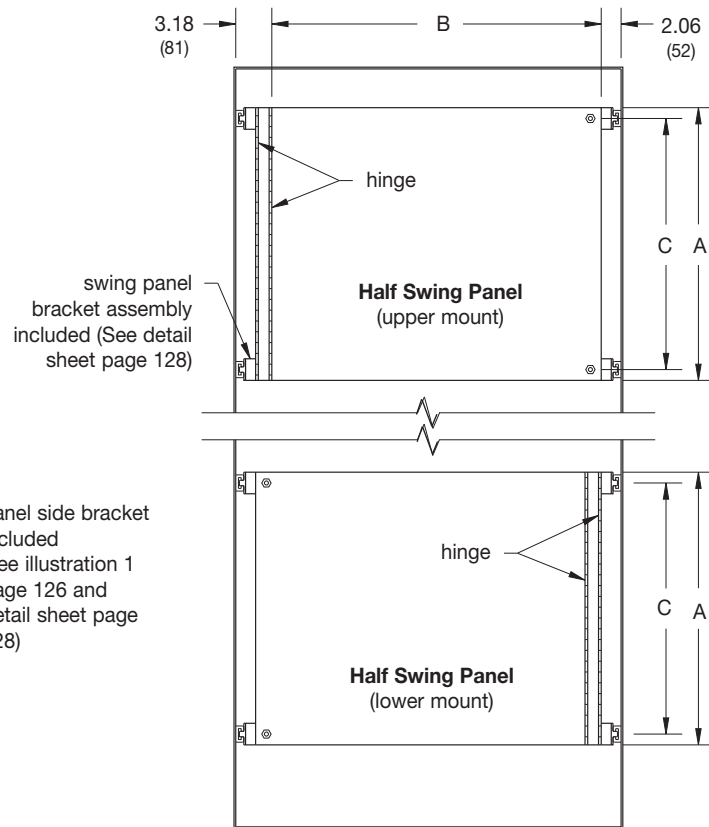
Full Swing Panel (Single-Door)						
Panel Catalog Number	Panel Size		C		Fits Enclosure Height x Width	
	Height x Width A x B					
	in.	mm	in.	mm	in.	mm
AF6024SWP	47.87 x 18.75	1216 x 476	23.12	587	60.00 x 24.00	1524 x 610
AF6036SWP	47.87 x 30.75	1216 x 781	23.12	587	60.00 x 36.00	1524 x 914
AF7224SWP	59.87 x 18.75	1521 x 476	29.12	740	72.00 x 24.00	1829 x 610
AF7230SWP	59.87 x 24.75	1521 x 629	29.12	740	72.00 x 30.00	1829 x 762
AF7236SWP	59.87 x 30.75	1521 x 781	29.12	740	72.00 x 36.00	1829 x 914
AF9024SWP	77.87 x 18.75	1978 x 476	38.12	968	90.00 x 24.00	2286 x 610
AF9036SWP	77.87 x 30.75	1978 x 781	38.12	968	90.00 x 36.00	2286 x 914

Half Swing Panel (Single-Door)						
Panel Catalog Number	Panel Size		C		Fits Enclosure Height x Width	
	Height x Width A x B					
	in.	mm	in.	mm	in.	mm
AF6024HSWP	24.75 x 18.75	629 x 476	23.12	587	60.00 x 24.00	1524 x 610
AF6036HSWP	24.75 x 30.75	629 x 781	23.12	587	60.00 x 36.00	1524 x 914
AF7224HSWP	30.75 x 18.75	781 x 476	29.12	740	72.00 x 24.00	1829 x 610
AF7230HSWP	30.75 x 24.75	781 x 629	29.12	740	72.00 x 30.00	1829 x 762
AF7236HSWP	30.75 x 30.75	781 x 781	29.12	740	72.00 x 36.00	1829 x 914
AF9024HSWP	39.75 x 18.75	1010 x 476	38.12	968	90.00 x 24.00	2286 x 610
AF9036HSWP	39.75 x 30.75	1010 x 781	38.12	968	90.00 x 36.00	2286 x 914

Type 12/13 Panel Encl.



Full Swing Panel Mounting



Half Swing Panel Mounting

Note: Full Swing Panel and Half Swing Panel for single-door, single and dual-access enclosures are (12) gauge steel, have a dual hinge swing panel bracket and furnished with Panel Brackets and all hardware necessary for channel and panel mounting. Panels can be installed so they hinge on either the left or right side. In addition, Half Panels can be mounted in either the upper or lower portion of the enclosure. Free-standing design permits the panel to be adjustable along the depth of the enclosure. The dual hinge will allow the inner panel to swing completely out of the door opening when within 5.50 inches of the front. With dual-access enclosures, Full and Half Swing Panels can be mounted back-to-back.

Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Type 12/13 Panel Enclosures

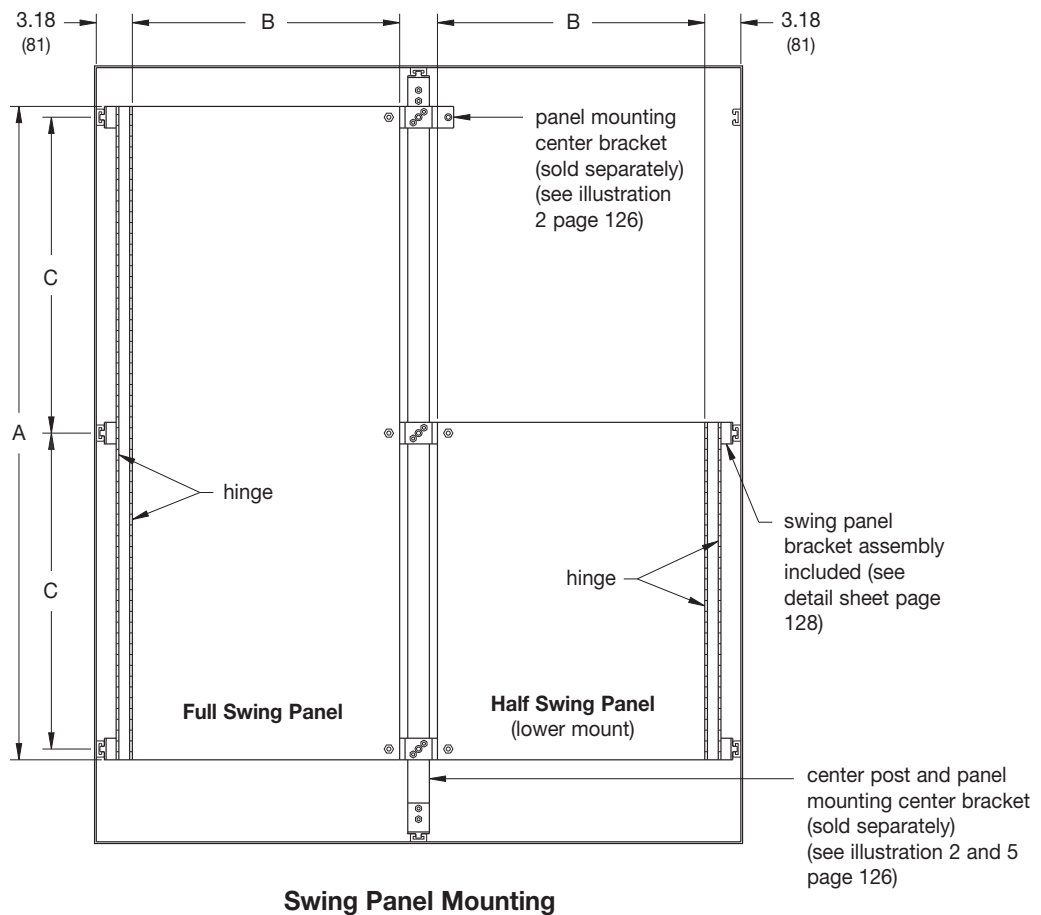
Free-Standing Enclosure Accessories Type 12 Double-Door Full and Half Swing Panel Illustration Sheet and Catalog Number

Discount Schedule: C2
Subclass: DSO

Full Swing Panel (Single-Door)						
Panel Catalog Number	Panel Size Height x Width A x B		C		Fits Enclosure Height x Width	
	in.	mm	in.	mm	in.	mm
AF6024SWP	47.87 x 18.75	1216 x 476	23.12	587	60.00 x 48.00	1524 x 1219
AF7224SWP	59.87 x 18.75	1521 x 476	29.12	740	72.00 x 48.00	1829 x 1219
AF7230SWP	59.87 x 24.75	1521 x 629	29.12	740	72.00 x 60.00	1829 x 1524
AF7236SWP	59.87 x 30.75	1521 x 781	29.12	740	72.00 x 72.00	1829 x 1829
AF9024SWP	77.87 x 18.75	1978 x 781	38.12	968	90.00 x 48.00	2286 x 1219
AF9036SWP	77.87 x 30.75	1978 x 781	38.12	968	90.00 x 72.00	2286 x 1829

Half Swing Panel (Single-Door)						
Panel Catalog Number	Panel Size Height x Width A x B		C		Fits Enclosure Height x Width	
	in.	mm	in.	mm	in.	mm
AF6024HSWP	24.75 x 18.75	629 x 476	23.12	587	60.00 x 48.00	1524 x 1219
AF7224HSWP	30.75 x 18.75	781 x 476	29.12	740	72.00 x 48.00	1829 x 1219
AF7230HSWP	30.75 x 24.75	781 x 629	29.12	740	72.00 x 60.00	1829 x 1524
AF7236HSWP	30.75 x 30.75	781 x 781	29.12	740	72.00 x 72.00	1829 x 1829
AF9024HSWP	39.75 x 18.75	1010 x 476	38.12	968	90.00 x 48.00	2286 x 1219
AF9036HSWP	39.75 x 30.75	1010 x 781	38.12	968	90.00 x 72.00	2286 x 1829

A Center Post assembly and Center Bracket must be ordered separately.



Type 12/13 Panel Encl.

Note: Full Swing Panel and Half Swing Panel for double-door, single and dual-access enclosures are (12) gauge steel, have a dual hinge swing panel bracket, and furnished with hardware necessary for side channel mounting. **A Center Post assembly and Center Bracket must be ordered separately.** Panels can be installed so they hinge either on the left or right side. In addition, Half Panels can be mounted in either the upper or lower portion of the enclosure. Free-standing design permits the panel to adjust along the depth of the enclosure. The dual hinge will allow the inner panel to swing completely out of the door opening when within 5.50 inches of the front. With dual-access enclosures, Full and Half Swing Panels can be mounted back-to-back.

Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Type 12/13 Panel Enclosures

Free-Standing Enclosure Accessories

Type 12

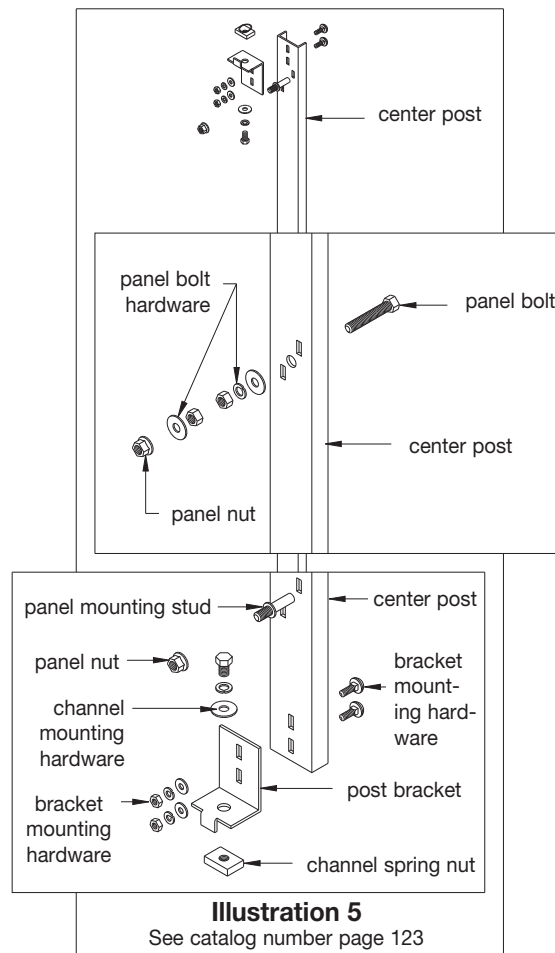
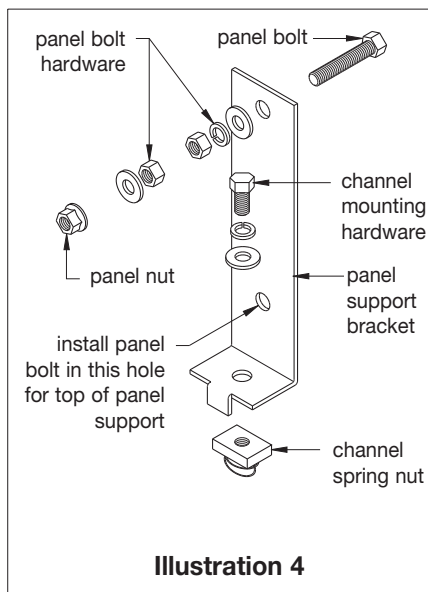
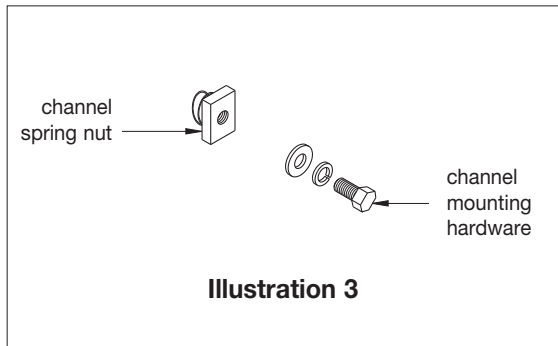
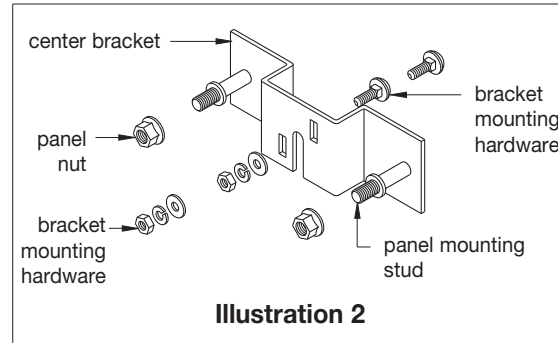
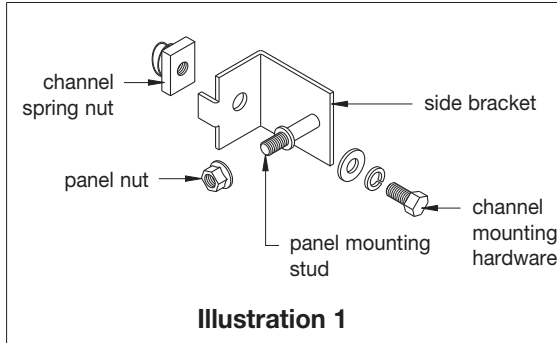
Miscellaneous Accessories

Illustration Sheet and Catalog Number

Discount Schedule: C2

Subclass: DSO

Miscellaneous Accessories			
Catalog Number	Description	Illustration	Quantity
AFSBRKT1	Panel mounting side bracket	1	1
AFCBRKT3	Panel mounting center bracket	2	3
AFCMH3	Channel mounting hardware	3	3
AFPSUP2	Double-door panel support bracket	4	2

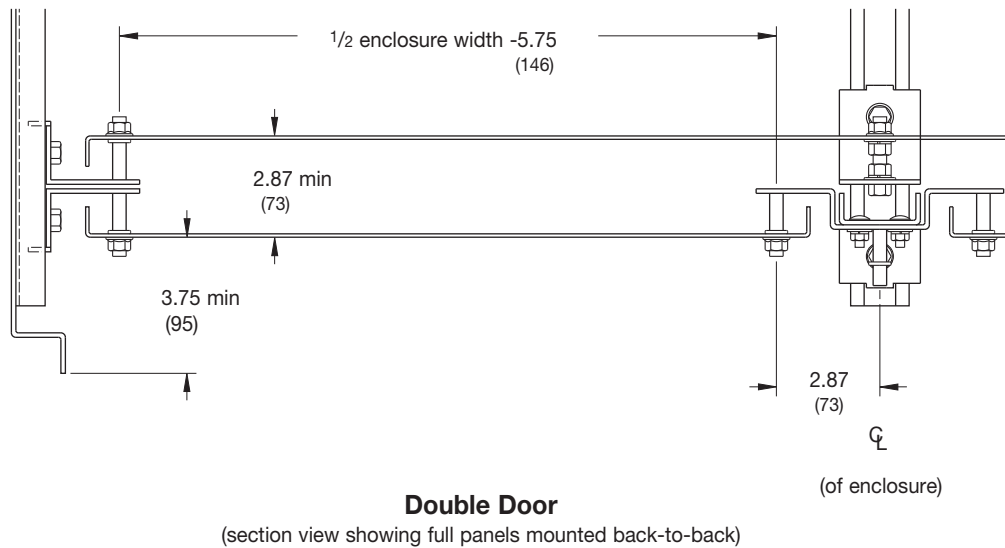
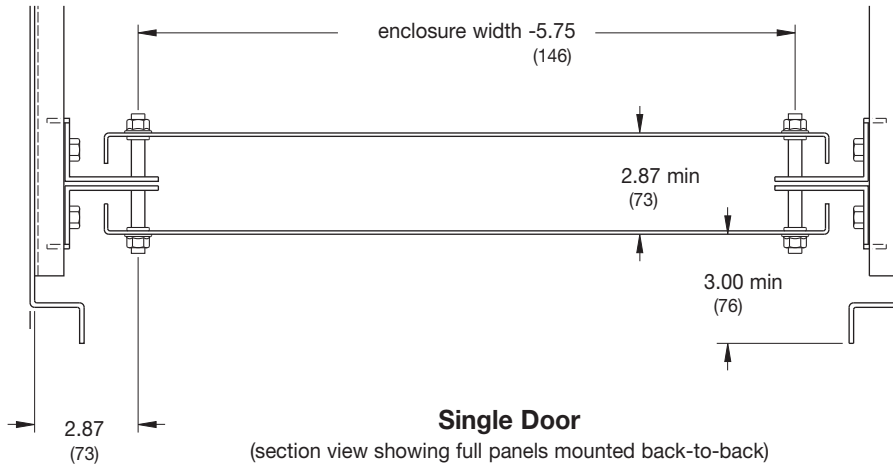


Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Type 12 / 13 Panel Enclosures

Free-Standing Enclosure Details Type 12 Panel and Enclosure Detail Sheet

Discount Schedule: C2
Subclass: DSO



Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Type 12/13 Panel Enclosures

Free-Standing Enclosure Details

Type 12

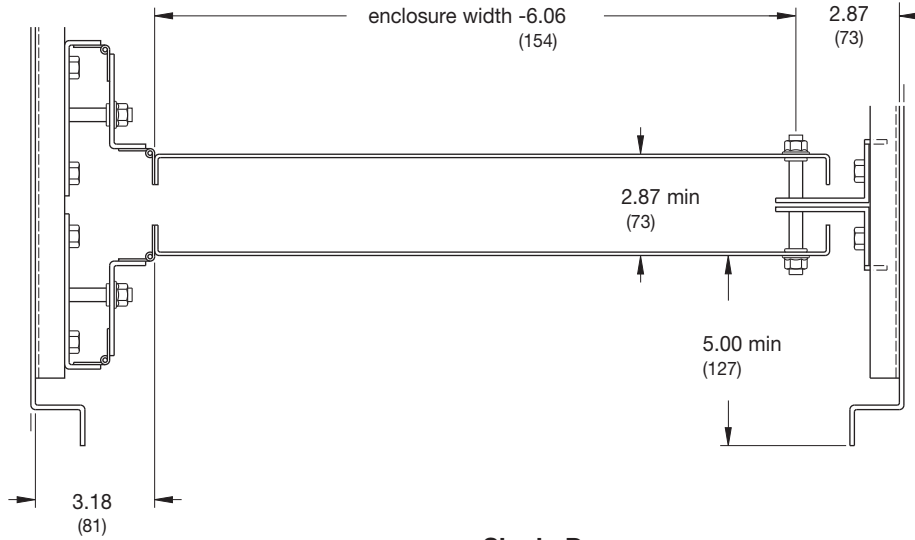
Swing Panel and Enclosure

Detail Sheet

Discount Schedule: C2

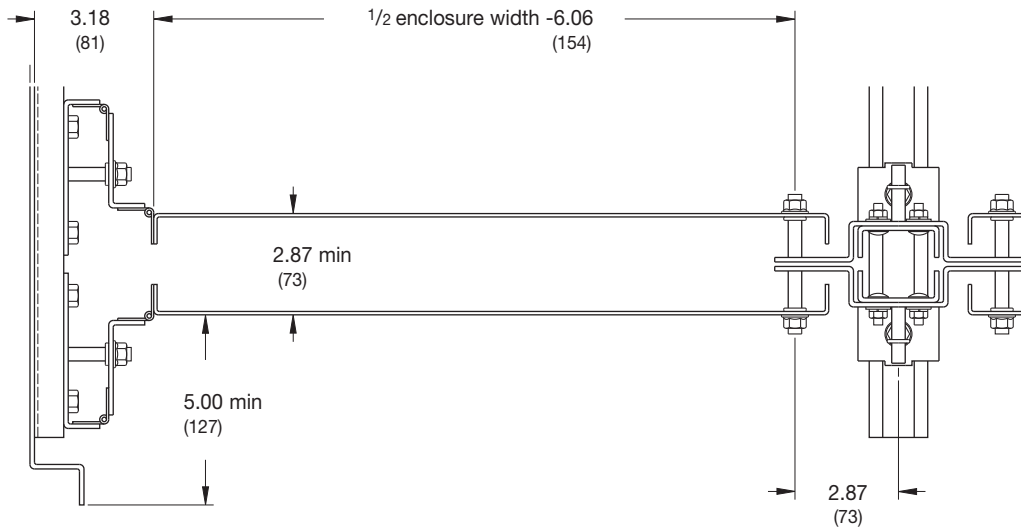
Subclass: DSO

Type 12/13 Panel Encl.



Single Door

(section view showing swing panels mounted back-to-back)



Double Door

(section view showing swing panels mounted back-to-back)

⌀

(of enclosure)

Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Ground-Mount Enclosures Type 12 Modular Free-Standing with 3-Point Locking Data Sheet



Construction

- Enclosure and door are fabricated from (10) gauge steel
- All continuous welded seams are finished smooth
- Doors are secured to the body with a heavy-duty, lift-off hinge and 3-point padlock handle mechanism
- Slave doors cannot open without activation of mechanical interlock but can close in any order
- Double-door units have a removable center post
- Doors have a fixed, oil-resistant gasket
- Print pocket provided
- Modular design and flanged side opening provide strength and a variety of mounting arrangements
- Heavy steel stiffeners welded across the back provide enclosure rigidity
- Removable panels mounted on .375-16 collar studs and panel supports are furnished
- Large lifting eyebolts are supplied

Discount Schedule: G2

Subclass: DNO

Application

- Houses electrical controls and instruments
- Protects against circulating dust, falling dirt and dripping non-corrosive liquids

Standards

- UL 508 listed, Type 12
- CSA C22.2 No.94 certified, Type 12
- Conforms to NEMA standard for Type 12

Finish

- Wash and phosphate undercoat
- ANSI 61 gray polyester powder finish
- Panels have a white polyester powder finish

Accessories

- Channel mounting hardware
- Blank adapter plates
- Operator adapters
- Touch-up paint
- Replacement handle, 11184A (see page 422)
- See Accessories section

Important Note

When ordering modular enclosure systems, be sure to include all the necessary components.

1. Gasket kits and/or end plates (see page 132)

Notes: Cooper B-Line can provide special sizes, finishes and other modifications. Consult the factory for your special requirements.

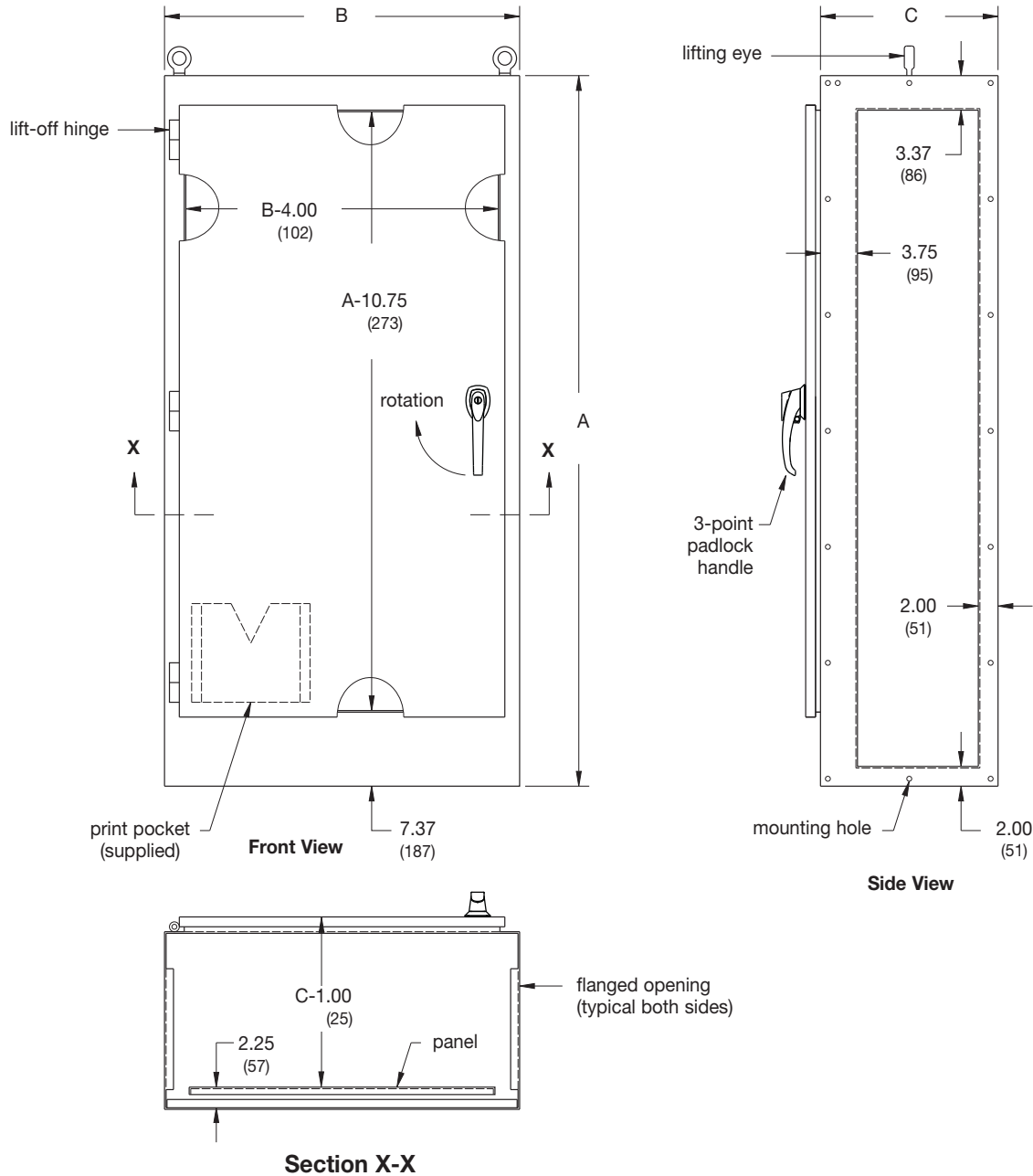
Type 12/13 Panel Enclosures

Ground-Mount Enclosures

Type 12 Modular Single-Door Free-Standing with 3-Point Locking

Illustration Sheet and Catalog Number

Enclosure Catalog Number	Enclosure Size Height x Width x Depth A x B x C		Panel Size Height x Width	
	in.	mm	in.	mm
M723818-12FS	72.00 x 38.75 x 18.00	1829 x 984 x 457	60.00 x 33.75	1524 x 857
M843818-12FS	84.00 x 38.75 x 18.00	2134 x 984 x 457	72.00 x 33.75	1829 x 857
M843824-12FS	84.00 x 38.75 x 24.00	2134 x 984 x 610	72.00 x 33.75	1829 x 857



Type 12/13 Panel Encl.

Notes: Four lifting eyes are furnished when C dimension is 24. Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

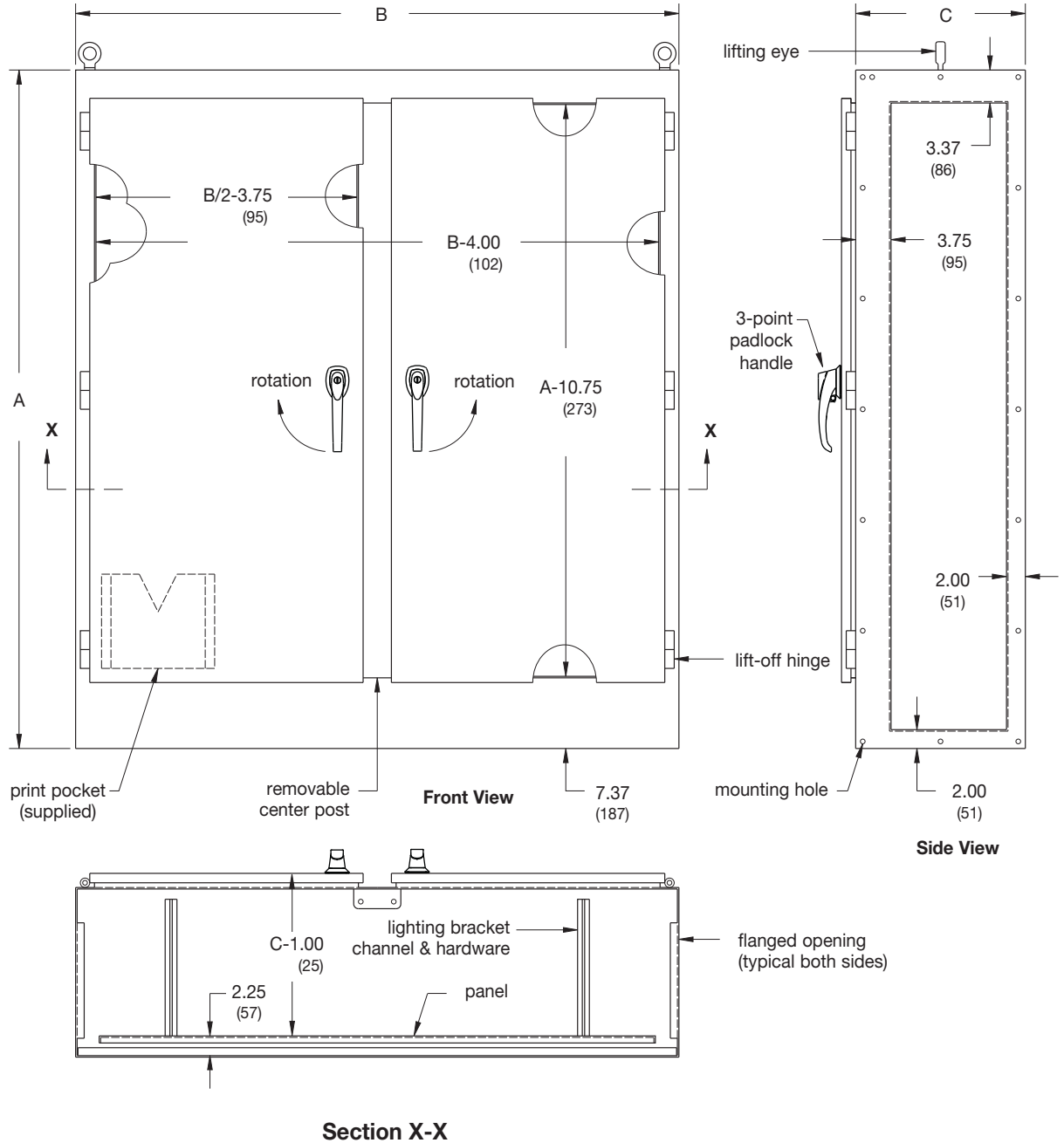
Type 12 / 13 Panel Enclosures

Ground-Mount Enclosures

Type 12 Double-Door Modular Free-Standing with 3-Point Locking

Illustration Sheet and Catalog Number

Enclosure Catalog Number	Enclosure Size Height x Width x Depth A x B x C		Panel Size Height x Width	
	in.	mm	in.	mm
M727718-12FS	72.00 x 77.00 x 18.00	1829 x 1956 x 457	60.00 x 72.00	1524 x 1829
M847718-12FS	84.00 x 77.00 x 18.00	2134 x 1956 x 457	72.00 x 72.00	1829 x 1829
M847724-12FS	84.00 x 77.00 x 24.00	2134 x 1956 x 457	72.00 x 72.00	1829 x 1829



Type 12/13 Panel Encl.

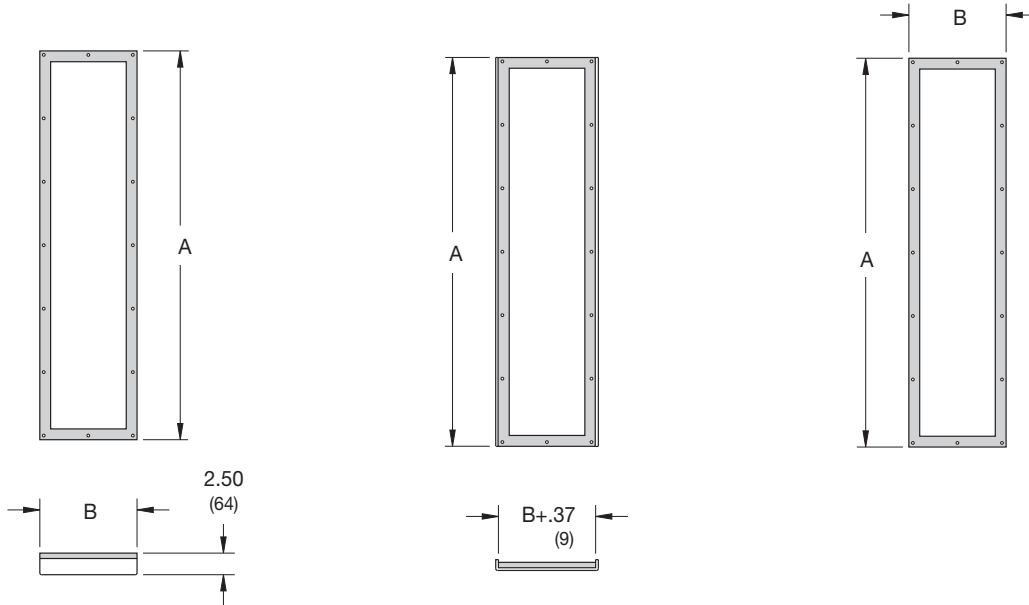
Notes: Four lifting eyes are furnished when C dimension is 24. Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Type 12/13 Panel Enclosures

Modular Free-Standing Enclosure Accessories Type 12 Illustration Sheet and Catalog Number

Modular Accessories								
Catalog Number	Size				Fits Enclosure			
	A		B		H x D			
	in.	mm	in.	mm	in.	mm	in.	mm
End Plate								
M7218-12FEK	72.00	1829	18.00	457	72.00	1829	18.00	457
M8418-12FEK	84.00	2134	18.00	457	84.00	2134	18.00	457
M8424-12FEK	84.00	2134	24.00	610	84.00	2134	24.00	610
Flat End Plate/Barrier								
M7218-12FBK	72.00	1829	18.25	464	72.00	1829	18.00	457
M8418-12FBK	84.00	2134	18.25	464	84.00	2134	18.00	457
M8424-12FBK	84.00	2134	24.25	464	84.00	2134	24.00	610
Gasket Kit								
M7218-12FGK	72.00	1829	18.00	457	72.00	1829	18.00	457
M8418-12FGK	84.00	2134	18.00	457	84.00	2134	18.00	457
M8424-12FGK	84.00	2134	24.00	610	84.00	2134	24.00	610

Type 12/13 Panel Encl.



End Plate
Formed end plate and gasket used to seal open end of Modular enclosure.
Includes: End Plate, Gasket & Hardware.

Flat End Plate
Flat end plate and gasket used to seal open end of Modular enclosure. Also can serve as a barrier when additional gasket is used.
Includes: Flat End Plate, Gasket & Hardware

Gasket Kit
Pre-cut and pre-punched high density poron gasket is required for sealing barrier to additional modular enclosures when ganging.
Includes: Gasket & Hardware.

Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Ground-Mount Enclosures

Type 12 Multi-Door Free-Standing with 3-Point Locking

Data Sheet



Application

- Houses electrical controls and instruments
- Protects against circulating dust, falling dirt and dripping non-corrosive liquids

Standards

- UL 508 listed, Type 12
- CSA C22.2 No.94 certified, Type 12
- Conforms to NEMA standard for Type 12

Accessories

- Channel mounting hardware
- Touch-up paint
- Replacement handle, T4PKHB, (see page 422)
- See Accessories section

Finish

- Wash and phosphate undercoat
- ANSI 61 gray polyester powder finish

Construction

- Enclosure and door are fabricated from (10) gauge steel
- All continuous welded seams are finished smooth
- Doors are secured to the body with a heavy-duty continuous hinge and a 3-point key-locking and padlock handle mechanism
- Double-door sections close right over left with no center post for complete access
- Right side door provides a mechanical interlock and serves as a master door
- Slave doors cannot open without activating mechanical interlock but can close in any order
- Doors have a fixed, oil-resistant gasket
- Ground stud provided on door
- Print pockets provided
- Heavy steel stiffeners welded across the back provide enclosure rigidity
- Lighting mounting channel provided
- Removable panels mounted on .375-16 collar studs and panel supports are furnished behind each door
- Large lifting eyebolts are supplied
- Three styles of enclosure construction:
 1. Three-door: single and double-door section
 2. Four-door: (2) double door sections
 3. Five-door: single and (2) double-door sections
- Panels have a white enamel finish

Discount Schedule: C2

Subclass: DMO

Notes: Cooper B-Line can provide special sizes, finishes and other modifications. Consult the factory for your special requirements.

Type 12/13 Panel Enclosures

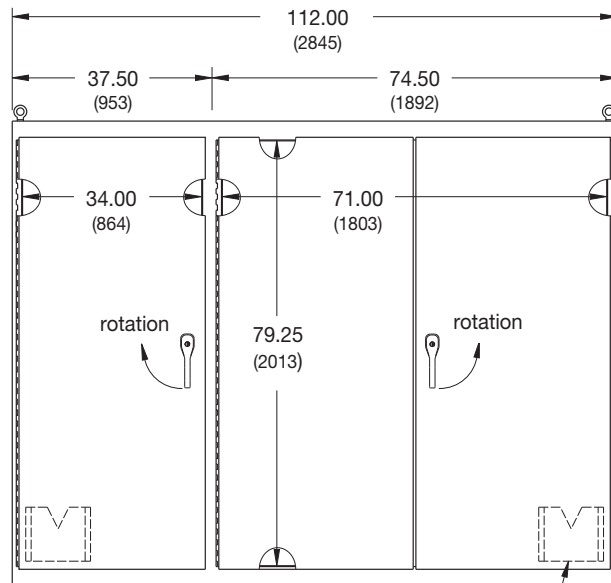
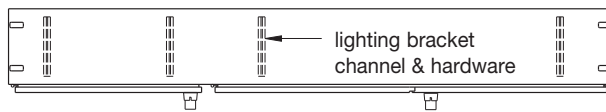
Ground-Mount Enclosures

Type 12 Three-Door Free-Standing with 3-Point Locking

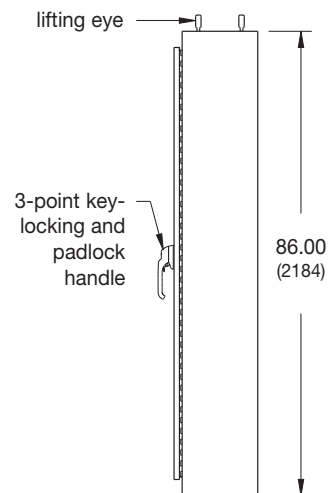
Illustration Sheet and Catalog Number

Enclosure Catalog Number	Enclosure Size		Panel A Size		Panel B Size	
	Height in.	Width x Depth mm	Height in.	Width mm	Height in.	Width mm
8611214-12FS	86.00	112.00 x 14.00	78.00	2184 x 356	78.00	1981 x 1778

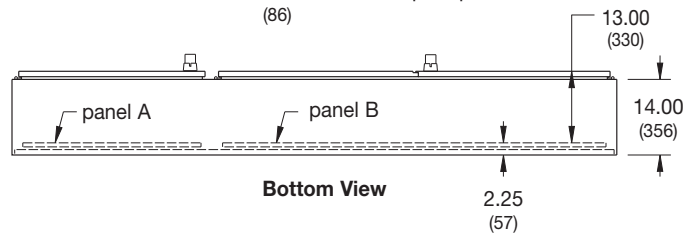
Top View



Front View



Side View



Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

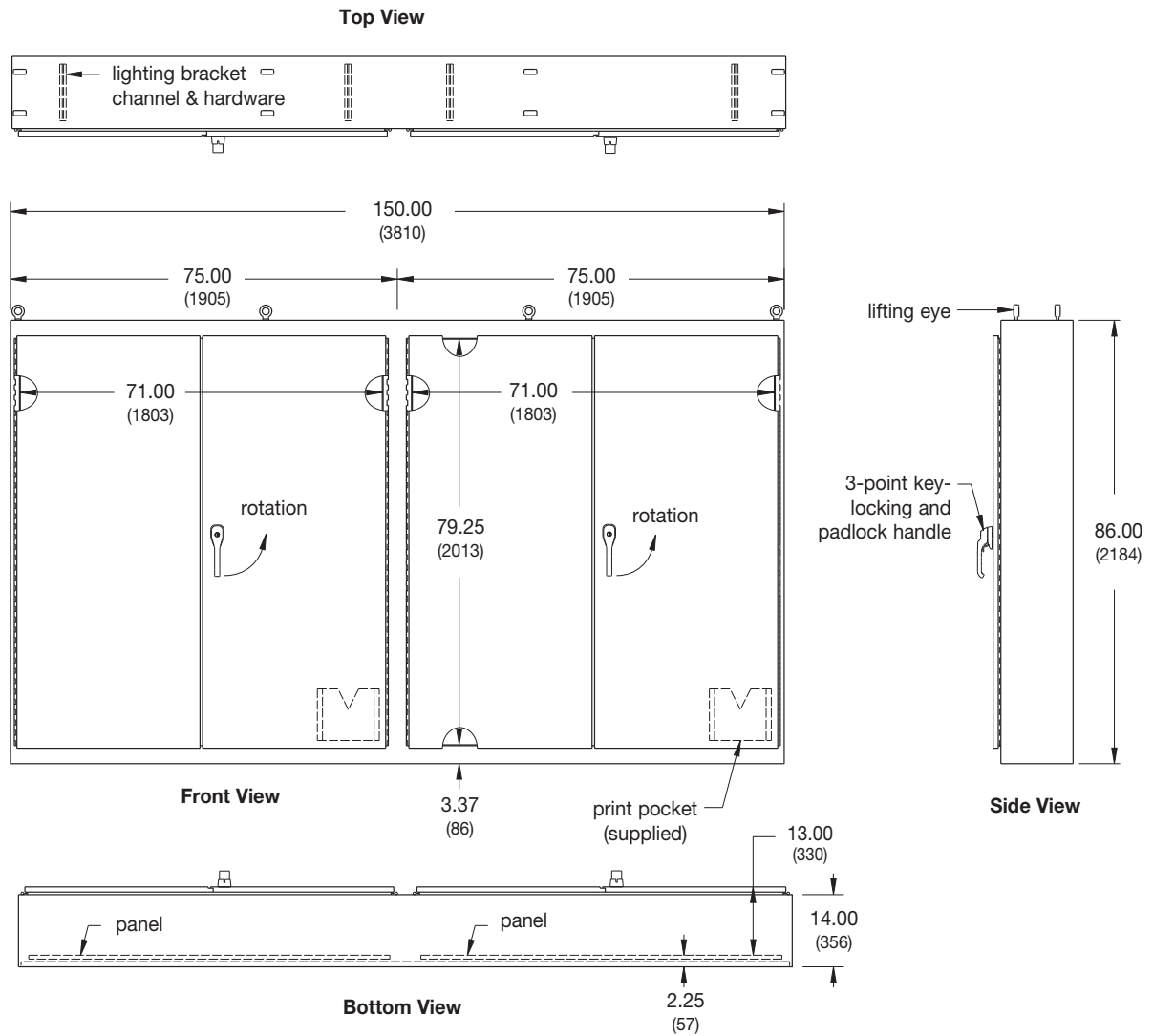
Type 12 / 13 Panel Enclosures

Ground-Mount Enclosures

Type 12 Four-Door Free-Standing with 3-Point Locking

Illustration Sheet and Catalog Number

Enclosure Catalog Number	Enclosure Size		Panel Size	
	Height in.	Width x Depth mm	Height in.	Width mm
8615014-12FS	86.00	150.00 x 14.00	78.00 x 70.00	1981 x 1778



Type 12/13 Panel Encl.

Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Type 12/13 Panel Enclosures

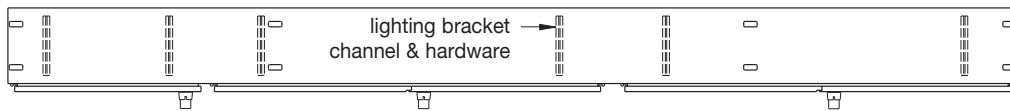
Ground-Mount Enclosures

Type 12 Five-Door Free-Standing with 3-Point Locking

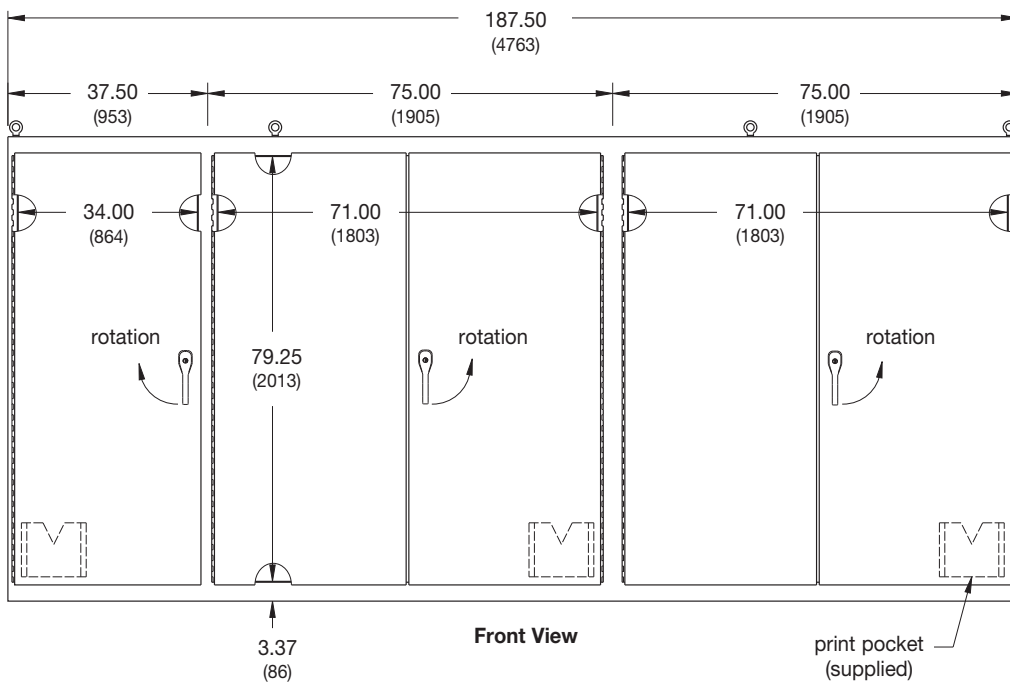
Illustration Sheet and Catalog Number

Enclosure Catalog Number	Enclosure Size Height x Width x Depth		Panel A Size Height x Width		Panel B Size Height x Width	
	in.	mm	in.	mm	in.	mm
8618714-12FS	86.00	2184	78.00	1981	78.00	1981
	187.50	4763	33.00	838	70.00	1778
	14.00	356				

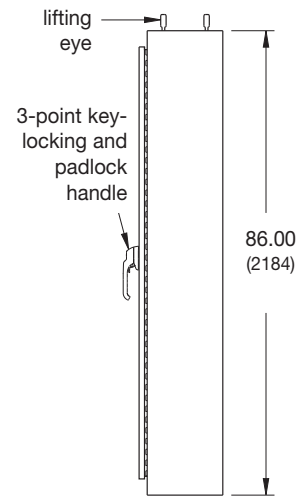
Top View



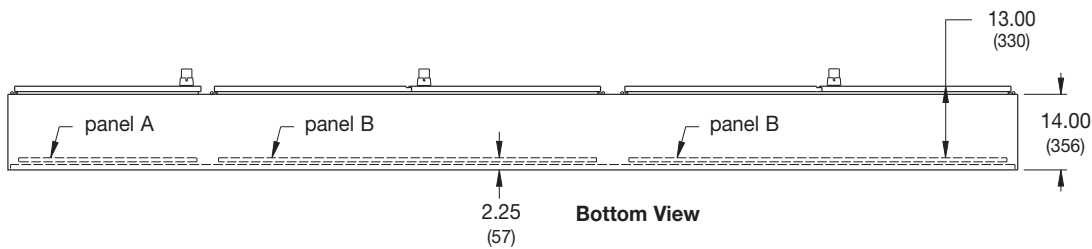
Type 12/13 Panel Encl.



Front View



Side View



Bottom View

Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.



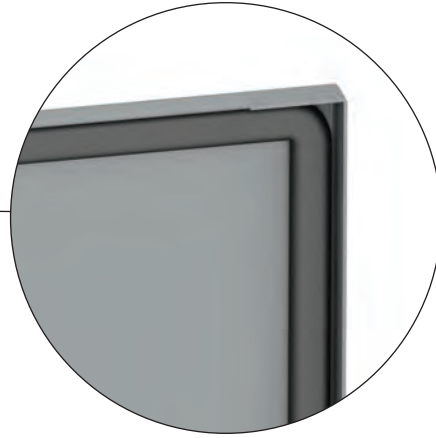
Type 4 Panel Enclosures

Type 4 Panel Enclosures

JIC Enclosures Type 4 Lift-Off Cover	138-139
JIC Enclosures Type 4 Continuous Hinge Cover	140-141
JIC Enclosures Type 4 JIC Continuous Hinge Cover Quarter-Turn Latches	142-143
Wall-Mount Enclosures Type 4 Single-Door	144-146
Wall-Mount Enclosures Type 4 Premier™ Series Quarter-Turn Latches	147-149
Wall-Mount Enclosures Type 4 Premier™ Series Flush-Mount Quarter-Turn Latches	150-151
Wall-Mount Enclosures Type 12 Premier™ Series Double-Door Quarter-Turn Latches	152-153
Premier™ Series Accessories	154-159
Wall-Mount Enclosures Type 4 Single-Door 3-Point Locking	160-161
Wall-Mount Enclosures Type 4 Double-Door 3-Point Locking	162-163
Floor-Mounted Enclosures Type 4 Double-Door Floor-Standing	164-165
Floor-Mounted Enclosures Type 4 Double-Door Floor-Standing Quarter-Turn Latches	166-167
Ground-Mount Enclosures Type 4 Double-Door Floor-Standing 3-Point Locking	168-169
Ground-Mount Enclosures Type 4 Free-Standing	170-171
Ground-Mount Enclosures Type 4 Free-Standing Quarter-Turn Latches	172-173
Ground-Mount Enclosures Type 4 Free-Standing 3-Point Locking	174-175
Ground-Mount Enclosures Type 4 EnviroShield™ Free-Standing 3-Point Locking	176-177
Free-Standing Enclosure Accessories	178-190

Type 4 Panel Enclosures

JIC Enclosures Type 4 Lift-Off Cover Data Sheet



Seamless poured in-place gasket

Application

- Houses electrical controls and instruments
- Intended for indoor or outdoor use
- Protects against windblown dust and rain, splashing water and hose directed water

Standards

- UL 508 listed, Type 4, Type 12 and Type 13
- CSA C22.2 No.94 certified, Type 4, Type 12 and Type 13
- Conforms to NEMA standard for Type 4, Type 12 and Type 13
- Conforms to JIC standard EGP-1-1967

Finish

- Wash and phosphate undercoat
- ANSI 61 gray polyester powder finish

Accessories

- Panels
- JIC terminal strap kit
- JIC terminal strip kit
- Terminal blocks
- Touch-up paint
- See Accessories section

Construction

- Enclosure and cover are fabricated from (16) gauge steel
- All continuous welded seams are finished smooth
- Cover is secured to the body with easy to operate stainless steel screw clamps mounted on all four sides
- Cover has a seamless poured in-place gasket
- Ground stud provided on cover
- #10-32 weldnuts are provided for mounting optional panel on 6" x 4" and larger enclosures
- External mounting feet are provided for secure wall mounting

Discount Schedule: C2

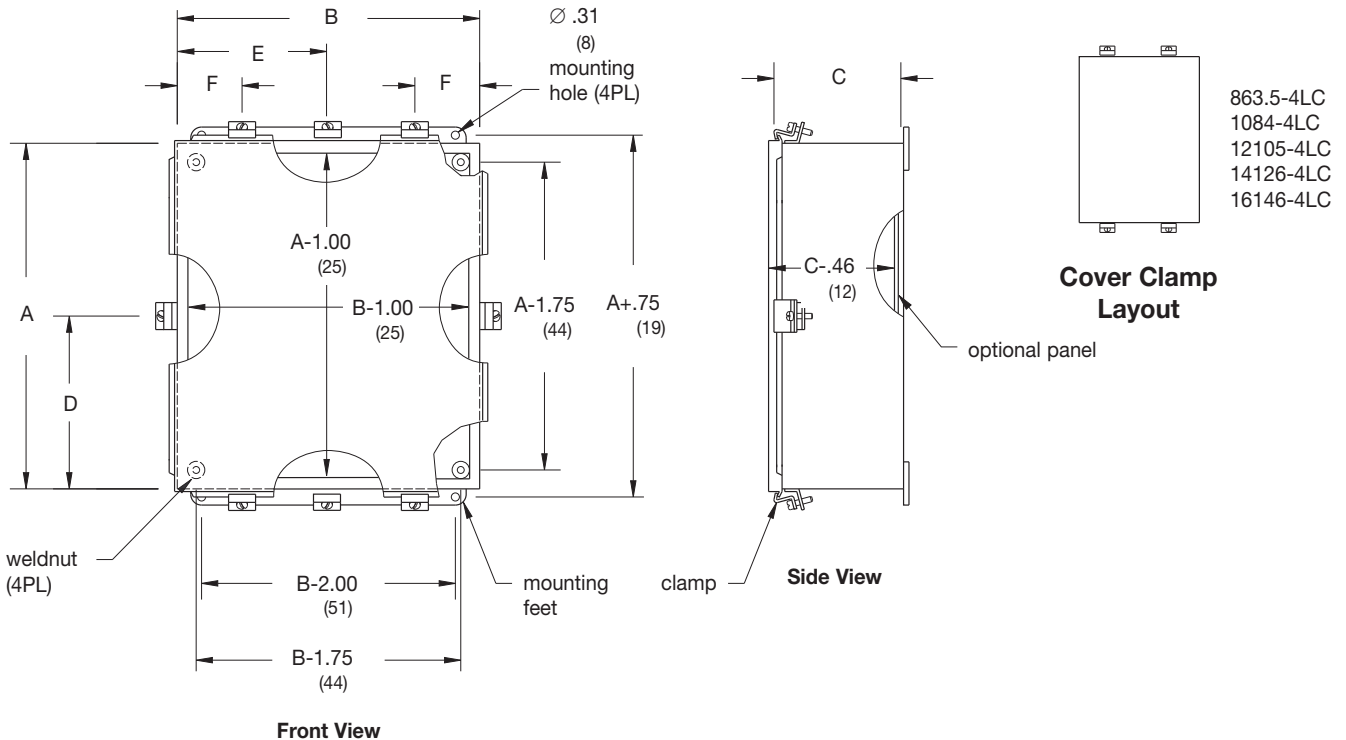
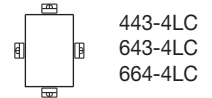
Subclass: DCO

Notes: Cooper B-Line can provide special sizes, finishes and other modifications. Consult the factory for your special requirements.

Type 4 Panel Enclosures

JIC Enclosures Type 4 Lift-Off Cover Illustration Sheet and Catalog Number

Enclosure Catalog Number	Enclosure Size Height x Width x Depth A x B x C		D		E		F		Panel Catalog Number		Panel Size Height x Width	
	in.	mm	in.	mm	in.	mm	in.	mm	Painted	Conductive	in.	mm
443-4LC	4.00 x 4.00 x 3.00	102 x 102 x 76	2.00	51	2.00	51	-	-	-	-	-	-
643-4LC	6.00 x 4.00 x 3.00	152 x 102 x 76	3.00	76	2.00	51	-	-	AW64P	AW64GP	4.87 x 2.87	124 x 73
863.5-4LC	8.00 x 6.00 x 3.50	203 x 152 x 89	-	-	-	-	2.00	51	AW86P	AW86GP	6.87 x 4.87	174 x 124
664-4LC	6.00 x 6.00 x 4.00	152 x 152 x 102	3.00	76	3.00	76	-	-	AW66P	AW66GP	4.87 x 4.87	124 x 124
1084-4LC	10.00 x 8.00 x 4.00	254 x 203 x 102	-	-	-	-	2.00	51	AW108P	AW108GP	8.87 x 6.87	225 x 174
12105-4LC	12.00 x 10.00 x 5.00	305 x 254 x 127	-	-	-	-	3.00	76	AW1210P	AW1210GP	10.87 x 8.87	276 x 225
14126-4LC	14.00 x 12.00 x 6.00	356 x 305 x 152	-	-	-	-	3.00	76	AW1412P	AW1412GP	12.87 x 10.87	327 x 276
16146-4LC	16.00 x 14.00 x 6.00	406 x 356 x 152	-	-	-	-	3.00	76	AW1614P	AW1614GP	14.87 x 12.87	378 x 327



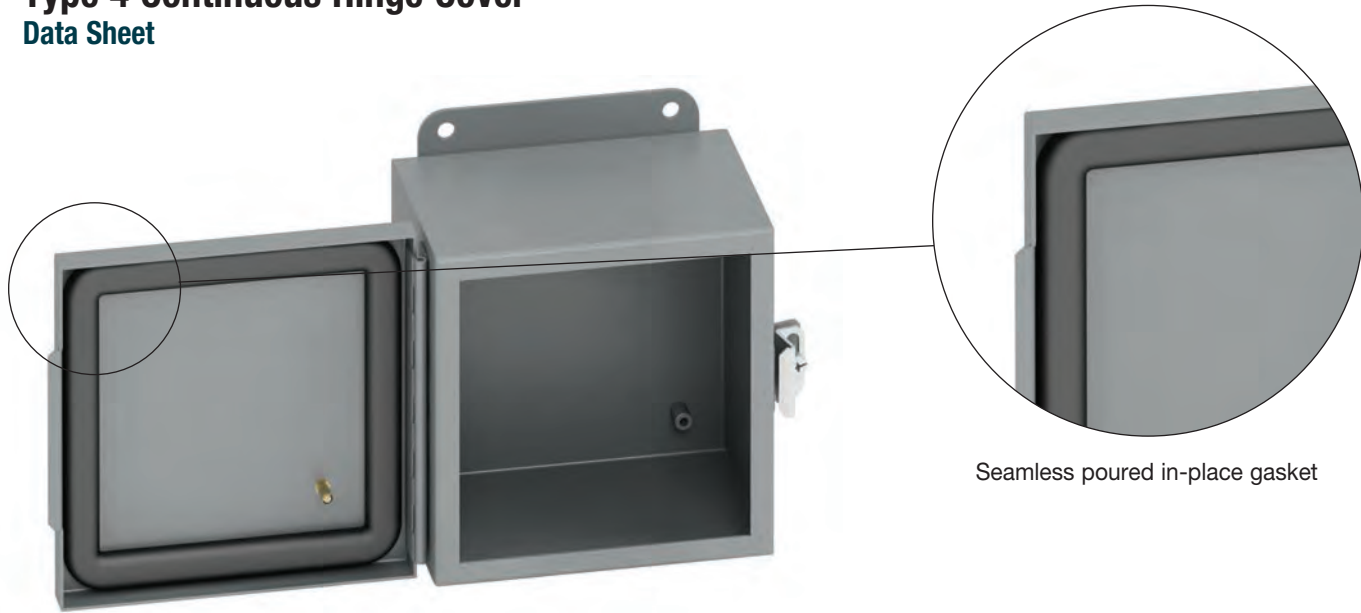
Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Type 4 Panel Enclosures

JIC Enclosures

Type 4 Continuous Hinge Cover

Data Sheet



Seamless poured in-place gasket

Application

- Houses electrical controls and instruments
- Intended for indoor or outdoor use
- Protects against windblown dust and rain, splashing water and hose directed water

Standards

- UL 508 listed, Type 4, Type 12 and Type 13
- CSA C22.2 No.94 certified, Type 4, Type 12 and Type 13
- Conforms to NEMA standard for Type 4, Type 12 and Type 13
- Conforms to JIC standard EGP-1-1967

Finish

- Wash and phosphate undercoat
- ANSI 61 gray polyester powder finish

Accessories

- Panels
- JIC terminal strap kit
- JIC terminal strip kit
- Terminal blocks
- Touch-up paint
- See Accessories section

Construction

- Enclosure and cover are fabricated from (16) gauge steel
- All continuous welded seams are finished smooth
- Cover is secured to the body with a continuous hinge on one side and easy-to-operate stainless steel screw clamps mounted to the opposite side
- Stainless steel hinge pin
- Cover has a seamless poured in-place gasket
- Ground stud provided on cover
- #10-32 weldnuts are provided for mounting optional panel on 6" x 4" and larger enclosures
- External mounting feet are provided for secure wall mounting

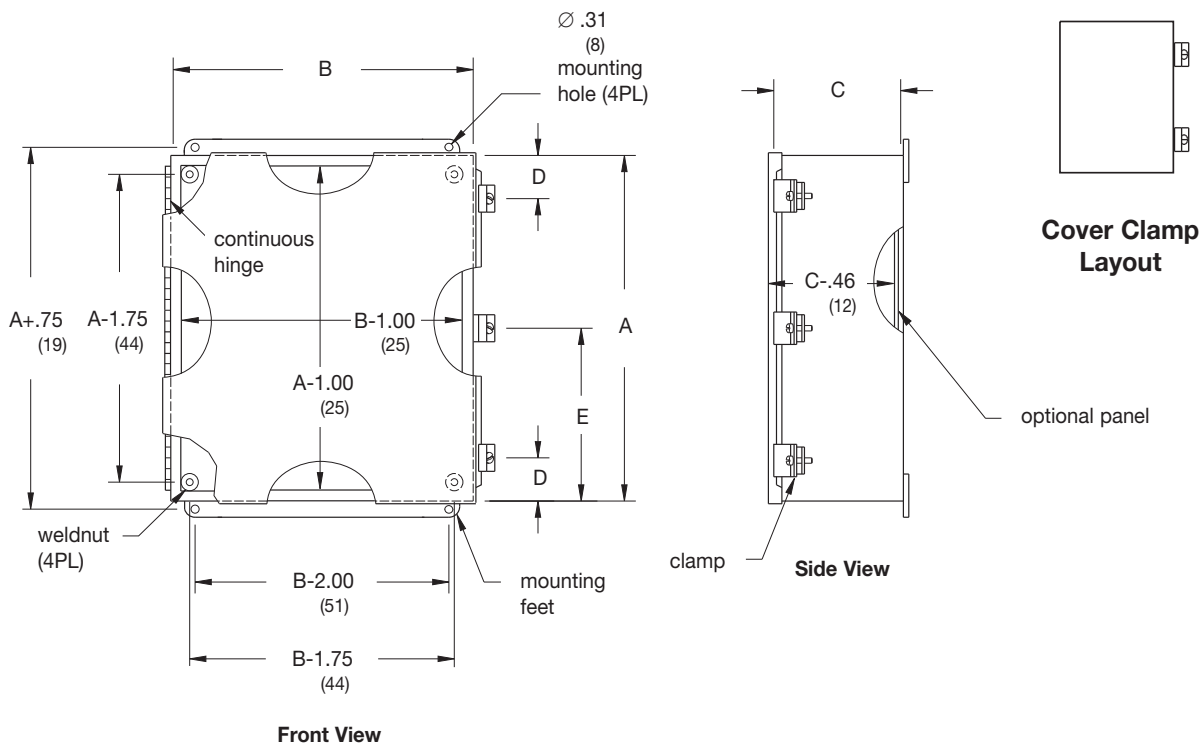
Discount Schedule: C2

Subclass: DC0

Notes: Cooper B-Line can provide special sizes, finishes and other modifications. Consult the factory for your special requirements.

JIC Enclosures Type 4 Continuous Hinge Cover Illustration Sheet and Catalog Number

Enclosure Catalog Number	Enclosure Size Height x Width x Depth A x B x C		D		E		Panel Catalog Number		Panel Size Height x Width	
	in.	mm	in.	mm	in.	mm	Steel	Conductive	in.	mm
443-4CHC	4.00 x 4.00 x 3.00	102 x 102 x 76	-	-	2.00	51	-	-	-	-
643-4CHC	6.00 x 4.00 x 3.00	152 x 102 x 76	-	-	3.00	76	AW64P	AW66GP	4.87 x 2.87	124 x 73
863.5-4CHC	8.00 x 6.00 x 3.50	203 x 152 x 89	2.00	51	-	-	AW86P	AW86GP	6.87 x 4.87	174 x 124
644-4CHC	6.00 x 4.00 x 4.00	152 x 102 x 102	-	-	3.00	76	AW64P	AW64GP	4.87 x 2.87	124 x 73
664-4CHC	6.00 x 6.00 x 4.00	152 x 152 x 102	-	-	3.00	76	AW66P	AW66GP	4.87 x 4.87	124 x 124
1084-4CHC	10.00 x 8.00 x 4.00	254 x 203 x 102	2.00	51	-	-	AW108P	AW108GP	8.87 x 6.87	225 x 174
12105-4CHC	12.00 x 10.00 x 5.00	305 x 254 x 127	3.00	76	-	-	AW1210P	AW1210GP	10.87 x 8.87	276 x 225
1086-4CHC	10.00 x 8.00 x 6.00	254 x 203 x 152	2.00	51	-	-	AW108P	AW108GP	8.87 x 6.87	225 x 174
12126-4CHC	12.00 x 12.00 x 6.00	305 x 305 x 152	3.00	76	-	-	AW1212P	AW1212GP	10.87 x 10.87	276 x 276
14126-4CHC	14.00 x 12.00 x 6.00	356 x 305 x 152	3.00	76	-	-	AW1412P	AW1412GP	12.87 x 10.87	327 x 276
16146-4CHC	16.00 x 14.00 x 6.00	406 x 356 x 152	3.00	76	-	-	AW1614P	AW1614GP	14.87 x 12.87	378 x 327



443-4CHC
643-4CHC
644-4CHC
664-4CHC

863.5-4CHC
1084-4CHC
1086-4CHC
12105-4CHC
12126-4CHC
14126-4CHC
16146-4CHC

Type 4 Panel Enclosures

Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Type 4 Panel Enclosures

JIC Enclosures

Type 4 Continuous Hinge Cover with Quarter-Turn Latches

Data and Illustration Sheet



Application

- Houses electrical controls and instruments
- Intended for indoor or outdoor use
- Protects against windblown dust and rain, splashing water and hose directed water

Standards

- UL 508 Listed, Type 4, 12
- CSA C22.2 No.94 certified, Type 4, 12
- Conforms to NEMA Standards for Type 3, 4, 12
- Conforms to JIC standards EGP-1-1967

Finish

- Wash and phosphate undercoat
- ANSI 61 gray polyester powder finish

Accessories

- Panels
- Swing-out panel kits
- JIC terminal kits
- Window kits
- Locks and latches

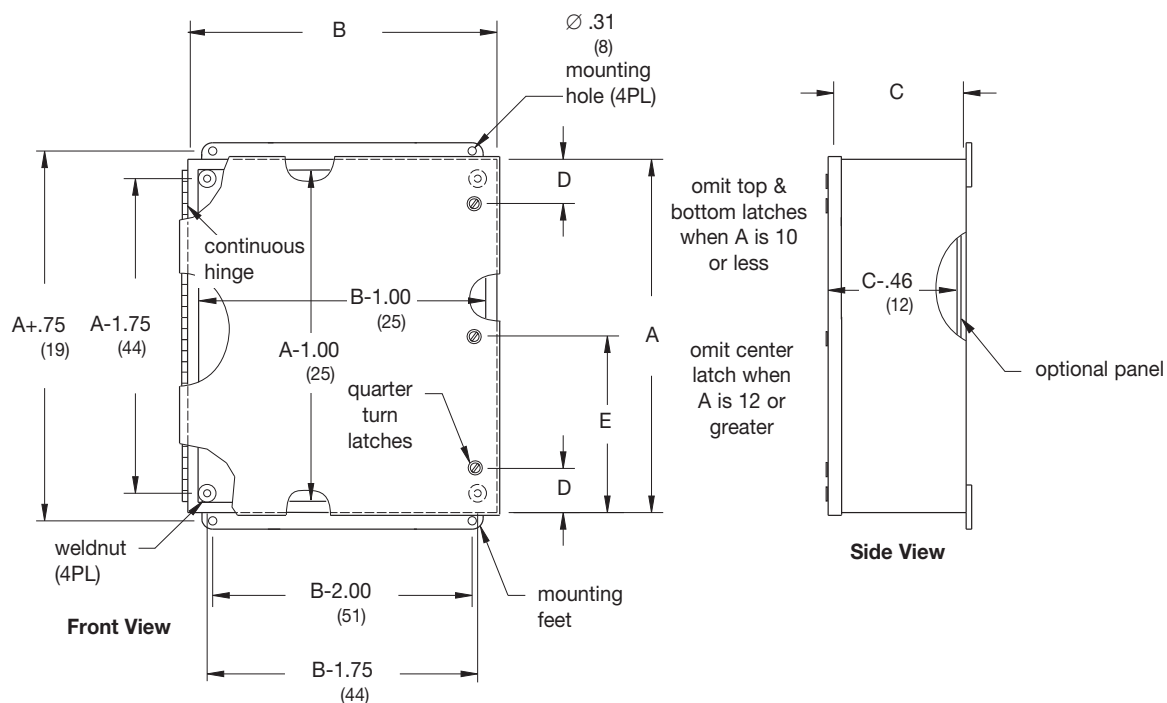
Construction

- Enclosure and cover are fabricated from (16) Gauge Steel
- All continuous welded seams are finished smooth
- Continuous hinge with stainless steel hinge pin
- Slotted quarter-turn flush latch(es)
- Cover has a seamless poured in-place gasket
- Ground stud provided on cover
- #10-32 weldnuts are provided for mounting optional panel on 6" x 4" and larger enclosures
- External mounting feet

Discount Schedule: C2

Subclass: DC0

Type 4 Panel Enclosures



Notes: Cooper B-Line can provide special sizes, finishes and other modifications. Consult the factory for your special requirements.

JIC Enclosures


Type 4 Continuous Hinge Cover with Quarter-Turn Latches

Illustration Sheet and Catalog Number

Enclosure Catalog Number	Enclosure Size Height x Width x Depth A x B x C		D		E		Panel Catalog Number	Conductive Catalog Number	Panel Size Panel Height x Width	
	in.	mm	in.	mm	in.	mm			in.	mm
443-4QT	4 x 4 x 3	101 x 101 x 76	-	-	2	51	-	-	-	-
643-4QT	6 x 4 x 3	152 x 101 x 76	-	-	3	76	AW64P	AW64GP	4.87 x 2.87	123 x 73
863.5-4QT	8 x 6 x 3.5	203 x 152 x 89	-	-	4	101	AW86P	AW86GP	6.87 x 4.87	174 x 123
864-4QT	8 x 6 x 4	203 x 152 x 101	-	-	4	101	AW86P	AW86GP	6.87 x 4.87	174 x 123
444-4QT	4 x 4 x 4	101 x 101 x 101	-	-	2	51	-	-	-	-
644-4QT	6 x 4 x 4	152 x 101 x 101	-	-	3	76	AW64P	AW64GP	4.87 x 2.87	123 x 73
664-4QT	6 x 6 x 4	152 x 152 x 101	-	-	3	76	AW66P	AW66GP	4.87 x 4.87	123 x 123
884-4QT	8 x 8 x 4	203 x 203 x 101	-	-	4	101	AW88P	AW88GP	6.87 x 6.87	174 x 174
1084-4QT	10 x 8 x 4	254 x 203 x 101	-	-	5	127	AW108P	AW108GP	8.87 x 6.87	225 x 174
1264-4QT	12 x 6 x 4	305 x 152 x 101	3	76	-	-	AW126P	-	10.87 x 4.87	276 x 123
12105-4QT	12 x 10 x 5	305 x 254 x 127	3	76	-	-	AW1210P	AW1210GP	10.87 x 8.87	276 x 225
866-4QT	8 x 6 x 6	203 x 152 x 152	-	-	4	101	AW86P	AW86GP	6.87 x 4.87	174 x 123
886-4QT	8 x 8 x 6	203 x 203 x 152	-	-	4	101	AW88P	AW88GP	6.87 x 6.87	174 x 174
1086-4QT	10 x 8 x 6	254 x 203 x 152	-	-	5	127	AW108P	AW108GP	8.87 x 6.87	225 x 174
10106-4QT	10 x 10 x 6	254 x 254 x 152	-	-	5	127	AW1010P	AW1010GP	8.87 x 8.87	225 x 225
12106-4QT	12 x 10 x 6	305 x 254 x 152	3	76	-	-	AW1210P	AW1210GP	10.87 x 8.87	276 x 225
12126-4QT	12 x 12 x 6	305 x 305 x 152	3	76	-	-	AW1212P	AW1212GP	10.87 x 10.87	276 x 276
1486-4QT	14 x 8 x 6	355 x 203 x 152	3	76	-	-	AW148P	-	12.87 x 6.87	327 x 174
14126-4QT	14 x 12 x 6	355 x 305 x 152	3	76	-	-	AW1412P	AW1412GP	12.87 x 10.87	327 x 276
16106-4QT	16 x 10 x 6	406 x 254 x 152	3	76	-	-	AW1610P	-	14.87 x 8.87	377 x 225
16146-4QT	16 x 14 x 6	406 x 355 x 152	3	76	-	-	AW1614P	AW1614GP	14.87 x 12.87	377 x 327
12108-4QT	12 x 10 x 8	305 x 254 x 203	3	76	-	-	AW1210P	AW1210GP	10.87 x 8.87	276 x 225
14128-4QT	14 x 12 x 8	355 x 305 x 203	3	76	-	-	AW1412P	AW1412GP	12.87 x 10.87	327 x 276
16148-4QT	16 x 14 x 8	406 x 355 x 203	3	76	-	-	AW1614P	AW1614GP	14.87 x 12.87	377 x 327
161410-4QT	16 x 14 x 10	406 x 355 x 254	3	76	-	-	AW1614P	AW1614GP	14.87 x 12.87	377 x 327

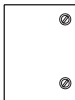
Type 4 Panel Enclosures

**Quarter-Turn Latch
Layout**



443-4QT
643-4QT
863.5-4QT
864-4QT
444-4QT
644-4QT
664-4QT

884-4QT
866-4QT
886-4QT
1084-4QT
1086-4QT
10106-4QT



1264-4QT
12105-4QT
12106-4QT
12126-4QT
1486-4QT
14126-4QT

16106-4QT
16146-4QT
12108-4QT
14128-4QT
16148-4QT
161410-4QT

Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Type 4 Panel Enclosures

Wall-Mount Enclosures Type 4 Single-Door Data Sheet



Application

- Houses electrical controls and instruments
- Intended for indoor or outdoor use
- Protects against windblown dust and rain, splashing water and hose directed water

Standards

- UL 508 listed, Type 4, Type 12 and Type 13
- CSA C22.2 No.94 certified, Type 4, Type 12 and Type 13
- Conforms to NEMA standard for Type 4, Type 12 and Type 13

Finish

- Wash and phosphate undercoat
- ANSI 61 gray polyester powder finish

Accessories

- Panels
- NEMA terminal strap kit
- Terminal blocks
- Door lock kit
- Floor stand kit
- Touch-up paint
- See Accessories section

Construction

- Enclosure and door are fabricated from code gauge steel, (see table, page 146)
- All continuous welded seams are finished smooth
- Doors are secured to the body with a heavy-duty continuous hinge on one side and easy-to-release stainless steel door clamps mounted to the other three sides
- Ground stud provided on door
- Formed lip around enclosure opening diverts liquids and contaminants
- Each door has a padlock hasp with sealing hole provision
- Print pocket provided
- Door has a seamless poured in-place gasket
- .375-16 collar studs are provided for mounting optional panel
- External mounting feet are provided for secure wall mounting

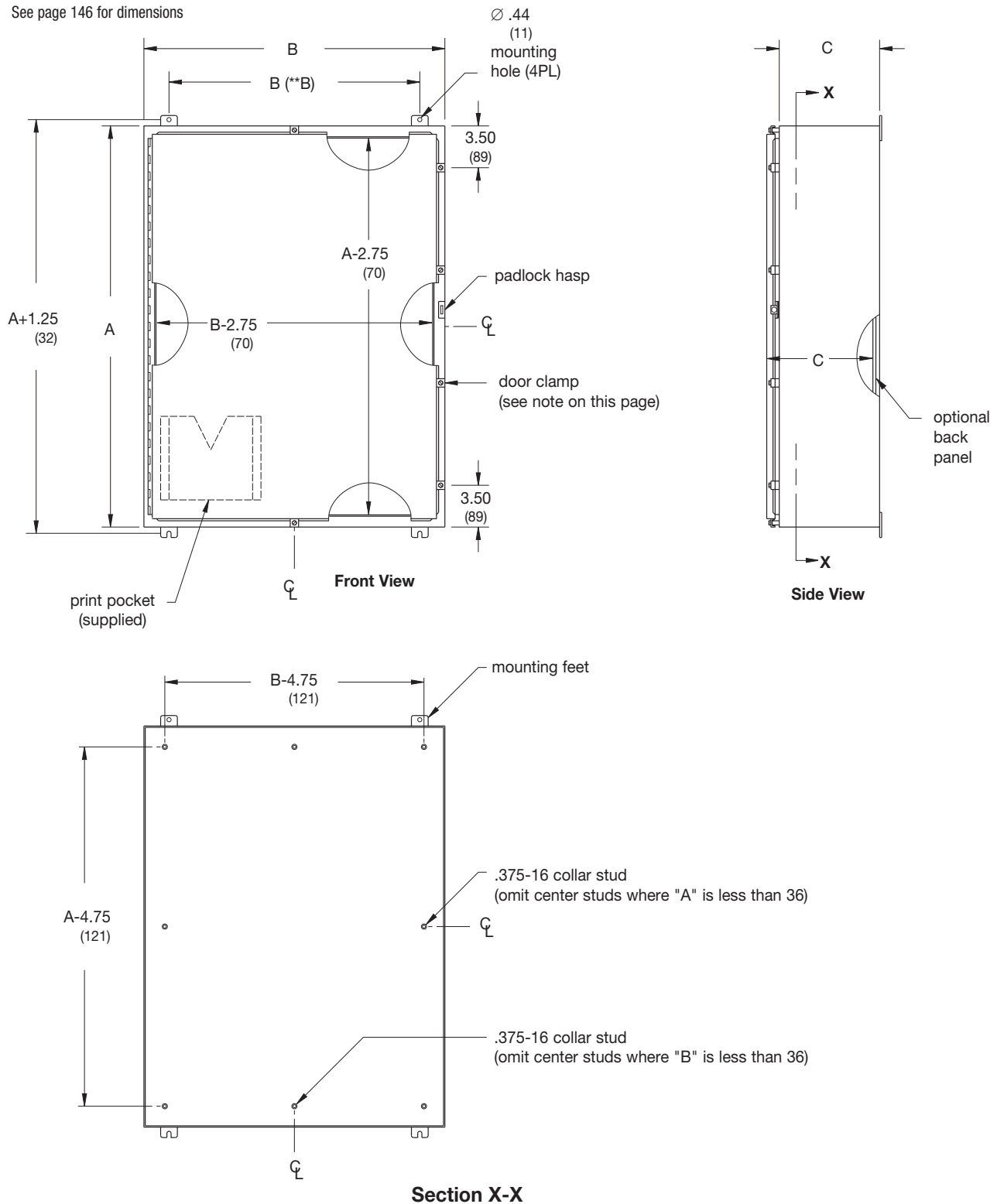
Discount Schedule: C2

Subclass: DF0

Notes: Cooper B-Line can provide special sizes, finishes and other modifications. Consult the factory for your special requirements.

Wall-Mount Enclosures Type 4 Single-Door Illustration Sheet

See page 146 for dimensions



Notes: Dimensions: **B = (-2.50) if 12 inches wide; (-6.00) if wider than 12 inches. Clamps are mounted along three sides of the enclosure door. Spacing between clamps along side opposite the hinge does not exceed 15 inches. Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Type 4 Panel Enclosures

Wall-Mount Enclosures Type 4 Single-Door Catalog Number

Type 4 Panel Enclosures

Enclosure Catalog Number	Enclosure Size Height x Width x Depth		Gauge	Panel		Panel Size	
	A x B x C			Painted	Conductive	Height x Width	
	in.	mm				in.	mm
16126-4	16.00 x 12.00 x 6.00	406 x 305 x 152	16	AW1612P	AW1612GP	13.00 x 9.00	330 x 229
16166-4	16.00 x 16.00 x 6.00	406 x 406 x 152	16	AW1616P	AW1616GP	13.00 x 13.00	330 x 330
16206-4	16.00 x 20.00 x 6.00	406 x 508 x 152	16	AW2016P	AW2016GP	13.00 x 17.00	330 x 432
20166-4	20.00 x 16.00 x 6.00	508 x 406 x 152	16	AW2016P	AW2016GP	17.00 x 13.00	432 x 330
20206-4	20.00 x 20.00 x 6.00	508 x 508 x 152	16	AW2020P	AW2020GP	17.00 x 17.00	432 x 432
24126-4	24.00 x 12.00 x 6.00	610 x 305 x 152	16	AW2412P	--	21.00 x 9.00	533 x 229
24166-4	24.00 x 16.00 x 6.00	610 x 406 x 152	16	AW2416P	AW2416GP	21.00 x 13.00	533 x 330
24206-4	24.00 x 20.00 x 6.00	610 x 508 x 152	16	AW2420P	AW2420GP	20.87 x 16.87	530 x 428
24246-4	24.00 x 24.00 x 6.00	610 x 610 x 152	14	AW2424P	AW2424GP	20.87 x 20.87	530 x 530
30206-4	30.00 x 20.00 x 6.00	762 x 508 x 152	14	AW3020P	AW3020GP	26.87 x 16.87	682 x 428
30246-4	30.00 x 24.00 x 6.00	762 x 610 x 152	14	AW3024P	AW3024GP	26.87 x 20.87	682 x 530
36246-4	36.00 x 24.00 x 6.00	914 x 610 x 152	14	AW3624P	AW3624GP	32.87 x 20.87	835 x 530
16128-4	16.00 x 12.00 x 8.00	406 x 305 x 203	16	AW1612P	AW1612GP	13.00 x 9.00	330 x 229
20168-4	20.00 x 16.00 x 8.00	508 x 406 x 203	16	AW2016P	AW2016GP	17.00 x 13.00	432 x 330
20208-4	20.00 x 20.00 x 8.00	508 x 508 x 203	16	AW2020P	AW2020GP	17.00 x 17.00	432 x 432
20248-4	20.00 x 24.00 x 8.00	508 x 610 x 203	16	AW2420P	AW2420GP	16.87 x 20.87	428 x 530
24208-4	24.00 x 20.00 x 8.00	610 x 508 x 203	16	AW2420P	AW2420GP	20.87 x 16.87	530 x 428
24248-4	24.00 x 24.00 x 8.00	610 x 610 x 203	14	AW2424P	AW2424GP	20.87 x 20.87	530 x 530
24308-4	24.00 x 30.00 x 8.00	610 x 762 x 203	14	AW3024P	AW3024GP	20.87 x 26.87	530 x 682
30208-4	30.00 x 20.00 x 8.00	762 x 508 x 203	14	AW3020P	AW3020GP	26.87 x 16.87	682 x 428
30248-4	30.00 x 24.00 x 8.00	762 x 610 x 203	14	AW3024P	AW3024GP	26.87 x 20.87	682 x 530
30308-4	30.00 x 30.00 x 8.00	762 x 762 x 203	14	AW3030P	AW3030GP	26.87 x 26.87	682 x 682
36248-4	36.00 x 24.00 x 8.00	914 x 610 x 203	14	AW3624P	AW3624GP	32.87 x 20.87	835 x 530
36308-4	36.00 x 30.00 x 8.00	914 x 762 x 203	14	AW3630P	AW3630GP	32.87 x 26.87	835 x 682
42308-4	42.00 x 30.00 x 8.00	1067 x 762 x 203	14	AW4230P	AW4230GP	38.87 x 26.87	987 x 682
42368-4	42.00 x 36.00 x 8.00	1067 x 914 x 203	14	AW4236P	AW4236GP	38.87 x 32.87	987 x 835
48368-4	48.00 x 36.00 x 8.00	1219 x 914 x 203	14	AW4836P	AW4836GP	44.87 x 32.87	1140 x 835
60368-4	60.00 x 36.00 x 8.00	1524 x 914 x 203	14	AW6036P	AW6036GP	56.87 x 32.87	1444 x 835
201610-4	20.00 x 16.00 x 10.00	508 x 406 x 254	16	AW2016P	AW2016GP	17.00 x 13.00	432 x 330
242010-4	24.00 x 20.00 x 10.00	610 x 508 x 254	16	AW2420P	AW2420GP	20.87 x 16.87	530 x 428
302410-4	30.00 x 24.00 x 10.00	762 x 610 x 254	14	AW3024P	AW3024GP	26.87 x 20.87	682 x 530
363010-4	36.00 x 30.00 x 10.00	914 x 762 x 254	14	AW3630P	AW3630GP	32.87 x 26.87	835 x 682
483010-4	48.00 x 30.00 x 10.00	1219 x 762 x 254	14	AW4830P	AW4830GP	44.87 x 26.87	1140 x 682
483610-4	48.00 x 36.00 x 10.00	1219 x 914 x 254	14	AW4836P	AW4836GP	44.87 x 32.87	1140 x 835
603610-4	60.00 x 36.00 x 10.00	1524 x 914 x 254	14	AW6036P	AW6036GP	56.87 x 32.87	1444 x 835
302412-4	30.00 x 24.00 x 12.00	762 x 610 x 305	14	AW3024P	AW3024GP	26.87 x 20.87	682 x 530
363012-4	36.00 x 30.00 x 12.00	914 x 762 x 305	14	AW3630P	AW3630GP	32.87 x 26.87	835 x 682
483612-4	48.00 x 36.00 x 12.00	1219 x 914 x 305	14	AW4836P	AW4836GP	44.87 x 32.87	1140 x 835
363016-4	36.00 x 30.00 x 16.00	914 x 762 x 406	14	AW3630P	AW3630GP	32.87 x 26.87	835 x 682
483616-4	48.00 x 36.00 x 16.00	1219 x 914 x 406	14	AW4836P	AW4836GP	44.87 x 32.87	1140 x 835
603616-4	60.00 x 36.00 x 16.00	1524 x 914 x 406	14	AW6036P	AW6036GP	56.87 x 32.87	1444 x 835

See page 145 for drawings

Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Wall-Mount Enclosures Type 4 Premier™ Series with Quarter-Turn Latches Data Sheet and Catalog Number



Application

- Houses electrical controls and instruments
- Intended for indoor or outdoor use
- Protects against circulating and windblown dust, falling dirt, dripping non-corrosive liquids, rain, splashing water and hose directed water

Standards

- UL 508 Listed, Type 4 and Type 12
- cUL Listed, Type 4 and Type 12
- Conforms to NEMA standard for Type 4 and Type 12

Finish

- Wash and phosphate undercoat
- ANSI 61 gray polyester powder finish
- Available with RAL7035 Light Gray textured paint. To order add an "LG" to the end of the part number. Examples: 12126-SDLG 12126-SDWLG

Discount Schedule: C2

Subclass: TCO

Accessories

- Premier panels
- NEMA panel adapters
- Depth adjustment brackets
- Print pockets
- Padlockable or keyed handles
- See Accessories section, pages 154-159
- Security latch inserts
- Mounting foot kits
- EIA/TIA rack mounting angles
- Swing-out panels

Construction

- Enclosure and door are fabricated from code gauge steel (see tables, pages 147 & 148)
- All continuous welded seams are finished smooth
- Hardware kit provided contains grounding hardware, .312-18 flanged hex nuts for panel mounting, and sealing washers for body mounting holes

Body Construction

- Body flange trough design is formed around body opening to divert liquid contaminants away from door opening
- Reduced width flange design increases enclosure opening
- Ground stud provided in enclosure body
- .312-18 collar studs are provided for mounting optional Premier panels
- Enclosure mounting holes in body provided for direct mounting or optional mounting feet
- Utility bracket provides wire management and accessory mounting options

Door Construction

- Doors are secured to the body with a unique spring-loaded hidden hinge design on one side and slotted quarter-turn flush latch(es) on the opposite side
- Doors are easily removed and interchangeable
- Door has a seamless poured in-place gasket
- Door opens 170° for easy access
- Utility rail provides grounding, rigidity and wire management
- Window-door enclosures feature flush-mounted clear polycarbonate window

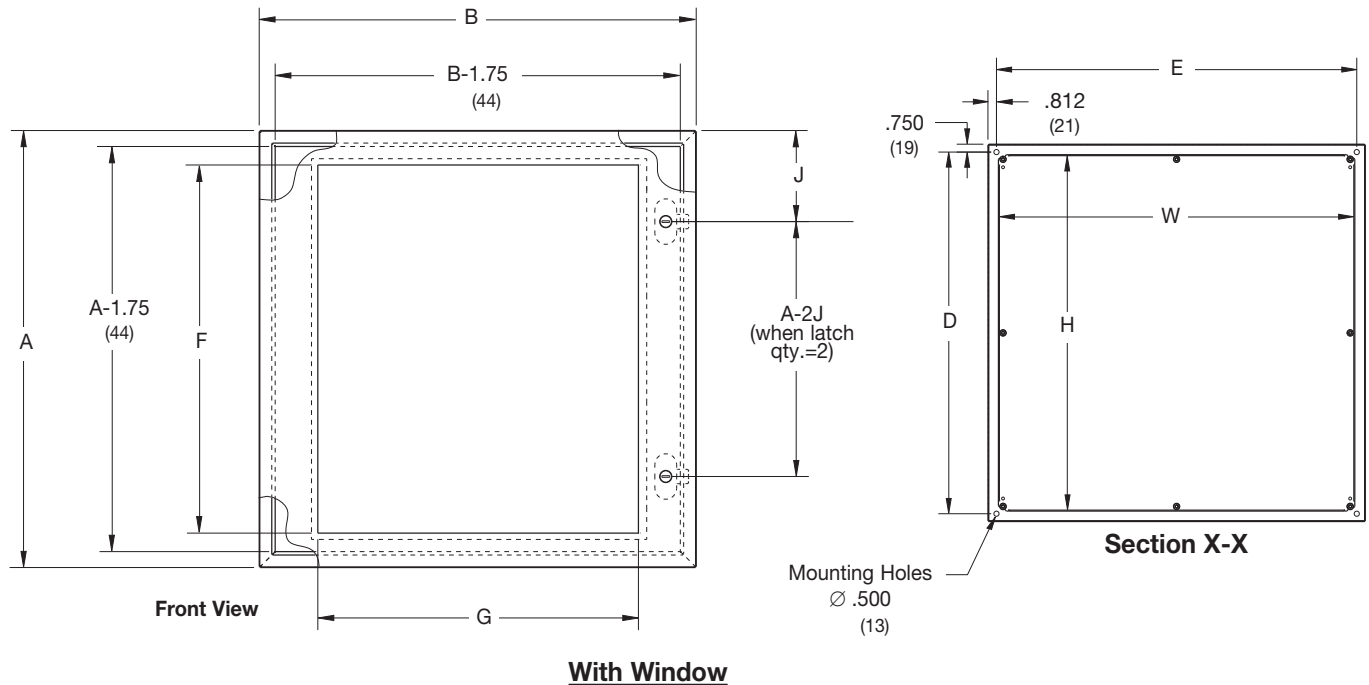
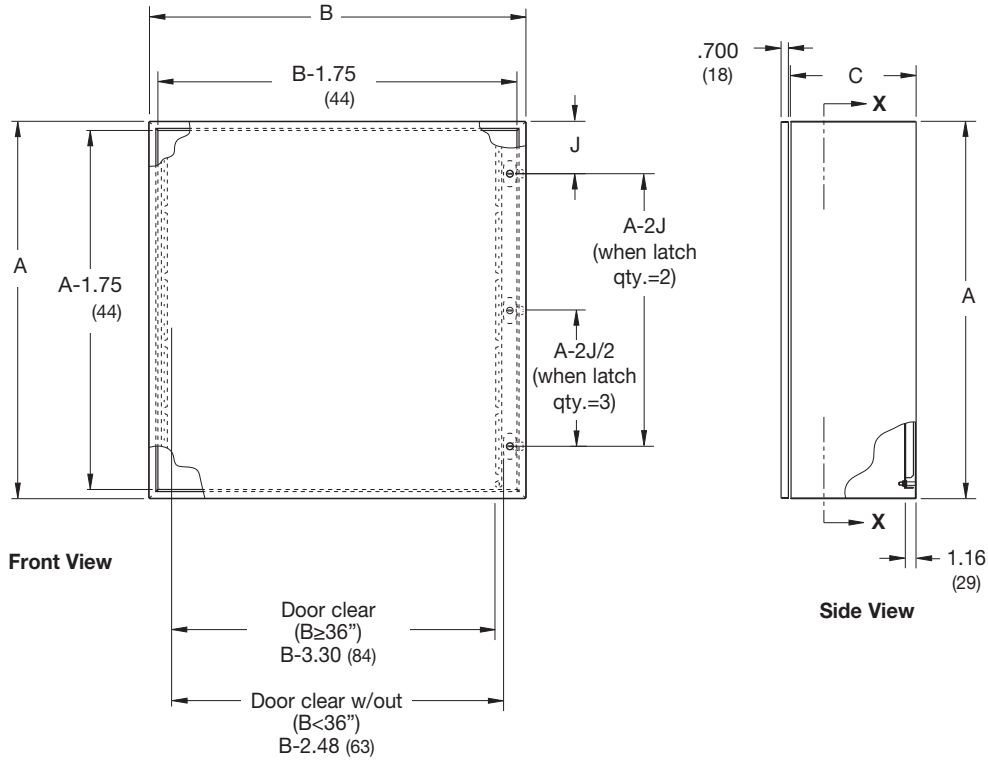
Enclosure Catalog Number		Enclosure Size A x B x C		Door/Body Gauge	Panel Catalog Number	Panel Size H x W		Mounting D x E		Window Size F x G		Latch Qty.	J	
Solid Door	Window Door	in.	mm			in.	mm	in.	mm	in.	mm		in.	mm
1084-SD	-	10x8x4	254x203x102	16/16	108P	8.00x6.00	203x152	8.50x6.37	216x162	-	-	1	5.00	127
1086-SD	-	10x8x6	254x203x152	16/16	108P	8.00x6.00	203x152	8.50x6.37	216x162	-	-	1	5.00	127
12106-SD	-	12x10x6	305x254x152	16/16	1210P	10.00x8.00	254x203	10.50x8.37	267x213	-	-	1	6.00	152
12126-SD	12126-SDW	12x12x6	305x305x152	16/16	1212P	10.00x10.00	254x254	10.50x10.37	267x264	8.25x7.00	210x178	1	6.00	152
16126-SD	16126-SDW	16x12x6	406x305x152	16/16	1612P	14.00x10.00	356x254	14.50x10.37	368x264	12.25x7.00	311x178	1	8.00	203
16166-SD	-	16x16x6	406x406x152	16/16	1616P	14.00x14.00	356x356	14.50x14.37	368x365	-	-	1	8.00	203
16206-SD	-	16x20x6	406x508x152	16/16	2016P	14.00x18.00	356x457	14.50x18.37	368x467	-	-	1	8.00	203
20166-SD	20166-SDW	20x16x6	508x406x152	16/16	2016P	18.00x14.00	457x356	18.50x14.37	470x365	16.25x11.00	413x279	1	10.00	254
20206-SD	20206-SDW	20x20x6	508x508x152	16/16	2020P	18.00x18.00	457x457	18.50x18.37	470x467	16.25x15.00	413x381	1	10.00	254
24166-SD	-	24x16x6	610x406x152	16/16	2416P	22.00x14.00	559x356	22.50x14.37	572x365	-	-	1	5.00	127
24206-SD	24206-SDW	24x20x6	610x508x152	16/16	2420P	22.00x18.00	559x457	22.50x18.37	572x467	20.25x15.00	514x381	1	5.00	127
24246-SD	24246-SDW	24x24x6	610x610x152	14/16	2424P	22.00x22.00	559x559	22.50x22.37	572x568	20.25x17.62	514x448	2	5.00	127

Notes: Cooper B-Line can provide special sizes, finishes and other modifications. Consult the factory for your special requirements.

Wall-Mount Enclosures

Type 4 Premier™ Series with Quarter-Turn Latches

Illustration Sheet



Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Type 4 Panel Enclosures

Wall-Mount Enclosures

Type 4 Premier™ Series Flush-Mount with Quarter-Turn Latches Data Sheet



Application

- Houses electrical controls and instruments
- Intended for indoor or outdoor use
- Protects against circulating and windblown dust, falling dirt, dripping non-corrosive liquids, rain, splashing water and hose directed water

Standards

- UL 508 Listed, Type 4 and Type 12
- cUL Listed, Type 4 and Type 12
- Conforms to NEMA standard for Type 4 and Type 12

Finish

- Wash and phosphate undercoat
- ANSI 61 gray polyester powder finish

Accessories

- Premier panels
- Security latch inserts
- NEMA panel adapters
- Mounting foot kits
- Depth adjustment brackets
- EIA/TIA rack mounting angles
- Print pockets
- Swing-out panels
- Padlockable or keyed handles
- See Accessories section, pages 154-159

Construction

- Enclosure and door are fabricated from code gauge steel (see page 151)
- All continuous welded seams are finished smooth
- Hardware kit provided contains grounding hardware, .312-18 flanged hex nuts for panel mounting, and sealing washers for body mounting holes

Body Construction

- Body flange trough design is formed around body opening to divert liquid contaminants away from door opening
- Reduced width flange design increases enclosure opening
- Ground stud provided in enclosure body
- .312-18 collar studs are provided for mounting optional Premier panels
- Enclosure mounting holes in body provided for direct mounting or optional mounting feet
- Utility bracket provides wire management and accessory mounting options

Door Construction

- Doors are secured to the body with a unique spring-loaded hidden hinge design on one side and slotted quarter-turn flush latch(es) on the opposite side
- Flush cover for recessed wall-mounting
- Doors are easily removed and interchangeable
- Door has a seamless poured in-place gasket
- Door opens 170° for easy access
- Utility rail provides grounding, rigidity and wire management
- Window-door enclosures feature flush-mounted clear polycarbonate window

Discount Schedule: C2

Subclass: TCO

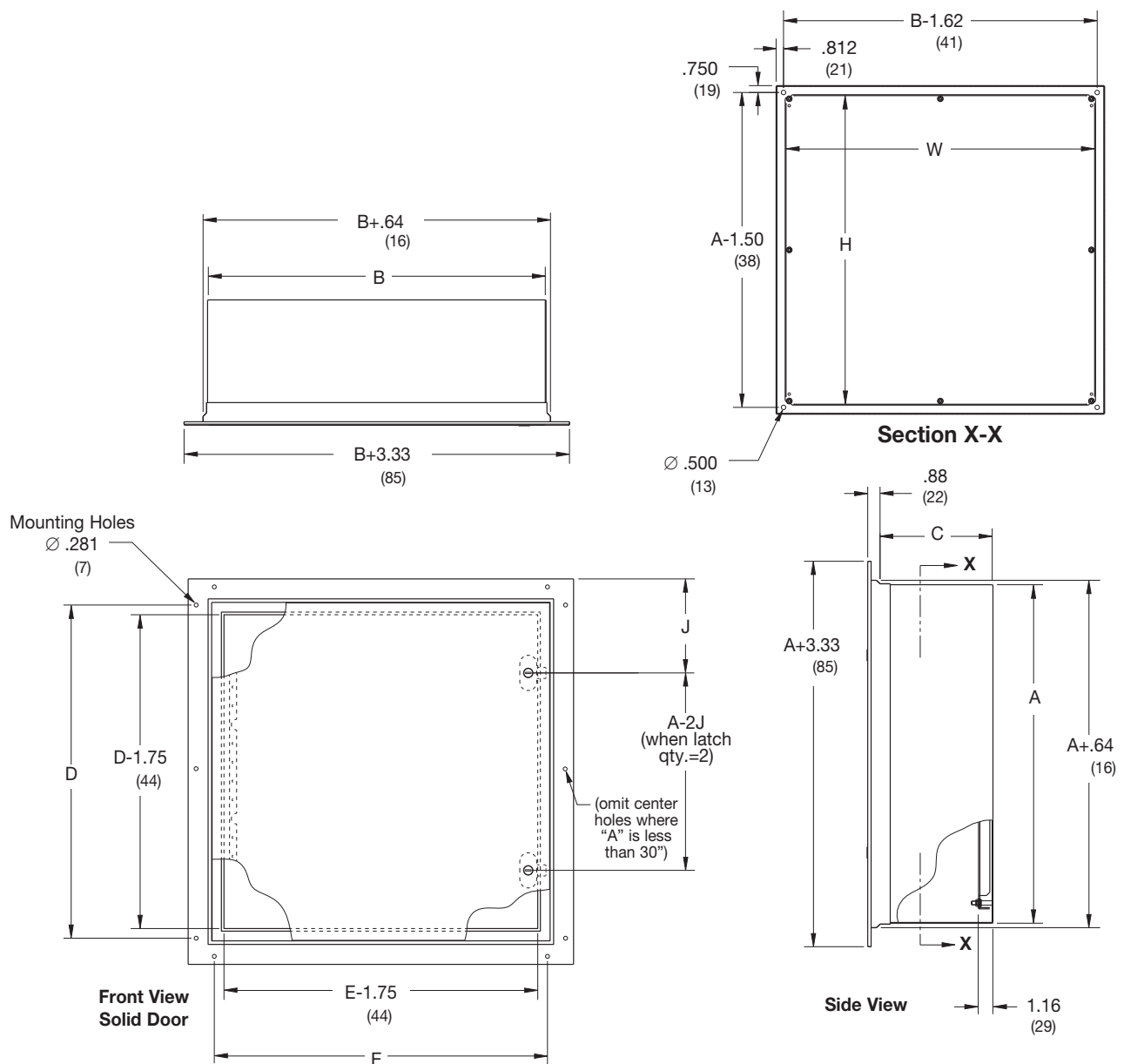
Notes: Cooper B-Line can provide special sizes, finishes and other modifications. Consult the factory for your special requirements.

Wall-Mount Enclosures

Type 4 Premier™ Series Flush-Mount with Quarter-Turn Latches

Illustration Sheet and Catalog Number

Enclosure Catalog Number Solid Door	Enclosure Size		Door/Body Gauge	Panel Catalog Number	Panel Size		Mounting		Latch Qty.	J	
	A x B x C	mm			H x W	D x E	in.	mm		in.	mm
12126-FM	12x12x6	305x305x152	16/16	1212P	10.00x10.00	254x254	11.62x11.62	295x295	1	6.00	152
16126-FM	16x12x6	406x305x152	16/16	1612P	14.00x10.00	356x254	15.62x11.62	397x295	1	8.00	203
20166-FM	20x16x6	508x406x152	16/16	2016P	18.00x14.00	457x356	19.62x15.62	498x397	1	10.00	254
20206-FM	20x20x6	508x508x152	16/16	2020P	18.00x18.00	457x457	19.62x19.62	498x498	1	10.00	254
24208-FM	24x20x8	610x508x152	16/16	2420P	22.00x18.00	559x457	23.62x19.62	600x498	1	5.00	127
24248-FM	24x24x8	610x610x152	14/16	2424P	22.00x22.00	559x559	23.62x23.62	600x600	2	5.00	127
30248-FM	30x24x8	762x610x152	14/16	3024P	28.00x22.00	711x559	29.62x23.62	752x600	2	5.00	127



Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Panel Enclosures

Wall-Mount Enclosures

Type 12 Premier™ Series Double-Door with Quarter-Turn Latches

Data Sheet



Application

- Houses electrical controls and instruments
- Protects against circulating and windblown dust, falling dirt and dripping non-corrosive liquids

Standards

- UL 508 Listed, Type 12
- cUL Listed, Type 12
- Conforms to NEMA standard for Type 12

Finish

- Wash and phosphate undercoat
- ANSI 61 gray polyester powder finish

Accessories

- Premier panels
- NEMA panel adapters
- Depth adjustment brackets
- Print pockets
- Padlockable or keyed handles
- Security latch inserts
- Mounting foot kits
- See Accessories section, pages 154-159

Construction

- Enclosure and door are fabricated from code gauge steel (see page 153)
- All continuous welded seams are finished smooth
- Hardware kit provided contains grounding hardware, .312-18 flanged hex nuts for panel mounting, and sealing washers for body mounting holes

Body Construction

- Body flange trough design is formed around body opening to divert liquid contaminants away from door opening
- Reduced width flange design increases enclosure opening
- Ground stud provided in enclosure body
- .312-18 collar studs are provided for mounting optional Premier panels
- Enclosure mounting holes in body provided for direct mounting or optional mounting feet
- Utility bracket provides wire management and accessory mounting options

Door Construction

- Doors are secured to the body with a unique spring-loaded hidden hinge design on one side and slotted quarterturn flush latch(es) on the opposite side
- Doors are easily removed and interchangeable
- Door opens 170° for easy access
- Doors have a fixed, oil-resistant gasket
- Utility rail provides grounding, rigidity and wire management

Discount Schedule: C2

Subclass: TCO

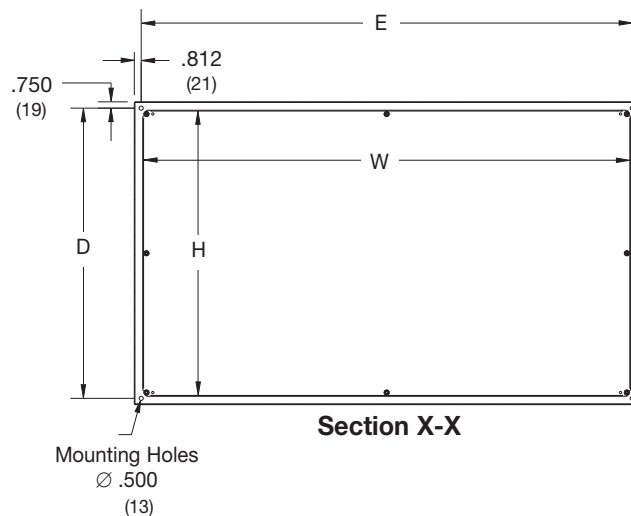
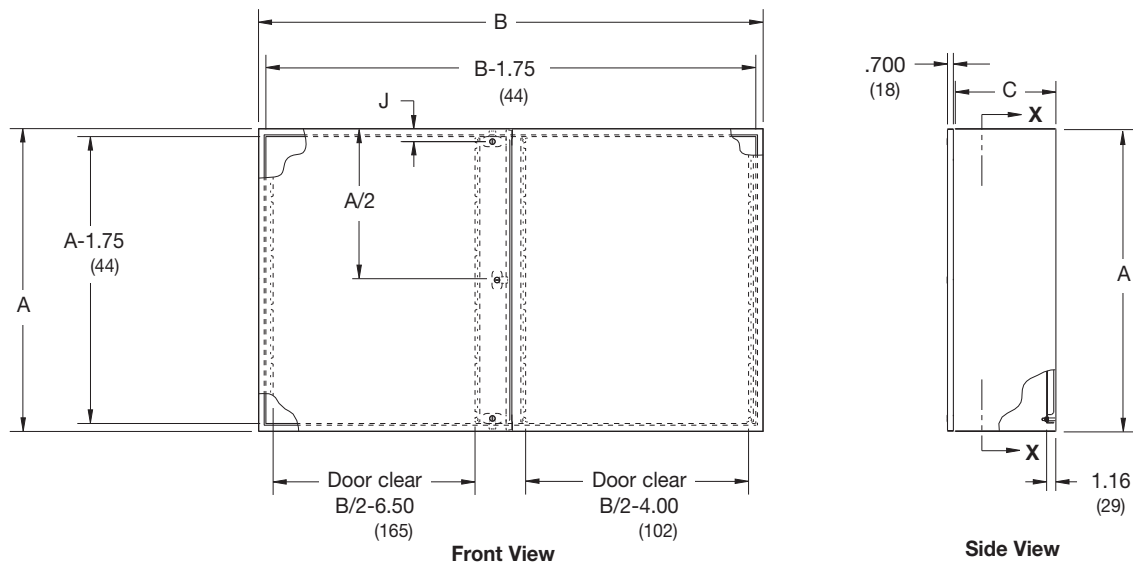
Notes: Cooper B-Line can provide special sizes, finishes and other modifications. Consult the factory for your special requirements.

Wall-Mount Enclosures

Type 12 Premier™ Series Double-Door with Quarter-Turn Latches

Illustration Sheet and Catalog Number

Enclosure Catalog Number Solid Door	Enclosure Size A x B x C		Door/Body Gauge	Panel Catalog Number	Panel Size H x W		Mounting D x E		Latch Qty.	J	
	in.	mm			in.	mm	in.	mm		in.	mm
24428-TD	24x42x8	610x1067x203	14/14	2442P	22.00x40.00	559x1016	22.50x40.37	572x1026	3	5.00	127
30488-TD	30x48x8	762x1219x203	14/14	3048P	28.00x46.00	711x1168	28.50x46.37	724x1178	3	5.00	127
306012-TD	30x60x12	762x1524x305	14/14	3060P	28.00x58.00	711x1473	28.50x58.37	724x1483	3	5.00	127
364812-TD	36x48x12	914x1219x305	14/14	4836P	34.00x46.00	864x1168	34.50x46.37	876x1178	3	5.00	127
366012-TD	36x60x12	914x1524x305	14/14	6036P	34.00x58.00	864x1473	34.50x58.37	876x1483	3	5.00	127



Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Type 4 Panel Enclosures

Type 4 Panel Enclosures

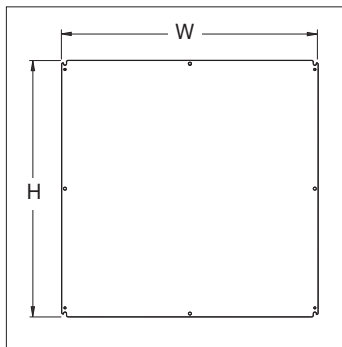
Premier™ Series Accessories

Discount Schedule: C2

Subclass: TDO

Panels

Premier panels can be installed in any Premier Series enclosure and are up to 20% larger than standard NEMA panels. Panels above 24" are flanged. Steel panels have a white polyester powder paint finish. Stainless Steel sizes are available as shown in chart.



Catalog Number			Panel Size H x W		Gauge
Galv	Steel	Stainless	in.	mm	
108GP	108P	108PSS4	8.00 x 6.00	203 x 152	14
1210GP	1210P	1210PSS4	10.00 x 8.00	254 x 203	14
1212GP	1212P	1212PSS4	10.00 x 10.00	254 x 254	14
1612GP	1612P	1612PSS4	14.00 x 10.00	356 x 254	14
1616GP	1616P	1616PSS4	14.00 x 14.00	356 x 356	12
2016GP	2016P	2016PSS4	18.00 x 14.00	457 x 356	12
2020GP	2020P	2020PSS4	18.00 x 18.00	457 x 457	12
2416GP	2416P	2416PSS4	22.00 x 14.00	559 x 356	12
2420GP	2420P	2420PSS4	22.00 x 18.00	559 x 457	12
2424GP	2424P	2424PSS4	22.00 x 22.00	559 x 559	12
2442GP	2442P	2442PSS4	22.00 x 40.00	559 x 1016	12
3020GP	3020P	3020PSS4	28.00 x 18.00	711 x 457	12
3024GP	3024P	3024PSS4	28.00 x 22.00	711 x 559	12
3030GP	3030P	3030PSS4	28.00 x 28.00	711 x 711	12
3048GP	3048P	3048PSS4	28.00 x 46.00	711 x 1168	12
3060GP	3060P	3060PSS4	28.00 x 58.00	711 x 1473	12
3624GP	3624P	3624PSS4	34.00 x 22.00	864 x 559	12
3630GP	3630P	3630PSS4	34.00 x 28.00	864 x 711	12
3636GP	3636P	3636PSS4	34.00 x 34.00	864 x 864	12
4230GP	4230P	4230PSS4	40.00 x 28.00	1016 x 711	12
4236GP	4236P	4236PSS4	40.00 x 34.00	1016 x 864	12
4824GP	4824P	4824PSS4	46.00 x 22.00	1168 x 559	12
4836GP	4836P	4836PSS4	46.00 x 34.00	1168 x 864	12
6036GP	6036P	6036PSS4	58.00 x 34.00	1473 x 864	12

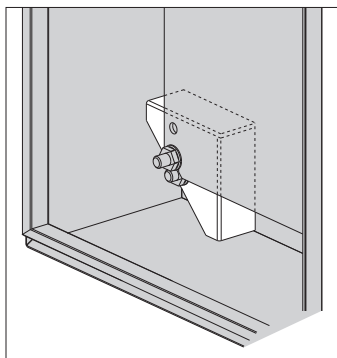
Type 4 Panel Enclosures

NEMA Panel Adapters

NEMA panel adapters allow standard NEMA panels to be used in Premier series enclosures. Decreased height and width of NEMA panels increase space around panel for wire management. Kit includes four adapters and four .375-16 flanged hex nuts.

Finish: Zinc Plated

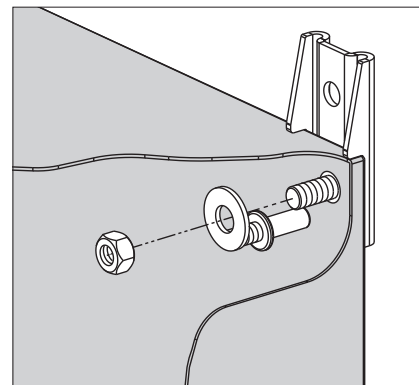
(Note: Cannot be used with enclosures 12" x 12" (305 mm x 305 mm) or smaller.)



Catalog Number	Qty.	For use with Premier Enclosures
PCK4	4	30" x 30" or smaller

Mounting Foot Kits

Mounting foot kits are available in stainless steel. Four feet and hardware are included.



Catalog Number	Qty.	Description
WMKSS6	4	Type 316 Stainless Steel

Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Premier™ Series Accessories

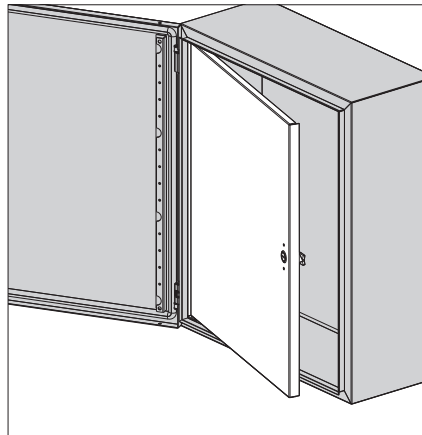
Discount Schedule: C2

Subclass: TDO

Swing-Out Panels

Swing-out panels offer a means for mounting user components and equipment near the front of an enclosure opening. Panel pivots from front of enclosure to allow easy access to internal equipment. Swing-out panels are 14 gauge with a white polyester powder finish and includes all hardware for mounting to front flange of enclosure.

(Note: Cannot be used in conjunction with depth adjustment brackets).



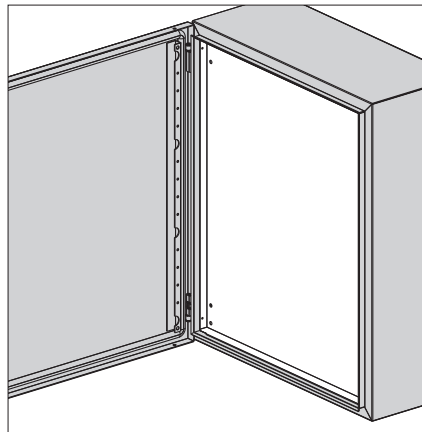
Note: Swing-out panel distance from panel face to inside of enclosure cover equals 1¹/₄".

Catalog Number	Panel Size Height x Width		For use with Premier Enclosures A x B
	in.	mm	
1212SP	9.78 x 9.84	248 x 250	12"x12"
1612SP	13.78 x 9.84	350 x 250	16"x12"
1616SP	13.78 x 13.84	350 x 352	16"x16"
1620SP	13.78 x 17.84	350 x 453	16"x20"
2016SP	17.78 x 13.84	452 x 352	20"x16"
2020SP	17.78 x 17.84	452 x 453	20"x20"
2024SP	17.78 x 21.84	452 x 555	20"x24"
2416SP	21.78 x 13.84	553 x 352	24"x16"
2420SP	21.78 x 17.84	553 x 453	24"x20"
2424SP	21.78 x 21.84	553 x 555	24"x24"
3020SP	27.78 x 17.84	706 x 453	30"x20"
3024SP	27.78 x 21.84	706 x 555	30"x24"
3030SP	27.78 x 27.84	706 x 707	30"x30"
3624SP	33.78 x 21.84	858 x 555	36"x24"
3630SP	33.78 x 27.84	858 x 707	36"x30"
3636SP	33.78 x 33.84	858 x 860	36"x36"

Dead Front Panels

Dead front kits offer a means for mounting user components and equipment near the front of an enclosure opening. Also, creates a barrier and controls access to the enclosure interior. Kit includes ANSI 61 gray panel and all hardware for mounting to enclosures.

(Note: Cannot be used in conjunction with depth adjustment brackets).

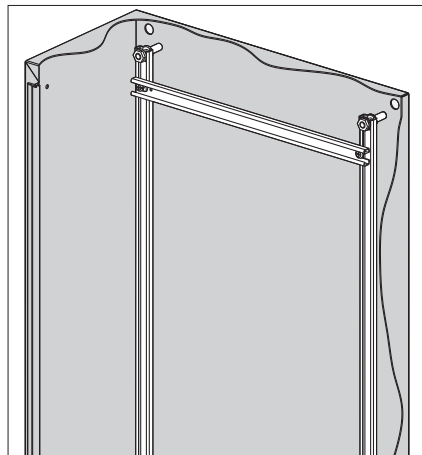


Note: Dead front panel distance from panel face to inside of enclosure cover equals 1¹/₄".

Catalog Number	For use with Premier Enclosures A x B
1212DF	12"x12"
1612DF	16"x12"
2016DF	20"x16"
2020DF	20"x20"
2420DF	24"x20"
2424DF	24"x24"
3024DF	30"x24"

Mounting Channels

Mounting channels create a vertical or horizontal framework for DIN rail, flexible mounting straps, or other component attachment. Two channels provided for mounting on enclosure collar studs. Finish: Zinc Plated



Catalog Number	Qty.	For use with Premier Enclosures
12MC	2	12" height or width
16MC	2	16" height or width
20MC	2	20" height or width
24MC	2	24" height or width
30MC	2	30" height or width
36MC	2	36" height or width
42MC	2	42" height or width
48MC	2	48" height or width
60MC	2	60" height or width

Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Type 4 Panel Enclosures

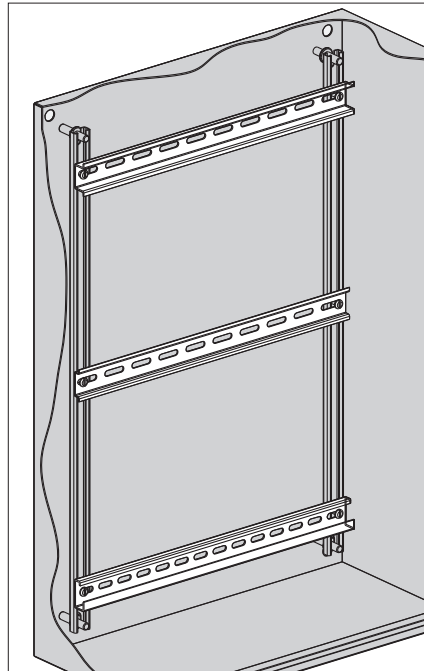
Premier™ Series Accessories

Discount Schedule: C2

Subclass: TD0

DIN Rail Kits

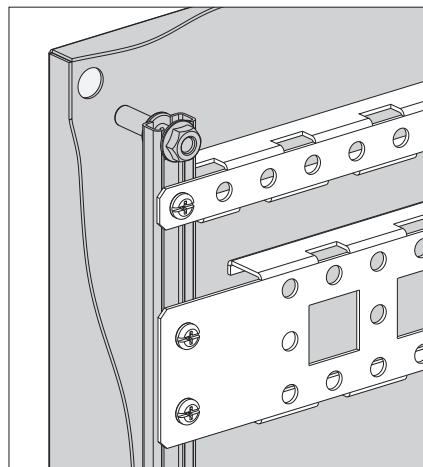
DIN rail kits provide flexibility for mounting DIN type snap-on equipment. Three styles; TS32x15, slotted; TS35x7.5, slotted; TS35x15, slotted all attach to collar studs either horizontally or vertically. Three DIN rails, screws and channel nuts are provided. Finish: Yellow Zinc



Catalog Number	Description	For use with Premier Enclosures
12DR1P	TS32 x 15, slotted	12" height or width
16DR1P	TS32 x 15, slotted	16" height or width
20DR1P	TS32 x 15, slotted	20" height or width
24DR1P	TS32 x 15, slotted	24" height or width
12DR3P	TS35 x 7.5, slotted	12" height or width
16DR3P	TS35 x 7.5, slotted	16" height or width
20DR3P	TS35 x 7.5, slotted	20" height or width
24DR3P	TS35 x 7.5, slotted	24" height or width
12DRCP	TS35 x 15, slotted	12" height or width
16DRCP	TS35 x 15, slotted	16" height or width
20DRCP	TS35 x 15, slotted	20" height or width
24DRCP	TS35 x 15, slotted	24" height or width

Flexible Mounting Straps

Flexible mounting straps offer a versatile, horizontal or vertical mounting method inside enclosure body. Two designs; 1-hole or 3-hole pattern increase mounting flexibility and attach to enclosure collar studs. Flexible mounting strap kit contains two straps and hardware. Finish: Zinc Plated



Catalog Number	Description	Fits Premier Enclosures
12GS1	1 hole	12" height or width
16GS1	1 hole	16" height or width
20GS1	1 hole	20" height or width
24GS1	1 hole	24" height or width
30GS1	1 hole	30" height or width
36GS3	3 hole	36" height or width
42GS3	3 hole	42" height or width
48GS3	3 hole	48" height or width
60GS3	3 hole	60" height or width

Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Premier™ Series Accessories

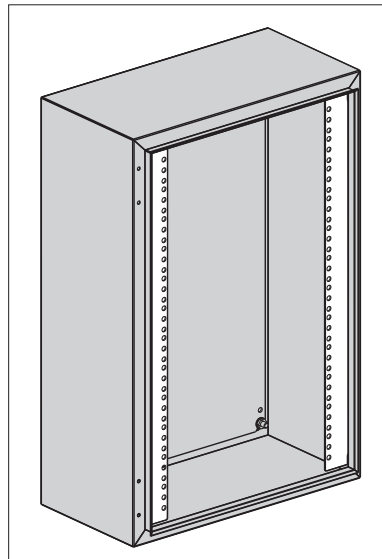
Discount Schedule: C2

Subclass: TDO

Rack Mounting Angles

Relay rack angles are designed for mounting EIA 19" rack mount equipment inside 24" wide enclosures. Fabricated from 14 gauge steel and zinc plated. Rack angles are mounted to enclosure flange with hardware provided. Rack mount angles are untapped and require screws and cage nuts for equipment mounting (order separately).

Finish: Zinc Plated



Catalog Number	For use with Premier Enclosures	Mounting Units
10URMA	20" height	10
12URMA	24" height	12
16URMA	30" height	16
19URMA	36" height	19
26URMA	48" height	26

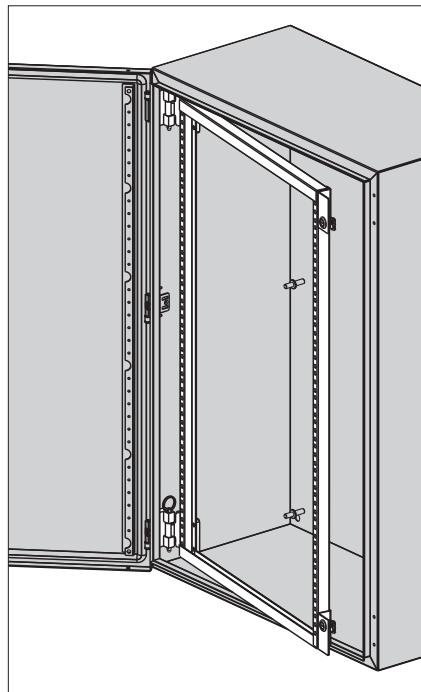
Universal Spacing [$\frac{5}{8}$ " (16mm), $\frac{5}{8}$ " (16mm), $\frac{1}{2}$ " (13mm)]

Swing-Out Rack Frames

Swing-out rack frames allow mounting of EIA 19" rack mount equipment. Flexible pivoting framework provides access to back of equipment or other internal components. Designed for use with 24" wide Premier series enclosures. Mounting hardware included. Swing-out rack frame holes are untapped and require screws and cage nuts for equipment mounting (order separately).

(Note: Cannot be used in conjunction with depth adjustment brackets).

Finish: ANSI Gray Polyester Powder



Catalog Number	For use with Premier Enclosures	Mounting Units
2424SF	24" x 24"	11
3024SF	30" x 24"	15
3624SF	36" x 24"	18

Universal Spacing [$\frac{5}{8}$ " (16mm), $\frac{5}{8}$ " (16mm), $\frac{1}{2}$ " (13mm)]

Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Type 4 Panel Enclosures

Premier™ Series Accessories

Discount Schedule: C2

Subclass: TD0

Handles

Padlocking, key-locking or non-locking handles are interchangeable with standard slotted quarter-turn flush latch on Premier series enclosures. Available keyed alike or keyed different, please specify when ordering.



Catalog Number	Description
WMHNL	Wall-mount handle, non-locking
WMHK-01	Wall-mount handle, key-locking - keyed 01
WMHK-02	Wall-mount handle, key-locking - keyed 02
WMHK-03	Wall-mount handle, key-locking - keyed 03
WMHK-04	Wall-mount handle, key-locking - keyed 04
WMHPTO	Wall-mount handle, padlockable

Security Latch Inserts

Security latch inserts interchange with slotted latch quarter-turn flush latch and provide security and control access to interior of enclosure. Inserts include matching key.



Catalog Number	Description
7MTLK	7mm triangular latch insert
7MSLK	7mm square latch insert
3MDBLK	3mm double bit latch insert

7MTLK



7MSLK



3MDBLK

Print Pockets

Print pockets provide a convenient place to store operation manuals, diagrams, or other documents inside the enclosure. Thermoplastic pockets are gray and have cut away areas for viewing contents. Pockets have adhesive backing for mounting inside on enclosure door.



Catalog Number	Length x Width
32170	6" x 6"
32171	10" x 10"

Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

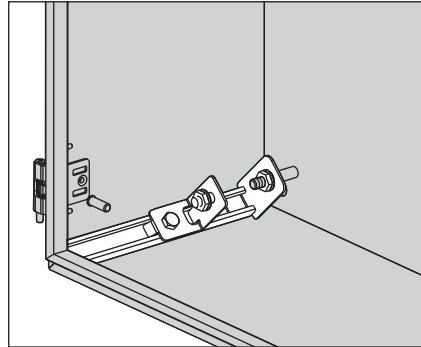
Premier™ Series Accessories

Discount Schedule: C2

Subclass: TD0

Depth Adjustment Brackets

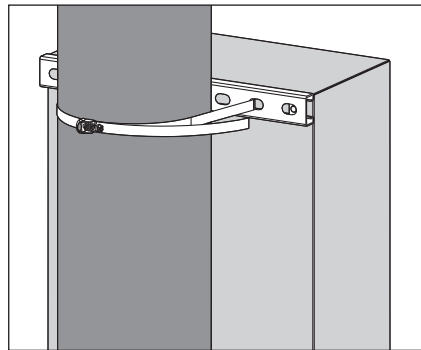
Depth adjustment brackets allow variable depth mounting of premier accessories. Designed for use with 6", 8" or 12" deep enclosures. Kit is available in quantities of 4 or 2 and includes mounting channel, adjustable mechanism and hardware. When enclosure has 6 collar studs, use two kits. **(Note:** Not for use with swing-out rack frame, dead front panel or swing-out panel). Finish: Zinc Plated



Catalog Number	Qty.	For use with Premier Enclosures
64AMK	4	6" depth or greater
84AMK	4	8" depth or greater
82AMK	2	8" depth or greater
124AMK	4	12" depth or greater
122AMK	2	12" depth or greater

Pole Mounting Kits

Pole mounting kits allow installation of enclosure on round or rectangular poles. Kit includes hot dip galvanized after fabrication strut channel, stainless steel band and hardware for top and bottom mounting of enclosure.



Note: Pole diameter range 4" minimum to 12" maximum.

Catalog Number	For use with Premier Enclosures
12PMK	12" width
16PMK	16" width
20PMK	20" width
24PMK	24" width
30PMK	30" width

Hardware

Phillips head screws and cage nuts are available in #10-32, #12-24 or M6 and allow mounting of equipment to untapped holes in rack mounting angles and swing-out rack frame.



Catalog Number	Screw Type
E2-MA-1032-PHMS-100	#10-32 Phillips
E2-MA-1224-PHMS-100	#12-24 Phillips
E2-MA-M6-PHMS-100	M6 Phillips
Catalog Number	Cage Nut Type
E2-MA-CN-1032-100	#10-32 Tapped
E2-MA-CN-1224-100	#12-24 Tapped
E2-MA-CN-M6-100	M6 Tapped

Sold in bags of 100 pieces.

Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Type 4 Panel Enclosures

Wall-Mount Enclosures Type 4 Single-Door with 3-Point Locking Data Sheet and Catalog Number



Finish

- Wash and phosphate undercoat
- ANSI 61 gray polyester powder finish

Accessories

- Panels
- Swing-out panel kit
- NEMA terminal kit
- Window Kits
- Floor stand kit
- Replacement handle, T4PKHB, (see page 422)

Construction

- Enclosure and door are fabricated from code gauge steel, (see pages 160 & 161)
- All continuous welded seams are finished smooth
- Continuous hinge with stainless steel hinge pin
- Internal 3-point latching with a keylocking and padlock handle
- Door has a seamless poured in-place gasket
- Formed lip around enclosure opening diverts liquids and contaminants
- Ground stud provided on door
- Print pocket provided
- .375-16 colar studs are provided for mounting optional panel
- External mounting feet

Application

- Houses electrical controls and instruments
- Intended for indoor or outdoor use
- Protects against windblown dust and rain, splashing water and hose directed water

Standards

- UL 508 listed, Type 4, Type 12
- CSA C22.2 No.94 certified, Type 4, Type 12
- Conforms to NEMA standard for Type 3, Type 4, Type 12

Discount Schedule: C2

Subclass: DFO

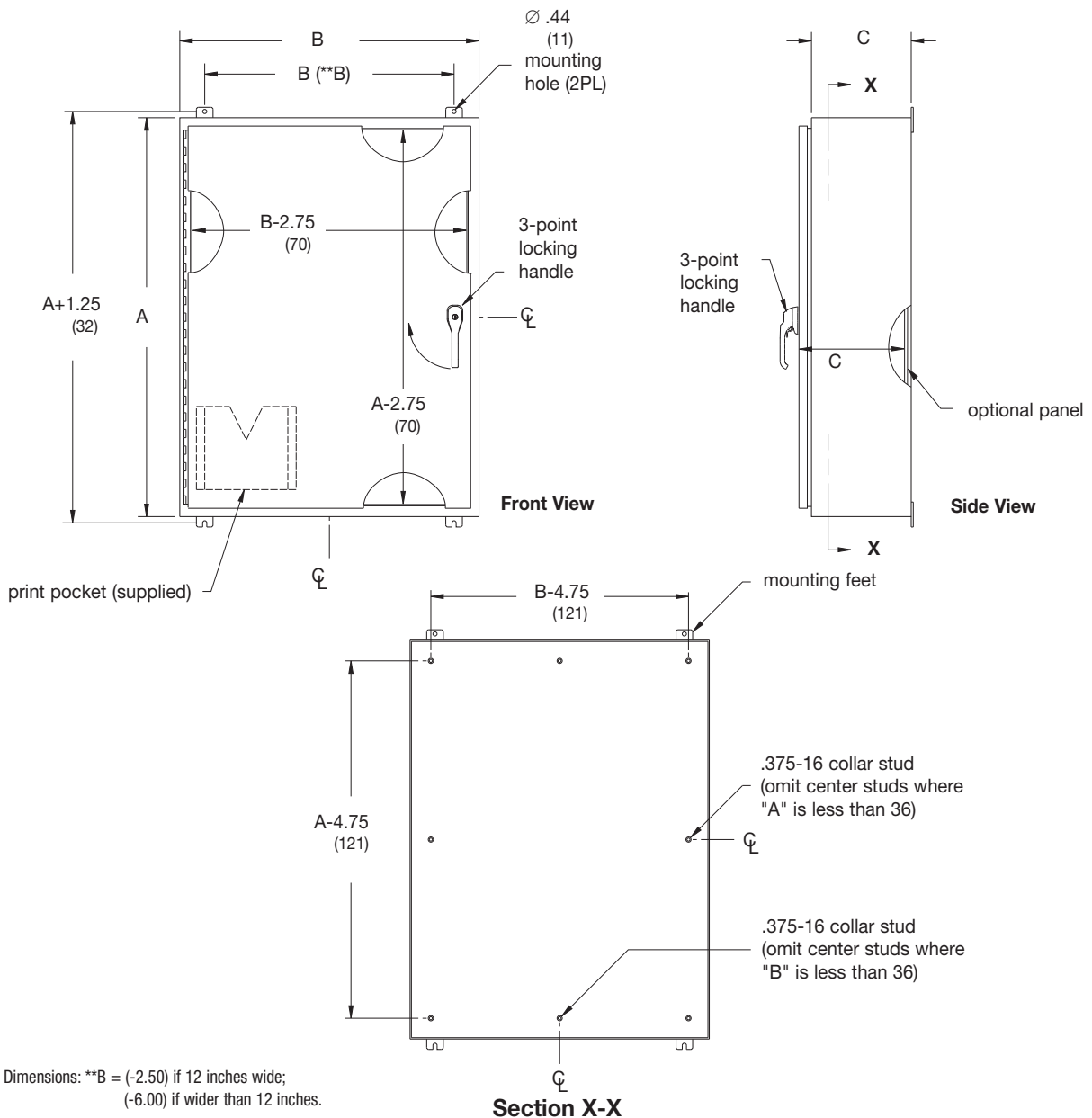
Type 4 Panel Enclosures

Enclosure Catalog Number	Enclosure Size Height x Width x Depth A x B x C		Gauge	Panel Catalog Number	Conductive Catalog Number	Panel Size Panel Height x Width	
	in.	mm				in.	mm
24206-43PT	24 x 20 x 6	609 x 508 x 152	16	AW2420P	AW2420GP	20.87 x 16.87	530 x 429
24208-43PT	24 x 20 x 8	609 x 508 x 203	16	AW2420P	AW2420GP	20.87 x 16.87	530 x 429
24248-43PT	24 x 24 x 8	609 x 609 x 203	14	AW2424P	AW2424GP	20.87 x 20.87	530 x 530
30248-43PT	30 x 24 x 8	762 x 609 x 203	14	AW3024P	AW3024GP	26.87 x 20.87	682 x 530
30308-43PT	30 x 30 x 8	762 x 762 x 203	14	AW3030P	AW3030GP	26.87 x 26.87	682 x 682
36248-43PT	36 x 24 x 8	914 x 609 x 203	14	AW3624P	AW3624GP	32.87 x 20.87	835 x 530
36308-43PT	36 x 30 x 8	914 x 762 x 203	14	AW3630P	AW3630GP	32.87 x 26.87	835 x 682
48368-43PT	48 x 36 x 8	1219 x 914 x 203	14	AW4836P	AW4836GP	44.87 x 32.87	1139 x 835
242010-43PT	24 x 20 x 10	609 x 508 x 254	16	AW2420P	AW2420GP	20.87 x 16.87	530 x 429
363010-43PT	36 x 30 x 10	914 x 762 x 254	14	AW3630P	AW3630GP	32.87 x 26.87	835 x 682
483610-43PT	48 x 36 x 10	1219 x 914 x 254	14	AW4836P	AW4836GP	44.87 x 32.87	1139 x 835

Notes: Cooper B-Line can provide special sizes, finishes and other modifications. Consult the factory for your special requirements.

Wall-Mount Enclosures Type 4 Single-Door with 3-Point Locking Illustration Sheet and Catalog Number

Enclosure Catalog Number	Enclosure Size Height x Width x Depth A x B x C		Gauge	Panel Catalog Number	Conductive Catalog Number	Panel Size Panel Height x Width	
	in.	mm				in.	mm
242412-43PT	24 x 24 x 12	609 x 609 x 305	14	AW2424P	AW2424GP	20.87 x 20.87	530 x 530
302412-43PT	30 x 24 x 12	762 x 609 x 305	14	AW3024P	AW3024GP	26.87 x 20.87	682 x 530
363012-43PT	36 x 30 x 12	914 x 762 x 305	14	AW3630P	AW3630GP	32.87 x 26.87	835 x 682
363612-43PT	36 x 36 x 12	914 x 914 x 305	14	AW3636P	AW3636GP	32.87 x 32.87	835 x 835
483612-43PT	48 x 36 x 12	1219 x 914 x 305	14	AW4836P	AW4836GP	44.87 x 32.87	1139 x 835
603612-43PT	60 x 36 x 12	1524 x 914 x 305	14	AW6036P	AW6036GP	56.87 x 32.87	1444 x 835
483616-43PT	48 x 36 x 16	1219 x 914 x 406	14	AW4836P	AW4836GP	44.87 x 32.87	1139 x 835
603616-43PT	60 x 36 x 16	1524 x 914 x 406	14	AW6036P	AW6036GP	56.87 x 32.87	1444 x 835



Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Type 4 Panel Enclosures

Wall-Mount Enclosures

Type 4 Double-Door with 3-Point Locking

Data Sheet and Catalog Number



Application

- Houses electrical controls and instruments
- Intended for indoor or outdoor use
- Protects against windblown dust and rain, splashing water and hose directed water

Standards

- UL 508 listed, Type 4, 12
- CSA C22.2 No.94 certified, Type 4, 12
- Conforms to NEMA standard for Type 3, 4, 12

Finish

- Wash and phosphate undercoat
- ANSI 61 gray polyester powder finish

Accessories

- Panels
- Window Kits
- Floor stand kit
- Lights
- Replacement handle, T4PKHB, (see page 422)

Construction

- Enclosure and door are fabricated from (14) gauge steel
- All continuous welded seams are finished smooth
- Heavy-duty continuous hinges with stainless steel hinge pins
- Internal 3-point latching with keylocking and padlock handles
- Removable centerpost for easy panel installation
- Doors have a seamless poured in-place gasket
- Formed lip around enclosure opening diverts liquids and contaminants
- Ground stud provided on door
- Print pocket provided
- .375-16 colar studs are provided for mounting optional panel
- External mounting feet

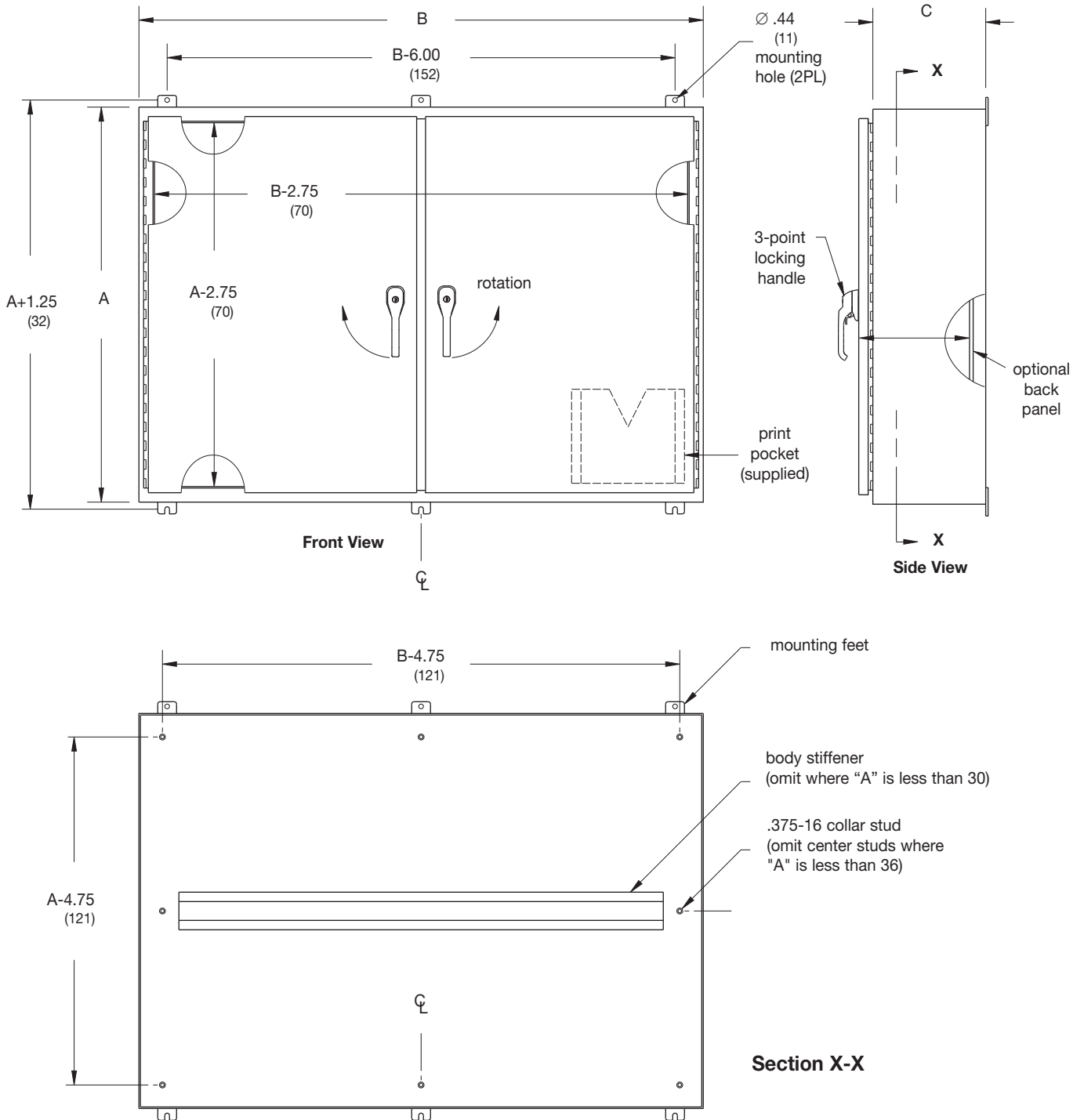
Discount Schedule: C2

Subclass: D10

Enclosure Catalog Number	Enclosure Size Height x Width x Depth A x B x C		Panel Catalog Number	Conductive Panel Catalog Number	Panel Size Height x Width	
	in.	mm			in.	mm
244210-4D3PT	24.00 x 42.00 x 10.00	609 x 1067 x 254	AW4224P	--	38.87 x 20.87	987 x 530
304210-4D3PT	30.00 x 42.00 x 10.00	762 x 1067 x 254	AW4230P	AW4230GP	38.87 x 26.87	987 x 682
304810-4D3PT	30.00 x 48.00 x 10.00	762 x 1219 x 254	AW4830P	AW4830GP	44.87 x 26.87	1139 x 682
306010-4D3PT	30.00 x 60.00 x 10.00	762 x 1524 x 254	AW6030P	--	56.87 x 26.87	1444 x 682
364812-4D3PT	36.00 x 48.00 x 12.00	914 x 1219 x 305	AW4836P	AW4836GP	44.87 x 32.87	1139 x 835
366012-4D3PT	36.00 x 60.00 x 12.00	762 x 1524 x 305	AW6036P	AW6036GP	56.87 x 32.87	1444 x 835

ÇNotes: Cooper B-Line can provide special sizes, finishes and other modifications. Consult the factory for your special requirements.

Wall-Mount Enclosures Type 4 Double-Door with 3-Point Locking Illustration Sheet



Type 4 Panel Enclosures

Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Type 4 Panel Enclosures

Ground-Mount Enclosures Type 4 Double-Door Floor-Standing Data Sheet and Catalog Number



Type 4 Panel Enclosures

Application

- Houses electrical controls and instruments
- Intended for indoor or outdoor use
- Protects against windblown dust and rain, splashing water and hose directed water

Standards

- UL 508 listed, Type 4 and Type 12
- CSA C22.2 No.94 certified, Type 4 and Type 12
- Conforms to NEMA standard for Type 4 and Type 12

Finish

- Wash and phosphate undercoat
- ANSI 61 gray polyester powder finish

Accessories

- Panels
- Leg stabilizer kit
- Touch-up paint
- See Accessories section

Construction

- Enclosure and door are fabricated from (10) gauge steel
- All continuous welded seams are finished smooth
- Each door is secured to the body with a heavy-duty continuous hinge on one side and easy-to-release stainless steel door clamps mounted to the other three sides
- Print pocket provided
- Each door has a padlock hasp with sealing hole provision
- Doors have a seamless poured in-place gasket
- Ground stud provided on doors
- Removable center post for complete front access
- Heavy gauge angle supports and .375-16 collar studs are provided for mounting optional panel
- Large lifting eye-bolts are supplied
- Mounting legs are provided for floor mounting

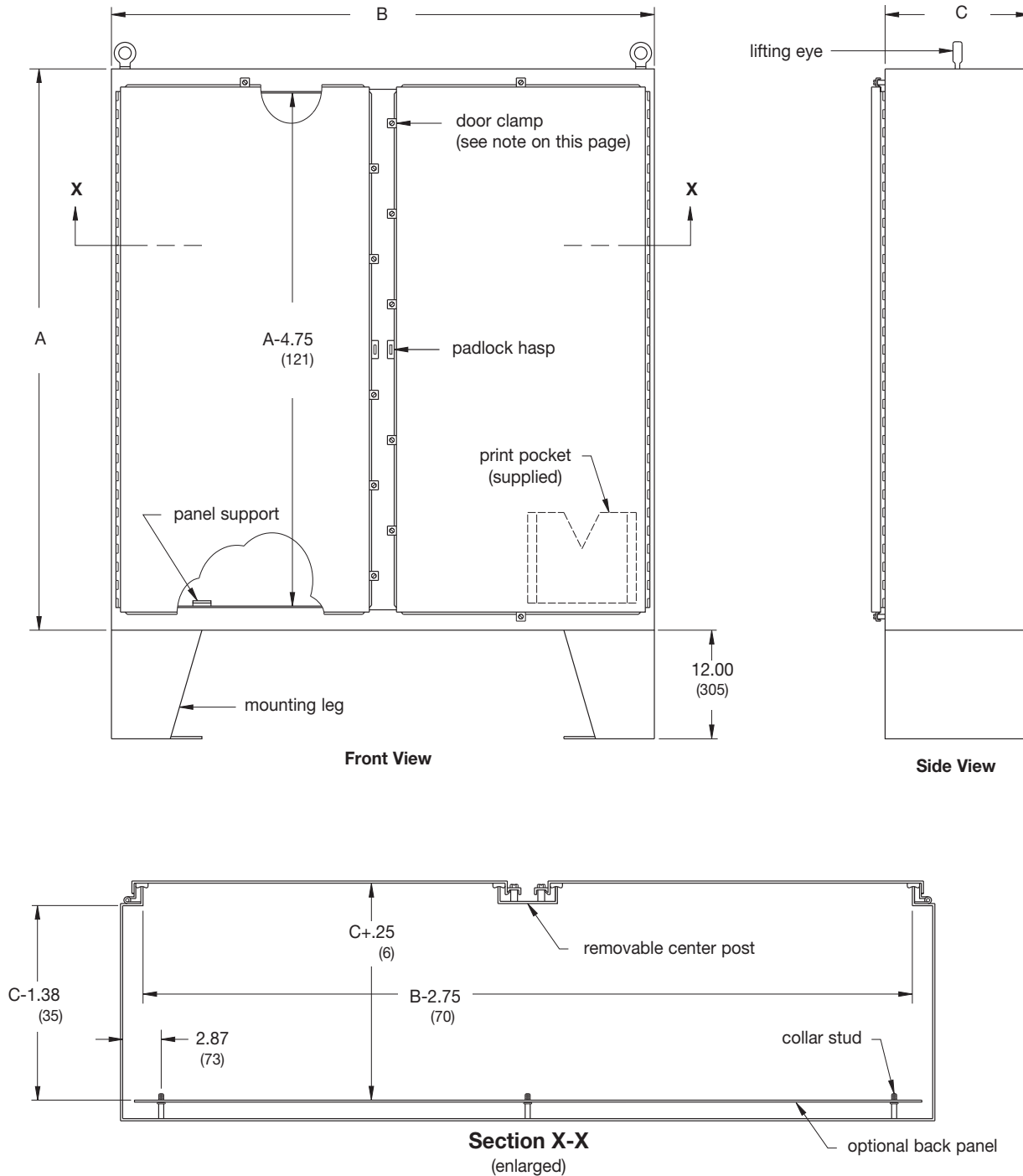
Discount Schedule: C2

Subclass: D10

Enclosure Catalog Number	Enclosure Size Height x Width x Depth A x B x C		Panel Catalog Number	Panel Size Height x Width	
	in.	mm		in.	mm
624810-4FD	62.00 x 48.00 x 10.00	1575 x 1219 x 254	AW6048P	55.87 x 43.87	1419 x 1114
626012-4FD	62.00 x 60.00 x 12.00	1575 x 1524 x 305	AW6060P	55.87 x 55.87	1419 x 1419
746012-4FD	74.00 x 60.00 x 12.00	1880 x 1524 x 305	AW7260P	67.87 x 55.87	1724 x 1419
747212-4FD	74.00 x 72.00 x 12.00	1880 x 1829 x 305	AW7272P	67.87 x 67.87	1724 x 1724
747224-4FD	74.00 x 72.00 x 24.00	1880 x 1829 x 610	AW7272P	67.87 x 67.87	1724 x 1724

Notes: Cooper B-Line can provide special sizes, finishes and other modifications. Consult the factory for your special requirements.

Ground-Mount Enclosures Type 4 Double-Door Floor-Standing Illustration Sheet



Type 4 Panel Enclosures

Notes: Clamps are mounted along three sides of the enclosure door. Spacing between clamps along side opposite the hinge does not exceed 15 inches. Four lifting eyes are furnished when C dimension is 24" (610 mm). Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Type 4 Panel Enclosures

Ground-Mount Enclosures

Type 4 Double-Door Floor-Standing with Quarter-Turn Latches

Data Sheet and Catalog Number



Type 4 Panel Enclosures

Application

- Houses electrical controls and instruments
- Intended for indoor or outdoor use
- Protects against windblown dust and rain, splashing water and hose directed water

Standards

- UL 508 listed, Type 4 and Type 12
- CSA C22.2 No.94 certified, Type 4 and Type 12
- Conforms to NEMA standard for Type 3, Type 4, Type 12

Finish

- Wash and phosphate undercoat
- ANSI 61 gray polyester powder finish

Accessories

- Panels
- Panel Support Kit
- Panel Lifting Kit
- Leg stabilizer kit
- Lights
- Window kits

Construction

- Enclosure and doors are fabricated from (12) gauge steel
- All continuous welded seams are finished smooth
- Continuous hinge with stainless steel hinge pin
- Slotted quarter-turn flush latch(es)
- Doors have a seamless poured in-place gasket
- Removable centerpost for easy panel installation
- Formed lip around enclosure opening diverts liquids and contaminants
- Ground stud provided on door
- Print pocket provided
- Heavy gauge angle supports and .375-16 colar studs are provided for mounting optional panel
- Large lifting eyebolts
- Mounting legs

Discount Schedule: C2

Subclass: D10

Enclosure Catalog Number	Enclosure Size Height x Width x Depth A x B x C		Panel Catalog Number	Panel Size Height x Width	
	in.	mm		in.	mm
604812-4FDQT	60 x 48 x 12	1524 x 1219 x 305	AW6048P	55.87 x 43.87	1419 x 1114
606012-4FDQT	60 x 60 x 12	1524 x 1524 x 305	AW6060P	55.87 x 55.87	1419 x 1419
726012-4FDQT	72 x 60 x 12	1829 x 1524 x 305	AW7260P	67.87 x 55.87	1724 x 1419
727212-4FDQT	72 x 72 x 12	1829 x 1829 x 305	AW7272P	67.87 x 67.87	1724 x 1724
727224-4FDQT	72 x 72 x 24	1829 x 1829 x 609	AW7272P	67.87 x 67.87	1724 x 1724

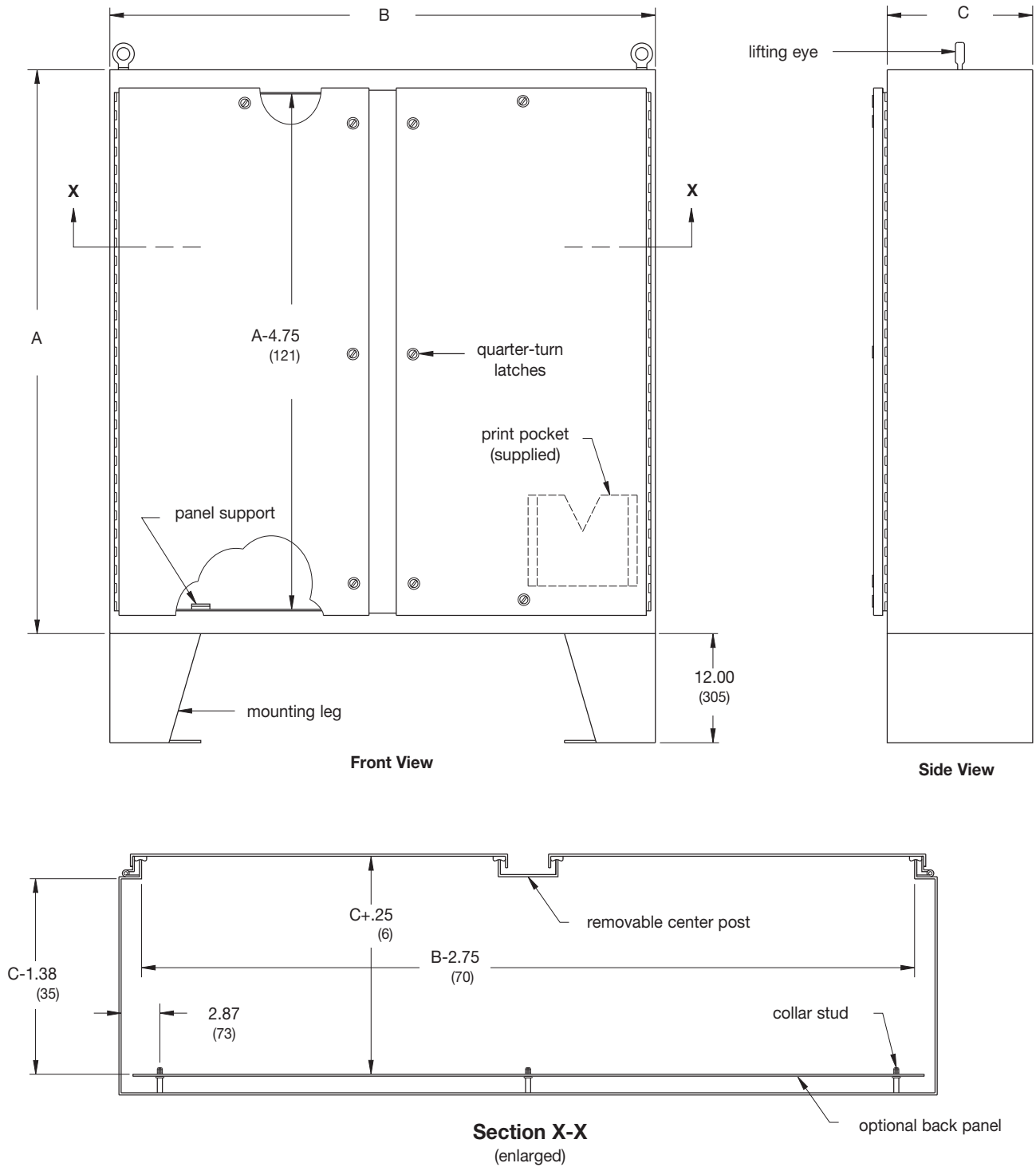
Notes: Cooper B-Line can provide special sizes, finishes and other modifications. Consult the factory for your special requirements.

Type 4 Panel Enclosures

Ground-Mount Enclosures

Type 4 Double-Door Floor-Standing with Quarter-Turn Latches

Illustration Sheet



Type 4 Panel Enclosures

Notes: Four lifting eyes are furnished when C dimension is 24" (610 mm).
Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Type 4 Panel Enclosures

Ground-Mount Enclosures

Type 4 Double-Door Floor-Standing with 3-Point Locking Locking

Data Sheet and Catalog Number



Finish

- Wash and phosphate undercoat
- ANSI 61 gray polyester powder finish

Accessories

- Panels
- Panel Support Kit
- Panel Lifting Kit
- Leg stabilizer kit
- Lights
- Window kits
- Replacement handle, T4PKHB, (see page 422)

Construction

- Enclosure and doors are fabricated from (12) gauge steel
- All continuous welded seams are finished smooth
- Continuous hinge with stainless steel hinge pin
- Internal 3-point latching with keylocking and padlock handles
- Doors have a seamless poured in-place gasket
- Removable centerpost for easy panel installation
- Formed lip around enclosure opening diverts liquids and contaminants
- Ground stud provided on door
- Print pocket provided
- Heavy gauge angle supports and .375-16 colar studs are provided for mounting optional panel
- Large lifting eyebolts
- Mounting legs

Application

- Houses electrical controls and instruments
- Intended for indoor or outdoor use
- Protects against windblown dust and rain, splashing water and hose directed water

Standards

- UL 508 listed, Type 4 and Type 12
- CSA C22.2 No.94 certified, Type 4 and Type 12
- Conforms to NEMA standard for Type 3, Type 4, Type 12

Discount Schedule: C2

Subclass: D10

Enclosure Catalog Number	Enclosure Size Height x Width x Depth A x B x C		Panel Catalog Number	Panel Size Height x Width	
	in.	mm		in.	mm
624810-4FD3PT	62 x 48 x 10	1575 x 1219 x 254	AW6048P	55.87 x 43.87	1419 x 1114
626012-4FD3PT	62 x 60 x 12	1575 x 1524 x 305	AW6060P	55.87 x 55.87	1419 x 1419
746012-4FD3PT	74 x 60 x 12	1879 x 1524 x 305	AW7260P	67.87 x 55.87	1724 x 1419
747212-4FD3PT	74 x 72 x 12	1879 x 1829 x 305	AW7272P	67.87 x 67.87	1724 x 1724
747224-4FD3PT	74 x 72 x 24	1879 x 1829 x 609	AW7272P	67.87 x 67.87	1724 x 1724

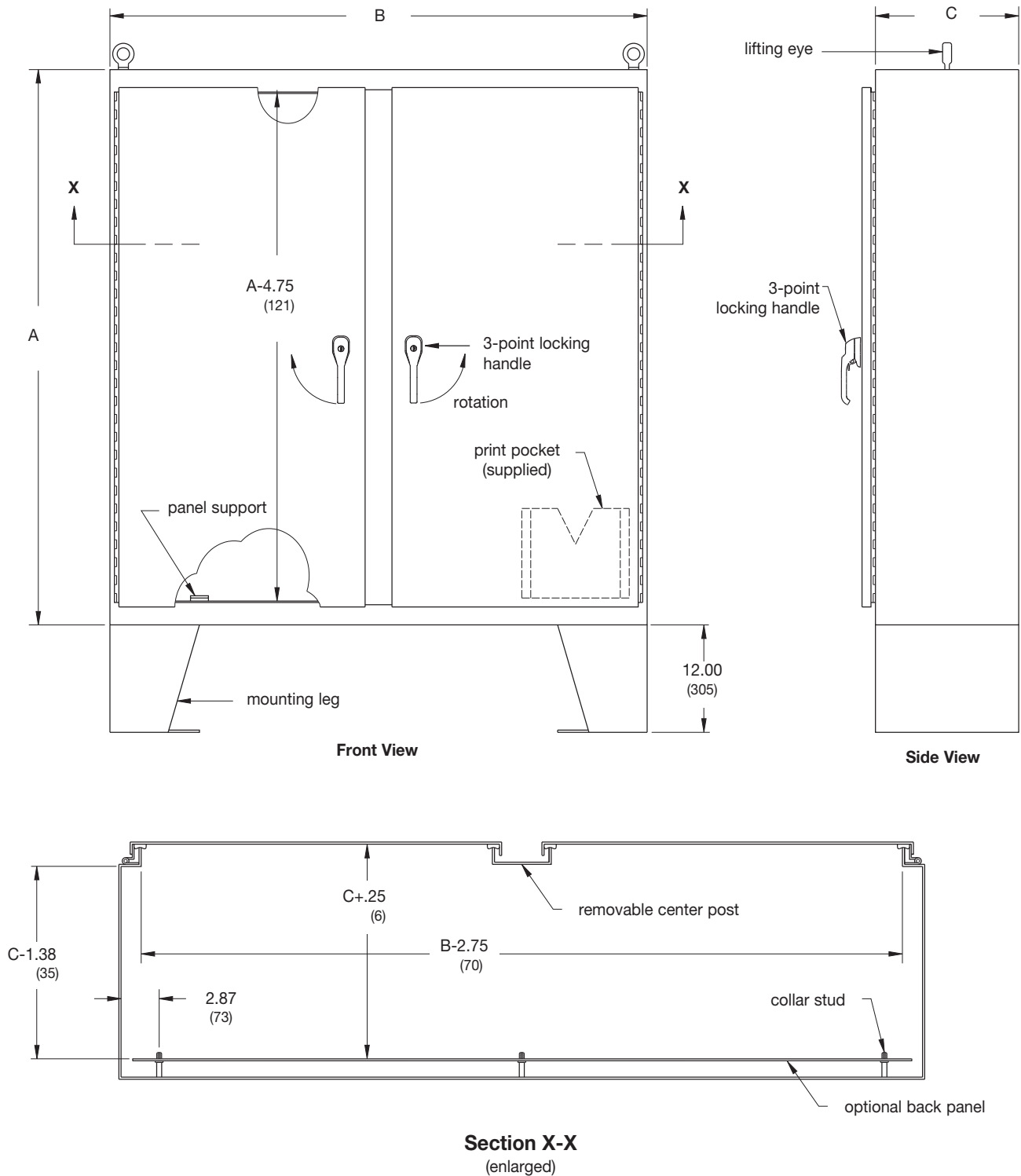
Notes: Cooper B-Line can provide special sizes, finishes and other modifications. Consult the factory for your special requirements.

Type 4 Panel Enclosures

Ground-Mount Enclosures

Type 4 Double-Door Floor-Standing with 3-Point Locking

Illustration Sheet



Type 4 Panel Enclosures

Notes: Four lifting eyes are furnished when C dimension is 24" (610 mm).
Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Type 4 Panel Enclosures

Ground-Mount Enclosures Type 4 Free-Standing Data Sheet



Type 4 Panel Enclosures

Application

- Houses electrical controls and instruments
- Easy access panels or rack mounts for housing optional equipment
- Intended for indoor or outdoor use
- Protects against windblown dust and rain, splashing water and hose directed water

Standards

- UL 508 listed, Type 4 and Type 12
- CSA C22.2 No.94 certified, Type 4 and Type 12
- Conforms to NEMA standard for Type 4 and Type 12
- E.I.A. RS-310-D

Finish

- Wash and phosphate undercoat
- ANSI 61 gray polyester powder finish

Accessories

- Full and half panels
- Side and swing panels
- Channel mounting hardware
- Equipment rack mounts
- Touch-up paint
- See Accessories section

Construction

- Enclosure and door are fabricated from (12) gauge steel
- All continuous welded seams are finished smooth
- Doors are secured to the body with a heavy-duty continuous hinge on one side and easy-to-release stainless steel door clamps mounted to the other three sides
- Door has a seamless poured in-place gasket
- Ground stud provided on door
- Each door has a padlock hasp with sealing hole provision
- Print pocket provided
- Large lifting eyebolts are supplied
- Mounting channels are welded inside for locating panels or rack mount equipment along enclosure depth
- A variety of optional panels and accessories are available (see accessories pages 178-189)

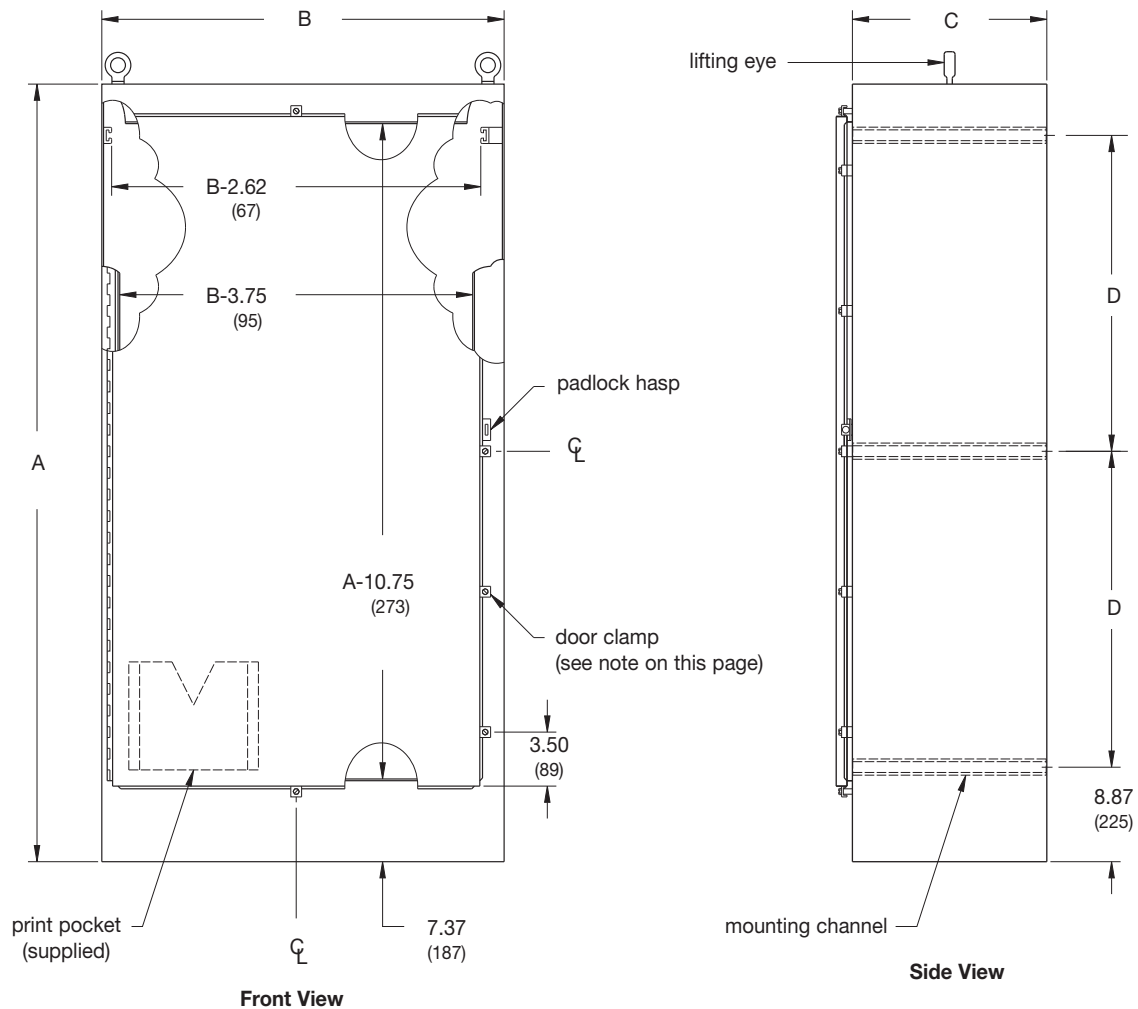
Discount Schedule: C2

Subclass: DLO

Notes: Cooper B-Line can provide special sizes, finishes and other modifications. Consult the factory for your special requirements.

Ground-Mount Enclosures Type 4 Free-Standing Illustration Sheet and Catalog Number

Enclosure Catalog Number	Enclosure Size Height x Width x Depth A x B x C		D	
	in.	mm	in.	mm
722518-4FS	72.00 x 25.00 x 18.00	1829 x 635 x 457	29.12	740
723118-4FS	72.00 x 31.00 x 18.00	1829 x 787 x 457	29.12	740
723718-4FS	72.00 x 37.00 x 18.00	1829 x 940 x 457	29.12	740
722524-4FS	72.00 x 25.00 x 24.00	1829 x 635 x 610	29.12	740
723124-4FS	72.00 x 31.00 x 24.00	1829 x 787 x 610	29.12	740
723724-4FS	72.00 x 37.00 x 24.00	1829 x 940 x 610	29.12	740



Notes: Four lifting eyes are furnished when C dimension is 24" (610 mm). Clamps are mounted along three sides of the enclosure door. Spacing between clamps along side opposite the hinge does not exceed 15 inches. Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Type 4 Panel Enclosures

Ground-Mount Enclosures Type 4 Free-Standing with Quarter-Turn Latches Data Sheet and Catalog Number



Finish

- Wash and phosphate undercoat
- ANSI 61 gray polyester powder finish

Accessories

- Full and half panels
- Side and swing panels
- Panel Support Kit
- Panel Lifting Kit
- Channel mounting hardware
- Equipment Rack Mounts
- Lights
- Window kits

Construction

- Enclosure and doors are fabricated from (12) gauge steel
- All continuous welded seams are finished smooth
- Heavy-Duty Continuous hinge with stainless steel hinge pin
- Slotted quarter-turn flush latch(es)
- Door has a seamless poured in-place gasket
- Formed lip around enclosure opening diverts liquids and contaminants
- Ground stud provided on door
- Print pocket provided
- Mounting channels are welded inside for locating panels or rack-mount equipment along enclosure depth
- Provision for mounting fluorescent light
- Large lifting eyebolts

Discount Schedule: C2

Subclass: DLO

Application

- Houses electrical controls and instruments
- Easy access panels or rack mounts for housing optional equipment
- Intended for indoor or outdoor use
- Protects against windblown dust and rain, splashing water and hose directed water

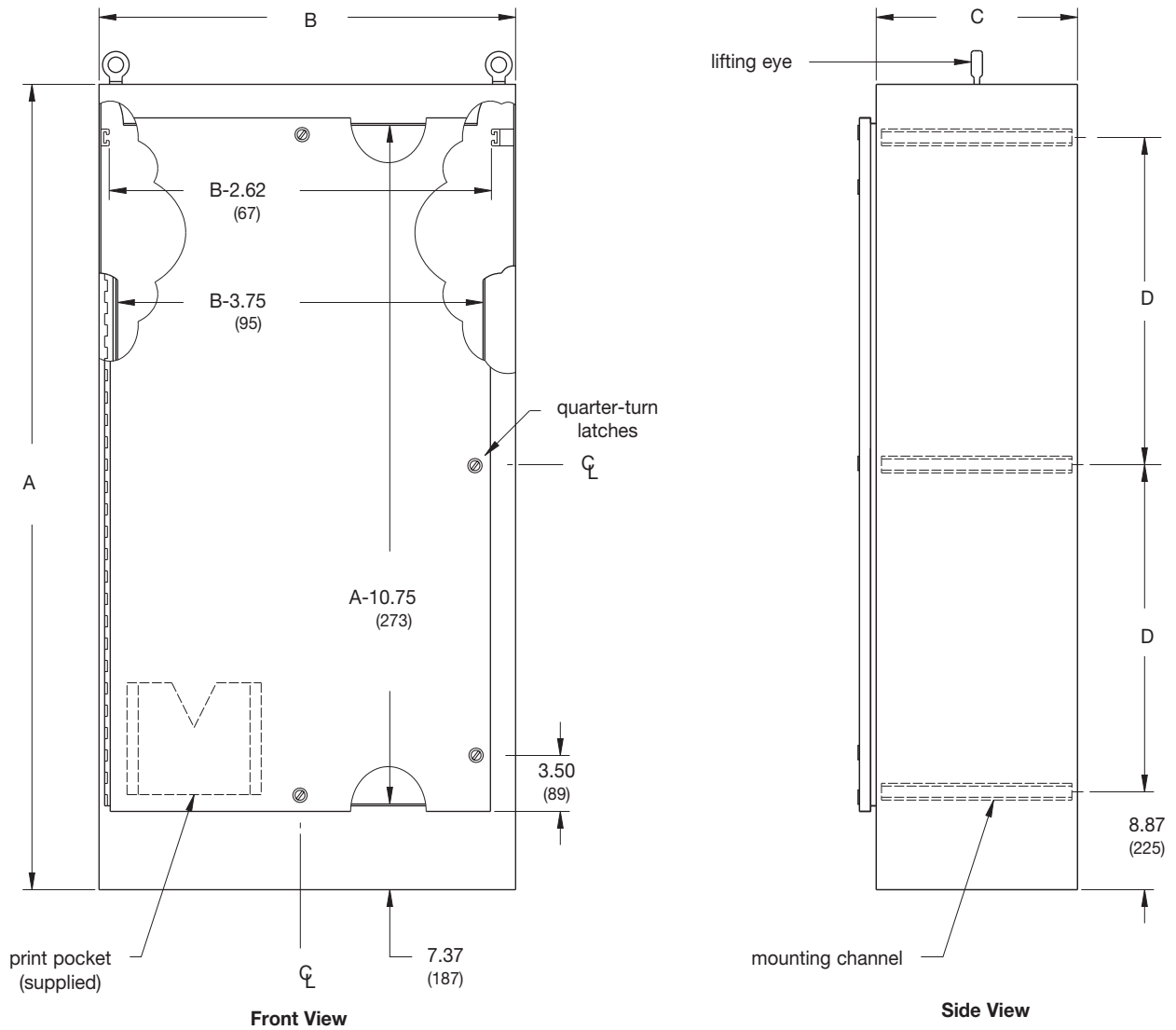
Standards

- UL 508 listed, Type 4 and Type 12
- CSA C22.2 No.94 certified, Type 4 and Type 12
- Conforms to NEMA standard for Type 3, Type 4, Type 12
- E.I.A. RS-310-D

Enclosure Catalog Number	Enclosure Size Height x Width x Depth A x B x C		D	
	in.	mm	in.	mm
722418-4FSQT	72 x 24 x 18	1829 x 609 x 457	29.12	739
723024-4FSQT	72 x 30 x 24	1829 x 762 x 609	29.12	739
723624-4FSQT	72 x 36 x 24	1829 x 914 x 609	29.12	739

Notes: Cooper B-Line can provide special sizes, finishes and other modifications. Consult the factory for your special requirements.

Ground-Mount Enclosures Type 4 Free-Standing with Quarter-Turn Latches Illustration Sheet



Type 4 Panel Enclosures

Notes: Four lifting eyes are furnished when C dimension is 24" (610 mm).
Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Type 4 Panel Enclosures

Ground-Mount Enclosures

Type 4 Free-Standing with 3-Point Locking

Data Sheet



Type 4 Panel Enclosures

Application

- Houses electrical controls and instruments
- Easy access panels or rack mounts for housing optional equipment
- Intended for indoor or outdoor use
- Protects against windblown dust and rain, splashing water and hose directed water

Standards

- UL 508 listed, Type 4 and Type 12
- CSA C22.2 No.94 certified, Type 4 and Type 12
- Conforms to NEMA standard for Type 3, 4, 12
- E.I.A. RS-310-D

Finish

- Wash and phosphate undercoat
- ANSI 61 gray polyester powder finish

Accessories

- Full and half panels
- Side and swing panels
- Panel Support Kit
- Panel Lifting Kit
- Channel mounting hardware
- Equipment Rack Mounts
- Lights
- Window kits
- Replacement handle, T4PKHB, (see page 422)

Construction

- Enclosure and doors are fabricated from (12) gauge steel
- All continuous welded seams are finished smooth
- Heavy-Duty continuous hinge with stainless steel hinge pin
- Internal 3-point latching with key-locking and padlock handles
- Door has a seamless poured in-place gasket
- Formed lip around enclosure opening diverts liquids and contaminants
- Ground stud provided on door
- Print pocket provided
- Mounting channels are welded inside for locating panels or rack-mount equipment along enclosure depth
- Provision for mounting fluorescent light
- Large lifting eyebolts

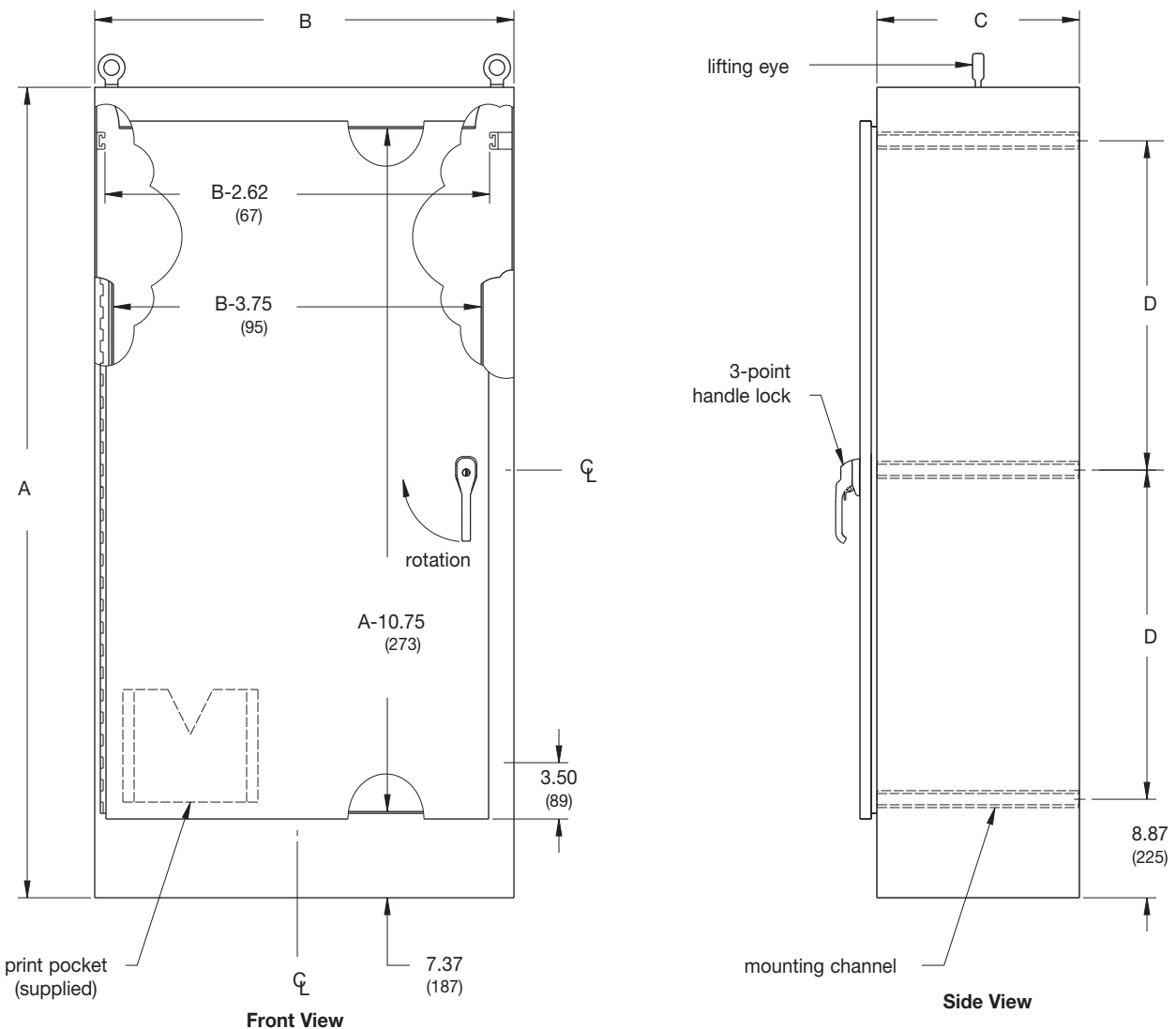
Discount Schedule: C2

Subclass: DL0

Notes: Cooper B-Line can provide special sizes, finishes and other modifications. Consult the factory for your special requirements.

Ground-Mount Enclosures Type 4 Free-Standing with 3-Point Locking Illustration Sheet and Catalog Number

Enclosure Catalog Number	Enclosure Size Height x Width x Depth A x B x C		D	
	in.	mm	in.	mm
	602418-4FS3PT	60 x 24 x 18	1524 x 609 x 457	23.12
722418-4FS3PT	72 x 24 x 18	1829 x 609 x 457	29.12	739
723018-4FS3PT	72 x 30 x 18	1829 x 762 x 457	29.12	739
723618-4FS3PT	72 x 36 x 18	1829 x 914 x 457	29.12	739
603624-4FS3PT	60 x 36 x 24	1524 x 914 x 609	23.12	587
722424-4FS3PT	72 x 24 x 24	1829 x 609 x 609	29.12	739
723024-4FS3PT	72 x 30 x 24	1829 x 762 x 609	29.12	739
723624-4FS3PT	72 x 36 x 24	1829 x 914 x 609	29.12	739
723630-4FS3PT	72 x 36 x 30	1829 x 914 x 762	29.12	739
723636-4FS3PT	72 x 36 x 36	1829 x 914 x 914	29.12	739



Type 4 Panel Enclosures

Notes: Four lifting eyes are furnished when C dimension is 24" (610 mm).
Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Type 4 Panel Enclosures

Ground-Mount Enclosures

Type 4 EnviroShield™ Free-Standing with 3-Point Locking

Data Sheet



Application

- Houses electrical controls and electrical instruments in harsh environments
- Provides quick and easy access indoors and out
- Protects against circulating dust, falling dirt, dripping non-corrosive liquids, rain, sleet, ice, splashing and hose directed water

Standards

- UL 508 listed, Type 3R, Type 4, Type 4X, Type 12
- Conforms to NEMA standard for Type 3R, Type 4, Type 4X, Type 12
- NSF Criteria C-2
- E.I.A. RS-310-D

Finish

- Type 4 enclosures have a washed and phosphate undercoat with ANSI 61 gray polyester powder inside and out

Accessories

- Full and half panels
- Side and swing panels
- Center post
- Channel mounting hardware
- Touch-up paint
- Climate control
- Mounting legs
- Rack mounting angles
- Swing out mounting frames
- See Accessories section
- Replacement handle, 11184A (see page 422).

Construction

- Enclosure and door are fabricated from (12) gauge steel
- All continuous welded seams are finished smooth
- Doors are secured to the body with a heavy-duty concealed lift-off hinge and a 3-point padlock handle mechanism on each door
- Removable center post
- Doors have a fixed, oil-resistant gasket
- Ground stud provided on doors and bodies
- Print pocket provided
- Large lifting eyes are integrated with sides of enclosure
- Mounting channels are welded inside for locating panels or rack mounts along enclosure depth, as well as mounting studs for fixed panels
- Swing panels, single full and single half panels can be installed in double-door enclosures when the center post is used
- A variety of optional panels and accessories are available, (see pages 178-189)

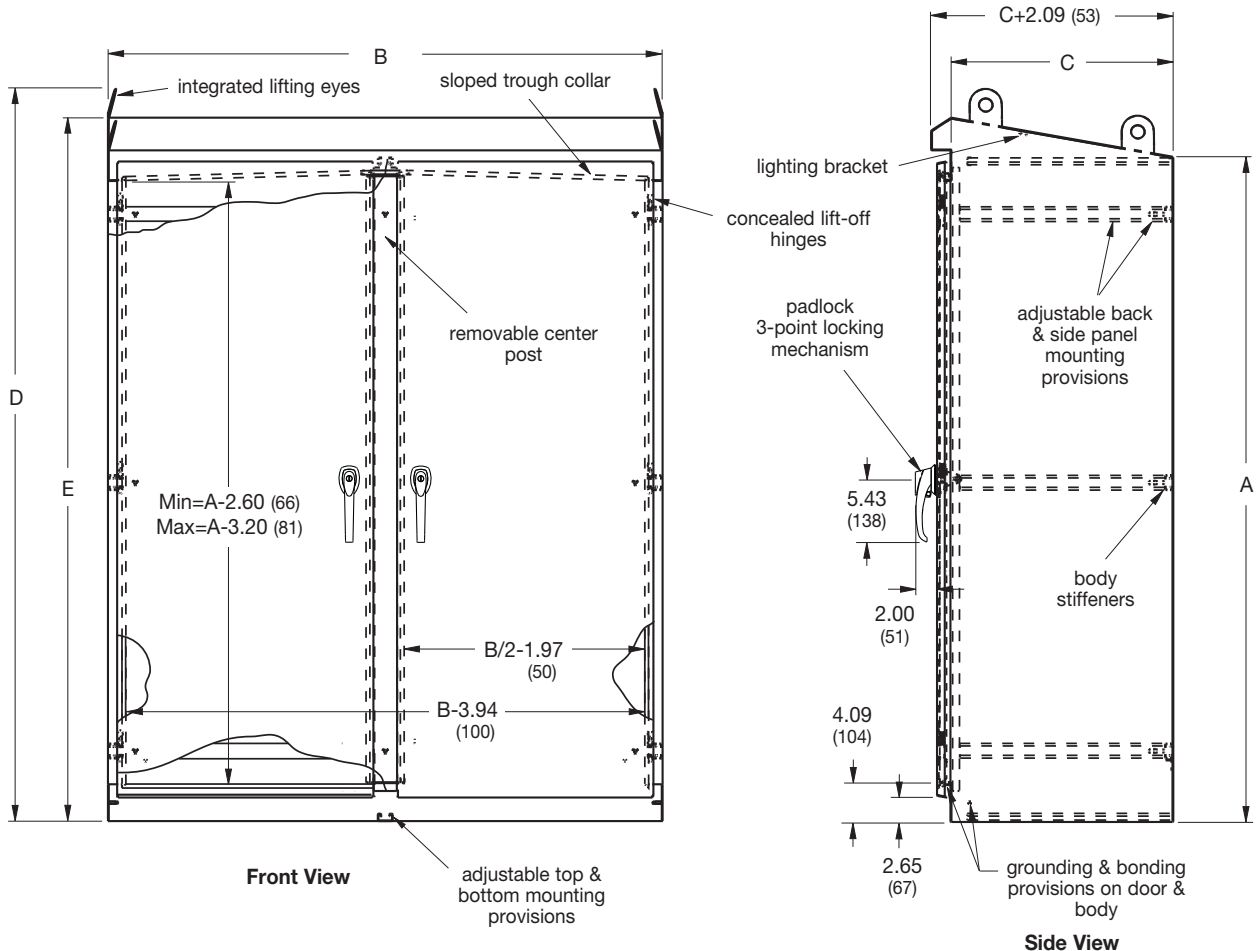
Discount Schedule: C2

Subclass: VR0

Notes: Cooper B-Line can provide special sizes, finishes and other modifications. Consult the factory for your special requirements.

Ground-Mount Enclosures Type 4 EnviroShield™ Free-Standing with 3-Point Locking Illustration Sheet and Catalog Number

Enclosure Catalog Number ANSI 61 Gray Carbon Steel	Enclosure Size Height x Width x Depth A x B x C		D		E	
	in.	mm	in.	mm	in.	mm
	ES-604812-4	60.00 x 48.00 x 12.00	1524 x 1219 x 305	65.98	1676	64.23
ES-604816-4	60.00 x 48.00 x 16.00	1524 x 1219 x 406	65.98	1676	64.23	1631
ES-604820-4	60.00 x 48.00 x 20.00	1524 x 1219 x 508	65.98	1676	64.23	1631
ES-604824-4	60.00 x 48.00 x 24.00	1524 x 1219 x 609	65.98	1676	64.23	1631
ES-606012-4	60.00 x 60.00 x 12.00	1524 x 1524 x 305	65.98	1676	64.23	1631
ES-606016-4	60.00 x 60.00 x 16.00	1524 x 1524 x 406	65.98	1676	64.23	1631
ES-606020-4	60.00 x 60.00 x 20.00	1524 x 1524 x 508	65.98	1676	64.23	1631
ES-606024-4	60.00 x 60.00 x 24.00	1524 x 1524 x 609	67.46	1713	64.23	1631
ES-726012-4	72.00 x 60.00 x 12.00	1829 x 1524 x 305	77.98	1980	76.23	1936
ES-726016-4	72.00 x 60.00 x 16.00	1829 x 1524 x 406	77.98	1980	76.23	1936
ES-726020-4	72.00 x 60.00 x 20.00	1829 x 1524 x 508	77.98	1980	76.23	1936
ES-726024-4	72.00 x 60.00 x 24.00	1829 x 1524 x 609	77.98	1980	76.23	1936
ES-727212-4	72.00 x 72.00 x 12.00	1829 x 1829 x 305	77.98	1980	76.23	1936
ES-727216-4	72.00 x 72.00 x 16.00	1829 x 1829 x 406	77.98	1980	76.23	1936
ES-727220-4	72.00 x 72.00 x 20.00	1829 x 1829 x 508	77.98	1980	76.23	1936
ES-727224-4	72.00 x 72.00 x 24.00	1829 x 1829 x 609	79.46	2018	76.23	1936



Type 4 Panel Enclosures

Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

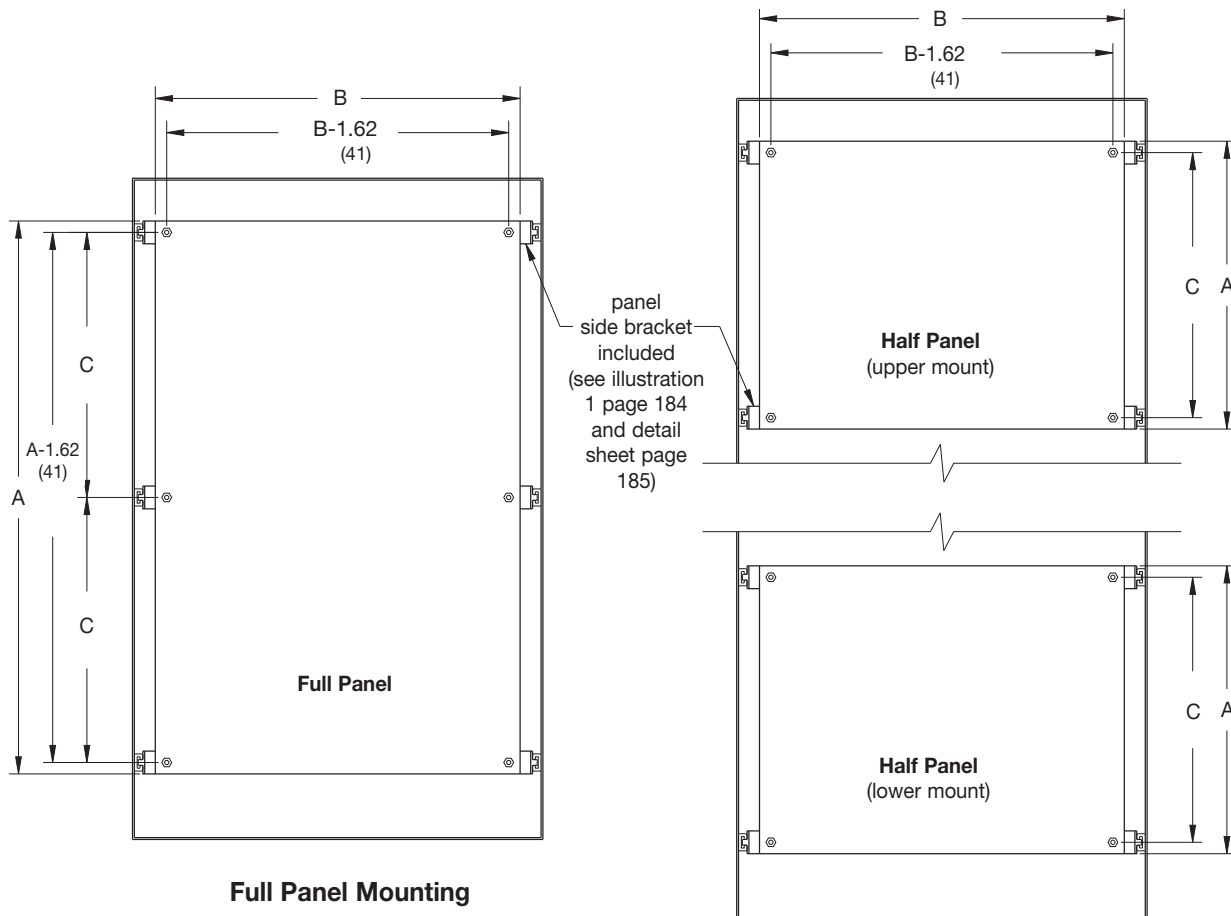
Type 4 Panel Enclosures

Free-Standing Enclosure Accessories Type 4 Single-Door Full and Half Panel Illustration Sheet and Catalog Number

Discount Schedule: C2
Subclass: DSO

Full Panel (Single-Door)						
Panel Catalog Number	Panel Size Height x Width A x B		C		Fits Enclosure Height x Width	
	in.	mm	in.	mm	in.	mm
AF6024P	47.87 x 19.87	1216 x 505	23.12	587	60.00 x 24.00	1524 x 610
AF6036P	47.87 x 31.87	1216 x 809	23.12	587	60.00 x 36.00	1524 x 914
AF7224P	59.87 x 19.87	1521 x 505	29.12	740	72.00 x 24.00	1829 x 610
AF7230P	59.87 x 25.87	1521 x 657	29.12	740	72.00 x 30.00	1829 x 762
AF7236P	59.87 x 31.87	1521 x 809	29.12	740	72.00 x 36.00	1829 x 914

Half Panel (Single-Door)						
Panel Catalog Number	Panel Size Height x Width A x B		C		Fits Enclosure Height x Width	
	in.	mm	in.	mm	in.	mm
AF6024HP	24.75 x 19.87	629 x 505	23.12	587	60.00 x 24.00	1524 x 610
AF6036HP	24.75 x 31.87	629 x 809	23.12	587	60.00 x 36.00	1524 x 914
AF7224HP	30.75 x 19.87	781 x 505	29.12	587	72.00 x 24.00	1829 x 610
AF7230HP	30.75 x 25.87	781 x 657	29.12	587	72.00 x 30.00	1829 x 762
AF7236HP	30.75 x 31.87	781 x 809	29.12	587	72.00 x 36.00	1829 x 914



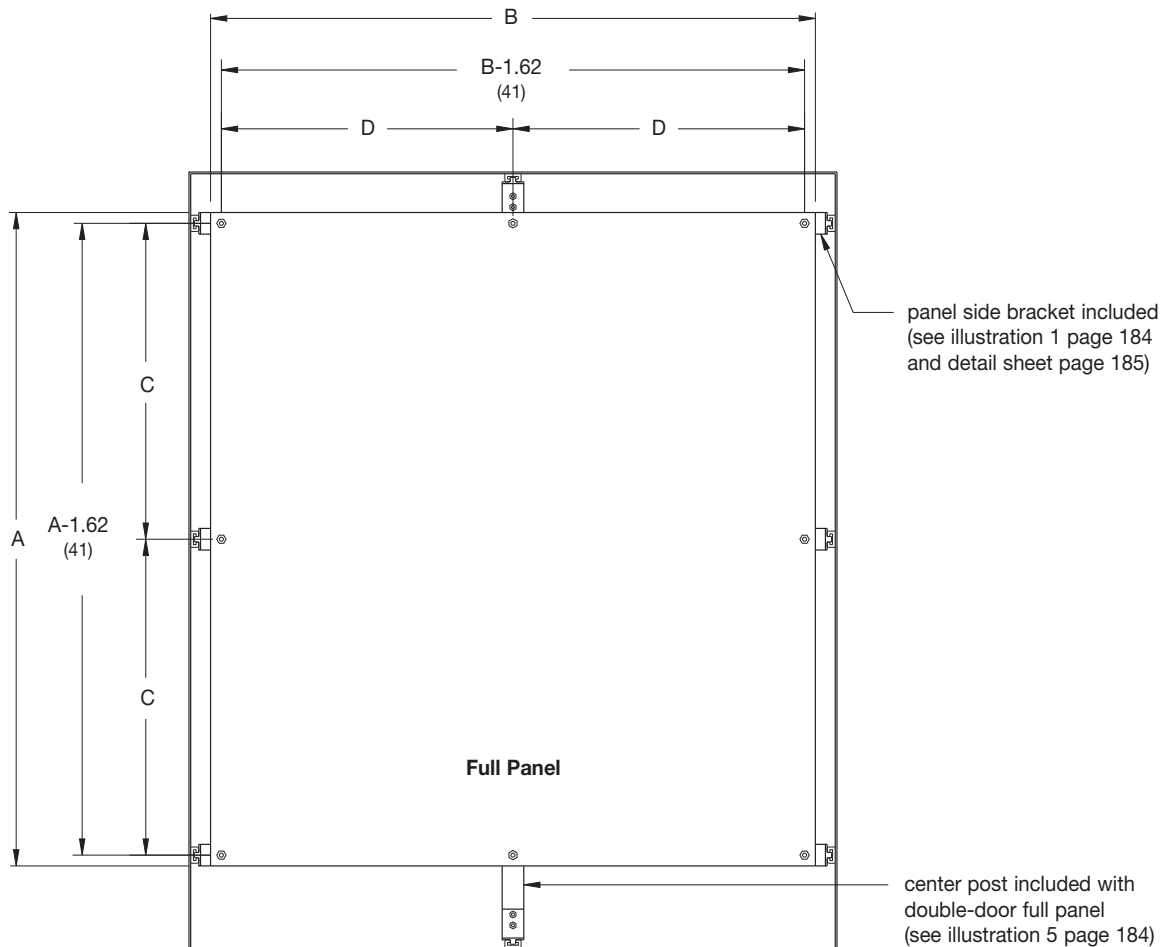
Note: Full and Half panel for single-door, single and dual-access enclosures are (12) gauge steel and furnished with panel side brackets and all hardware necessary for channel and panel mounting. Half Panels can be mounted in either the upper or lower portion of the enclosure. Free standing design permits the panel to adjust along the depth of the enclosure. With dual-access enclosures, Full and Half panels can be mounted back-to-back.

Notes: Cooper B-Line can provide special sizes, finishes and other modifications. Consult the factory for your special requirements.

Free-Standing Enclosure Accessories Type 4 Double-Door Full Panel Illustration Sheet and Catalog Number

Discount Schedule: C2
Subclass: DSO

Panel Catalog Number	Panel Size Height x Width A x B		C		D		Fits Enclosure Height x Width	
	in.	mm	in.	mm	in.	mm	in.	mm
AF6048P	47.87 x 43.87	1216 x 1114	23.12	587	21.12	530	60.00 x 48.00	1524 x 1219
AF6060P	47.87 x 55.87	1216 x 1419	23.12	587	27.12	689	60.00 x 60.00	1524 x 1524
AF7248P	59.87 x 43.87	1521 x 1114	29.12	740	21.12	530	72.00 x 48.00	1829 x 1219
AF7260P	59.87 x 55.87	1521 x 1419	29.12	740	27.12	689	72.00 x 60.00	1829 x 1524
AF7272P	59.87 x 67.87	1521 x 1724	29.12	740	33.12	841	72.00 x 72.00	1829 x 1829



Full Panel Mounting

Notes: Full Panel for double-door, single and dual-access enclosures are (10) gauge steel and furnished with Panel Brackets, Center Post assembly, panel handle kit and all hardware necessary for channel and panel mounting. The Center Post assembly offers additional support of panel and equipment. Free-standing design permits the panel to adjust along the depth of the enclosure. With dual-access enclosures, Full and Half Panels can be mounted back-to-back.

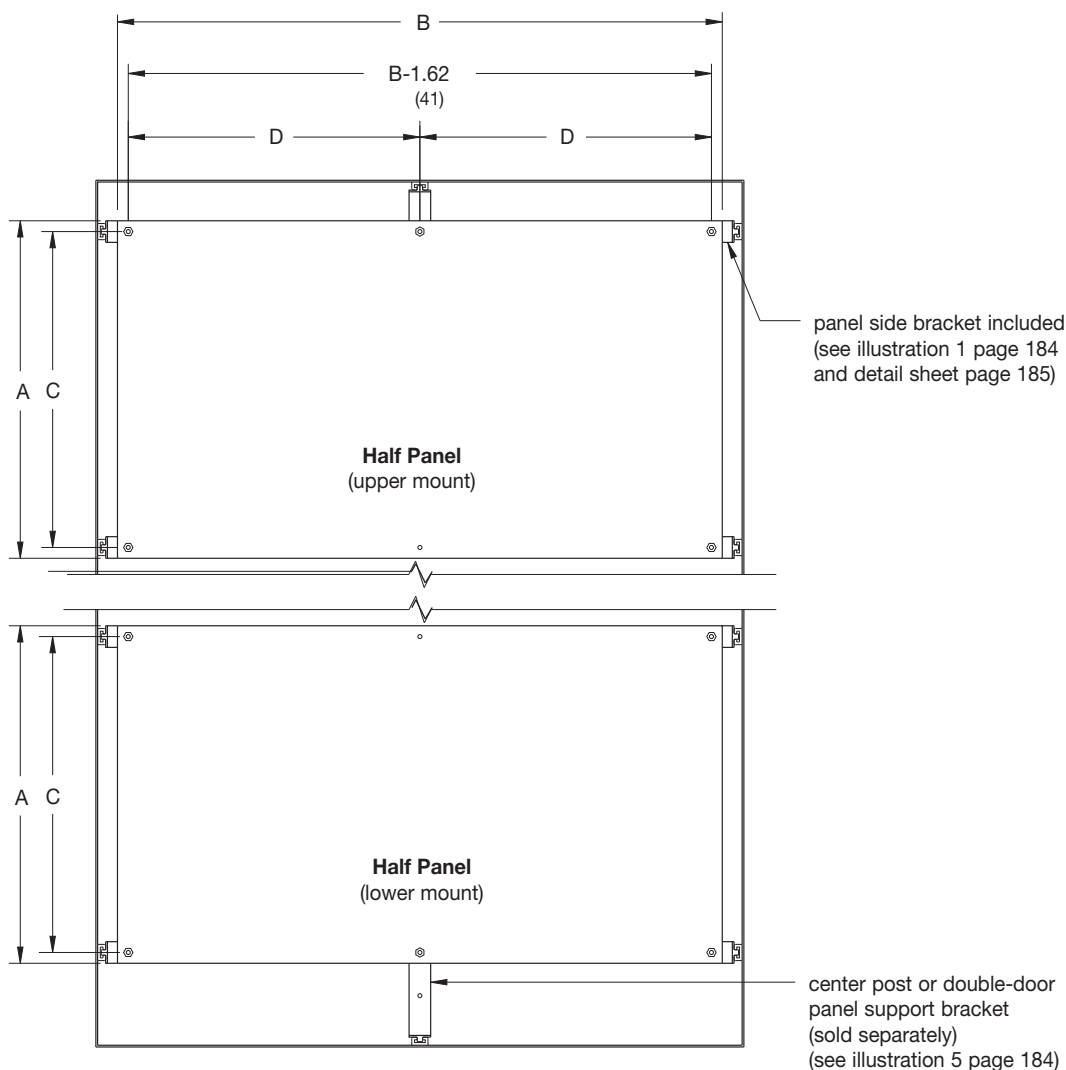
Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Type 4 Panel Enclosures

Free-Standing Enclosure Accessories Type 4 Double-Door Half Panel Illustration Sheet and Catalog Number

Discount Schedule: C2
Subclass: DSO

Panel Catalog Number	Panel Size Height x Width A x B		C		D		Fits Enclosure Height x Width	
	in.	mm	in.	mm	in.	mm	in.	mm
	AF6048HP	24.75x43.87	629x1114	23.12	587	21.12	536	60.00x48.00
AF7248HP	30.75x43.87	781x1114	29.12	740	21.12	536	72.00x48.00	1829x1219
AF7260HP	30.75x55.87	781x1419	29.12	740	7.12	181	72.00x60.00	1829x1524
AF7272HP	30.75x67.87	781x1724	29.12	740	33.12	841	72.00x72.00	1829x1829



Half Panel Mounting

Note: Half panel for double-door, single and dual-access enclosures are (12) gauge steel and furnished with Panel Brackets and all hardware necessary for channel and panel mounting. A **Center Post assembly** or a **double-door panel support bracket (catalog number AFSUP2)** for additional support of the panel is optional and sold separately. Free-standing design permits the panel to adjust along the depth of the enclosure. With dual-access enclosures, Full and Half Panels can be mounted back-to-back.

Notes: Cooper B-Line can provide special sizes, finishes and other modifications. Consult the factory for your special requirements.

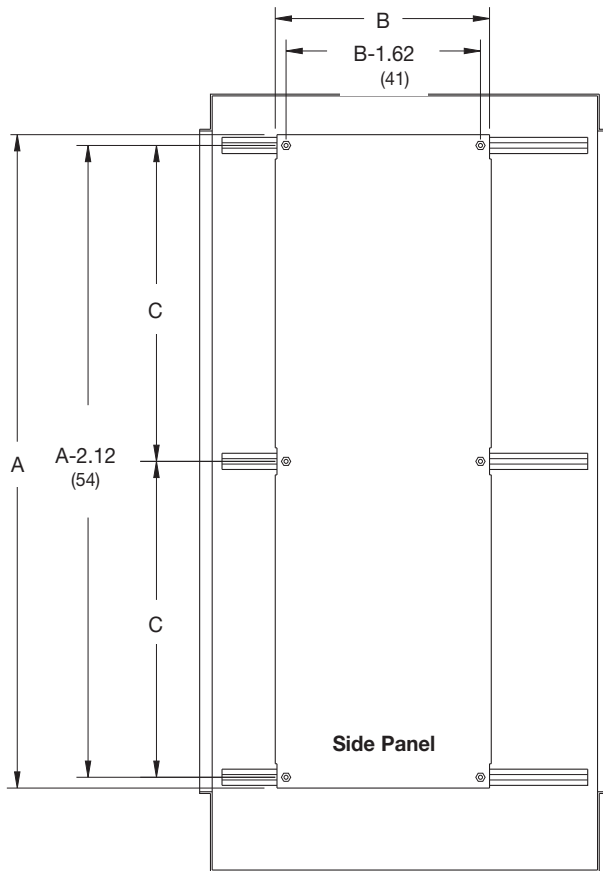
Free-Standing Enclosure Accessories Type 4 Side Panel And Center Post Illustration Sheet and Catalog Number

Discount Schedule: C2
Subclass: DSO

Side Panel								
Panel Catalog Number	Panel Size Height x Width A x B		C		Fits Enclosure Height Depth*			
	in.	mm	in.	mm	in.	mm	in.	mm
AF6018SP	48.37 x 13.87	1229 x 340	23.12	587	60.00	1524	18.00	457
AF7218SP	60.37 x 13.87	1533 x 340	29.12	740	72.00	1829	18.00	457
AF7224SP	60.37 x 19.87	1533 x 505	29.12	740	72.00	1829	24.00	610

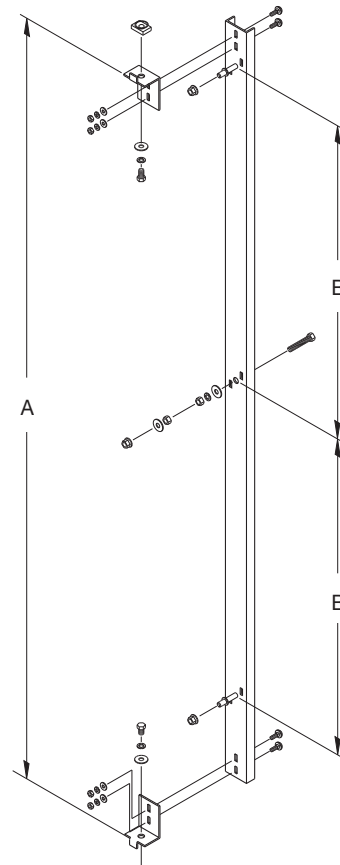
Center Post						
Center Post Catalog Number	A		B		Fits Enclosure Height	
	in.	mm	in.	mm	in.	mm
AF60CPS	58.37	1483	23.12	587	60.00	1524
AF72CPS	70.37	1787	29.12	740	72.00	1829

* Back panels restrict the movement of side panels and will prohibit mounting in some depths. See detail sheet for back panel spacing.



Side Panel Mounting

Side Panels are (12) gauge steel and furnished with hardware necessary for channel mounting. They will fit any width enclosure and are adjustable along its depth, however, when Full or Half Panels are installed, movement will be restricted and with some depths make side mounting prohibitive.



Center Post Assembly

Center Post assembly is furnished with all double-door Full Panels and includes hardware necessary for channel and panel mounting. The Center Post is optional on double-door Half Panels and Swing Panel mounting and must be ordered separately. It attaches to the top and bottom channels making it adjustable along the depth of the enclosure. See illustration #5 on the Detail Sheet-page 184.

Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

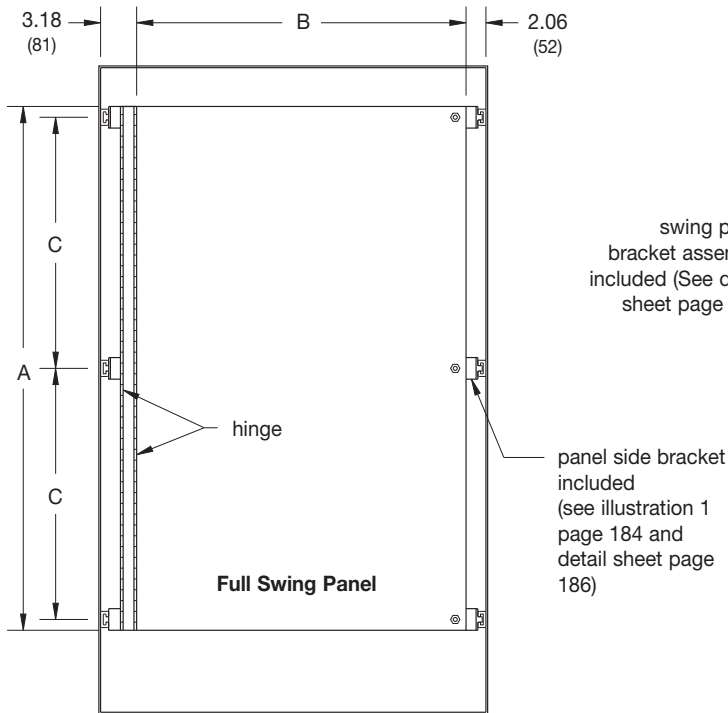
Type 4 Panel Enclosures

Free-Standing Enclosure Accessories Type 4 Single-Door Full and Half Swing Panel Illustration Sheet and Catalog Number

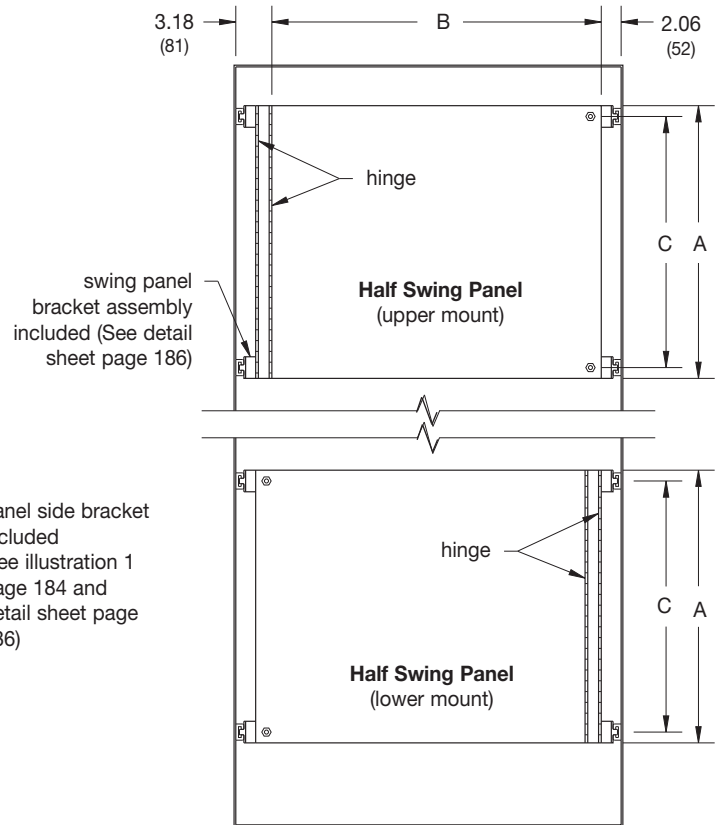
Discount Schedule: C2
Subclass: DSO

Full Swing Panel (Single-Door)						
Panel Catalog Number	Panel Size		C		Fits	
	Height x Width A x B				Enclosure Height x Width	
	in.	mm	in.	mm	in.	mm
AF6024SWP	47.87 x 18.75	1216 x 476	23.12	587	60.00 x 24.00	1524 x 610
AF6036SWP	47.87 x 30.75	1216 x 781	23.12	587	60.00 x 36.00	1524 x 914
AF7224SWP	59.87 x 18.75	1521 x 476	29.12	740	72.00 x 24.00	1829 x 610
AF7230SWP	59.87 x 24.75	1521 x 629	29.12	740	72.00 x 30.00	1829 x 762
AF7236SWP	59.87 x 30.75	1521 x 781	29.12	740	72.00 x 36.00	1829 x 914

Half Swing Panel (Single-Door)						
Panel Catalog Number	Panel Size		C		Fits	
	Height x Width A x B				Enclosure Height x Width	
	in.	mm	in.	mm	in.	mm
AF6024HSPW	47.87 x 18.75	1216 x 476	23.12	587	60.00 x 24.00	1524 x 610
AF6036HSPW	47.87 x 30.75	1216 x 781	23.12	587	60.00 x 36.00	1524 x 914
AF7224HSPW	59.87 x 18.75	1521 x 476	29.12	740	72.00 x 24.00	1829 x 610
AF7230HSPW	59.87 x 24.75	1521 x 629	29.12	740	72.00 x 30.00	1829 x 762
AF7236HSPW	59.87 x 30.75	1521 x 781	29.12	740	72.00 x 36.00	1829 x 914



Full Swing Panel Mounting



Half Swing Panel Mounting

Note: Full Swing Panel and Half Swing Panel for single-door, single and dual-access enclosures are (12) gauge steel, have a dual hinge swing panel bracket and furnished with Panel Brackets and all hardware necessary for channel and panel mounting. Panels can be installed so they hinge on either the left or right side. In addition, Half Panels can be mounted in either the upper or lower portion of the enclosure. Free-standing design permits the panel to be adjustable along the depth of the enclosure. The dual hinge will allow the inner panel to swing completely out of the door opening when within 5.50 inches of the front. With dual-access enclosures, Full and Half Swing Panels can be mounted back-to-back.

Notes: Cooper B-Line can provide special sizes, finishes and other modifications. Consult the factory for your special requirements.

Type 4 Panel Enclosures

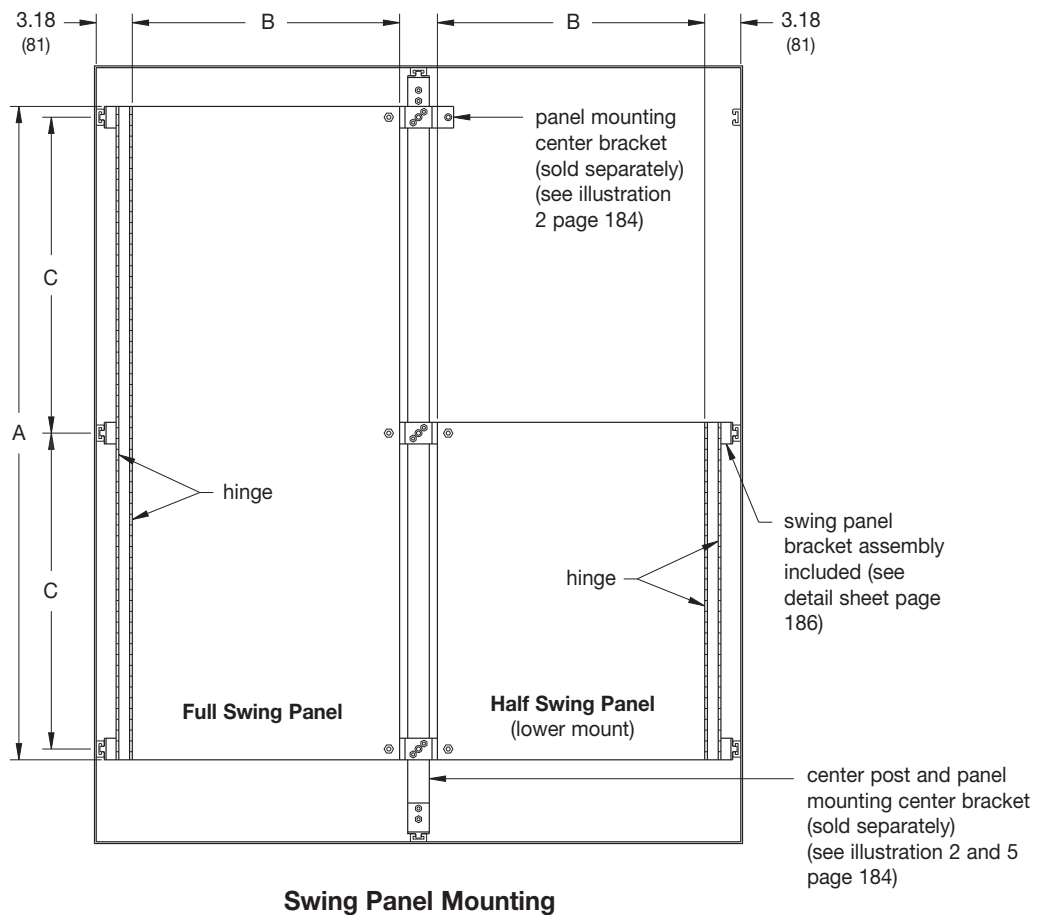
Free-Standing Enclosure Accessories Type 4 Double-Door Full and Half Swing Panel Illustration Sheet and Catalog Number

Discount Schedule: C2
Subclass: DSO

Full Swing Panel (Single-Door)						
Panel Catalog Number	Panel Size Height x Width A x B		C		Fits Enclosure Height x Width	
	in.	mm	in.	mm	in.	mm
AF6024SWP	47.87 x 18.75	1216 x 476	23.12	587	60.00 x 48.00	1524 x 1219
AF7224SWP	59.87 x 18.75	1521 x 476	29.12	740	72.00 x 48.00	1829 x 1219
AF7230SWP	59.87 x 24.75	1521 x 629	29.12	740	72.00 x 60.00	1829 x 1524
AF7236SWP	59.87 x 30.75	1521 x 781	29.12	740	72.00 x 72.00	1829 x 1829

Half Swing Panel (Single-Door)						
Panel Catalog Number	Panel Size Height x Width A x B		C		Fits Enclosure Height x Width	
	in.	mm	in.	mm	in.	mm
AF6024HSWP	24.75 x 18.75	629 x 476	23.12	587	60.00 x 48.00	1524 x 1219
AF7224HSWP	30.75 x 18.75	781 x 476	29.12	740	72.00 x 48.00	1829 x 1219
AF7230HSWP	30.75 x 24.75	781 x 629	29.12	740	72.00 x 60.00	1829 x 1524
AF7236HSWP	30.75 x 30.75	781 x 781	29.12	740	72.00 x 72.00	1829 x 1829

A Center Post assembly and Center Bracket must be ordered separately.



Type 4 Panel Enclosures

Note: Full Swing Panel and Half Swing Panel for double-door, single and dual-access enclosures are (12) gauge steel, have a dual hinge swing panel bracket, and furnished with hardware necessary for side channel mounting. **A Center Post assembly and Center Bracket must be ordered separately.** Panels can be installed so they hinge either on the left or right side. In addition, Half Panels can be mounted in either the upper or lower portion of the enclosure. Free-standing design permits the panel to adjust along the depth of the enclosure. The dual hinge will allow the inner panel to swing completely out of the door opening when within 5.50 inches of the front. With dual-access enclosures, Full and Half Swing Panels can be mounted back-to-back.

Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Type 4 Panel Enclosures

Free-Standing Enclosure Accessories

Type 4

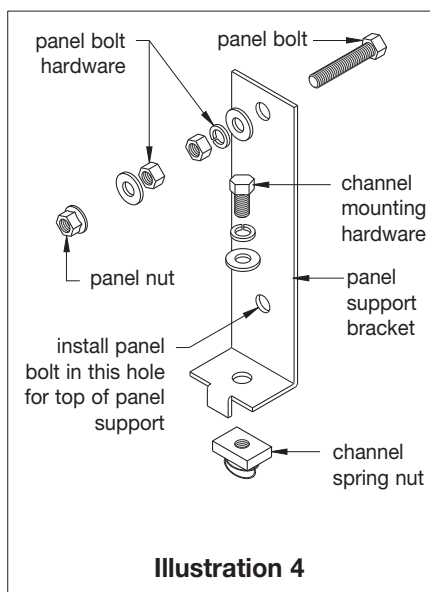
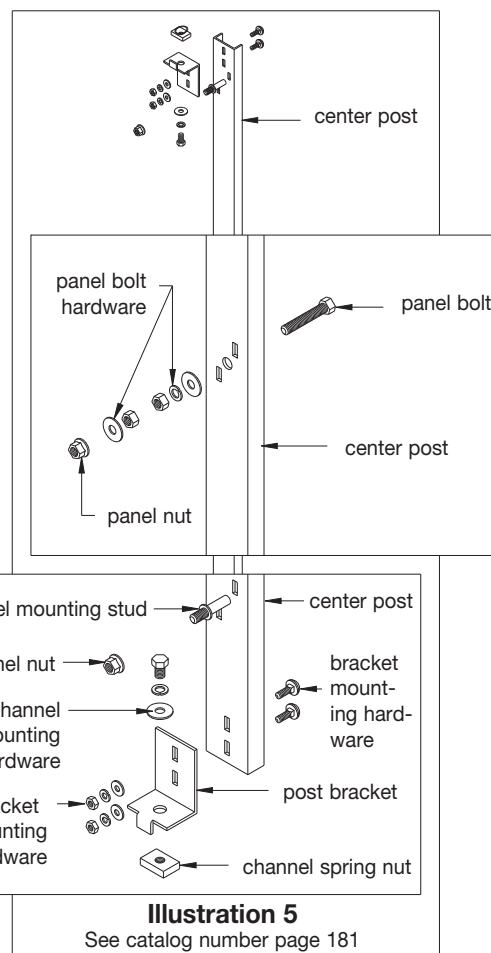
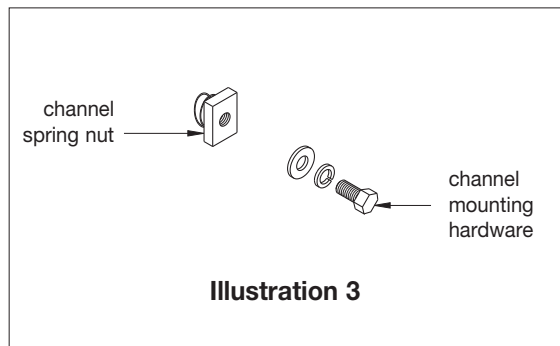
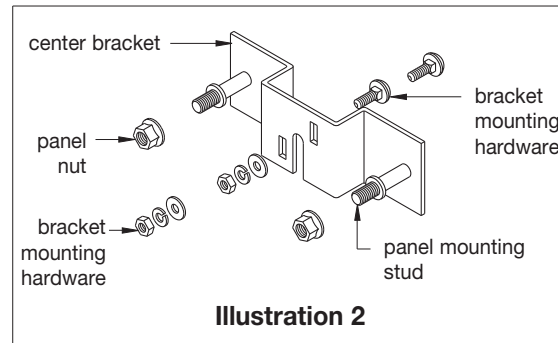
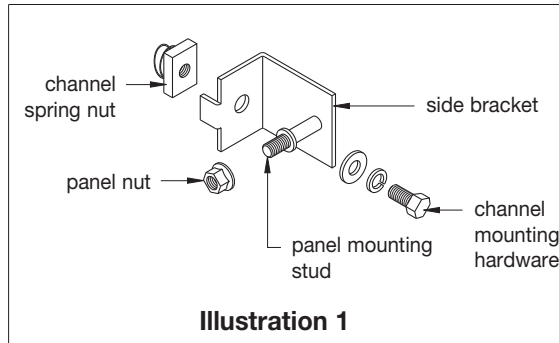
Miscellaneous Accessories

Illustration Sheet and Catalog Number

Discount Schedule: C2

Subclass: DSO

Miscellaneous Accessories			
Catalog Number	Description	Illustration	Quantity
AFSBRKT1	Panel mounting side bracket	1	1
AFCBRKT3	Panel mounting center bracket	2	3
AFCMH3	Channel mounting hardware	3	3
AFPSUP2	Double-door panel support bracket	4	2

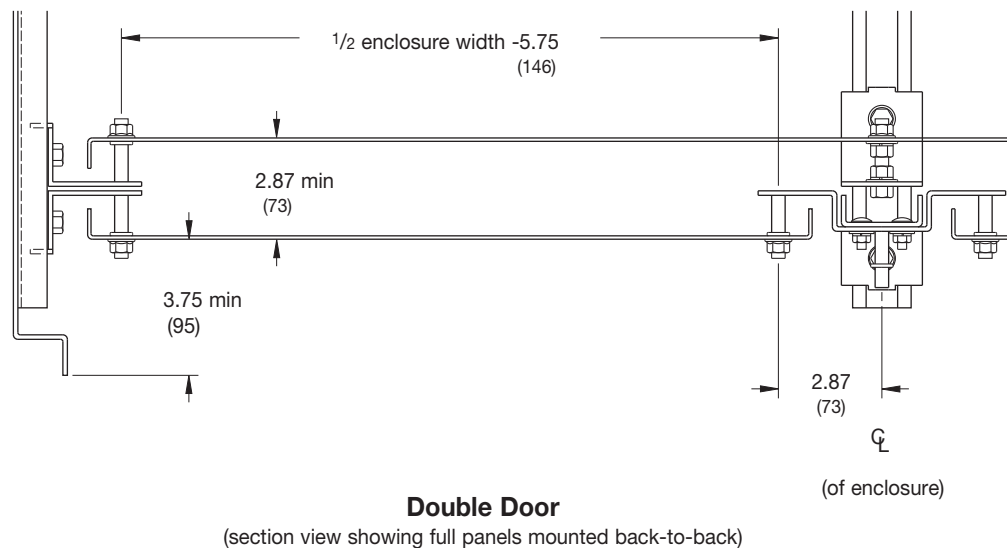
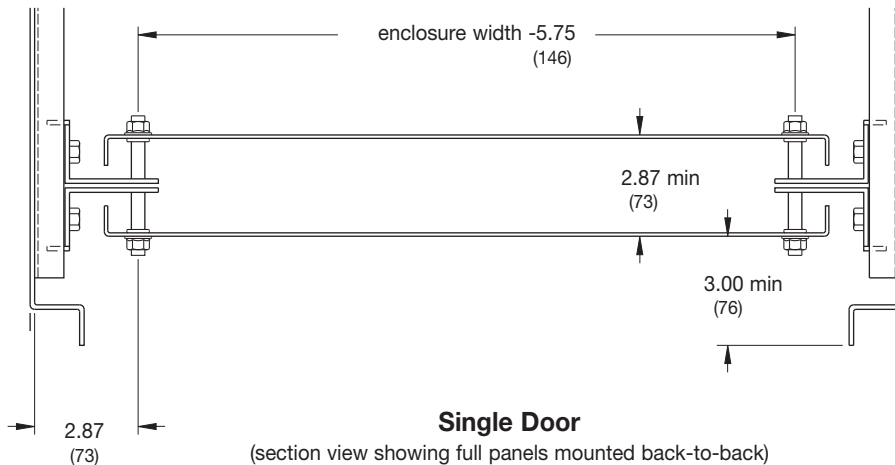


Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Free-Standing Enclosure Details Type 4 Panel and Enclosure Detail Sheet

Discount Schedule: C2

Subclass: DSO



Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Type 4 Panel Enclosures

Free-Standing Enclosure Details

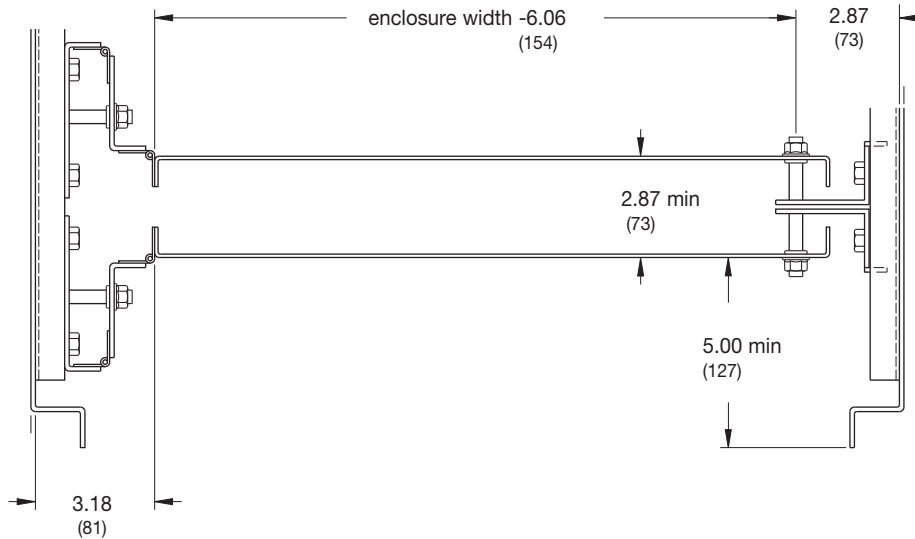
Type 4

Swing Panel and Enclosure

Detail Sheet

Discount Schedule: C2

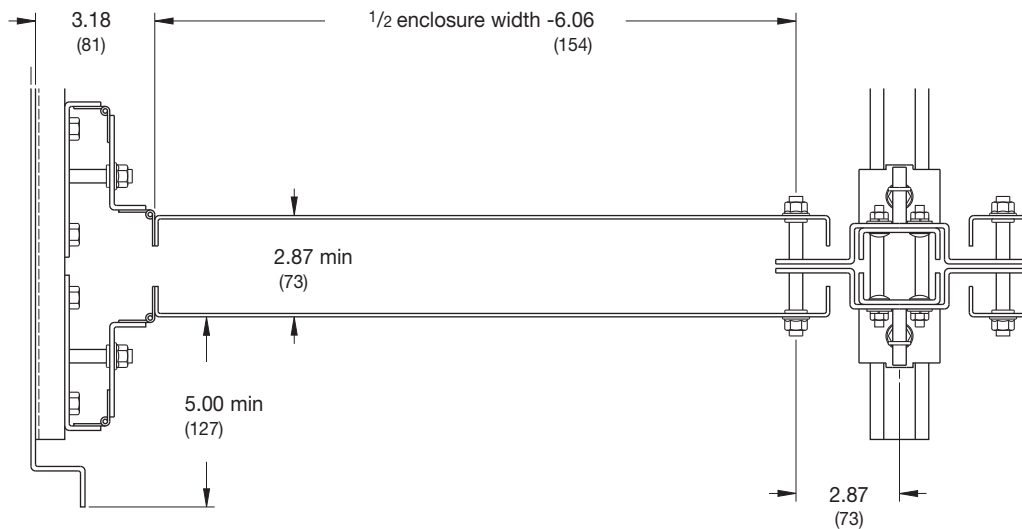
Subclass: DSO



Single Door

(section view showing swing panels mounted back-to-back)

Type 4 Panel Enclosures



Double Door

(section view showing swing panels mounted back-to-back)

⌀

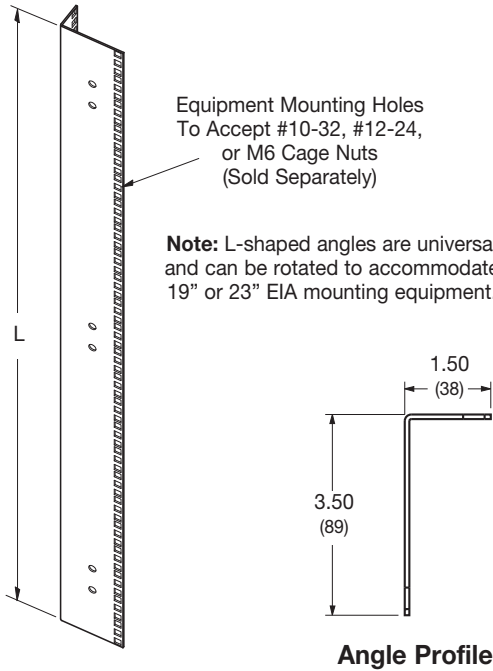
(of enclosure)

Notes: Cooper B-Line can provide special sizes, finishes and other modifications. Consult the factory for your special requirements.

Free-Standing Enclosure Accessories Rack Mounting Angles Illustration Sheet and Catalog Number

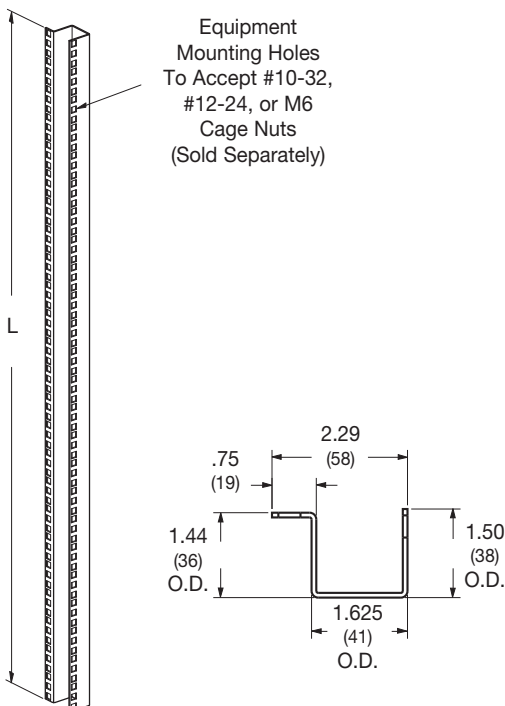
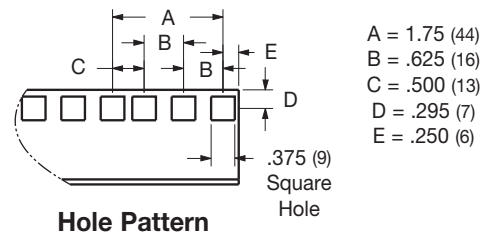
Discount Schedule: C2
Subclass: DSO

Heavy Duty Rack Mounting Angles are designed for mounting 19" (482mm) equipment in free-standing enclosures. A **Center Post Assembly, "AFxxCPS"** on page 181, and a **Panel Mounting Center Bracket, "AFCBRKT3"** on page 184, (each sold separately) are required when mounting in any double door enclosure. Mounting holes are spaced at the 19" "EIA" Standard and are provided to accept #10-32, #12-24, or M6 cage nuts (sold in packages of 100), on page 188.



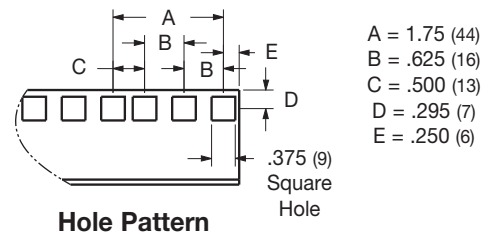
Catalog Number	Fits Enclosure Height		L		Mounting U's
	in.	mm	in.	mm	
	ES-48RMA-L	48	1219	42.00	
ES-60RMA-L	60	1524	54.25	1378	31
ES-72RMA-L	72	1829	66.50	1689	38
ES-90RMA-L	90	2286	78.75	2000	45

Kit contains two (2) full length 'L' angles, installation instructions, and hardware necessary to mount in single-door enclosures. Yellow Zinc finish.



Catalog Number	Fits Enclosure Height		L		Mounting U's
	in.	mm	in.	mm	
	ES-48RMA-U	48	1219	42.00	
ES-60RMA-U	60	1524	54.25	1378	31
ES-72RMA-U	72	1829	66.50	1689	38
ES-90RMA-U	90	2286	78.75	2000	45

Kit contains two (2) full length 'U' angles, installation instructions, and hardware necessary to mount in single-door enclosures. Yellow Zinc finish.



Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

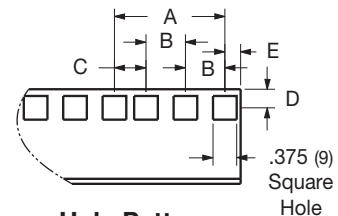
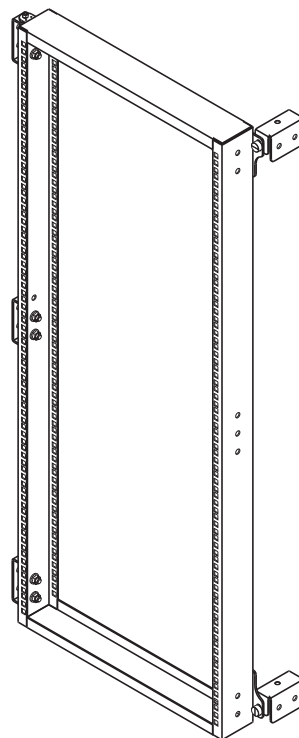
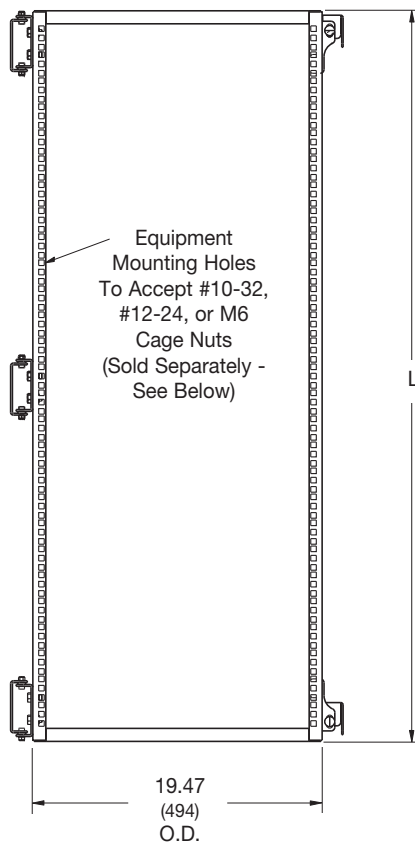
Type 4 Panel Enclosures

Free-Standing Enclosure Accessories Frames & Fasteners Illustration Sheet and Catalog Number

Discount Schedule: C2
Subclass: DSO

Swing-Out Rack Mounted Frame				
Catalog Number	Fits Enclosure Height		L	
	in.	mm	in.	mm
ES-48SORMF	48	1219	36.91	937
ES-60SORMF	60	1524	49.16	1248
ES-72SORMF	72	1829	59.66	1515
ES-90SORMF	90	2286	77.18	1960

Heavy Duty Swing-Out Rack Mounting Frames are designed for mounting 19" (482mm) equipment in free standing enclosures. A **Center Post Assembly, "AFxxCPS"** on page 181 and **Panel Mounting Center Bracket, "AFCBRKT3"** on page 184, (each sold separately) are required when mounting in any double door enclosure. Mounting holes are spaced per the "EIA" Standard and are provided to accept #10-32, #12-24, or M6 cage nuts (sold in packages of 100). Swing-Out Rack Mounting frames have white powder coated finish.



Hole Pattern

- A = 1.75 (44)
- B = .625 (16)
- C = .500 (13)
- D = .295 (7)
- E = .250 (6)

Type 4 Panel Enclosures

Screws & Cage Nuts		
Catalog Number	Description	Finish
Screws		
E2MA1032PHMS100	#10-32 Phillips	Clear Zinc
E2MA1224PHMS100	#12-24 Phillips	Clear Zinc
E2MAM6PHMS100	M6 Phillips	Yellow Zinc
Cage Nuts		
E2MACN1032100	#10-32 Threads	Clear Zinc
E2MACN1224100	#12-24 Threads	Clear Zinc
E2MACNM6100	M6 Threads	Yellow Zinc

Sold in bags of (100)



Screws



Cage Nuts

Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Type 4 Panel Enclosures

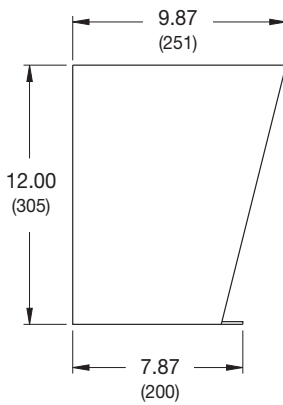
Free-Standing Enclosure Accessories Floor Stand & Stabilizer Kits Illustration Sheet and Catalog Number

Discount Schedule: C2
Subclass: DS0

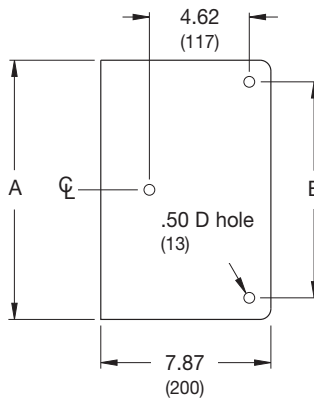


Floor Stand Kits						
Catalog Number	A		B		C	
	in.	mm	in.	mm	in.	mm
MFK12	12.0	305	10.06	256	-	-
MFK16	16.0	406	14.06	357	-	-
MFK20	20.0	508	18.06	459	8.00	203
MFK24	24.0	610	22.06	560	10.00	254

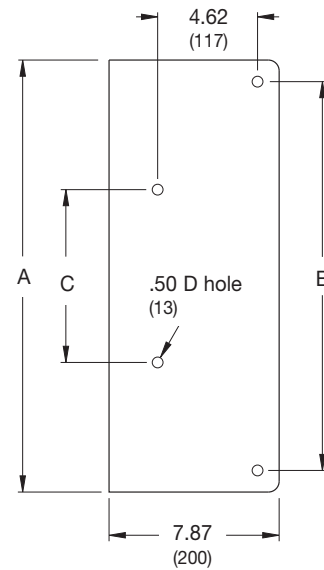
Floor Stand Kits are intended for use with EnviroShield™ Type 4X, Type 4 and Type 12 Enclosures where floor support is required. Each kit consists of two (10) gauge legs and hardware for mounting. At the base of each leg is a prepunched plate (see drawing). Steel kits have a gray polyester powder paint finish. Stainless steel kits are fabricated from 304 stainless steel. Standard Floor Stand Kits are 12 inches (305 mm) high. For special heights, special material or non-standard construction consult the factory.



Floor Stand Kit



Base 12 - 16 Deep



Base 20 - 24 Deep

Type 4 Panel Enclosures

Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

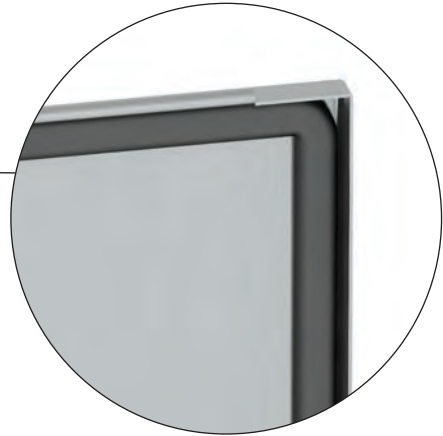


Type 4X Panel Enclosures

JIC Enclosures Type 4X Lift-Off Cover	192-193
JIC Enclosures Type 4X Lift-Off Cover, Aluminum	194-195
JIC Enclosures Type 4X JIC Continuous Hinge Cover	196-197
JIC Enclosures Type 4X JIC Continuous Hinge Cover Aluminum	198-199
JIC Enclosures Type 4X JIC Continuous Hinge Cover Quarter-Turn Latches	200-201
Wall-Mount Enclosures Type 4X Single-Door	202-203
Wall-Mount Enclosures Type 4X Single-Door, Aluminum	204-205
Wall-Mount Enclosures Type 4X Premier™ Quarter-Turn Latches	206-209
Premier™ Series Accessories	210-215
Wall-Mount Enclosures Type 4X Single-Door 3-Point Locking	216-217
Wall-Mount Enclosures Type 4X Double-Door 3-Point Locking	218-219
Ground-Mount Enclosures Type 4X Double-Door Floor Standing	220-221
Ground-Mount Enclosures Type 4X Double-Door Floor Standing, Aluminum	222-223
Ground-Mount Enclosures Type 4X Double-Door Floor-Standing Quarter-Turn Latches	224-225
Ground-Mount Enclosures Type 4X Double-Door Floor-Standing 3-Point Locking	226-227
Ground-Mount Enclosures Type 4X Single-Door Free-Standing	228-229
Ground-Mount Enclosures Type 4X Single-Door Free-Standing Quarter-Turn Latches	230-231
Ground-Mount Enclosures Type 4X Single-Door Free-Standing 3-Point Locking	232-233
Ground-Mount Enclosures Type 4X Single-Door Dual Access Free-Standing 3-Point Locking	234-235
Ground-Mount Enclosures Type 4X Double-Door Free-Standing 3-Point Locking	236-237
Ground-Mount Enclosures Type 4X Double-Door Dual Access Free-Standing 3-Point Locking	238-239
Ground-Mount Enclosures Type 4X Double-Door EnviroShield™ Free-Standing 3-Point Locking	240-241
Free-Standing Enclosure Accessories	242-254

Type 4X Panel Enclosures

JIC Enclosures Type 4X Lift-Off Cover Data Sheet



Seamless, poured in-place gasket

Application

- Houses electrical controls and instruments
- Intended for indoor or outdoor use where a corrosive environment exists
- Protects against corrosion, windblown dust and rain, splashing water and hose directed water

Standards

- UL 508 listed, Type 4X, Type 4, Type 12 and Type 13
- CSA C22.2 No.94 certified, Type 4X, Type 4, Type 12 and Type 13
- Conforms to NEMA standard for Type 4X, Type 4, Type 12 and Type 13
- Conforms to JIC standard EGP-1-1967
- Meets NEMA 3RX requirements

Finish

- Cover and sides of body have a smooth #4 brushed finish

Accessories

- Panels
- JIC terminal strap kit
- JIC terminal strip kit
- Terminal blocks
- See Accessories section

Construction

- Enclosure and cover are fabricated from (16) gauge, Type 304 or Type 316L stainless steel
- All continuous welded seams are finished smooth
- Cover is secured to the body with easy-to-operate stainless steel screw clamps mounted on all four sides
- Cover has a seamless poured in-place gasket
- #10-32 weldnuts are provided for mounting optional panel on 6" x 4" and larger enclosures
- External mounting feet are provided for secure wall mounting

Discount Schedule: C2

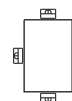
Subclass: D10 & DDO

Notes: Cooper B-Line can provide special sizes, finishes and other modifications. Consult the factory for your special requirements.

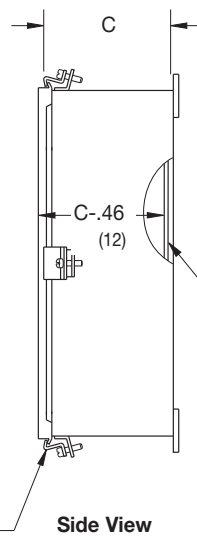
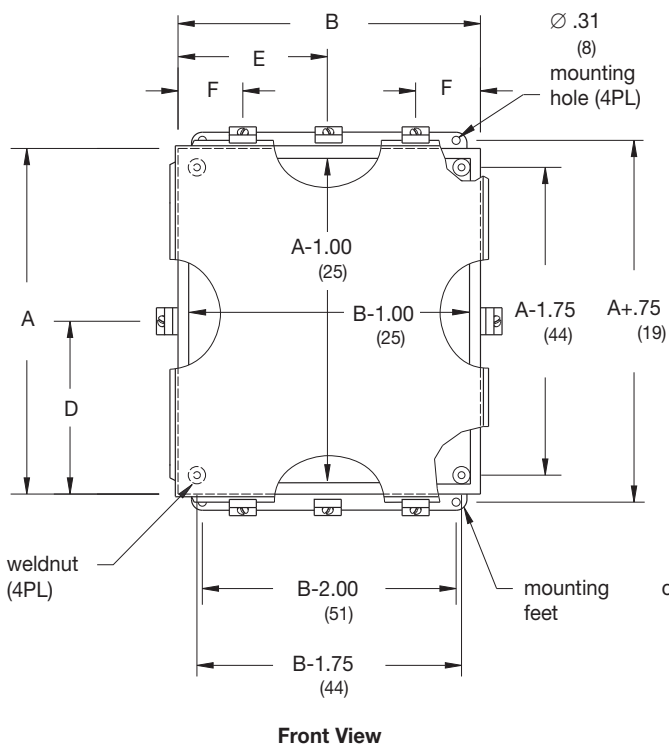
Type 4X Panel Enclosures

JIC Enclosures Type 4X Lift-Off Cover Illustration Sheet and Catalog Number

Enclosure Catalog Number Stainless Steel		Enclosure Size Height x Width x Depth A x B x C		D		E		F		Panel Catalog Number		Panel Size Height x Width	
Type 304	Type 316L	in.	mm	in.	mm	in.	mm	in.	mm	Steel	Conductive	in.	mm
443-4XSLLC	443-4XS6LC	4.00 x 4.00 x 3.00	102 x 102 x 76	2.00	51	2.00	51	-	-	-	-	-	-
643-4XSLLC	643-4XS6LC	6.00 x 4.00 x 3.00	152 x 102 x 76	3.00	76	2.00	51	-	-	AW64P	AW64GP	4.87 x 2.87	124 x 73
664-4XSLLC	664-4XS6LC	6.00 x 6.00 x 4.00	152 x 152 x 102	3.00	76	3.00	76	-	-	AW66P	AW66GP	4.87 x 4.87	124 x 124
864-4XSLLC	864-4XS6LC	8.00 x 6.00 x 4.00	203 x 152 x 102	-	-	-	-	2.00	51	AW86P	AW86GP	6.87 x 4.87	174 x 124
884-4XSLLC	884-4XS6LC	8.00 x 8.00 x 4.00	203 x 203 x 102	-	-	-	-	2.00	51	AW88P	AW88GP	6.87 x 6.87	174 x 174
1084-4XSLLC	1084-4XS6LC	10.00 x 8.00 x 4.00	254 x 203 x 102	-	-	-	-	2.00	51	AW108P	AW108GP	8.87 x 6.87	225 x 174
12105-4XSLLC	12105-4XS6LC	12.00 x 10.00 x 5.00	305 x 254 x 127	-	-	-	-	3.00	76	AW1210P	AW1210GP	10.87 x 8.87	276 x 225
14126-4XSLLC	14126-4XS6LC	14.00 x 12.00 x 6.00	356 x 305 x 152	-	-	-	-	3.00	76	AW1412P	AW1412GP	12.87 x 10.87	327 x 276
16146-4XSLLC	16146-4XS6LC	16.00 x 14.00 x 6.00	406 x 356 x 152	-	-	-	-	3.00	38	AW1614P	AW1614GP	14.87 x 12.87	378 x 327



443-4XSLLC
643-4XSLLC
664-4XSLLC



864-4XSLLC
884-4XSLLC
1084-4XSLLC
12105-4XSLLC
14126-4XSLLC
16146-4XSLLC

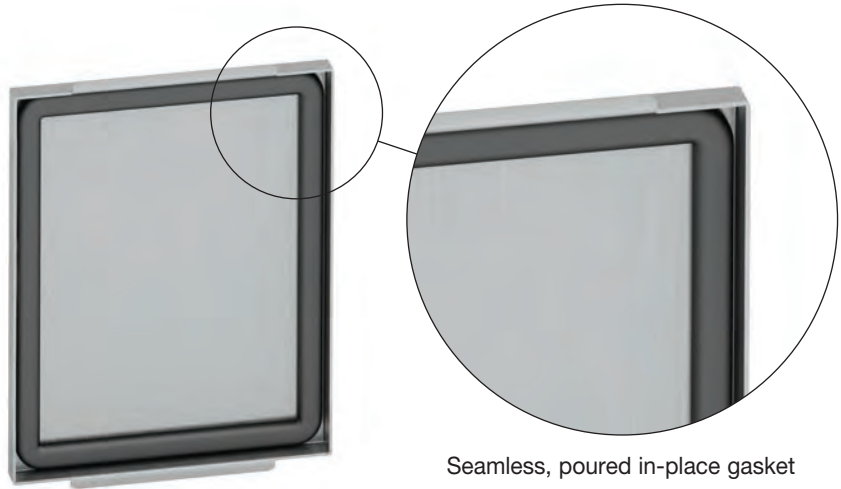
Cover Clamp Layout

optional panel

Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Type 4X Panel Enclosures

JIC Enclosures Type 4X Lift-Off Cover, Aluminum Data Sheet



Seamless, poured in-place gasket

Application

- Houses electrical controls and instruments
- Intended for indoor or outdoor use where a corrosive environment exists
- Protects against corrosion, windblown dust and rain, splashing water and hose directed water

Standards

- UL 508 listed, Type 4, Type 4X, Type 12 and Type 13
- CSA C22.2 No.94 certified, Type 4, Type 4X, Type 12 and Type 13
- Conforms to NEMA standard for Type 4, Type 4X, Type 12 and Type 13
- Conforms to JIC standard EGP-1-1967
- Meets NEMA 3RX requirements

Finish

- Cover and sides of body have a smooth #4 brushed finish

Accessories

- Panels
- JIC terminal strap kit
- JIC terminal strip kit
- Terminal blocks
- See Accessories section

Construction

- Enclosure and cover are fabricated from (14) gauge, Type 5052-H32 aluminum
- All continuous welded seams are finished smooth
- Cover is secured to the body with easy-to-operate stainless steel screw clamps mounted on all four sides
- Each door has a print pocket and padlock hasp with sealing hole provision
- Cover has a seamless poured in-place gasket
- #10-32 weldnuts are provided for mounting optional panel on 6" x 4" and larger enclosures
- External mounting feet are provided for secure wall mounting

Discount Schedule: C2

Subclass: DDO

Notes: Cooper B-Line can provide special sizes, finishes and other modifications. Consult the factory for your special requirements.

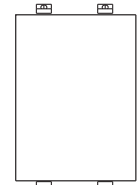
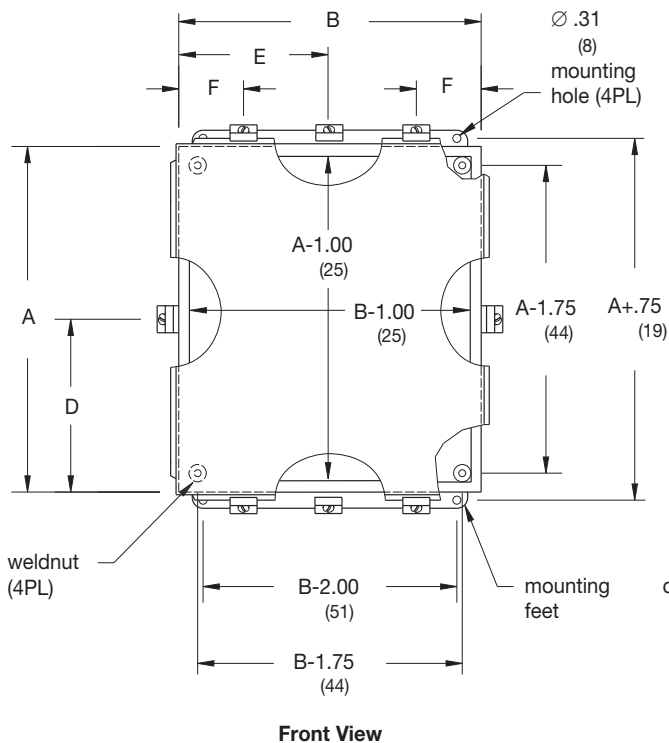
Type 4X Panel Enclosures

JIC Enclosures Type 4X Lift-Off Cover, Aluminum Illustration Sheet and Catalog Number

Enclosure Catalog Number	Enclosure Size Height x Width x Depth A x B x C		D		E		F		Panel Catalog Number		Panel Size Height x Width	
	in.	mm	in.	mm	in.	mm	in.	mm	Steel	Conductive	in.	mm
443-4XALC	4.00	102	2.00	51	2.00	51	-	-	-	-	-	-
643-4XALC	6.00	152	3.00	76	2.00	51	-	-	AW64P	AW64GP	4.87 x 2.87	124 x 73
664-4XALC	6.00	152	3.00	76	3.00	76	-	-	AW66P	AW66GP	4.87 x 4.87	124 x 124
864-4XALC	8.00	203	-	-	-	-	2.00	51	AW86P	AW86GP	6.87 x 4.87	174 x 124
884-4XALC	8.00	203	-	-	-	-	2.00	51	AW88P	AW88GP	6.87 x 6.87	174 x 174
1084-4XALC	10.00	254	-	-	-	-	2.00	51	AW108P	AW108GP	8.87 x 6.87	225 x 174
12105-4XALC	12.00	305	-	-	-	-	3.00	76	AW1210P	AW1210GP	10.87 x 8.87	276 x 225
14126-4XALC	14.00	356	-	-	-	-	3.00	76	AW1412P	AW1412GP	12.87 x 10.87	327 x 276
16146-4XALC	16.00	406	-	-	-	-	3.00	76	AW1614P	AW1614GP	14.87 x 12.87	378 x 327



443-4XALC
643-4XALC
664-4XALC



864-4XALC
884-4XALC
1084-4XALC
12105-4XALC
14126-4XALC
16146-4XALC

Cover Clamp Layout

optional panel

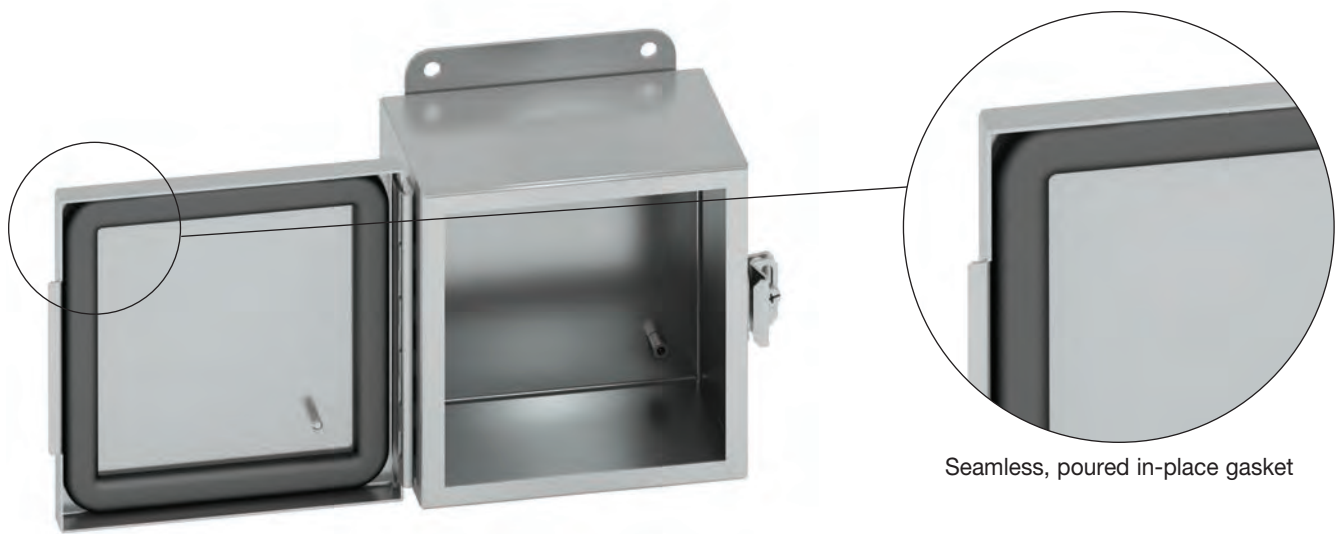
Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Type 4X Panel Enclosures

JIC Enclosures

Type 4X Continuous Hinge Cover

Data Sheet



Seamless, poured in-place gasket

Application

- Houses electrical controls and instruments
- Intended for indoor or outdoor use where a corrosive environment exists
- Protects against corrosion, windblown dust and rain, splashing water and hose directed water

Standards

- UL 508 listed, Type 4, Type 4X, Type 12 and Type 13
- CSA C22.2 No.94 certified, Type 4, Type 4X, Type 12 and Type 13
- Conforms to NEMA standard for Type 4, Type 4X, Type 12 and Type 13
- Conforms to JIC standard EGP-1-1967
- Meets NEMA 3RX requirements

Finish

- Cover and sides of body have a smooth #4 brushed finish

Accessories

- Panels
- JIC terminal strap kit
- JIC terminal strip kit
- Terminal blocks
- See Accessories section

Construction

- Enclosure and cover are fabricated from (16) gauge, Type 304 or Type 316L stainless steel
- All continuous welded seams are finished smooth
- Cover is secured to the body with a stainless steel continuous hinge and pin on one side and easy-to-operate stainless steel screw clamps mounted to the opposite side
- Cover has a seamless poured in-place gasket
- Ground stud provided on cover
- #10-32 weldnuts are provided for mounting optional panel
- External mounting feet are provided for secure wall mounting

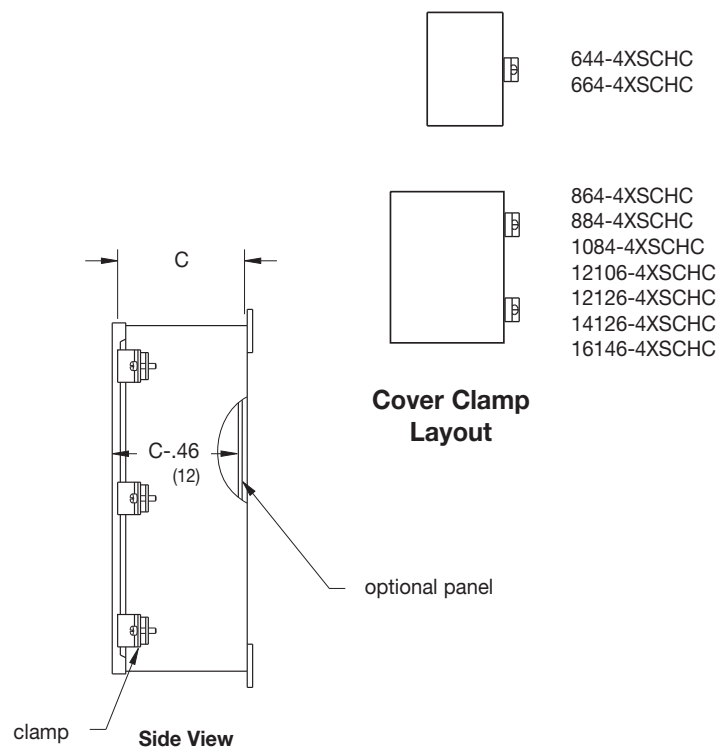
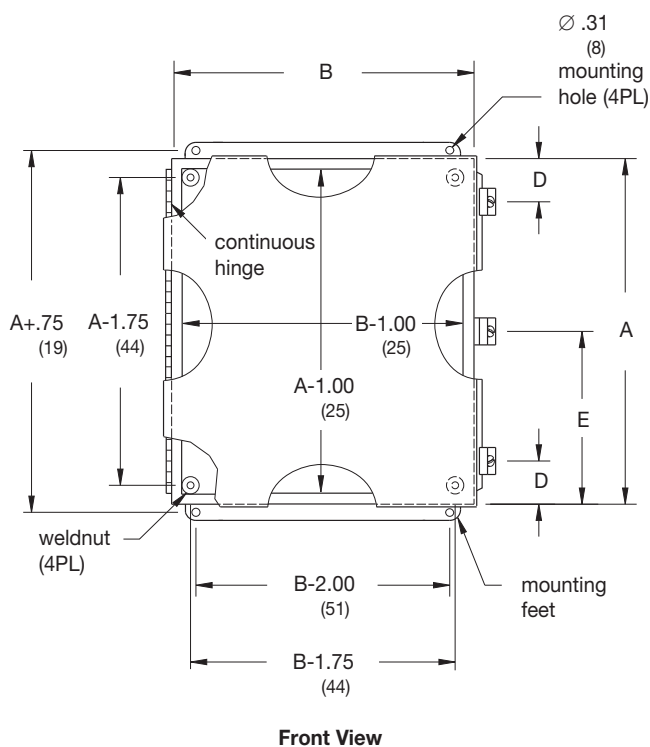
Discount Schedule: C2

Subclass: D10 & DDO

Notes: Cooper B-Line can provide special sizes, finishes and other modifications. Consult the factory for your special requirements.

JIC Enclosures Type 4X Continuous Hinge Cover Illustration Sheet and Catalog Number

Enclosure Catalog Number Stainless Steel		Enclosure Size Height x Width x Depth A x B x C		D		E		Panel Catalog Number		Panel Size Height x Width	
Type 304	Type 316L	in.	mm	in.	mm	in.	mm	Steel	Conductive	in.	mm
644-4XSCHC	644-4XSS6CHC	6.00 x 4.00 x 4.00	152 x 102 x 102	-	-	3.00	76	AW64P	AW64GP	4.87 x 2.87	124 x 73
664-4XSCHC	664-4XSS6CHC	6.00 x 6.00 x 4.00	152 x 152 x 102	-	-	3.00	76	AW66P	AW66GP	4.87 x 4.87	124 x 124
864-4XSCHC	864-4XSS6CHC	8.00 x 6.00 x 4.00	203 x 152 x 102	2.00	51	-	-	AW86P	AW86GP	6.87 x 4.87	174 x 124
884-4XSCHC	884-4XSS6CHC	8.00 x 8.00 x 4.00	203 x 203 x 102	2.00	51	-	-	AW88P	AW88GP	6.87 x 6.87	174 x 174
1084-4XSCHC	1084-4XSS6CHC	10.00 x 8.00 x 4.00	254 x 203 x 102	2.00	51	-	-	AW108P	AW108GP	8.87 x 6.87	225 x 174
12106-4XSCHC	12106-4XSS6CHC	12.00 x 10.00 x 6.00	305 x 254 x 152	3.00	76	-	-	AW1210P	AW1210GP	10.87 x 8.87	276 x 225
12126-4XSCHC	12126-4XSS6CHC	12.00 x 12.00 x 6.00	305 x 305 x 152	3.00	76	-	-	AW1212P	AW1212GP	10.87 x 10.87	276 x 276
14126-4XSCHC	14126-4XSS6CHC	14.00 x 12.00 x 6.00	356 x 305 x 152	3.00	76	-	-	AW1412P	AW1412GP	12.87 x 10.87	327 x 276
16146-4XSCHC	16146-4XSS6CHC	16.00 x 14.00 x 6.00	406 x 356 x 152	3.00	76	-	-	AW1614P	AW1614GP	14.87 x 12.87	376 x 327



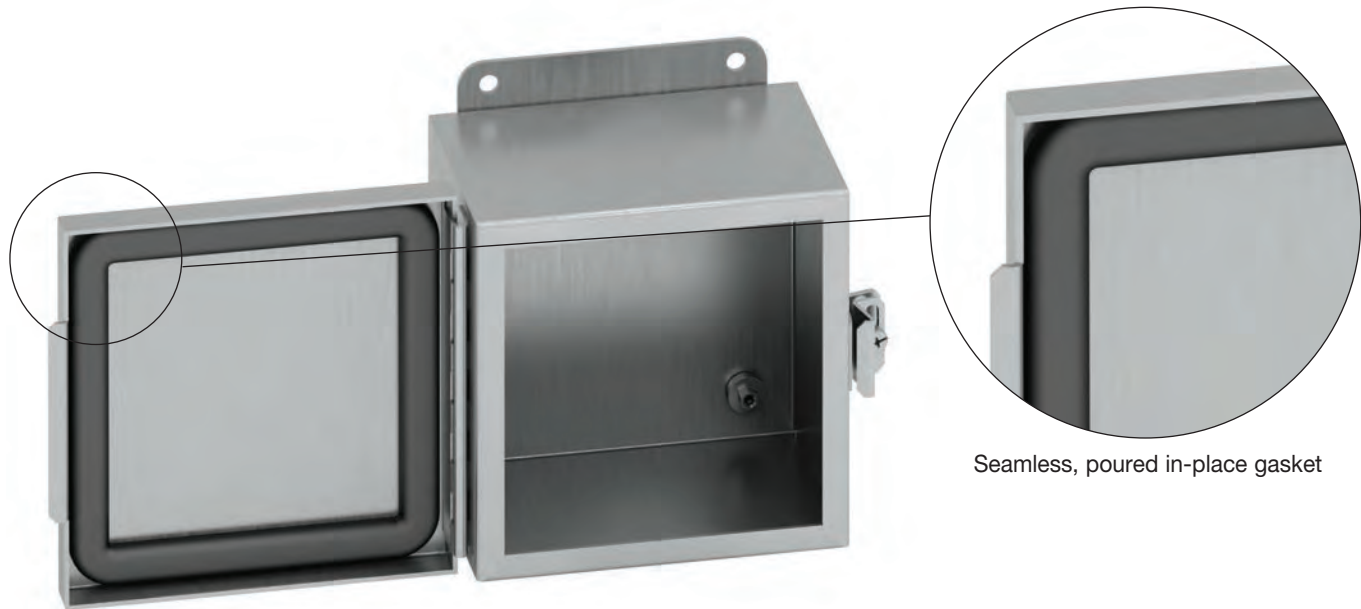
Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Type 4X Panel Enclosures

JIC Enclosures

Type 4X Continuous Hinge Cover, Aluminum

Data Sheet



Seamless, poured in-place gasket

Application

- Houses electrical controls and instruments
- Intended for indoor or outdoor use where a corrosive environment exists
- Protects against corrosion, windblown dust and rain, splashing water and hose directed water

Standards

- UL 508 listed, Type 4, Type 4X, Type 12 and Type 13
- CSA C22.2 No.94 certified, Type 4, Type 4X, Type 12 and Type 13
- Conforms to NEMA standard for Type 4, Type 4X, Type 12 and Type 13
- Conforms to JIC standard EGP-1-1967
- Meets NEMA 3RX requirements

Finish

- Cover and sides of body have a smooth #4 brushed finish

Accessories

- Panels
- JIC terminal strap kit
- JIC terminal strip kit
- Terminal blocks
- See Accessories section

Construction

- Enclosure and cover are fabricated from (14) gauge, Type 5052-H32 aluminum
- All continuous welded seams are finished smooth
- Cover is secured to the body with an aluminum continuous hinge and pin on one side and easy-to-operate stainless steel screw clamps mounted to the opposite side
- Cover has a seamless poured in-place gasket
- #10-32 weldnuts are provided for mounting optional panel
- External mounting feet are provided for secure wall mounting

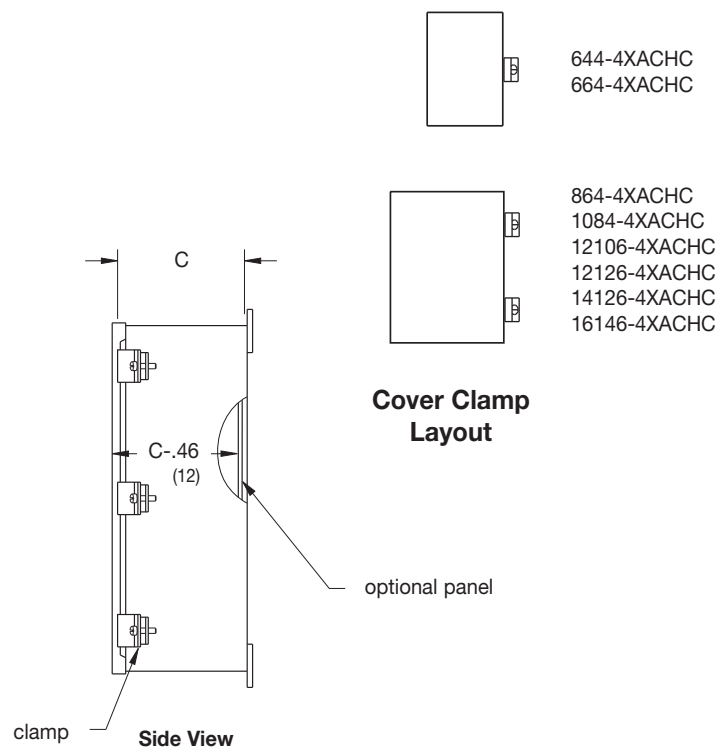
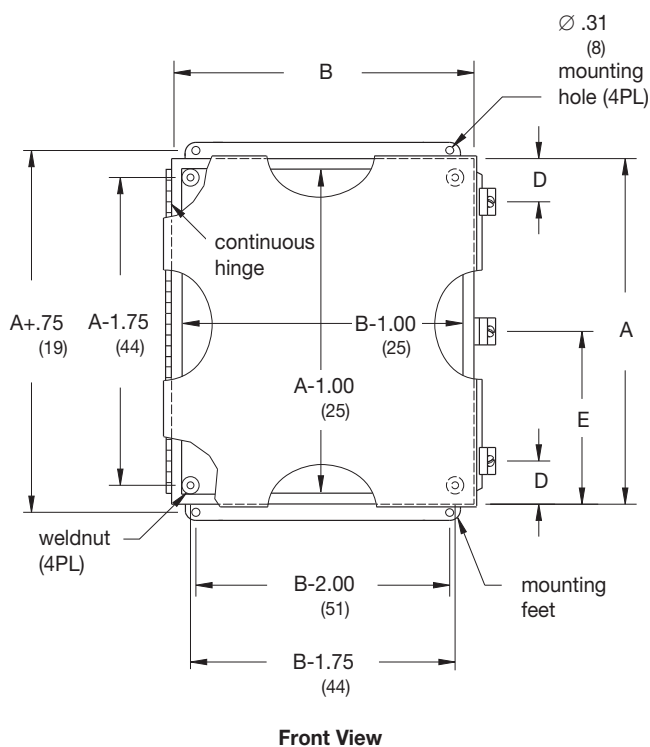
Discount Schedule: C2

Subclass: DDO

Notes: Cooper B-Line can provide special sizes, finishes and other modifications. Consult the factory for your special requirements.

JIC Enclosures Type 4X Continuous Hinge Cover, Aluminum Illustration Sheet and Catalog Number

Enclosure Catalog Number	Enclosure Size Height x Width x Depth A x B x C		D		E		Panel Catalog Number		Panel Size Height x Width	
	in.	mm	in.	mm	in.	mm	Steel	Conductive	in.	mm
644-4XACHC	6.00 x 4.00 x 4.00	152 x 102 x 102	-	-	3.00	76	AW64P	AW64GP	4.87 x 2.87	124 x 73
664-4XACHC	6.00 x 6.00 x 4.00	152 x 152 x 102	-	-	3.00	76	AW66P	AW66GP	4.87 x 4.87	124 x 124
864-4XACHC	8.00 x 6.00 x 4.00	203 x 152 x 102	2.00	51	-	-	AW86P	AW86GP	6.87 x 4.87	174 x 124
1084-4XACHC	10.00 x 8.00 x 4.00	254 x 203 x 102	2.00	51	-	-	AW108P	AW108GP	8.87 x 6.87	225 x 174
12106-4XACHC	12.00 x 10.00 x 6.00	305 x 254 x 152	3.00	76	-	-	AW1210P	AW1210GP	10.87 x 8.87	276 x 225
12126-4XACHC	12.00 x 12.00 x 6.00	305 x 305 x 152	3.00	76	-	-	AW1212P	AW1212GP	10.87 x 10.87	276 x 276
14126-4XACHC	14.00 x 12.00 x 6.00	356 x 305 x 152	3.00	76	-	-	AW1412P	AW1412GP	12.87 x 10.87	327 x 276
16146-4XACHC	16.00 x 14.00 x 6.00	406 x 356 x 152	3.00	76	-	-	AW1614P	AW1614GP	14.87 x 12.87	378 x 327



Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Type 4X Panel Enclosures

JIC Enclosures

Type 4X Continuous Hinge Cover with Quarter-Turn Latches

Data Sheet



Application

- Houses electrical controls and instruments
- Intended for indoor or outdoor use where a corrosive environment exists
- Protects against windblown dust and rain, splashing water and hose directed water

Standards

- UL 508 Listed, Type 3R, Type 4, Type 4X, Type 12
- CSA C22.2 No.94 certified, Type 3R, Type 4, Type 4X, Type 12
- Conforms to NEMA Standards for Type 3, Type 3R, Type 4, Type 4X, Type 12
- Conforms to JIC standards EGP-1-1967
- Meets NEMA 3RX requirements

Finish

- Cover and sides of body have a smooth #4 brushed finish

Accessories

- Panels
- Swing-out panel kits
- JIC terminal kits
- Window kits
- Locks and latches

Construction

- Enclosure and cover are fabricated from (16) gauge stainless steel
- All continuous welded seams are finished smooth
- Stainless steel continuous hinge and pin
- Slotted quarter-turn flush latch(es)
- Cover has a seamless poured in-place gasket
- Ground stud provided on cover
- #10-32 weldnuts are provided for mounting optional panel
- External mounting feet

Discount Schedule: C2

Subclass: DDO

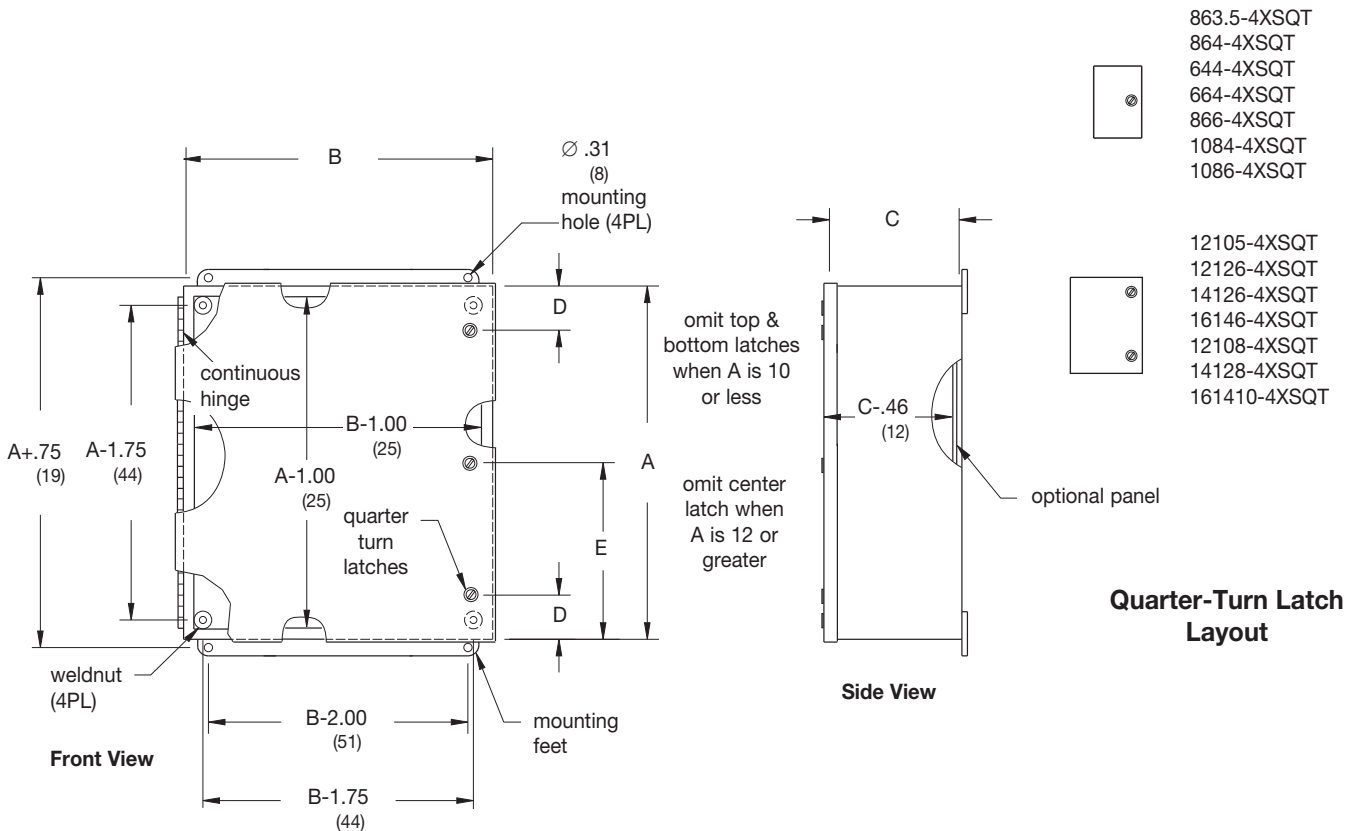
Notes: Cooper B-Line can provide special sizes, finishes and other modifications. Consult the factory for your special requirements.

JIC Enclosures

Type 4X Continuous Hinge Cover with Quarter-Turn Latches

Illustration Sheet and Catalog Number

Enclosure Catalog Number	Enclosure Size Height x Width x Depth A x B x C		D		E		Panel Catalog Number		Panel Size Height x Width	
	in.	mm	in.	mm	in.	mm	Steel	Conductive	in.	mm
644-4XSQT	6 x 4 x 4	152 x 102 x 102	-	-	3	76	AW64P	AW64GP	4.87 x 2.87	ZZZ x ZZZ
664-4XSQT	6 x 6 x 4	152 x 152 x 102	-	-	3	76	AW66P	AW66GP	4.87 x 4.87	ZZZ x ZZZ
863.5-4XSQT	8 x 6 x 3.5	203 x 152 x 89	-	-	4	101	AW86P	AW86GP	6.87x4.87	ZZZ x ZZZ
864-4XSQT	8 x 6 x 4	203 x 152 x 102	-	-	4	101	AW86P	AW86GP	6.87x4.87	ZZZ x ZZZ
1084-4XSQT	10 x 8 x 4	254 x 203 x 102	-	-	5	127	AW108P	AW108GP	8.87x6.87	ZZZ x ZZZ
12105-4XSQT	12 x 10 x 5	305 x 254 x zzz	3	76	-	-	AW1210P	AW1210GP	10.87x8.87	ZZZ x ZZZ
866-4XSQT	8 x 6 x 6	203 x 152 x 152	-	-	4	101	AW86P	AW86GP	6.87x4.87	ZZZ x ZZZ
1086-4XSQT	10 x 8 x 6	254 x 203 x 152	-	-	5	127	AW108P	AW108GP	8.87x6.87	ZZZ x ZZZ
12126-4XSQT	12 x 12 x 6	305 x 305 x 152	3	76	-	-	AW1212P	AW1212GP	10.87x10.87	ZZZ x ZZZ
14126-4XSQT	14 x 12 x 6	355 x 305 x 152	3	76	-	-	AW1412P	AW1412GP	12.87x10.87	ZZZ x ZZZ
16146-4XSQT	16 x 14 x 6	406 x 355 x 152	3	76	-	-	AW1614P	AW1614GP	14.87x12.87	ZZZ x ZZZ
12108-4XSQT	12 x 10 x 8	305 x 254 x 203	3	76	-	-	AW1210P	AW1210GP	10.87x8.87	ZZZ x ZZZ
14128-4XSQT	14 x 12 x 8	355 x 305 x 203	3	76	-	-	AW1412P	AW1412GP	12.87x10.87	ZZZ x ZZZ
161410-4XSQT	16 x 14 x 10	406 x 355 x 254	3	76	-	-	AW1614P	AW1614GP	14.87x12.87	ZZZ x ZZZ



Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Type 4X Panel Enclosures

Wall-Mount Enclosures Type 4X Single-Door Data and Illustration Sheet



Application

- Houses electrical controls and instruments
- Intended for indoor or outdoor use where a corrosive environment exists
- Protects against corrosion, windblown dust and rain, splashing water and hose directed water

Standards

- UL 508 listed, Type 4, Type 4X, Type 12 and Type 13
- CSA C22.2 No.94 certified, Type 4, Type 4X, Type 12 and Type 13
- Conforms to NEMA standard for Type 4, Type 4X, Type 12 and Type 13

Construction

- Enclosure and door are fabricated from (14) gauge, Type 304 or Type 316L stainless steel
- All continuous welded seams are finished smooth
- Doors are secured to the body with a heavy-duty, stainless steel continuous hinge and pin on one side and easy to release stainless steel door clamps mounted to the other three sides
- Each door has a padlock hasp with sealing hole provision
- Print pocket provided
- Door has a seamless poured in-place gasket
- Ground stud provided on door
- Formed lip around enclosure opening diverts liquids and contaminants
- .375-16 collar studs are provided for mounting optional panel
- External mounting feet are provided for secure wall mounting

Finish

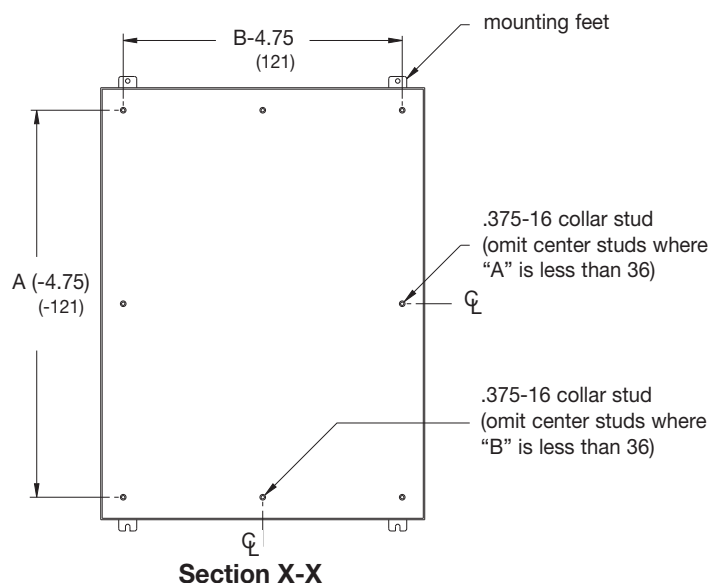
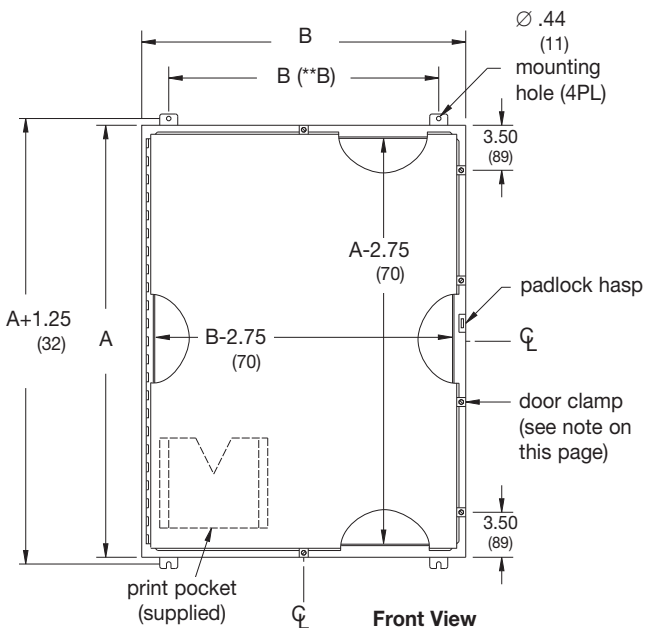
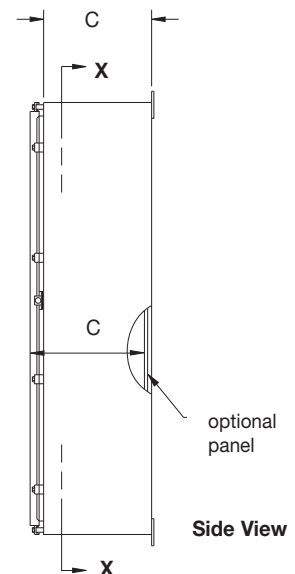
- Door and sides of body have a smooth #4 brushed finish

Accessories

- Panels
- NEMA terminal strap kit
- Terminal blocks
- Floor stand kit
- See Accessories section

Discount Schedule: C2

Subclass: DGO & D00



Notes: Dimensions: **B = (-2.50) if 12 inches wide; (-6.00) if wider than 12 inches.

Cooper B-Line can provide special sizes, finishes and other modifications. Consult the factory for your special requirements.

Type 4X Panel Enclosures

Wall-Mount Enclosures Type 4X Single-Door Catalog Number

Enclosure Catalog Number Stainless Steel		Enclosure Size Height x Width x Depth A x B x C		Panel Catalog Number		Panel Size Height x Width	
Type 304	Type 316L	in.	mm	Steel	Conductive	in.	mm
16126-4XS	16126-4XSS6	16.00 x 12.00 x 6.00	406 x 305 x 152	AW1612P	AW1612GP	13.00 x 9.00	330 x 229
16166-4XS	16166-4XSS6	16.00 x 16.00 x 6.00	406 x 406 x 152	AW1616P	AW1616GP	13.00 x 13.00	330 x 330
16206-4XS	16206-4XSS6	16.00 x 20.00 x 6.00	406 x 508 x 152	AW2016P	AW2016GP	17.00 x 13.00	432 x 330
20166-4XS	20166-4XSS6	20.00 x 16.00 x 6.00	208 x 406 x 152	AW2016P	AW2016GP	17.00 x 13.00	432 x 330
20206-4XS	20206-4XSS6	20.00 x 20.00 x 6.00	508 x 508 x 152	AW2020P	AW2020GP	17.00 x 17.00	432 x 432
24126-4XS	24126-4XSS6	24.00 x 12.00 x 6.00	610 x 305 x 152	AW2412P	--	21.00 x 9.00	533 x 229
24166-4XS	24166-4XSS6	24.00 x 16.00 x 6.00	610 x 406 x 152	AW2416P	AW2416GP	21.00 x 13.00	533 x 330
24206-4XS	24206-4XSS6	24.00 x 20.00 x 6.00	610 x 508 x 152	AW2420P	AW2420GP	20.87 x 16.87	530 x 428
24246-4XS	24246-4XSS6	24.00 x 24.00 x 6.00	610 x 610 x 152	AW2424P	AW2424GP	20.87 x 20.87	530 x 530
30246-4XS	30246-4XSS6	30.00 x 24.00 x 6.00	762 x 610 x 152	AW3024P	AW3024GP	26.87 x 20.87	682 x 530
36246-4XS	36246-4XSS6	36.00 x 24.00 x 6.00	914 x 610 x 152	AW3624P	AW3624GP	32.87 x 20.87	835 x 530
16128-4XS	16128-4XSS6	16.00 x 12.00 x 8.00	406 x 305 x 203	AW1612P	AW1612GP	13.00 x 9.00	330 x 229
20168-4XS	20168-4XSS6	20.00 x 16.00 x 8.00	508 x 406 x 203	AW2016P	AW2016GP	17.00 x 13.00	432 x 330
20208-4XS	20208-4XSS6	20.00 x 20.00 x 8.00	508 x 508 x 203	AW2020P	AW2020GP	17.00 x 17.00	432 x 432
20248-4XS	20248-4XSS6	20.00 x 24.00 x 8.00	508 x 610x203	AW2420P	AW2420GP	32.87 x 26.87	835 x 682
24168-4XS	24168-4XSS6	24.00 x 16.00 x 8.00	610 x 406 x 203	AW2416P	AW2416GP	21.00 x 13.00	533 x 330
24208-4XS	24208-4XSS6	24.00 x 20.00 x 8.00	610 x 508 x 203	AW2420P	AW2420GP	20.87 x 16.87	530 x 428
24248-4XS	24248-4XSS6	24.00 x 24.00 x 8.00	610 x 610 x 203	AW2424P	AW2424GP	20.87 x 20.87	530 x 530
24308-4XS	24308-4XSS6	24.00 x 30.00 x 8.00	610 x 762 x 203	AW3024P	AW3024GP	26.87 x 20.87	682 x 530
30208-4XS	30208-4XSS6	30.00 x 20.00 x 8.00	762 x 508 x 203	AW3020P	AW3020GP	26.87 x 16.87	682 x 428
30248-4XS	30248-4XSS6	30.00 x 24.00 x 8.00	762 x 610 x 203	AW3024P	AW3024GP	26.87 x 20.87	682 x 530
30308-4XS	30308-4XSS6	30.00 x 30.00 x 8.00	762 x 762 x 203	AW3030P	AW3030GP	26.87 x 26.87	682 x 682
36248-4XS	36248-4XSS6	36.00 x 24.00 x 8.00	914 x 610 x 203	AW3624P	AW3624GP	32.87 x 20.87	835 x 530
36308-4XS	36308-4XSS6	36.00 x 30.00 x 8.00	914 x 762 x 203	AW3630P	AW3630GP	32.87 x 26.87	835 x 682
42308-4XS	42308-4XSS6	42.00 x 30.00 x 8.00	1067 x 762 x 203	AW4230P	AW4230GP	38.87 x 26.87	987 x 682
42368-4XS	42368-4XSS6	42.00 x 36.00 x 8.00	1067 x 914 x 203	AW4236P	AW4236GP	38.87 x 32.87	987 x 835
48368-4XS	48368-4XSS6	48.00 x 36.00 x 8.00	1219 x 914 x 203	AW4836P	AW4836GP	44.87 x 32.87	1140 x 835
201610-4XS	201610-4XSS6	20.00 x 16.00 x 10.00	508 x 406 x 254	AW2016P	AW2016GP	17.00 x 13.00	432 x 330
242010-4XS	242010-4XSS6	24.00 x 20.00 x 10.00	610 x 508 x 254	AW2420P	AW2420GP	20.87 x 16.87	530 x 428
302410-4XS	302410-4XSS6	30.00 x 24.00 x 10.00	762 x 610 x 254	AW3024P	AW3024GP	26.87 x 20.87	682 x 530
362410-4XS	362410-4XSS6	36.00 x 24.00 x 10.00	914 x 610 x 254	AW3624P	AW3624GP	32.87 x 20.87	835 x 530
363010-4XS	363010-4XSS6	36.00 x 30.00 x 10.00	914 x 762 x 254	AW3630P	AW3630GP	32.87 x 26.87	835 x 682
423010-4XS	423010-4XSS6	42.00 x 30.00 x 10.00	1067 x 762 x 254	AW4230P	AW4230GP	38.87 x 26.87	987 x 682
483010-4XS	483010-4XSS6	48.00 x 30.00 x 10.00	1219 x 762 x 254	AW4830P	AW4830GP	44.87 x 26.87	1140 x 682
483610-4XS	483610-4XSS6	48.00 x 36.00 x 10.00	1219 x 914 x 254	AW4836P	AW4836GP	44.87 x 32.87	1140 x 835
603610-4XS	603610-4XSS6	60.00 x 36.00 x 10.00	1524 x 914 x 254	AW6036P	AW6036GP	56.87 x 32.87	1444 x 835
242412-4XS	242412-4XSS6	24.00 x 24.00 x 12.00	610 x 610 x 305	AW2424P	AW2424GP	20.87 x 20.87	530 x 530
302412-4XS	302412-4XSS6	30.00 x 24.00 x 12.00	762 x 610 x 305	AW3024P	AW3024GP	26.87 x 20.87	682 x 530
363012-4XS	363012-4XSS6	36.00 x 30.00 x 12.00	914 x 762 x 305	AW3630P	AW3630GP	32.87 x 26.87	835 x 682
363612-4XS	363612-4XSS6	36.00 x 36.00 x 12.00	914 x 914 x 305	AW3636P	--	32.87 x 32.87	835 x 835
483612-4XS	483612-4XSS6	48.00 x 36.00 x 12.00	1219 x 914 x 305	AW4836P	AW4836GP	44.87 x 32.87	1140 x 835
603612-4XS	603612-4XSS6	60.00 x 36.00 x 12.00	1524 x 914 x 305	AW6036P	AW6036GP	56.87 x 32.87	1444 x 835
302416-4XS	302416-4XSS6	30.00 x 24.00 x 16.00	762 x 610 x 406	AW3024P	AW3024GP	26.87 x 20.87	682 x 530
363016-4XS	363016-4XSS6	36.00 x 30.00 x 16.00	914 x 762 x 406	AW3630P	AW3630GP	32.87 x 26.87	835 x 682
483616-4XS	483616-4XSS6	48.00 x 36.00 x 16.00	1219 x 914 x 406	AW4836P	AW4836GP	44.87 x 32.87	1140 x 835
603616-4XS	603616-4XSS6	60.00 x 36.00 x 16.00	1524 x 914 x 406	AW6036P	AW6036GP	56.87 x 32.87	1444 x 835

Notes: Clamps are mounted along three sides of the enclosure door. Spacing between clamps along side opposite the hinge does not exceed 15 inches. Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Type 4X Panel Enclosures

Wall-Mount Enclosures Type 4X Single-Door, Aluminum Data Sheet and Catalog Number



Application

- Houses electrical controls and instruments
- Intended for indoor or outdoor use where a corrosive environment exists
- Protects against corrosion, windblown dust and rain, splashing water and hose directed water

Standards

- UL 508 listed, Type 4, Type 4X, Type 12 and Type 13
- CSA C22.2 No.94 certified, Type 4, Type 4X, Type 12 and Type 13
- Conforms to NEMA standard for Type 4, Type 4X, Type 12 and Type 13

Finish

- Door and sides of body have a smooth #4 brushed finish

Accessories

- Panels
- NEMA terminal strap kit
- Terminal blocks
- Floor stand kit
- See Accessories section

Construction

- Enclosure and door are fabricated from (14) gauge, Type 5052-H32 aluminum
- All continuous welded seams are finished smooth
- Doors are secured to the body with a heavy-duty, aluminum continuous hinge and pin on one side and easy to operate stainless steel door clamps mounted to the other three sides
- Each door has a padlock hasp with sealing hole provision
- Print pocket provided
- Door has a seamless poured in-place gasket
- Formed lip around enclosure opening diverts liquids and contaminants
- .375-16 collar studs are provided for mounting optional panel
- External mounting feet are provided for secure wall mounting

Discount Schedule: G2

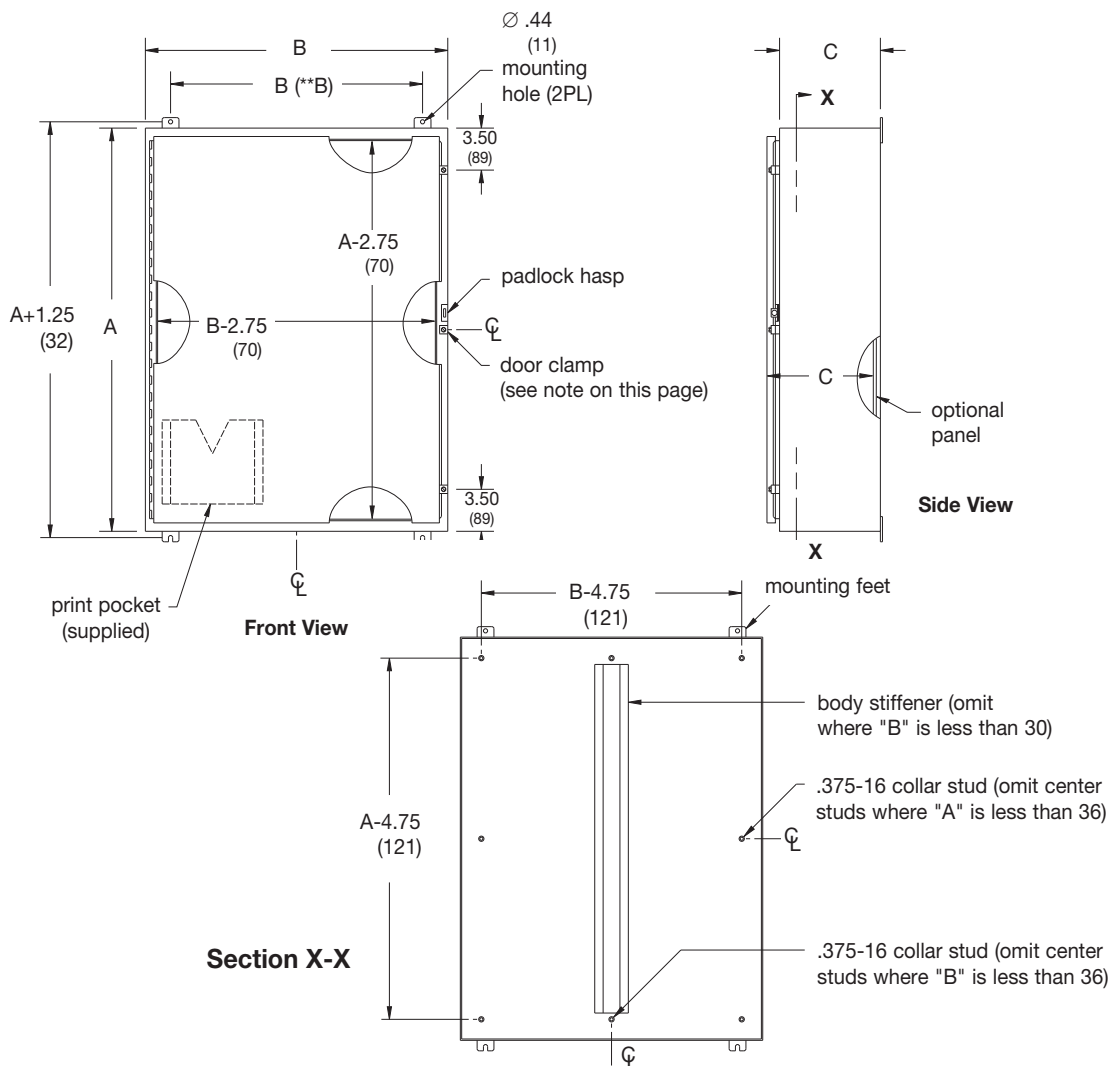
Subclass: DGO

Enclosure Catalog Number	Enclosure Size Height x Width x Depth A x B x C		Panel Catalog Number		Panel Size Height x Width	
	in.	mm	Steel	Conductive	in.	mm
16126-4XA	16.00 x 12.00 x 6.00	406 x 305 x 152	AW1612P	AW1612GP	13.00 x 9.00	330 x 229
16166-4XA	16.00 x 16.00 x 6.00	406 x 406 x 152	AW1616P	AW1616GP	13.00 x 13.00	330 x 330
20166-4XA	20.00 x 16.00 x 6.00	508 x 406 x 152	AW2016P	AW2016GP	17.00 x 13.00	432 x 330
20206-4XA	20.00 x 20.00 x 6.00	508 x 508 x 152	AW2020P	AW2020GP	17.00 x 17.00	432 x 432
24206-4XA	24.00 x 20.00 x 6.00	610 x 508 x 152	AW2420P	AW2420GP	20.87 x 16.87	530 x 428
16128-4XA	16.00 x 12.00 x 8.00	406 x 305 x 203	AW1612P	AW1612GP	13.00 x 9.00	330 x 229
20168-4XA	20.00 x 16.00 x 8.00	508 x 406 x 203	AW2016P	AW2016GP	17.00 x 13.00	432 x 330
24168-4XA	24.00 x 16.00 x 8.00	610 x 406 x 203	AW2416P	AW2416GP	21.00 x 13.00	533 x 330
24208-4XA	24.00 x 20.00 x 8.00	610 x 508 x 203	AW2420P	AW2420GP	20.87 x 16.87	530 x 428
24248-4XA	24.00 x 24.00 x 8.00	610 x 610 x 203	AW2424P	AW2424GP	20.87 x 20.87	530 x 530
24308-4XA	24.00 x 30.00 x 8.00	610 x 762 x 203	AW3024P	AW3024GP	26.87 x 20.87	682 x 530
30208-4XA	30.00 x 20.00 x 8.00	762 x 508 x 203	AW3020P	AW3020GP	26.87 x 16.87	682 x 428
30248-4XA	30.00 x 24.00 x 8.00	762 x 610 x 203	AW3024P	AW3024GP	26.87 x 20.87	682 x 530
30308-4XA	30.00 x 30.00 x 8.00	762 x 762 x 203	AW3030P	AW3030GP	26.87 x 26.87	682 x 682
36248-4XA	36.00 x 24.00 x 8.00	914 x 610 x 203	AW3624P	AW3624GP	32.87 x 20.87	835 x 530
36308-4XA	36.00 x 30.00 x 8.00	914 x 762 x 203	AW3630P	AW3630GP	32.87 x 26.87	835 x 682
42368-4XA	42.00 x 36.00 x 8.00	1067 x 914 x 203	AW4236P	AW4236GP	38.87 x 32.87	987 x 835
48368-4XA	48.00 x 36.00 x 8.00	1219 x 914 x 203	AW4836P	AW4836GP	44.87 x 32.87	1140 x 835

Notes: Cooper B-Line can provide special sizes, finishes and other modifications. Consult the factory for your special requirements.

Wall-Mount Enclosures Type 4X Single-Door, Aluminum Illustration Sheet and Catalog Number

Enclosure Catalog Number	Enclosure Size Height x Width x Depth A x B x C		Panel Catalog Number		Panel Size Height x Width	
	in.	mm	Steel	Conductive	in.	mm
201610-4XA	20.00 x 16.00 x 10.00	508 x 406 x 254	AW2016P	AW2016GP	17.00 x 13.00	432 x 330
242010-4XA	24.00 x 20.00 x 10.00	610 x 508 x 254	AW2420P	AW2420GP	20.87 x 16.87	530 x 428
362410-4XA	36.00 x 24.00 x 10.00	914 x 610 x 254	AW3624P	AW3624GP	32.87 x 20.87	835 x 530
363010-4XA	36.00 x 30.00 x 10.00	914 x 762 x 254	AW3630P	AW3630GP	32.87 x 26.87	835 x 682
423010-4XA	42.00 x 30.00 x 10.00	1067 x 762 x 254	AW4230P	AW4230GP	38.87 x 26.87	987 x 682
242412-4XA	24.00 x 24.00 x 12.00	610 x 610 x 305	AW2424P	AW2424GP	20.87 x 20.87	530 x 530
302412-4XA	30.00 x 24.00 x 12.00	762 x 610 x 305	AW3024P	AW3024GP	26.87 x 20.87	682 x 530
363012-4XA	36.00 x 30.00 x 12.00	914 x 762 x 305	AW3630P	AW3630GP	32.87 x 26.87	835 x 682
483612-4XA	48.00 x 36.00 x 12.00	1219 x 914 x 305	AW4836P	AW4836GP	44.87 x 32.87	1140 x 835
603612-4XA	60.00 x 36.00 x 12.00	1524 x 914 x 305	AW6036P	AW6036GP	56.87 x 32.87	1444 x 835
362416-4XA	36.00 x 24.00 x 16.00	914 x 610 x 406	AW3624P	AW3624GP	32.87 x 20.87	835 x 530
363016-4XA	36.00 x 30.00 x 16.00	914 x 762 x 406	AW3630P	AW3630GP	32.87 x 26.87	835 x 682
483616-4XA	48.00 x 36.00 x 16.00	1219 x 914 x 406	AW4836P	AW4836GP	44.87 x 32.87	1140 x 835



Notes: Dimensions: **B = (-2.50) if 12 inches wide; (-6.00) if wider than 12 inches. Clamps are mounted along three sides of the enclosure door. Spacing between clamps along side opposite the hinge does not exceed 15 inches. Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Type 4X Panel Enclosures

Wall-Mount Enclosures

Type 4X Premier™ Series with Quarter-Turn Latches

Data Sheet



Application

- Houses electrical controls and instruments
- Intended for indoor or outdoor use where a corrosive environment exists
- Protects against corrosion, circulating and windblown dust, falling dirt, dripping non-corrosive liquids, rain, splashing water and hose directed water

Standards

- UL 508 Listed, Type 4X, Type 4 and Type 12
- cUL Listed, Type 4X, Type 4 and Type 12
- Conforms to NEMA standard for Type 4X, Type 4 and 12

Finish

- Door and sides of body have a smooth #4 brushed finish

Accessories

- Premier panels
- NEMA panel adapters
- Depth adjustment brackets
- Print pockets
- Padlockable or keyed handles
- Security latch inserts
- Mounting foot kits
- EIA/TIA rack mounting angles
- Swing-out panels
- See Premier Series Accessories pages, 210-215

Construction

- Enclosure and door are fabricated from code gauge Type 304 or Type 316L stainless steel (see pages 207 & 208)
- All continuous welded seams are finished smooth
- Hardware kit provided contains grounding hardware, .312-18 flanged hex nuts for panel mounting, and sealing washers for body mounting holes

Body Construction

- Body flange trough design is formed around body opening to divert liquid contaminants away from door opening
- Reduced width flange design increases enclosure opening
- Ground stud provided in enclosure body
- .312-18 collar studs are provided for mounting optional Premier panels
- Enclosure mounting holes in body provided for direct mounting or optional mounting feet
- Utility bracket provides wire management and accessory mounting options

Door Construction

- Doors are secured to the body with a unique spring-loaded hidden hinge design on one side and slotted quarter-turn flush latch(es) on the opposite side
- Doors are easily removed and interchangeable
- Door has a seamless poured in-place gasket
- Door opens 170° for easy access
- Utility rail provides grounding, rigidity and wire management
- Window-door enclosures feature flush-mounted clear polycarbonate window

Discount Schedule: C2

Subclass: TE0

Notes: Cooper B-Line can provide special sizes, finishes and other modifications. Consult the factory for your special requirements.

Type 4X Panel Enclosures

Wall-Mount Enclosures Type 4X Premier™ Series with Quarter-Turn Latches Catalog Number

Enclosure Catalog		Enclosure Number		Size Door/Body Gauge	Panel Catalog Number	Panel Size H x W		Mounting D x E		Window Size F x G		Latch Qty.	J	
Solid Door	Window Door	A x B x C in.	A x B x C mm			in.	mm	in.	mm	in.	mm		in.	mm
1084-SDSS4	-	10 x 8 x 4	254 x 203 x 102	16/16	108P	8.00 x 6.00	203 x 152	8.50 x 6.37	216 x 162	-	-	1	5.00	127
1086-SDSS4	-	10 x 8 x 6	254 x 203 x 152	16/16	108P	8.00 x 6.00	203 x 152	8.50 x 6.37	216 x 162	-	-	1	5.00	127
12106-SDSS4	-	12 x 10 x 6	305 x 254 x 152	16/16	1210P	10.00 x 8.00	254 x 203	10.50 x 8.37	267 x 213	-	-	1	6.00	152
12126-SDSS4	12126-SDWSS4	12 x 12 x 6	305 x 305 x 152	16/16	1212P	10.00 x 10.00	254 x 254	10.50 x 10.37	267 x 264	8.25 x 7.00	210 x 178	1	6.00	152
16126-SDSS4	16126-SDWSS4	16 x 12 x 6	406 x 305 x 152	16/16	1612P	14.00 x 10.00	356 x 254	14.50 x 10.37	368 x 264	12.25 x 7.00	311 x 178	1	8.00	203
16166-SDSS4	-	16 x 16 x 6	406 x 406 x 152	16/16	1616P	14.00 x 14.00	356 x 356	14.50 x 14.37	368 x 365	-	-	1	8.00	203
20166-SDSS4	20166-SDWSS4	20 x 16 x 6	508 x 406 x 152	16/16	2016P	18.00 x 14.00	457 x 356	18.50 x 14.37	470 x 365	16.25 x 11.00	413 x 279	1	10.00	254
20206-SDSS4	20206-SDWSS4	20 x 20 x 6	508 x 508 x 152	16/16	2020P	18.00 x 18.00	457 x 457	18.50 x 18.37	470 x 467	16.25 x 15.00	413 x 381	1	10.00	254
16128-SDSS4	-	16 x 12 x 8	406 x 305 x 203	16/16	1612P	14.00 x 10.00	356 x 254	14.50 x 10.37	368 x 264	-	-	1	8.00	203
16168-SDSS4	-	16 x 16 x 8	406 x 406 x 203	16/16	1616P	14.00 x 14.00	356 x 356	14.50 x 14.37	368 x 365	-	-	1	8.00	203
16208-SDSS4	-	16 x 20 x 8	406 x 508 x 203	16/16	2016P	14.00 x 18.00	356 x 457	14.50 x 18.37	368 x 467	-	-	1	8.00	203
20168-SDSS4	20168-SDWSS4	20 x 16 x 8	508 x 406 x 203	16/16	2016P	18.00 x 14.00	457 x 356	18.50 x 14.37	470 x 365	16.25 x 11.00	413 x 279	1	10.00	254
20208-SDSS4	20208-SDWSS4	20 x 20 x 8	508 x 508 x 203	16/16	2020P	18.00 x 18.00	457 x 457	18.50 x 18.37	470 x 467	16.25 x 15.00	413 x 381	1	10.00	254
24168-SDSS4	-	24 x 16 x 8	610 x 406 x 203	16/16	2416P	22.00 x 14.00	559 x 356	22.50 x 14.37	572 x 365	-	-	1	5.00	127
24208-SDSS4	24208-SDWSS4	24 x 20 x 8	610 x 508 x 203	16/16	2420P	22.00 x 18.00	559 x 457	22.50 x 18.37	572 x 467	20.25 x 15.00	514 x 381	1	5.00	127
24248-SDSS4	24248-SDWSS4	24 x 24 x 8	610 x 610 x 203	14/16	2424P	22.00 x 22.00	559 x 559	22.50 x 22.37	572 x 568	20.25 x 17.62	514 x 448	2	5.00	127
30248-SDSS4	30248-SDWSS4	30 x 24 x 8	762 x 610 x 203	14/16	3024P	28.00 x 22.00	711 x 559	28.50 x 22.37	724 x 568	26.25 x 17.62	667 x 448	2	5.00	127
30308-SDSS4	-	30 x 30 x 8	762 x 762 x 203	14/14	3030P	28.00 x 28.00	711 x 711	28.50 x 28.37	724 x 721	-	-	2	5.00	127
36248-SDSS4	-	36 x 24 x 8	914 x 610 x 203	14/16	3624P	34.00 x 22.00	864 x 559	34.50 x 22.37	876 x 568	-	-	2	5.00	127
36308-SDSS4	-	36 x 30 x 8	914 x 762 x 203	14/14	3630P	34.00 x 28.00	864 x 711	34.50 x 28.37	876 x 721	-	-	2	5.00	127
202012-SDSS4	202012-SDWSS4	20 x 20 x 12	508 x 508 x 305	14/14	2020P	18.00 x 18.00	457 x 457	18.50 x 18.37	470 x 467	16.25 x 15.00	413 x 381	1	10.00	254
242412-SDSS4	-	24 x 24 x 12	610 x 610 x 305	14/14	2424P	22.00 x 22.00	559 x 559	22.50 x 22.37	572 x 568	-	-	2	5.00	127
302412-SDSS4	302412-SDWSS4	30 x 24 x 12	762 x 610 x 305	14/14	3024P	28.00 x 22.00	711 x 559	28.50 x 22.37	724 x 568	26.25 x 17.62	667 x 448	2	5.00	127
362412-SDSS4	-	36 x 24 x 12	914 x 610 x 305	14/14	3624P	34.00 x 22.00	864 x 559	34.50 x 22.37	876 x 568	-	-	2	5.00	127
363012-SDSS4	-	36 x 30 x 12	914 x 762 x 305	14/14	3630P	34.00 x 28.00	864 x 711	34.50 x 28.37	876 x 721	-	-	2	5.00	127
363612-SDSS4	-	36 x 36 x 12	914 x 914 x 305	14/14	3636P	34.00 x 34.00	864 x 864	34.50 x 34.37	876 x 873	-	-	2	5.00	127
423612-SDSS4	-	42 x 36 x 12	1067 x 914 x 305	14/14	4236P	40.00 x 34.00	1016 x 864	40.50 x 34.37	1029 x 873	-	-	3	5.00	127
483612-SDSS4	-	48 x 36 x 12	1219 x 914 x 305	14/14	4836P	46.00 x 34.00	1168 x 864	46.50 x 34.37	1181 x 873	-	-	3	5.00	127
603612-SDSS4	-	60 x 36 x 12	1524 x 914 x 305	14/14	6036P	58.00 x 34.00	1473 x 864	58.50 x 34.37	1486 x 873	-	-	3	5.00	127

See dimensional drawings on page 209.

Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Type 4X Panel Enclosures

Wall-Mount Enclosures Type 4X Premier™ Series with Quarter-Turn Latches Catalog Number

Enclosure Catalog Number <small>Type 316L Stainless Steel Solid Door</small>	Enclosure Size A x B x C		Door/ Body Gauge	Steel Panel Catalog Number	Stainless Steel Panel Catalog Number	Panel Size H x W		Mounting D x E		Latch Qty.	J	
	in.	mm				in.	mm	in.	mm		in.	mm
1084-SDSS6	10 x 8 x 4	254 x 203 x 102	16/16	108P	108PSS4	8.00 x 6.00	203 x 152	8.50 x 6.37	216 x 162	1	5.00	127
1086-SDSS6	10 x 8 x 6	254 x 203 x 152	16/16	108P	108PSS4	8.00 x 6.00	203 x 152	8.50 x 6.37	216 x 162	1	5.00	127
12106-SDSS6	12 x 10 x 6	305 x 254 x 152	16/16	1210P	1210PSS4	10.00 x 8.00	254 x 203	10.50 x 8.37	267 x 213	1	6.00	152
12126-SDSS6	12 x 12 x 6	305 x 305 x 152	16/16	1212P	1212PSS4	10.00 x 10.00	254 x 254	10.50 x 10.37	267 x 264	1	6.00	152
16126-SDSS6	16 x 12 x 6	406 x 305 x 152	16/16	1612P	1612PSS4	14.00 x 10.00	356 x 254	14.50 x 10.37	368 x 264	1	8.00	203
16166-SDSS6	16 x 16 x 6	406 x 406 x 152	16/16	1616P	1616PSS4	14.00 x 14.00	356 x 356	14.50 x 14.37	368 x 365	1	8.00	203
20166-SDSS6	20 x 16 x 6	508 x 406 x 152	16/16	2016P	2016PSS4	18.00 x 14.00	457 x 356	18.50 x 14.37	470 x 365	1	10.00	254
20206-SDSS6	20 x 20 x 6	508 x 508 x 152	16/16	2020P	2020PSS4	18.00 x 18.00	457 x 457	18.50 x 18.37	470 x 467	1	10.00	254
16128-SDSS6	16 x 12 x 8	406 x 305 x 203	16/16	1612P	1612PSS4	14.00 x 10.00	356 x 254	14.50 x 10.37	368 x 264	1	8.00	203
16168-SDSS6	16 x 16 x 8	406 x 406 x 203	16/16	1616P	1616PSS4	14.00 x 14.00	356 x 356	14.50 x 14.37	368 x 365	1	8.00	203
16208-SDSS6	16 x 20 x 8	406 x 508 x 203	16/16	2016P	2016PSS4	14.00 x 18.00	356 x 457	14.50 x 18.37	368 x 467	1	8.00	203
20168-SDSS6	20 x 16 x 8	508 x 406 x 203	16/16	2016P	2016PSS4	18.00 x 14.00	457 x 356	18.50 x 14.37	470 x 365	1	10.00	254
20208-SDSS6	20 x 20 x 8	508 x 508 x 203	16/16	2020P	2020PSS4	18.00 x 18.00	457 x 457	18.50 x 18.37	470 x 467	1	10.00	254
24168-SDSS6	24 x 16 x 8	610 x 406 x 203	16/16	2416P	2416PSS4	22.00 x 14.00	559 x 356	22.50 x 14.37	572 x 365	1	5.00	127
24208-SDSS6	24 x 20 x 8	610 x 508 x 203	16/16	2420P	2420PSS4	22.00 x 18.00	559 x 457	22.50 x 18.37	572 x 467	1	5.00	127
24248-SDSS6	24 x 24 x 8	610 x 610 x 203	14/16	2424P	2424PSS4	22.00 x 22.00	559 x 559	22.50 x 22.37	572 x 568	2	5.00	127
30248-SDSS6	30 x 24 x 8	762 x 610 x 203	14/16	3024P	3024PSS4	28.00 x 22.00	711 x 559	28.50 x 22.37	724 x 568	2	5.00	127
30308-SDSS6	30 x 30 x 8	762 x 762 x 203	14/14	3030P	3030PSS4	28.00 x 28.00	711 x 711	28.50 x 28.37	724 x 721	2	5.00	127
36248-SDSS6	36 x 24 x 8	914 x 610 x 203	14/16	3624P	3624PSS4	34.00 x 22.00	864 x 559	34.50 x 22.37	876 x 568	2	5.00	127
36308-SDSS6	36 x 30 x 8	914 x 762 x 203	14/14	3630P	3630PSS4	34.00 x 28.00	864 x 711	34.50 x 28.37	876 x 721	2	5.00	127
202012-SDSS6	20 x 20 x 12	508 x 508 x 305	14/14	2020P	2020PSS4	18.00 x 18.00	457 x 457	18.50 x 18.37	470 x 467	1	10.00	254
242412-SDSS6	24 x 24 x 12	610 x 610 x 305	14/14	2424P	2424PSS4	22.00 x 22.00	559 x 559	22.50 x 22.37	572 x 568	2	5.00	127
302412-SDSS6	30 x 24 x 12	762 x 610 x 305	14/14	3024P	3024PSS4	28.00 x 22.00	711 x 559	28.50 x 22.37	724 x 568	2	5.00	127
362412-SDSS6	36 x 24 x 12	914 x 610 x 305	14/14	3624P	3624PSS4	34.00 x 22.00	864 x 559	34.50 x 22.37	876 x 568	2	5.00	127
363012-SDSS6	36 x 30 x 12	914 x 762 x 305	14/14	3630P	3630PSS4	34.00 x 28.00	864 x 711	34.50 x 28.37	876 x 721	2	5.00	127
363612-SDSS6	36 x 36 x 12	914 x 914 x 305	14/14	3636P	3636PSS4	34.00 x 34.00	864 x 864	34.50 x 34.37	876 x 873	2	5.00	127
423612-SDSS6	42 x 36 x 12	1067 x 914 x 305	14/14	4236P	4236PSS4	40.00 x 34.00	1016 x 864	40.50 x 34.37	1029 x 873	3	5.00	127
483612-SDSS6	48 x 36 x 12	1219 x 914 x 305	14/14	4836P	4836PSS4	46.00 x 34.00	1168 x 559	46.50 x 34.37	1181 x 873	3	5.00	127
603612-SDSS6	60 x 36 x 12	1524 x 914 x 305	14/14	6036P	6036PSS4	58.00 x 34.00	1473 x 559	58.50 x 34.37	1486 x 873	3	5.00	127

See dimensional drawings on page 209.

Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

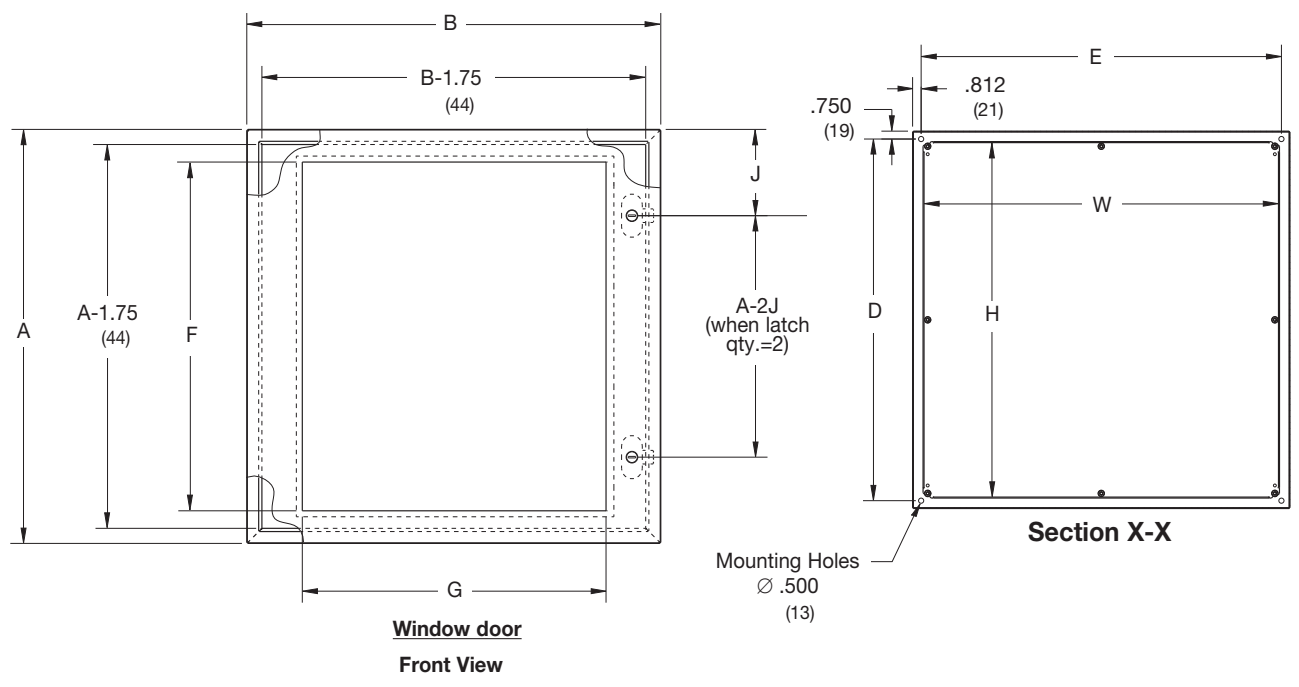
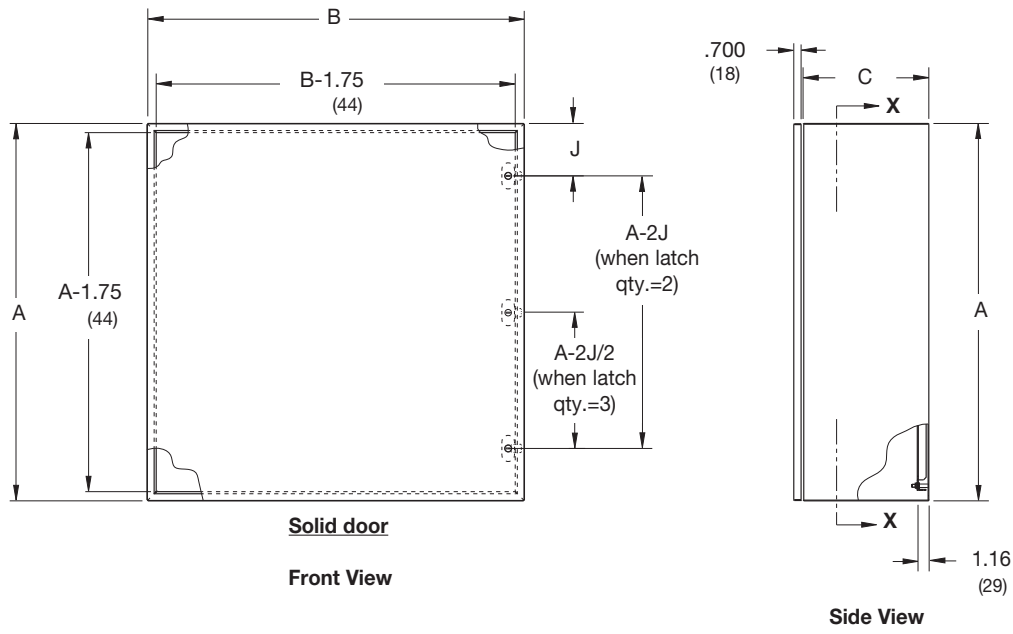
Type 4X Panel Enclosures

Wall-Mount Enclosures

Type 4X Premier™ Series, Stainless Steel With Quarter-Turn Latches

Illustration Sheet

See pages 207 & 208 for dimensions.



Type 4X Panel Enclosures

Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Type 4X Panel Enclosures

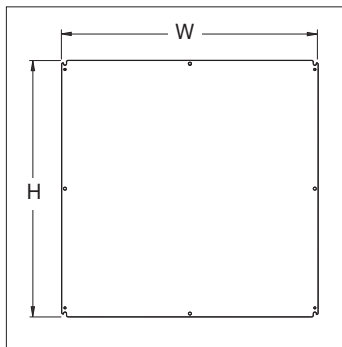
Premier™ Series Accessories

Discount Schedule: C2

Subclass: TD0

Panels

Premier panels can be installed in any Premier Series enclosure and are up to 20% larger than standard NEMA panels. Panels above 24" are flanged. Steel panels have a white polyester powder paint finish. Stainless Steel sizes are available as shown in chart.



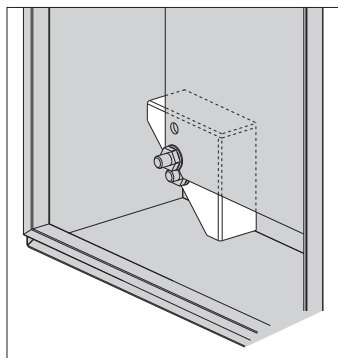
Catalog Number		Panel Size H x W		Gauge
Steel	Stainless	in.	mm	
108P	108PSS4	8.00 x 6.00	203 x 152	14
1210P	1210PSS4	10.00 x 8.00	254 x 203	14
1212P	1212PSS4	10.00 x 10.00	254 x 254	14
1612P	1612PSS4	14.00 x 10.00	356 x 254	14
1616P	1616PSS4	14.00 x 14.00	356 x 356	12
2016P	2016PSS4	18.00 x 14.00	457 x 356	12
2020P	2020PSS4	18.00 x 18.00	457 x 457	12
2416P	2416PSS4	22.00 x 14.00	559 x 356	12
2420P	2420PSS4	22.00 x 18.00	559 x 457	12
2424P	2424PSS4	22.00 x 22.00	559 x 559	12
2442P	2442PSS4	22.00 x 40.00	559 x 1016	12
3020P	3020PSS4	28.00 x 18.00	711 x 457	12
3024P	3024PSS4	28.00 x 22.00	711 x 559	12
3030P	3030PSS4	28.00 x 28.00	711 x 711	12
3048P	3048PSS4	28.00 x 46.00	711 x 1168	12
3060P	3060PSS4	28.00 x 58.00	711 x 1473	12
3624P	3624PSS4	34.00 x 22.00	864 x 559	12
3630P	3630PSS4	34.00 x 28.00	864 x 711	12
3636P	3636PSS4	34.00 x 34.00	864 x 864	12
4230P	4230PSS4	40.00 x 28.00	1016 x 711	12
4236P	4236PSS4	40.00 x 34.00	1016 x 864	12
4824P	4824PSS4	46.00 x 22.00	1168 x 559	12
4836P	4836PSS4	46.00 x 34.00	1168 x 864	12
6036P	6036PSS4	58.00 x 34.00	1473 x 864	12

NEMA Panel Adapters

NEMA panel adapters allow standard NEMA panels to be used in Premier series enclosures. Decreased height and width of NEMA panels increase space around panel for wire management. Kit includes four adapters and four .375-16 flanged hex nuts.

Finish: Zinc Plated

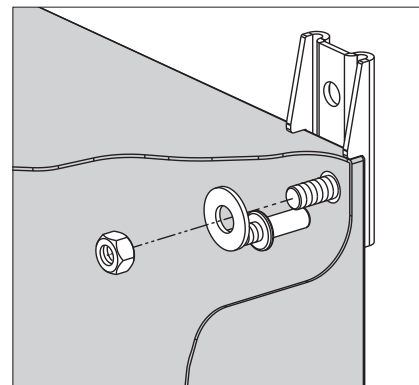
(Note: Cannot be used with enclosures 12" x 12" (305 mm x 305 mm) or smaller)



Catalog Number	Qty.	For use with Premier Enclosures
PCK4	4	30" x 30" or smaller

Mounting Foot Kits

Mounting foot kits are available in stainless steel. Four feet and hardware are included.



Catalog Number	Qty.	Description
WMKSS6	4	Type 316 Stainless Steel

Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Type 4X Panel Enclosures

Premier™ Series Accessories

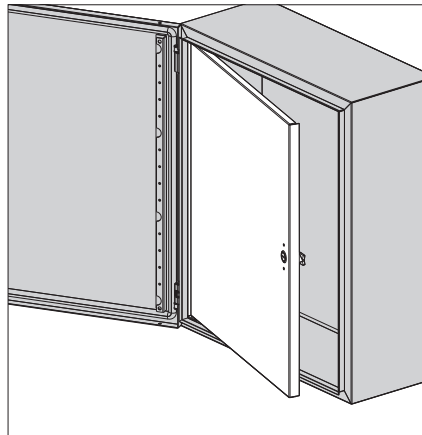
Discount Schedule: C2

Subclass: TDO

Swing-Out Panels

Swing-out panels offer a means for mounting user components and equipment near the front of an enclosure opening. Panel pivots from front of enclosure to allow easy access to internal equipment. Swing-out panels are 14 gauge with a white polyester powder finish and includes all hardware for mounting to front flange of enclosure.

(Note: Cannot be used in conjunction with depth adjustment brackets).



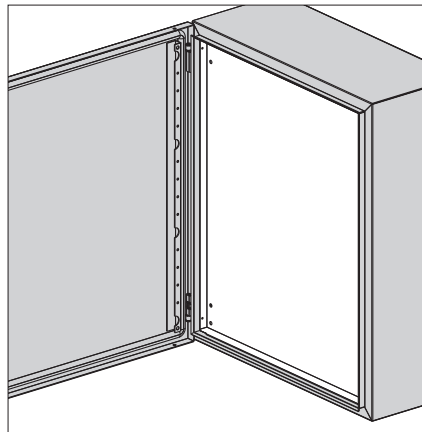
Note: Swing-out panel distance from panel face to inside of enclosure cover equals 1 1/4".

Catalog Number	Panel Size Height x Width		For use with Premier Enclosures A x B
	in.	mm	
1212SP	9.78 x 9.84	248 x 250	12"x12"
1612SP	13.78 x 9.84	350 x 250	16"x12"
1616SP	13.78 x 13.84	350 x 352	16"x16"
1620SP	13.78 x 17.84	350 x 453	16"x20"
2016SP	17.78 x 13.84	452 x 352	20"x16"
2020SP	17.78 x 17.84	452 x 453	20"x20"
2024SP	17.78 x 21.84	452 x 555	20"x24"
2416SP	21.78 x 13.84	553 x 352	24"x16"
2420SP	21.78 x 17.84	553 x 453	24"x20"
2424SP	21.78 x 21.84	553 x 555	24"x24"
3020SP	27.78 x 17.84	706 x 453	30"x20"
3024SP	27.78 x 21.84	706 x 555	30"x24"
3030SP	27.78 x 27.84	706 x 707	30"x30"
3624SP	33.78 x 21.84	858 x 555	36"x24"
3630SP	33.78 x 27.84	858 x 707	36"x30"
3636SP	33.78 x 33.84	858 x 860	36"x36"

Dead Front Panels

Dead front kits offer a means for mounting user components and equipment near the front of an enclosure opening. Also creates a barrier and controls access to the enclosure interior. Kit includes ANSI 61 gray panel and all hardware for mounting to enclosures.

(Note: Cannot be used in conjunction with depth adjustment brackets).

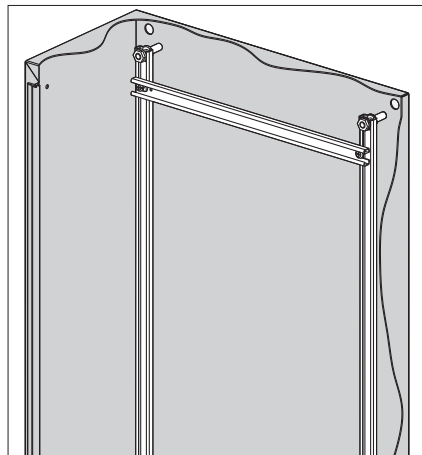


Note: Dead front panel distance from panel face to inside of enclosure cover equals 1 1/4".

Catalog Number	For use with Premier Enclosures A x B
1212DF	12"x12"
1612DF	16"x12"
2016DF	20"x16"
2020DF	20"x20"
2420DF	24"x20"
2424DF	24"x24"
3024DF	30"x24"

Mounting Channels

Mounting channels create a vertical or horizontal framework for DIN rail, flexible mounting straps, or other component attachment. Two channels provided for mounting on enclosure collar studs. Finish: Zinc Plated



Catalog Number	Qty.	For use with Premier Enclosures
12MC	2	12" height or width
16MC	2	16" height or width
20MC	2	20" height or width
24MC	2	24" height or width
30MC	2	30" height or width
36MC	2	36" height or width
42MC	2	42" height or width
48MC	2	48" height or width
60MC	2	60" height or width

Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Type 4X Panel Enclosures

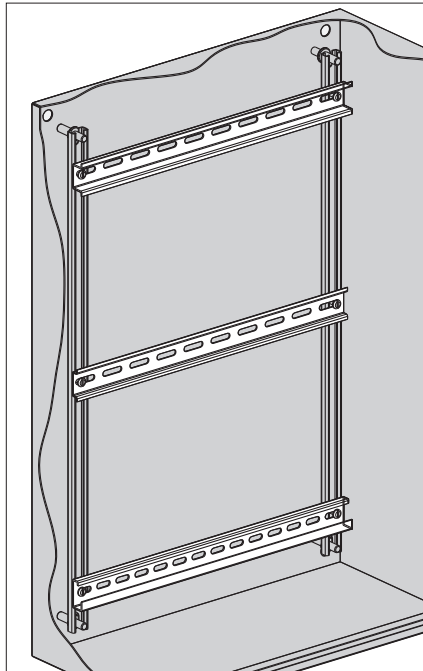
Premier™ Series Accessories

Discount Schedule: C2

Subclass: TD0

DIN Rail Kits

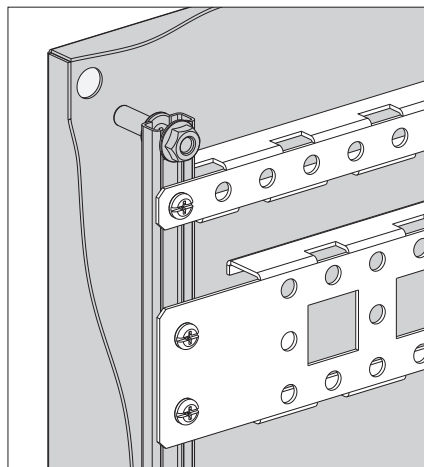
DIN rail kits provide flexibility for mounting DIN type snap-on equipment. Three styles; TS32x15, slotted; TS35x7.5, slotted; TS35x15, slotted all attach to collar studs either horizontally or vertically. Three DIN rails, screws and channel nuts are provided. Finish: Yellow Zinc



Catalog Number	Description	For use with Premier Enclosures
12DR1P	TS32 x 15, slotted	12" height or width
16DR1P	TS32 x 15, slotted	16" height or width
20DR1P	TS32 x 15, slotted	20" height or width
24DR1P	TS32 x 15, slotted	24" height or width
12DR3P	TS35 x 7.5, slotted	12" height or width
16DR3P	TS35 x 7.5, slotted	16" height or width
20DR3P	TS35 x 7.5, slotted	20" height or width
24DR3P	TS35 x 7.5, slotted	24" height or width
12DRCP	TS35 x 15, slotted	12" height or width
16DRCP	TS35 x 15, slotted	16" height or width
20DRCP	TS35 x 15, slotted	20" height or width
24DRCP	TS35 x 15, slotted	24" height or width

Flexible Mounting Straps

Flexible mounting straps offer a versatile, horizontal or vertical mounting method inside enclosure body. Two designs; 1-hole or 3-hole pattern increase mounting flexibility and attach to enclosure collar studs. Flexible mounting strap kit contains two straps and hardware. Finish: Zinc Plated



Catalog Number	Description	Fits Premier Enclosures
12GS1	1 hole	12" height or width
16GS1	1 hole	16" height or width
20GS1	1 hole	20" height or width
24GS1	1 hole	24" height or width
30GS1	1 hole	30" height or width
36GS3	3 hole	36" height or width
42GS3	3 hole	42" height or width
48GS3	3 hole	48" height or width
60GS3	3 hole	60" height or width

Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Premier™ Series Accessories

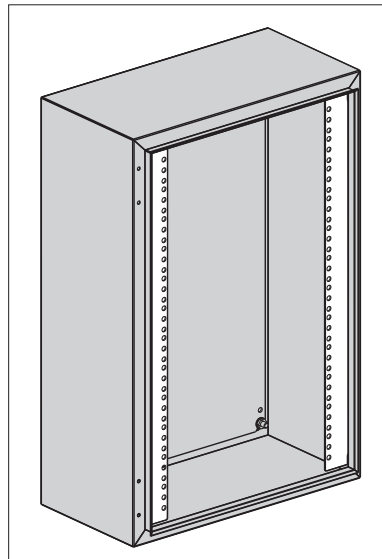
Discount Schedule: C2

Subclass: TDO

Rack Mounting Angles

Relay rack angles are designed for mounting EIA 19" rack mount equipment inside 24" wide enclosures. Fabricated from 14 gauge steel and zinc plated. Rack angles are mounted to enclosure flange with hardware provided. Rack mount angles are untapped and require screws and cage nuts for equipment mounting (order separately).

Finish: Zinc Plated



Catalog Number	For use with Premier Enclosures	Mounting Units
10URMA	20" height	10
12URMA	24" height	12
16URMA	30" height	16
19URMA	36" height	19
26URMA	48" height	26

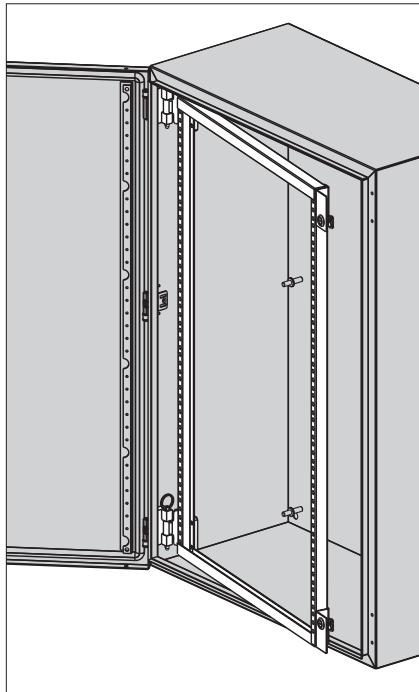
Universal Spacing [$\frac{5}{8}$ " (16mm), $\frac{5}{8}$ " (16mm), $\frac{1}{2}$ " (13mm)]

Swing-Out Rack Frames

Swing-out rack frames allow mounting of EIA 19" rack mount equipment. Flexible pivoting framework provides access to back of equipment or other internal components. Designed for use with 24" wide Premier series enclosures. Mounting hardware included. Swing-out rack frame holes are untapped and require screws and cage nuts for equipment mounting (order separately).

(Note: Cannot be used in conjunction with depth adjustment brackets).

Finish: ANSI Gray Polyester Powder



Catalog Number	For use with Premier Enclosures	Mounting Units
2424SF	24" x 24"	11
3024SF	30" x 24"	15
3624SF	36" x 24"	18

Universal Spacing [$\frac{5}{8}$ " (16mm), $\frac{5}{8}$ " (16mm), $\frac{1}{2}$ " (13mm)]

Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Type 4X Panel Enclosures

Premier™ Series Accessories

Discount Schedule: C2

Subclass: TD0

Handles

Padlocking, key-locking or non-locking handles are interchangeable with standard slotted quarter-turn flush latch on Premier series enclosures. Available keyed alike or keyed different, please specify when ordering.



Catalog Number	Description
WMHNL	Wall-mount handle, non-locking
WMHK-01	Wall-mount handle, key-locking - keyed 01
WMHK-02	Wall-mount handle, key-locking - keyed 02
WMHK-03	Wall-mount handle, key-locking - keyed 03
WMHK-04	Wall-mount handle, key-locking - keyed 04
WMHPTO	Wall-mount handle, padlockable

Security Latch Inserts

Security latch inserts interchange with slotted latch quarter-turn flush latch and provide security and control access to interior of enclosure. Inserts include matching key.



7MTLK

Catalog Number	Description
7MTLK	7mm triangular latch insert
7MSLK	7mm square latch insert
3MDBLK	3mm double bit latch insert



7MSLK



3MDBLK

Print Pockets

Print pockets provide a convenient place to store operation manuals, diagrams, or other documents inside the enclosure. Thermoplastic pockets are gray and have cut away areas for viewing contents. Pockets have adhesive backing for mounting inside on enclosure door.



Catalog Number	Length x Width
32170	6" x 6"
32171	10" x 10"

Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Type 4X Panel Enclosures

Premier™ Series Accessories

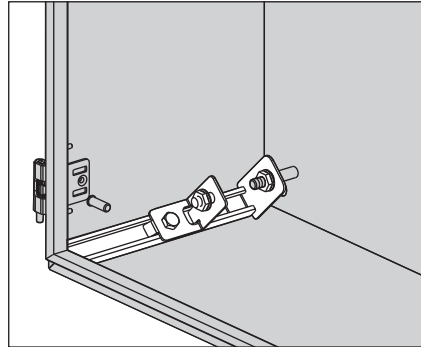
Discount Schedule: C2

Subclass: TD0

Depth Adjustment Brackets

Depth adjustment brackets allow variable depth mounting of premier accessories. Designed for use with 6", 8" or 12" deep enclosures. Kit is available in quantities of 4 or 2 and includes mounting channel, adjustable mechanism and hardware. When enclosure has 6 collar studs, use two kits. (**Note:** Not for use with swing-out rack frame, dead front panel or swing-out panel).

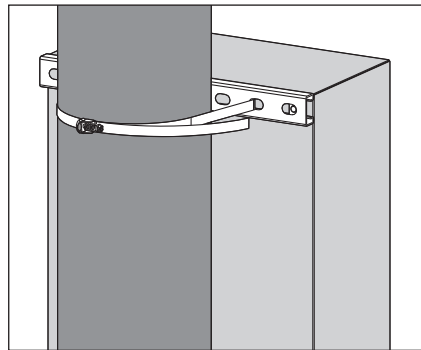
Finish: Zinc Plated



Catalog Number	Qty.	For use with Premier Enclosures
64AMK	4	6" depth or greater
84AMK	4	8" depth or greater
82AMK	2	8" depth or greater
124AMK	4	12" depth or greater
122AMK	2	12" depth or greater

Pole Mounting Kits

Pole mounting kits allow installation of enclosure on round or rectangular poles. Kit includes hot dip galvanized after fabrication strut channel, stainless steel band and hardware for top and bottom mounting of enclosure.



Note: Pole diameter range 4" minimum to 12" maximum.

Catalog Number	For use with Premier Enclosures
12PMK	12" width
16PMK	16" width
20PMK	20" width
24PMK	24" width
30PMK	30" width

Hardware

Phillips head screws and cage nuts are available in #10-32, #12-24 or M6 and allow mounting of equipment to untapped holes in rack mounting angles and swing-out rack frame.



Catalog Number	Screw Type
E2-MA-1032-PHMS-100	#10-32 Phillips
E2-MA-1224-PHMS-100	#12-24 Phillips
E2-MA-M6-PHMS-100	M6 Phillips
Catalog Number	Cage Nut Type
E2-MA-CN-1032-100	#10-32 Tapped
E2-MA-CN-1224-100	#12-24 Tapped
E2-MA-CN-M6-100	M6 Tapped

Sold in bags of 100 pieces.

Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Type 4X Panel Enclosures

Wall-Mount Enclosures Type 4X Single-Door with 3-Point Locking Data Sheet and Catalog Number



Application

- Houses electrical controls and instruments
- Intended for indoor or outdoor use where a corrosive environment exists
- Protects against windblown dust and rain, splashing water and hose directed water

Standards

- UL 508 Listed, Type 3R, 4, 4X, 12
- CSA C22.2 No.94 certified, Type 3R, 4, 4X, 12
- Conforms to NEMA Standards for Type 3, 3R, 4, 4X, 12
- Meets NEMA Type 3RX requirements

Finish

- Door and sides of body have a smooth #4 brushed finish

Accessories

- Panels
- Swing-out panel kits
- NEMA terminal kits
- Window kits
- Floor stand kit
- Replacement handle, T4PHSS, see page 423

Construction

- Enclosure and door are fabricated from (14) gauge stainless steel
- All continuous welded seams are finished smooth
- Stainless Steel continuous hinge and pin
- Internal 3-point latching with a stainless padlocking handle
- Door has a seamless poured in-place gasket
- Formed lip around enclosure opening diverts liquids and contaminants
- Ground stud provided on door
- Print pocket provided
- .375-16 colar studs are provided for mounting optional panel
- External mounting feet

Discount Schedule: C2

Subclass: DGO (SS4) & D00 (SS6)

Type 4X Panel Enclosures

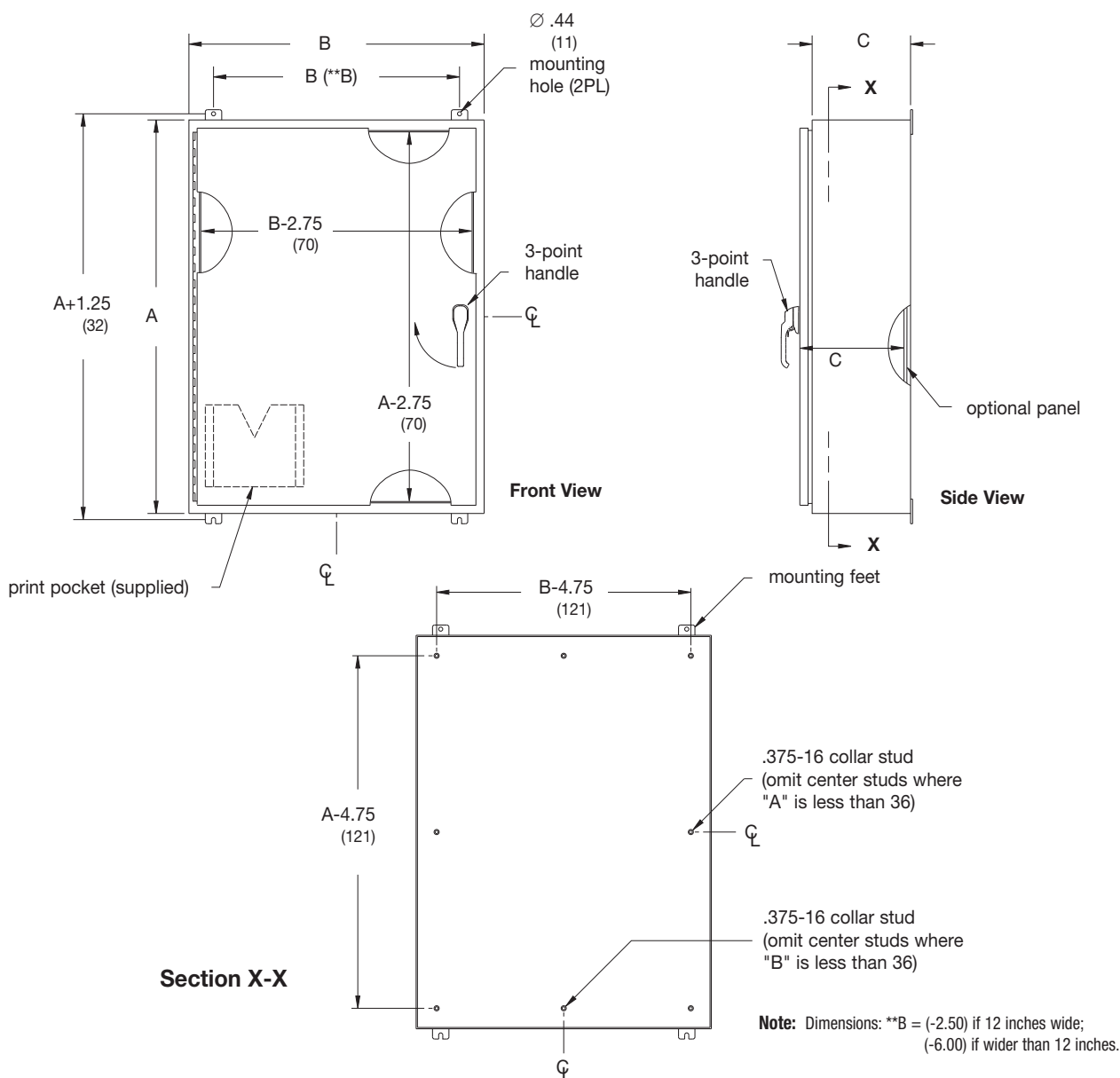
Enclosure		Enclosure Size Height x Width x Depth A x B x C		Panel	Conductive Panel	Panel Size	
Type 304 Catalog Number	Type 316L Catalog Number	in.	mm	Catalog Number	Catalog Number	Height in.	Width mm
24206-4XS3PT	24206-4XSS63PT	24 x 20 x 6	609 x 508 x 152	AW2420P	AW2420GP	20.87 x 16.87	530 x 428
24208-4XS3PT	24208-4XSS63PT	24 x 20 x 8	609 x 508 x 203	AW2420P	AW2420GP	20.87 x 16.87	530 x 428
24248-4XS3PT	24248-4XSS63PT	24 x 24 x 8	609 x 609 x 203	AW2424P	AW2424GP	20.87 x 20.87	530 x 530
30248-4XS3PT	30248-4XSS63PT	30 x 24 x 8	762 x 609 x 203	AW3024P	AW3024GP	26.87 x 20.87	682 x 530
30308-4XS3PT	30308-4XSS63PT	30 x 30 x 8	762 x 762 x 203	AW3030P	AW3030GP	26.87 x 26.87	682 x 682
36248-4XS3PT	36248-4XSS63PT	36 x 24 x 8	914 x 609 x 203	AW3624P	AW3624GP	32.87 x 20.87	835 x 530
36308-4XS3PT	36308-4XSS63PT	36 x 30 x 8	914 x 762 x 203	AW3630P	AW3630GP	32.87 x 26.87	835 x 682
48368-4XS3PT	48368-4XSS63PT	48 x 36 x 8	zzz x 914 x 203	AW4836P	AW4836GP	44.87 x 32.87	1139 x 835
242010-4XS3PT	242010-4XSS63PT	24 x 20 x 10	609 x 508 x 254	AW2420P	AW2420GP	20.87 x 16.87	530 x 428
363010-4XS3PT	363010-4XSS63PT	36 x 30 x 10	914 x 762 x 254	AW3630P	AW3630GP	32.87 x 26.87	835 x 682
423010-4XS3PT	423010-4XSS63PT	42 x 30 x 10	1067 x 762 x 254	AW4230P	AW4230GP	38.87 x 26.87	987 x 682
483610-4XS3PT	483610-4XSS63PT	48 x 36 x 10	1219 x 914 x 254	AW4836P	AW4836GP	44.87 x 32.87	1139 x 835

Continued on following page

Notes: Cooper B-Line can provide special sizes, finishes and other modifications. Consult the factory for your special requirements.

Wall-Mount Enclosures Type 4X Single-Door with 3-Point Locking Illustration Sheet and Catalog Number

Enclosure		Enclosure Size Height x Width x Depth A x B x C		Panel	Conductive Panel	Panel Size	
Type 304 Catalog Number	Type 316L Catalog Number	in.	mm	Catalog Number	Catalog Number	in.	mm
242412-4XS3PT	242412-4XSS63PT	24 x 24 x 12	609 x 609 x 305	AW2424P	AW2424GP	20.87 x 20.87	530 x 530
302412-4XS3PT	302412-4XSS63PT	30 x 24 x 12	762 x 609 x 305	AW3024P	AW3024GP	26.87 x 20.87	682 x 530
363012-4XS3PT	363012-4XSS63PT	36 x 30 x 12	914 x 762 x 305	AW3630P	AW3630GP	32.87 x 26.87	835 x 682
363612-4XS3PT	363612-4XSS63PT	36 x 36 x 12	914 x 914 x 305	AW3636P	AW3636GP	32.87 x 32.87	835 x 835
423612-4XS3PT	423612-4XSS63PT	42 x 36 x 12	1067 x 914 x 305	AW4236P	AW4236GP	38.87 x 32.87	987 x 835
483612-4XS3PT	483612-4XSS63PT	48 x 36 x 12	1219 x 914 x 305	AW4836P	AW4836GP	44.87 x 32.87	1139 x 835
603612-4XS3PT	603612-4XSS63PT	60 x 36 x 12	1524 x 914 x 305	AW6036P	AW6036GP	56.87 x 32.87	1444 x 835
483616-4XS3PT	483616-4XSS63PT	48 x 36 x 16	1219 x 914 x 406	AW4836P	AW4836GP	44.87 x 32.87	1139 x 835
603616-4XS3PT	603616-4XSS63PT	60 x 36 x 16	1524 x 914 x 406	AW6036P	AW6036GP	56.87 x 32.87	1444 x 835



Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Type 4X Panel Enclosures

Wall-Mount Enclosures Type 4X Double-Door with 3-Point Locking Data Sheet and Catalog Number



Application

- Houses electrical controls and instruments
- Intended for indoor or outdoor use where a corrosive environment exists
- Protects against corrosion, windblown dust and rain, splashing water and hose directed water

Standards

- UL 508 Listed, Type 3R, 4, 4X, 12
- CSA C22.2 No.94 certified, Type 3R, 4, 4X, 12
- Conforms to NEMA Standards for Type 3, 3R, 4, 4X, 12
- Meets NEMA Type 3RX requirements

Finish

- Door and sides of body have a smooth #4 brushed finish

Accessories

- Panels
- Swing-out panel kits
- Window kits
- Floor stand kit
- Lights
- Replacement handle, T4PHSS, see page 423

Construction

- Enclosure and cover are fabricated from (14) Gauge Stainless Steel
- All continuous welded seams are finished smooth
- Stainless steel continuous hinge and pin
- Internal 3-point latching with stainless padlocking handles
- Removable centerpost for easy panel installation
- Doors have a seamless poured in-place gasket
- Formed lip around enclosure opening diverts liquids and contaminants
- Ground stud provided on door
- Print pocket provided
- .375-16 colar studs are provided for mounting optional panel
- External mounting feet

Discount Schedule: C2

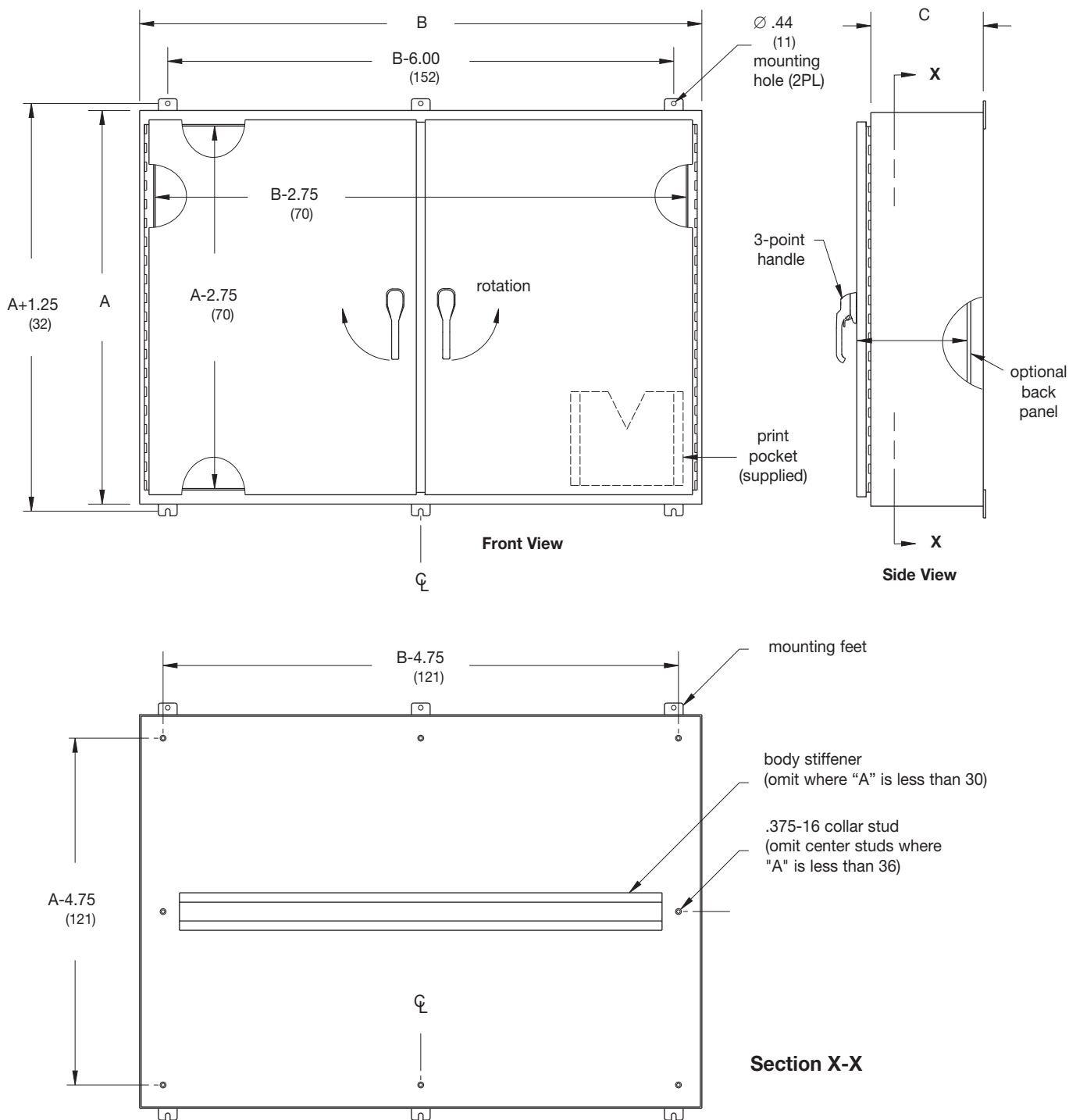
Subclass: DJ0

Enclosure Catalog Number	Enclosure Size Height x Width x Depth A x B x C		Panel Catalog Number	Conductive Panel Catalog Number	Panel Size Height x Width	
	in.	mm			in.	mm
24428-4XSD3PT	24 x 42 x 8	609 x 1067 x 203	AW4224P	--	38.87 x 20.87	987 x 530
24488-4XSD3PT	24 x 48 x 8	609 x 1219 x 203	AW4824P	--	44.87 x 20.87	1139 x 530
304210-4XSD3PT	30 x 42 x 10	762 x 1067 x 254	AW4230P	AW4230GP	38.87 x 26.87	987 x 682
304810-4XSD3PT	30 x 48 x 10	762 x 1219 x 254	AW4830P	AW4830GP	44.87 x 26.87	1139 x 682
306010-4XSD3PT	30 x 60 x 10	762 x 1524 x 254	AW6030P	--	56.87 x 26.87	1444 x 682
364212-4XSD3PT	36 x 42 x 12	914 x 1067 x 305	AW4236P	AW4236GP	38.87 x 32.87	987 x 835
364812-4XSD3PT	36 x 48 x 12	914 x 1219 x 305	AW4836P	AW4836GP	44.87 x 32.87	1139 x 835
366012-4XSD3PT	36 x 60 x 12	914 x 1524 x 305	AW6036P	AW6036GP	56.87 x 32.87	1444 x 835
424212-4XSD3PT	42 x 42 x 12	1067 x 1067 x 305	AW4242P	--	38.87 x 38.87	987 x 987
424812-4XSD3PT	42 x 48 x 12	1067 x 1219 x 305	AW4842P	AW4824GP	44.87 x 38.87	1139 x 987
426012-4XSD3PT	42 x 60 x 12	1067 x 1524 x 305	AW6042P	--	56.87 x 38.87	1444 x 987
484812-4XSD3PT	48 x 48 x 12	1219 x 1219 x 305	AW4848P	--	44.87 x 44.87	1139 x 1139

Notes: Cooper B-Line can provide special sizes, finishes and other modifications. Consult the factory for your special requirements.

Type 4X Panel Enclosures

Wall-Mount Enclosures Type 4X Double-Door with 3-Point Locking Illustration Sheet



Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Type 4X Panel Enclosures

Ground-Mount Enclosures Type 4X Double-Door Floor-Standing Data Sheet and Catalog Number



Finish

- Doors and sides of body have a smooth #4 brushed finish

Accessories

- Panels
- Leg stabilizer kit
- See Accessories section

Construction

- Enclosure and door are fabricated from (12) gauge, Type 304 or Type 316L stainless steel
- All continuous welded seams are finished smooth
- Each door is secured to the body with a heavy-duty, stainless steel continuous hinge and pin on one side and easy-to-release stainless steel door clamps mounted to the other three sides
- Print pocket provided
- Each door has a padlock hasp with sealing hole provision
- Doors have a seamless, poured in-place gasket
- Ground stud provided on door
- Removable center post for complete front access
- Heavy gauge angle supports and .375-16 collar studs are provided for mounting optional panel
- Large lifting eyebolts are supplied
- Mounting legs are provided for floor mounting

Application

- Houses electrical controls and instruments
- Intended for indoor or outdoor use where a corrosive environment exists
- Protects against corrosion, windblown dust and rain, splashing water and hose directed water

Standards

- UL 508 listed, Type 4, Type 4X, and Type 12
- CSA C22.2 No.94 certified, Type 4, Type 4X, and Type 12
- Conforms to NEMA standard for Type 4, Type 4X, and Type 12

Discount Schedule: C2

Subclass: DJO & TUO

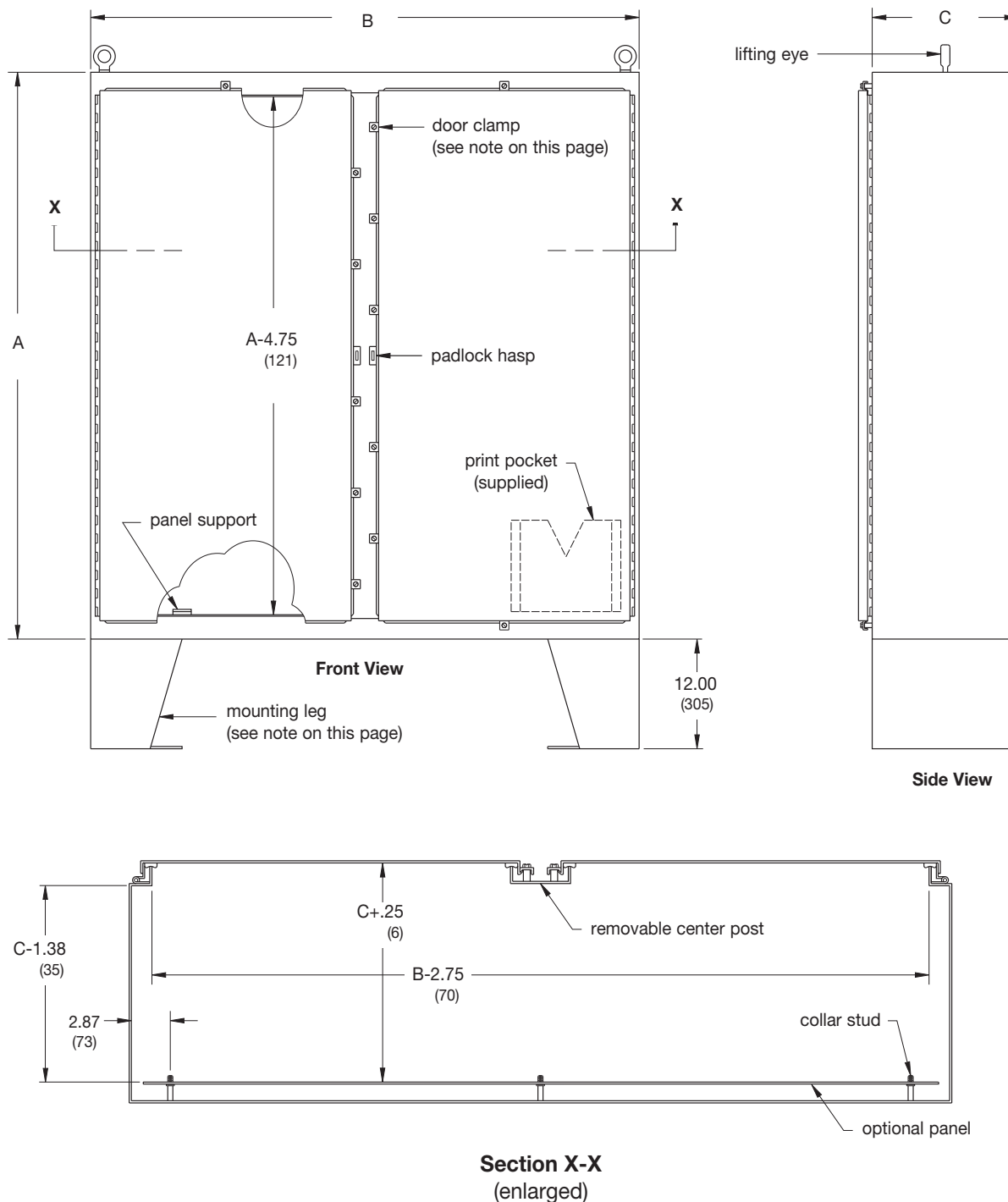
Type 4X Panel Enclosures

Enclosure Catalog Number Stainless Steel		Enclosure Size Height x Width x Depth A x B x C		Panel Catalog Number	Panel Size Height x Width	
Type 304	Type 316L	in.	mm	Steel	in.	mm
624810-4XSFD	624810-4XSS6FD	62.00 x 48.00 x 10.00	1575 x 1219 x 254	AW6048P	55.87 x 43.87	1419 x 1114
624812-4XSFD	624812-4XSS6FD	62.00 x 48.00 x 12.00	1575 x 1219 x 305	AW6048P	55.87 x 43.87	1419 x 1114
626012-4XSFD	626012-4XSS6FD	62.00 x 60.00 x 12.00	1575 x 1524 x 305	AW6060P	55.87 x 55.87	1419 x 1419
746012-4XSFD	746012-4XSS6FD	74.00 x 60.00 x 12.00	1880 x 1524 x 305	AW7260P	67.87 x 55.87	1724 x 1419
747212-4XSFD	747212-4XSS6FD	74.00 x 72.00 x 12.00	1880 x 1829 x 305	AW7272P	67.87 x 67.87	1724 x 1724
747224-4XSFD	747224-4XSS6FD	74.00 x 72.00 x 24.00	1880 x 1829 x 610	AW7272P	67.87 x 67.87	1724 x 1724

Notes: Cooper B-Line can provide special sizes, finishes and other modifications. Consult the factory for your special requirements. Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Type 4X Panel Enclosures

Ground-Mount Enclosures Type 4X Double-Door Floor-Standing Illustration Sheet



Notes: Clamps are mounted along three sides of the enclosure door. Spacing between clamps along side opposite the hinge does not exceed 15 inches. Four lifting eyes are furnished when C dimension is 24". Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Type 4X Panel Enclosures

Ground-Mount Enclosures Type 4X Double-Door Floor-Standing, Aluminum Data Sheet and Catalog Number



Finish

- Doors and sides of body have a smooth #4 brushed finish

Accessories

- Panels
- Leg stabilizer kit
- See Accessories section

Construction

- Enclosure and door are fabricated from (.125) thick, Type 5052-H32 aluminum
- All continuous welded seams are finished smooth
- Each door is secured to the body with a heavy-duty, aluminum continuous hinge and pin on one side and easy-to-release stainless steel door clamps mounted to the other three sides
- Print pocket provided
- Each door has a padlock hasp with sealing hole provision
- Doors have a seamless poured in-place gasket
- Removable center post for complete front access
- Heavy gauge angle supports and .375-16 collar studs are provided for mounting optional panel
- Large lifting eyebolts are supplied
- Mounting legs are provided for floor mounting

Application

- Houses electrical controls and instruments
- Intended for indoor or outdoor use where a corrosive environment exists
- Protects against corrosion, windblown dust and rain, splashing water and hose directed water

Standards

- UL 508 listed, Type 4, Type 4X, and Type 12
- CSA C22.2 No.94 certified, Type 4, Type 4X, and Type 12
- Conforms to NEMA standard for Type 4, Type 4X, and Type 12

Discount Schedule: C2

Subclass: DJ0

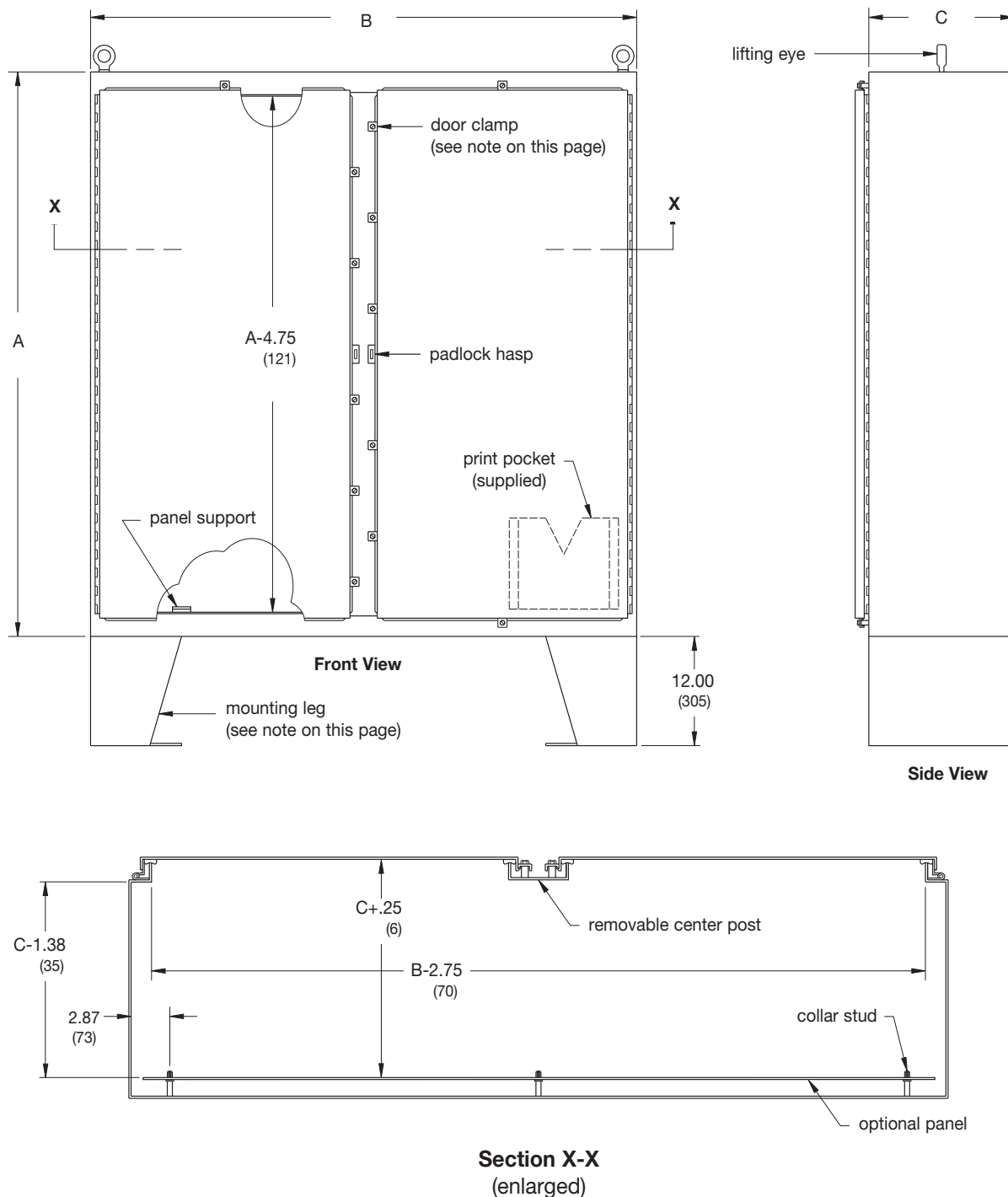
Type 4X Panel Enclosures

Enclosure Catalog Number	Enclosure Size Height x Width x Depth A x B x C		Panel Catalog Number Steel	Panel Size Height x Width	
	in.	mm		in.	mm
624810-4XAFD	62.00 x 48.00 x 10.00	1575 x 1219 x 254	AW6048P	55.87 x 43.87	1419 x 1114
624812-4XAFD	62.00 x 48.00 x 12.00	1575 x 1219 x 305	AW6048P	55.87 x 43.87	1419 x 1114
626012-4XAFD	62.00 x 60.00 x 12.00	1575 x 1524 x 305	AW6060P	55.87 x 55.87	1419 x 1419
746012-4XAFD	74.00 x 60.00 x 12.00	1880 x 1524 x 305	AW7260P	67.87 x 55.87	1724 x 1419
747212-4XAFD	74.00 x 72.00 x 12.00	1880 x 1829 x 305	AW7272P	67.87 x 67.87	1724 x 1724
747224-4XAFD	74.00 x 72.00 x 24.00	1880 x 1829 x 610	AW7272P	67.87 x 67.87	1724 x 1724

Notes: Cooper B-Line can provide special sizes, finishes and other modifications. Consult the factory for your special requirements. Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Type 4X Panel Enclosures

Ground-Mount Enclosures Type 4X Double-Door Floor-Standing, Aluminum Illustration Sheet



Notes: Clamps are mounted along three sides of the enclosure door. Spacing between clamps along side opposite the hinge does not exceed 15 inches. Four lifting eyes are furnished when C dimension is 24". Mounting legs shipped unassembled on aluminum enclosures. Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Type 4X Panel Enclosures

Ground-Mount Enclosures

Type 4X Double-Door Floor-Standing with Quarter-Turn Latches

Data Sheet and Catalog Number



Application

- Houses electrical controls and instruments
- Intended for indoor or outdoor use where a corrosive environment exists
- Protects against corrosion, windblown dust and rain, splashing water and hose directed water

Standards

- UL 508 listed, Type Type 3R, 4, Type 4X, Type 12
- CSA C22.2 No.94 certified, Type 3R, Type 4, Type 4X, Type 12
- Conforms to NEMA standard for Type 3, Type 3R, Type 4, Type 4X, Type 12
- Meets NEMA Type 3RX requirements

Finish

- Door and sides of body have a smooth #4 brushed finish

Accessories

- Panels
- Panel Support Kit
- Panel Lifting Kit
- Leg stabilizer kit
- Lights
- Window kits

Construction

- Enclosure and doors are fabricated from (12) gauge steel
- All continuous welded seams are finished smooth
- Stainless steel continuous hinges and pins
- Slotted quarter-turn flush latch(es)
- Doors have a seamless poured-in place gasket
- Removable centerpost for easy panel installation
- Formed lip around enclosure opening diverts liquids and contaminants
- Ground stud provided on door
- Print pocket provided
- Heavy gauge angle supports and .375-16 collar studs are provided for mounting optional panel
- Large lifting eyebolts
- Mounting legs

Discount Schedule: C2

Subclass: DJO

Enclosure Catalog Number	Enclosure Size Height x Width x Depth A x B x C		Panel Catalog Number	Panel Size Height x Width	
	in.	mm		in.	mm
604812-4XSFDQT	60 x 48 x 12	1524 x 1219 x 305	AW6048P	55.87 x 43.87	1419 x 1114
606012-4XSFDQT	60 x 60 x 12	1524 x 1524 x 305	AW6060P	55.87 x 55.87	1419 x 1419
726012-4XSFDQT	72 x 60 x 12	1829 x 1524 x 305	AW7260P	67.87 x 55.87	1724 x 1419
727212-4XSFDQT	72 x 72 x 12	1829 x 1829 x 305	AW7272P	67.87 x 67.87	1724 x 1724
604818-4XSFDQT	60 x 48 x 18	1524 x 1219 x 457	AW6048P	55.87 x 43.87	1419 x 1114
606018-4XSFDQT	60 x 60 x 18	1524 x 1524 x 457	AW6060P	55.87 x 55.87	1419 x 1419
726018-4XSFDQT	72 x 60 x 18	1829 x 1524 x 457	AW7260P	67.87 x 55.87	1724 x 1419
727218-4XSFDQT	72 x 72 x 18	1829 x 1829 x 457	AW7272P	67.87 x 67.87	1724 x 1724
727224-4XSFDQT	72 x 72 x 24	1829 x 1829 x 609	AW7272P	67.87 x 67.87	1724 x 1724

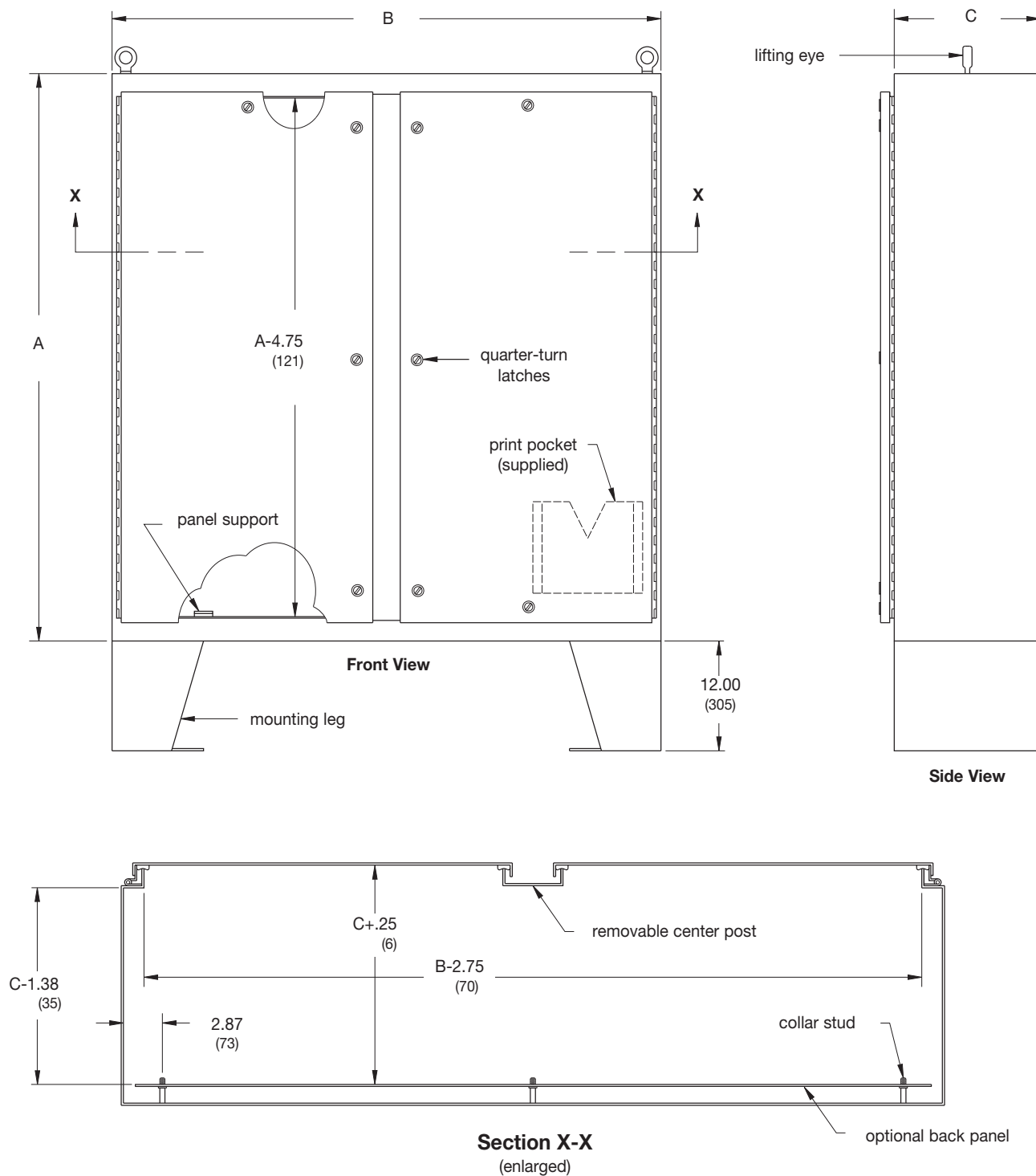
Notes: Cooper B-Line can provide special sizes, finishes and other modifications. Consult the factory for your special requirements. Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Type 4X Panel Enclosures

Ground-Mount Enclosures

Type 4X Double-Door Floor-Standing with Quarter-Turn Latches

Illustration Sheet



Notes: Four lifting eyes are furnished when C dimension is 24".
Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Type 4X Panel Enclosures

Ground-Mount Enclosures

Type 4X Double-Door Floor-Standing with 3-Point Locking

Data Sheet and Catalog Number



Application

- Houses electrical controls and instruments
- Intended for indoor or outdoor use where a corrosive environment exists
- Protects against corrosion, windblown dust and rain, splashing water and hose directed water

Standards

- UL 508 listed, Type 3R, Type 4, Type 4X, Type 12
- CSA C22.2 No.94 certified, Type 3R, Type 4, Type 4X, Type 12
- Conforms to NEMA standard for Type 3, Type 3R, Type 4, Type 4X, Type 12
- Meets NEMA Type 3RX requirements

Finish

- Door and sides of body have a smooth #4 brushed finish

Accessories

- Panels
- Panel Support Kit
- Panel Lifting Kit
- Leg stabilizer kit
- Lights
- Window kits
- Replacement handle, T4PHSS, see page 423

Construction

- Enclosure and doors are fabricated from (12) gauge stainless steel
- All continuous welded seams are finished smooth
- Stainless Steel continuous hinges and pins
- Internal 3-point latching with stainless padlocking handles
- Doors have a seamless poured in-place gasket
- Removable centerpost for easy panel installation
- Formed lip around enclosure opening diverts liquids and contaminants
- Ground stud provided on door
- Print pocket provided
- Heavy gauge angle supports and .375-16 collar studs are provided for mounting optional panel
- Large lifting eyebolts
- Mounting legs

Discount Schedule: C2

Subclass: DJ0

Type 4X Panel Enclosures

Enclosure		Enclosure Size Height x Width x Depth		Panel	Panel Size	
Type 304 Catalog Number	Type 316L Catalog Number	A x B x C		Catalog Number	Height x Width	
		in.	mm		in.	mm
624812-4XSFD3PT	624812-4XSS6FD3PT	62 x 48 x 12	1575 x 1219 x 305	AW6048P	55.87 x 43.87	1419 x 1114
626012-4XSFD3PT	626012-4XSS6FD3PT	62 x 60 x 12	1575 x 1524 x 305	AW6060P	55.87 x 55.87	1419 x 1419
746012-4XSFD3PT	746012-4XSS6FD3PT	74 x 60 x 12	1879 x 1524 x 305	AW7260P	67.87 x 55.87	1724 x 1419
747212-4XSFD3PT	747212-4XSS6FD3PT	74 x 72 x 12	1879 x 1829 x 305	AW7272P	67.87 x 67.87	1724 x 1724
624818-4XSFD3PT	624818-4XSS6FD3PT	62 x 48 x 18	1575 x 1219 x 457	AW6048P	55.87 x 43.87	1419 x 1114
747224-4XSFD3PT	747224-4XSS6FD3PT	74 x 72 x 24	1879 x 1829 x 609	AW7272P	67.87 x 67.87	1724 x 1724

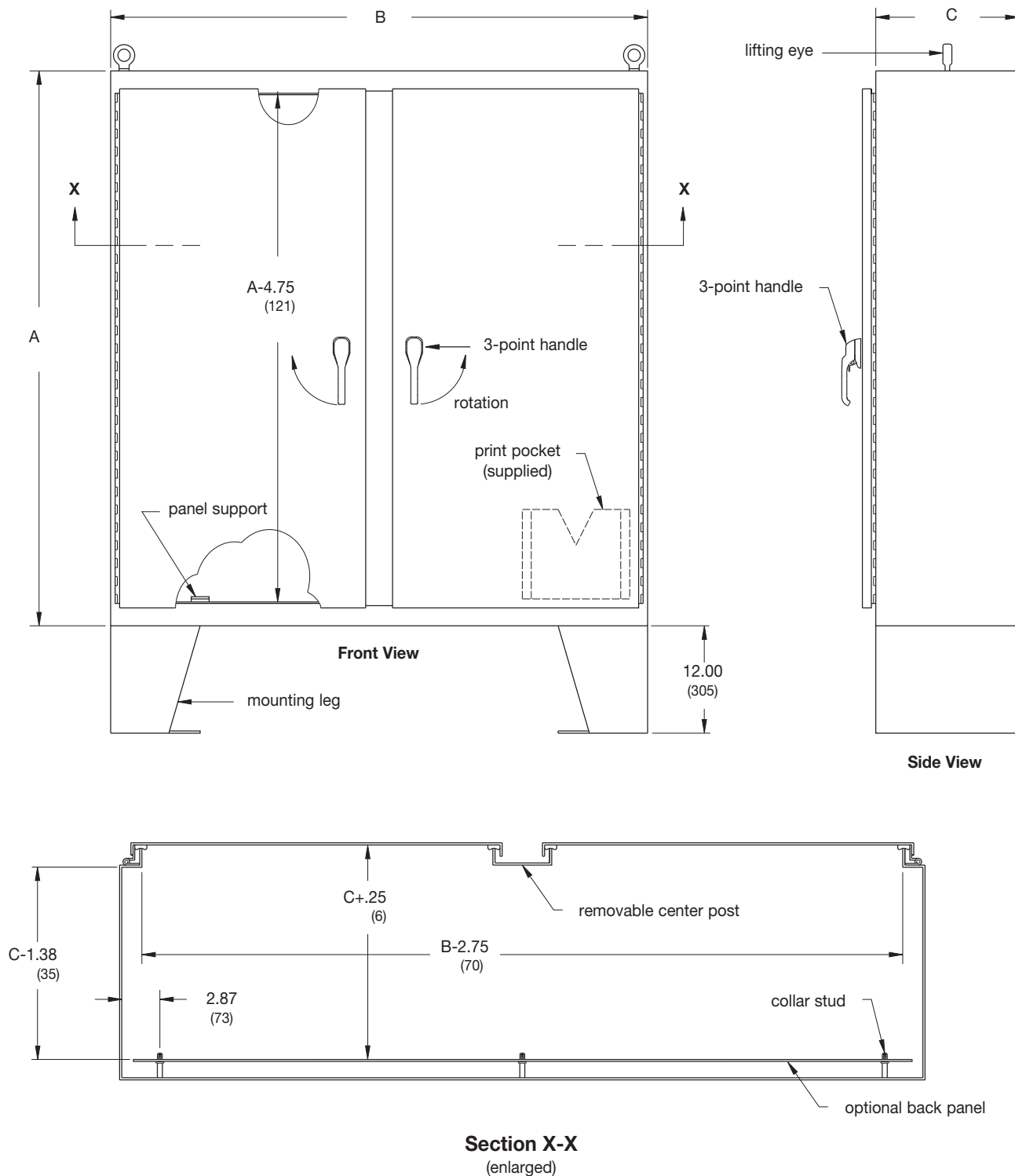
Notes: Cooper B-Line can provide special sizes, finishes and other modifications. Consult the factory for your special requirements. Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Type 4X Panel Enclosures

Ground-Mount Enclosures

Type 4X Double-Door Floor-Standing with 3-Point Locking

Illustration Sheet



Notes: Four lifting eyes are furnished when C dimension is 24".
Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Type 4X Panel Enclosures

Ground-Mount Enclosures Type 4X Single-Door Free-Standing Data Sheet



Application

- Houses electrical controls and instruments
- Easy access fixed or swing panels for mounting optional equipment
- Intended for indoor or outdoor use
- Protects against corrosion, windblown dust and rain, splashing water and hose directed water

Standards

- UL 508 listed, Type 4, Type 4X, and Type 12
- CSA C22.2 No.94 certified, Type 4, Type 4X, and Type 12
- Conforms to NEMA standard for Type 4, Type 4X, and Type 12
- E.I.A. RS-310-D

Finish

- Door and sides of body have a smooth #4 brushed finish

Accessories

- Full and half panels
- Side and swing panels
- Channel mounting hardware
- Equipment rack mounts
- Touch-up paint
- See Accessories section

Construction

- Enclosure and door are fabricated from (12) gauge, Type 304 or Type 316L stainless steel
- All continuous welded seams are finished smooth
- Doors are secured to the body with a heavy-duty, stainless steel continuous hinge on one side and easy to release stainless steel door clamps mounted to the other three sides
- Door has a seamless poured in-place gasket
- Ground stud provided on door
- Each door has a padlock hasp with sealing hole provision
- Print pocket provided
- Large lifting eyebolts are supplied
- Mounting channels are welded inside for locating panels or rack mount equipment along enclosure depth
- A variety of optional panels and accessories are available (see accessories pages 242-253)

Discount Schedule: C2

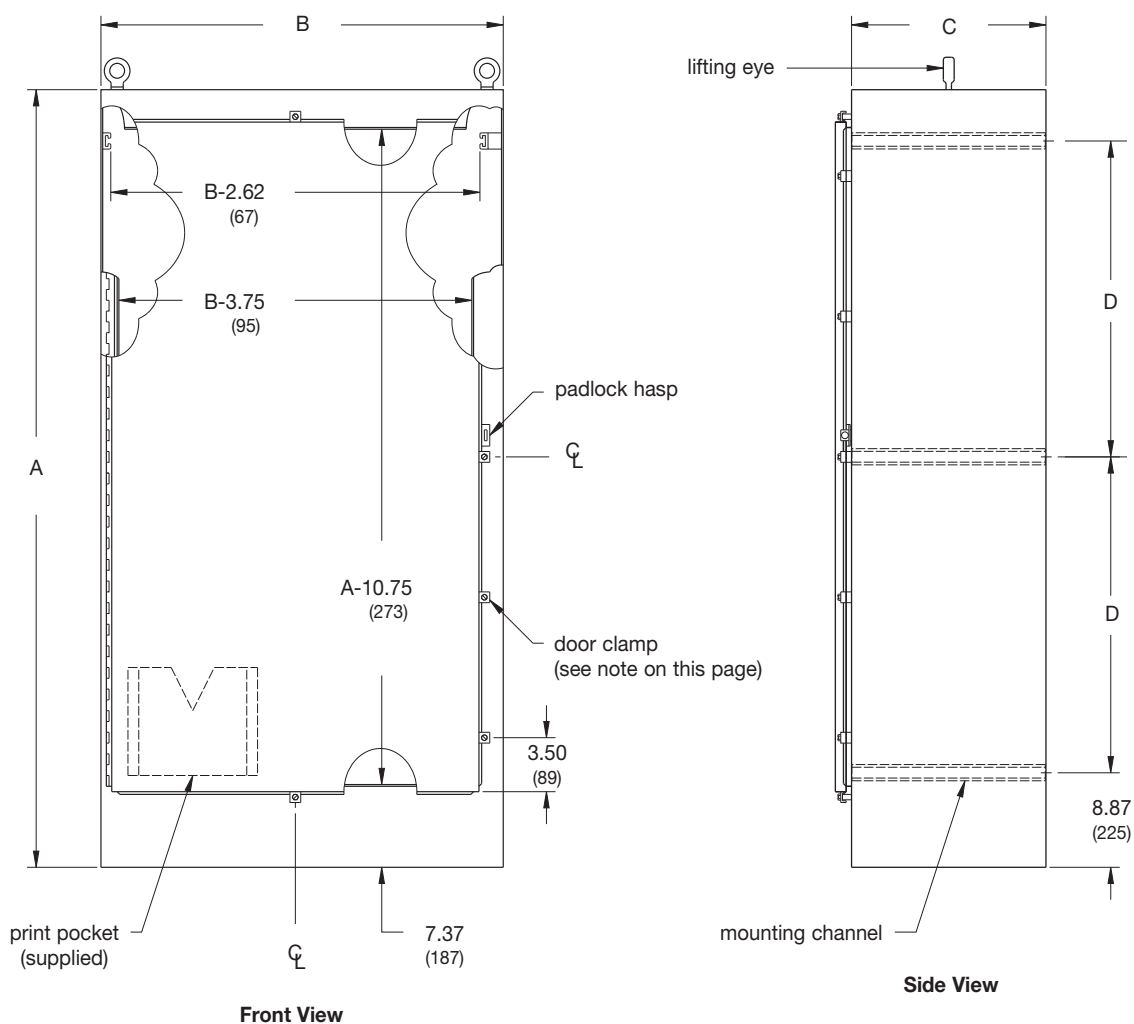
Subclass: U40

Notes: Cooper B-Line can provide special sizes, finishes and other modifications. Consult the factory for your special requirements.

Type 4X Panel Enclosures

Ground-Mount Enclosures Type 4X Single-Door Free-Standing Catalog Number and Illustration Sheet

Enclosure Catalog Number		Enclosure Size Height x Width x Depth A x B x C		D	
Type 304	Type 316L	in.	mm	in.	mm
722518-4XSFS	722518-4XSS6FS	72.00 x 25.00 x 18.00	1829 x 635 x 457	29.12	740
723118-4XSFS	723118-4XSS6FS	72.00 x 31.00 x 18.00	1829 x 787 x 457	29.12	740
723718-4XSFS	723718-4XSS6FS	72.00 x 37.00 x 18.00	1829 x 940 x 457	29.12	740
722524-4XSFS	722524-4XSS6FS	72.00 x 25.00 x 24.00	1829 x 635 x 610	29.12	740
723124-4XSFS	723124-4XSS6FS	72.00 x 31.00 x 24.00	1829 x 787 x 610	29.12	740
723724-4XSFS	723724-4XSS6FS	72.00 x 37.00 x 24.00	1829 x 940 x 610	29.12	740



Notes: Clamps are mounted along three sides of the enclosure door. Spacing between clamps along side opposite the hinge does not exceed 15 inches. Four lifting eyes are furnished when C dimension is 24". Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Type 4X Panel Enclosures

Ground-Mount Enclosures

Type 4X Single-Door Free-Standing with Quarter-Turn Latches

Data Sheet and Catalog Number



Application

- Houses electrical controls and instruments
- Easy access panels or rack mounts for housing optional equipment
- Intended for indoor or outdoor use
- Protects against corrosion, windblown dust and rain, splashing water and hose directed water

Standards

- UL 508 listed, Type 3R, Type 4, Type 4X, Type 12
- CSA C22.2 No.94 certified, Type 3R, Type 4, Type 4X, Type 12
- Conforms to NEMA standard for Type 3, Type 3R, Type 4, Type 4X, Type 12
- E.I.A. RS-310-D
- Meets NEMA Type 3RX requirements

Finish

- Door and sides of body have a smooth #4 brushed finish

Accessories

- Full and half panels
- Side and swing panels
- Panel Support Kit
- Panel Lifting Kit
- Channel mounting hardware
- Equipment Rack Mounts
- Lights
- Window kits

Construction

- Enclosure and doors are fabricated from (12) gauge stainless steel
- All continuous welded seams are finished smooth
- Heavy-Duty stainless steel continuous hinges and pins
- Slotted quarter-turn flush latch(es)
- Door has a seamless poured in-place gasket
- Formed lip around enclosure opening diverts liquids and contaminants
- Ground stud provided on door
- Print pocket provided
- Mounting channels are welded inside for locating panels or rack-mount equipment along enclosure depth
- Provision for mounting fluorescent light
- Large lifting eyebolts

Discount Schedule: C2

Subclass: U40

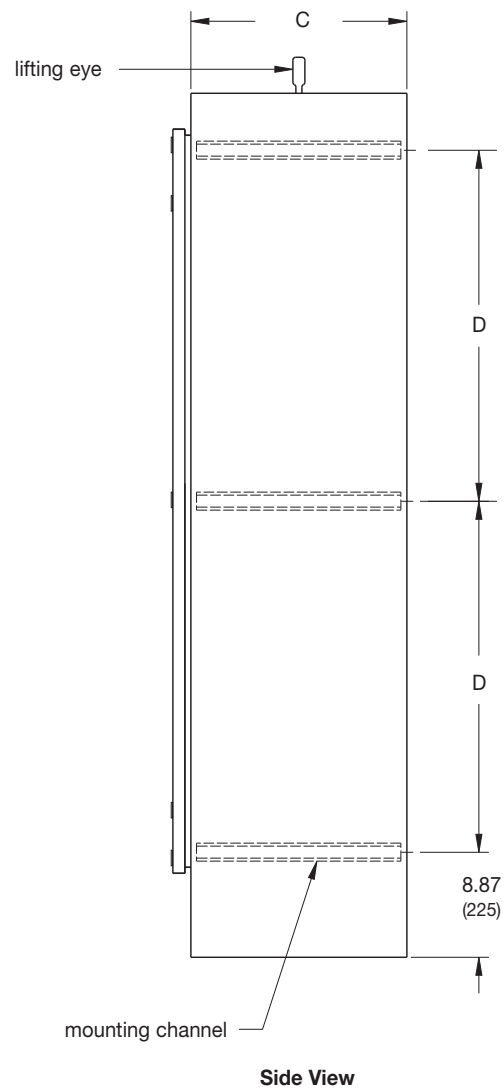
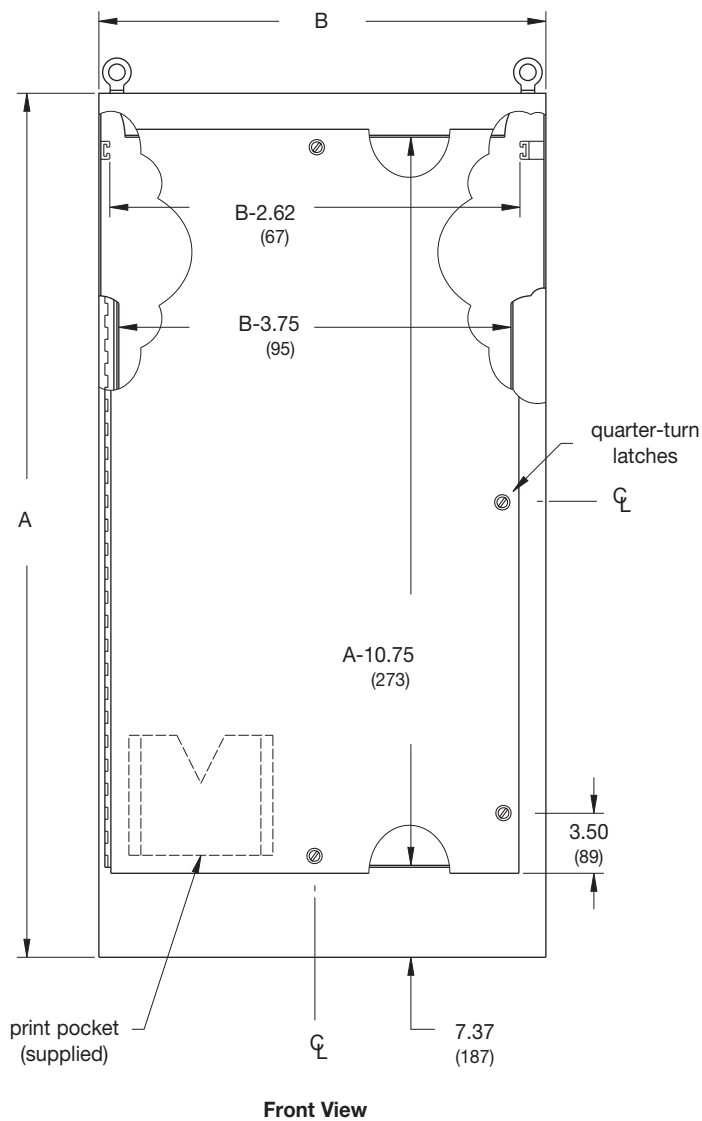
Enclosure Catalog Number	Enclosure Size Height x Width x Depth A x B x C		D	
	in.	mm	in.	mm
722418-4XSFSQT	72 x 24 x 18	1829 x 609 x 457	29.12	739
723024-4XSFSQT	72 x 30 x 24	1829 x 762 x 609	29.12	739
723624-4XSFSQT	72 x 36 x 24	1829 x 914 x 609	29.12	739

Notes: Cooper B-Line can provide special sizes, finishes and other modifications. Consult the factory for your special requirements. Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Ground-Mount Enclosures

Type 4X Single-Door Free-Standing with Quarter-Turn Latches

Illustration Sheet



Type 4X Panel Enclosures

Notes: Four lifting eyes are furnished when C dimension is 24".
 Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Type 4X Panel Enclosures

Ground-Mount Enclosures

Type 4X Single-Door Free-Standing with 3-Point Locking

Data Sheet



Application

- Houses electrical controls and instruments
- Easy access panels or rack mounts for housing optional equipment
- Intended for indoor or outdoor use
- Protects against corrosion, windblown dust and rain, splashing water and hose directed water

Standards

- UL 508 listed, Type 3R, Type 4, Type 4X, Type 12
- CSA C22.2 No.94 certified, Type 3R, Type 4, Type 4X, Type 12
- Conforms to NEMA standard for Type 3, Type 3R, Type 4, Type 4X, Type 12
- E.I.A. RS-310-D
- Meets NEMA Type 3RX requirements

Finish

- Door and sides of body have a smooth #4 brushed finish

Accessories

- Full and half panels
- Side and swing panels
- Panel Support Kit
- Panel Lifting Kit
- Channel mounting hardware
- Equipment Rack Mounts
- Lights
- Window kits
- Replacement handle, T4PHSS, see page 423

Construction

- Enclosure and doors are fabricated from (12) gauge stainless steel
- All continuous welded seams are finished smooth
- Heavy-Duty stainless steel continuous hinges and pins
- Internal 3-point latching with stainless padlocking handles
- Door has a seamless poured in-place gasket
- Formed lip around enclosure opening diverts liquids and contaminants
- Ground stud provided on door
- Print pocket provided
- Mounting channels are welded inside for locating panels or rack-mount equipment along enclosure depth
- Provision for mounting fluorescent light
- Large lifting eyebolts

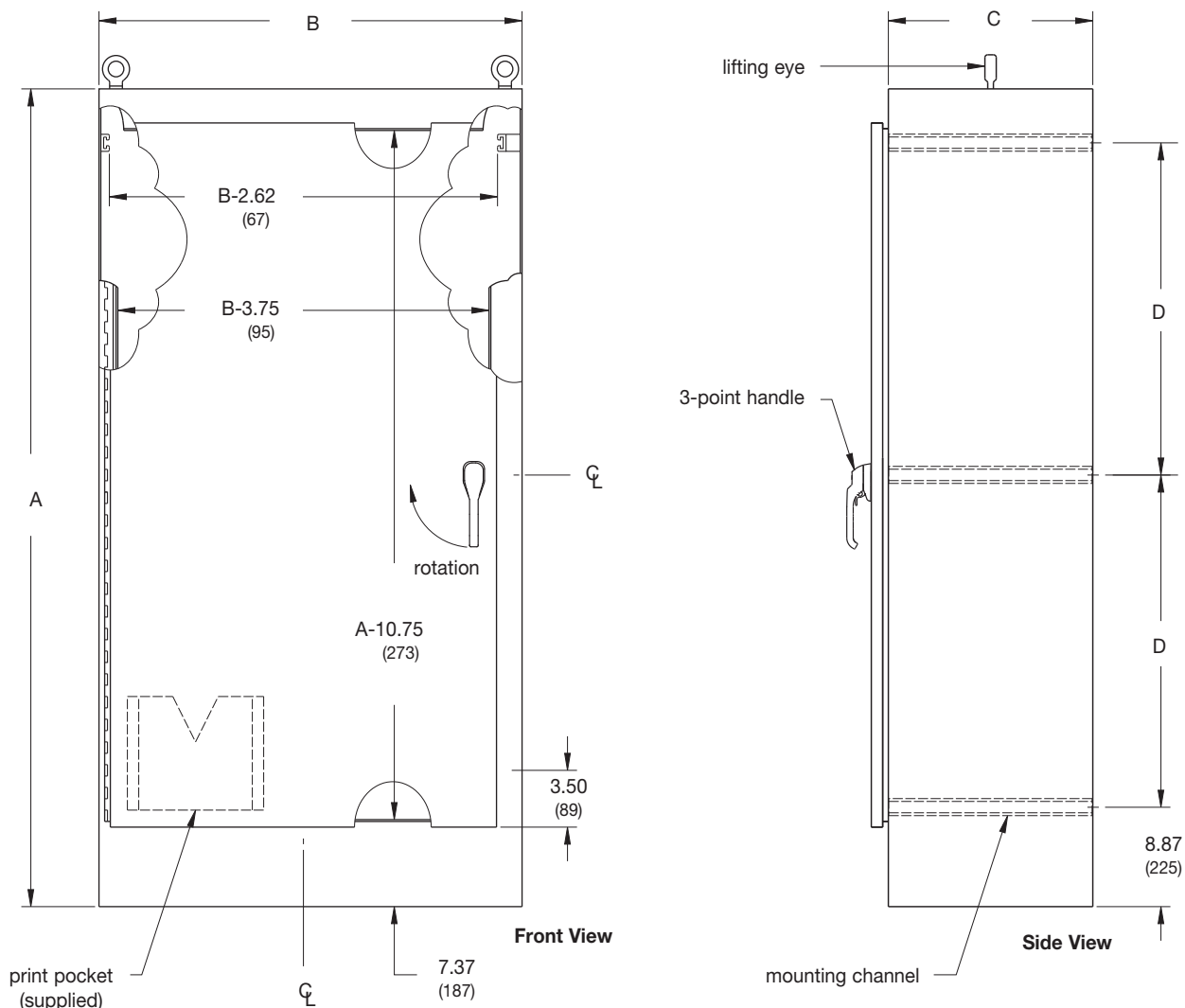
Discount Schedule: C2

Subclass: U40

Notes: Cooper B-Line can provide special sizes, finishes and other modifications. Consult the factory for your special requirements. Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Ground-Mount Enclosures Type 4X Single-Door Free-Standing with 3-Point Locking Illustration Sheet and Catalog Number

Enclosure Catalog Number	Enclosure Size Height x Width x Depth A x B x C		D	
	in.	mm	in.	mm
602418-4XSFS3PT	60 x 24 x 18	1524 x 609 x 457	23.12	587
722418-4XSFS3PT	72 x 24 x 18	1829 x 609 x 457	29.12	739
723018-4XSFS3PT	72 x 30 x 18	1829 x 762 x 457	29.12	739
723618-4XSFS3PT	72 x 36 x 18	1829 x 914 x 457	29.12	739
902420-4XSFS3PT	90 x 24 x 20	2286 x 609 x 508	38.12	968
903620-4XSFS3PT	90 x 36 x 20	2286 x 914 x 508	38.12	968
603624-4XSFS3PT	60 x 36 x 24	1524 x 914 x 609	23.12	587
722424-4XSFS3PT	72 x 24 x 24	1829 x 609 x 609	29.12	739
723024-4XSFS3PT	72 x 30 x 24	1829 x 762 x 609	29.12	739
723624-4XSFS3PT	72 x 36 x 24	1829 x 914 x 609	29.12	739
903624-4XSFS3PT	90 x 36 x 24	2286 x 914 x 609	38.12	968
723630-4XSFS3PT	72 x 36 x 30	1829 x 914 x 762	29.12	739
723636-4XSFS3PT	72 x 36 x 36	1829 x 914 x 914	29.12	739
903636-4XSFS3PT	90 x 36 x 36	2286 x 914 x 914	38.12	968



Notes: Four lifting eyes are furnished when C dimension is 24". Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Type 4X Panel Enclosures

Ground-Mount Enclosures

Type 4X Single-Door Dual Access Free-Standing with 3-Point Locking

Data Sheet



Application

- Houses electrical controls and instruments
- Easy access panels or rack mounts for housing optional equipment
- Intended for indoor or outdoor use
- Protects against corrosion, windblown dust and rain, splashing water and hose directed water

Standards

- UL 508 listed, Type 3R, Type 4, Type 4X, Type 12
- CSA C22.2 No.94 certified, Type 3R, Type 4, Type 4X, Type 12
- Conforms to NEMA standard for Type 3, Type 3R, Type 4, Type 4X, Type 12
- E.I.A. RS-310-D
- Meets NEMA Type 3RX requirements

Finish

- Door and sides of body have a smooth #4 brushed finish

Accessories

- Full and half panels
- Side and swing panels
- Panel Support Kit
- Panel Lifting Kit
- Channel mounting hardware
- Equipment Rack Mounts
- Lights
- Window kits
- Replacement handle, T4PHSS, see page 423

Construction

- Enclosure and doors are fabricated from (12) gauge stainless steel
- All continuous welded seams are finished smooth
- Heavy-Duty stainless steel continuous hinges and pins
- Internal 3-point latching with stainless padlocking handles
- Doors have a seamless poured in-place gasket
- Formed lip around enclosure openings to divert liquids and contaminants
- Dual-access construction available for back-to-back panel and equipment mounting
- Ground studs provided on doors
- Print pockets provided
- Mounting channels are welded inside for locating panels or rack-mount equipment along enclosure depth
- Provisions for mounting fluorescent light
- Large lifting eyebolts

Discount Schedule: C2

Subclass: U40

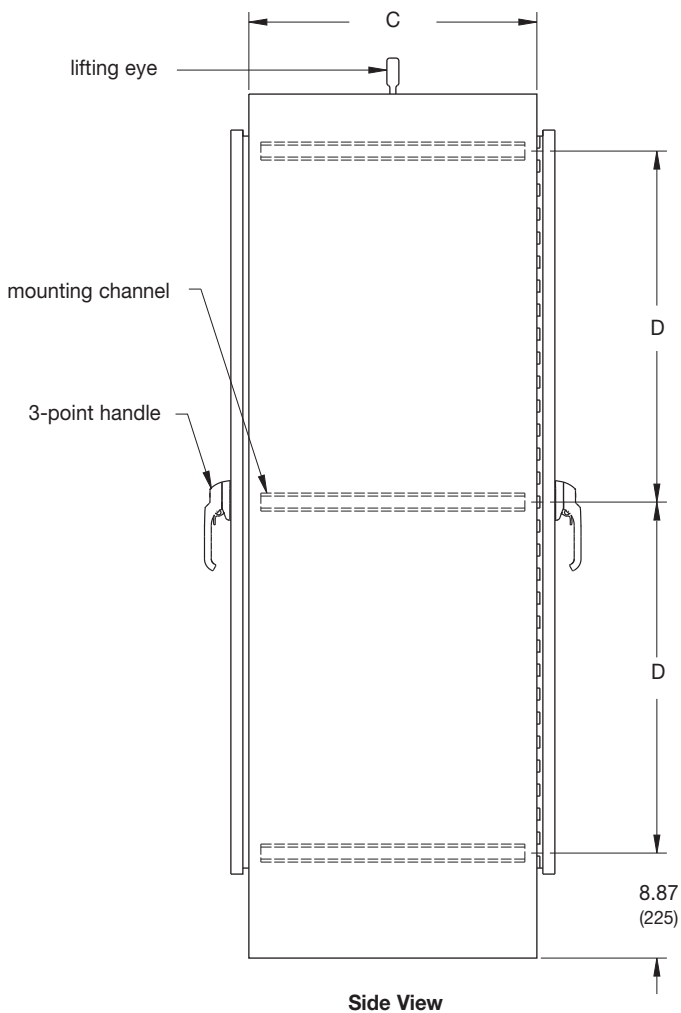
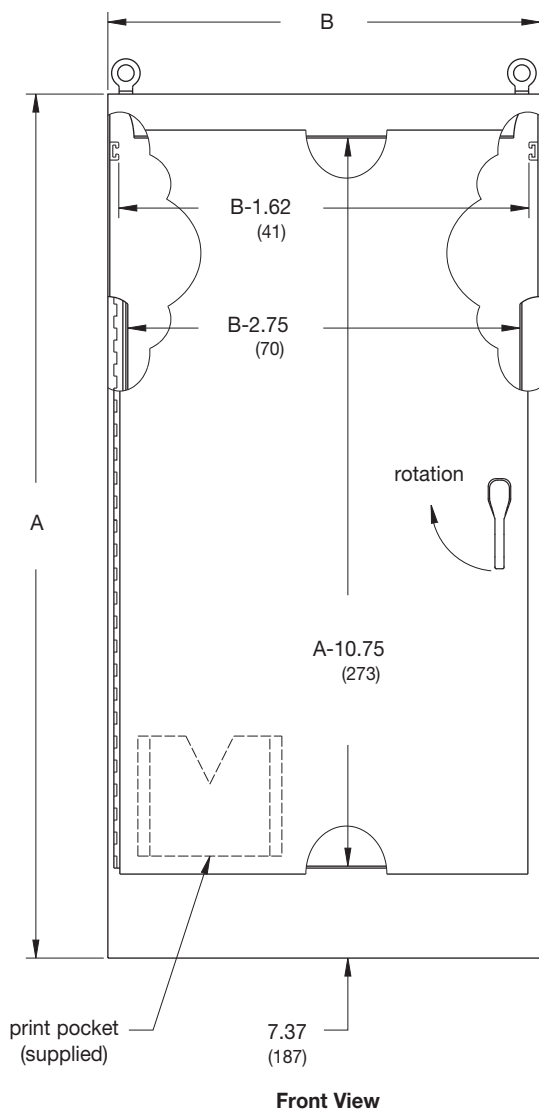
Notes: Cooper B-Line can provide special sizes, finishes and other modifications. Consult the factory for your special requirements. Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Ground-Mount Enclosures

Type 4X Single-Door Dual Access Free-Standing with 3-Point Locking

Illustration Sheet and Catalog Number

Enclosure Catalog Number	Enclosure Size Height x Width x Depth A x B x C		D	
	in.	mm	in.	mm
722424-4XSFSDA3PT	72 x 24 x 24	1829 x 609 x 609	29.12	739
723024-4XSFSDA3PT	72 x 30 x 24	1829 x 762 x 609	29.12	739
723624-4XSFSDA3PT	72 x 36 x 24	1829 x 914 x 609	29.12	739
903624-4XSFSDA3PT	90 x 36 x 24	2286 x 914 x 609	38.12	968
722430-4XSFSDA3PT	72 x 24 x 30	1829 x 609 x 762	29.12	739
722436-4XSFSDA3PT	72 x 24 x 36	1829 x 609 x 914	29.12	739
723636-4XSFSDA3PT	72 x 36 x 36	1829 x 914 x 914	29.12	739
903636-4XSFSDA3PT	90 x 36 x 36	2286 x 914 x 914	38.12	968



Type 4X Panel Enclosures

Notes: Four lifting eyes are furnished when C dimension is 24".
Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Type 4X Panel Enclosures

Ground-Mount Enclosures

Type 4X Double-Door Free-Standing with 3-Point Locking

Data Sheet



Application

- Houses electrical controls and instruments
- Easy access panels or rack mounts for housing optional equipment
- Intended for indoor or outdoor use
- Protects against corrosion, windblown dust and rain, splashing water and hose directed water

Standards

- UL 508 listed, Type 3R, Type Type 4, Type 4X, Type 12
- CSA C22.2 No.94 certified, Type 3R, Type 4, Type 4X, Type 12
- Conforms to NEMA standard for Type 3, Type 3R, Type 4, Type 4X, Type 12
- E.I.A. RS-310-D
- Meets NEMA Type 3RX requirements

Finish

- Doors and sides of body have a smooth #4 brushed finish

Accessories

- Full and half panels
- Side and swing panels
- Panel Support Kit
- Panel Lifting Kit
- Channel mounting hardware
- Equipment Rack Mounts
- Lights
- Window kits
- Replacement handle, T4PHSS, see page 423

Construction

- Enclosure and doors are fabricated from (12) gauge stainless steel
- All continuous welded seams are finished smooth
- Heavy-Duty stainless steel continuous hinges and pins
- Internal 3-point latching with stainless padlocking handles
- Doors have a seamless poured in-place gasket
- Formed lip around enclosure openings to diverts liquids and contaminants
- Ground studs provided on doors
- Removable centerpost for easy panel installation
- Print pockets provided
- Mounting channels are welded inside for locating panels or rack-mount equipment along enclosure depth
- Provisions for mounting fluorescent light
- Large lifting eyebolts

Discount Schedule: C2

Subclass: U40

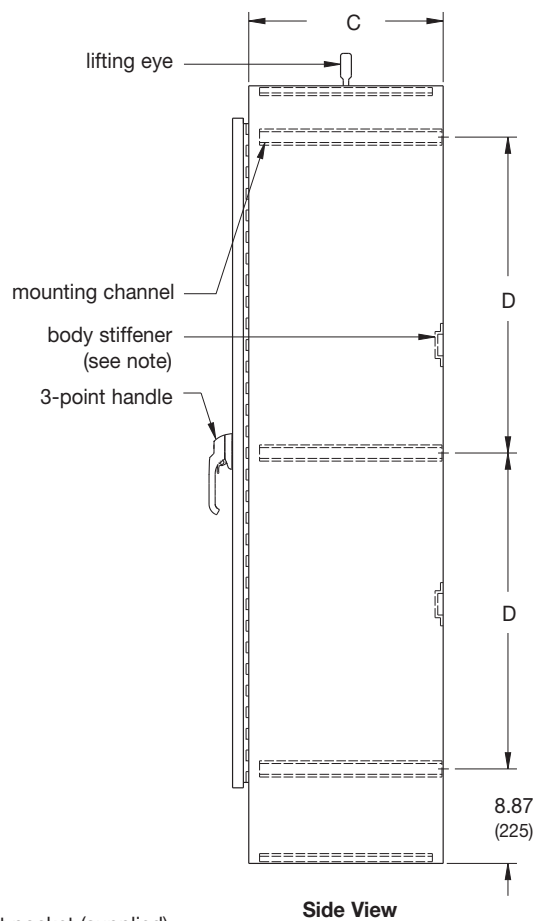
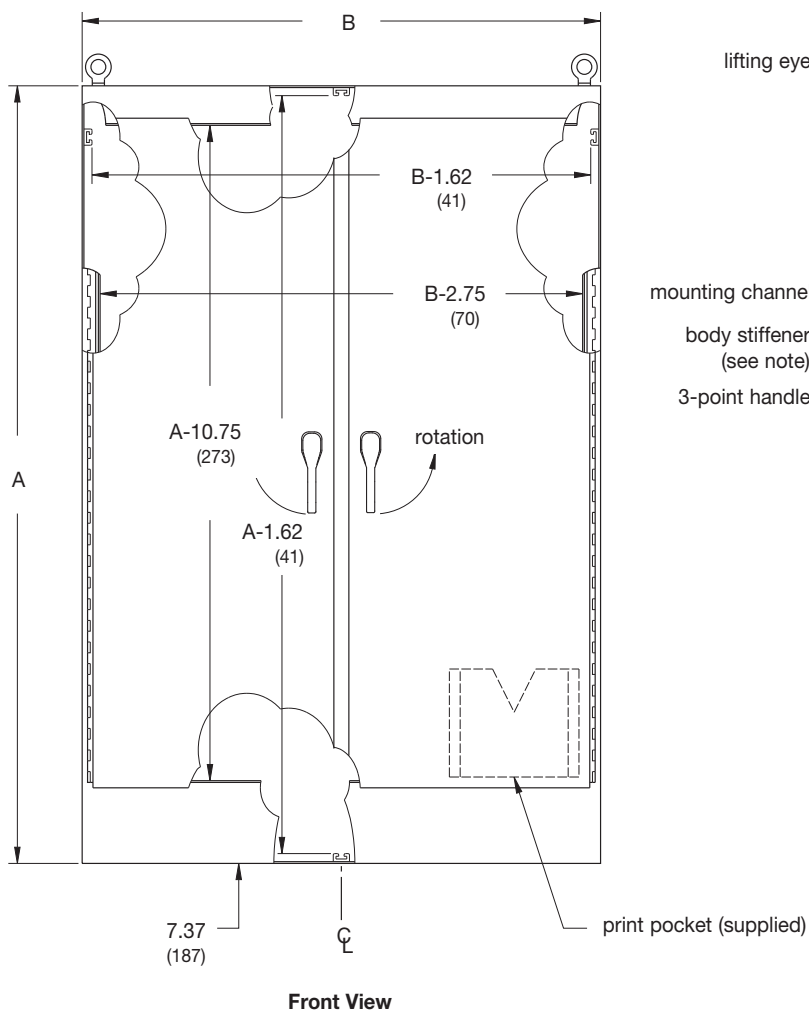
Notes: Cooper B-Line can provide special sizes, finishes and other modifications. Consult the factory for your special requirements.

Ground-Mount Enclosures

Type 4X Double-Door Free-Standing with 3-Point Locking

Illustration Sheet and Catalog Number

Enclosure Catalog Number	Enclosure Size Height x Width x Depth A x B x C		D	
	in.	mm	in.	mm
	604818-4XSFS3PT	60 x 48 x 18	1524 x 1219 x 457	23.12
724818-4XSFS3PT	72 x 48 x 18	1829 x 1219 x 457	29.12	739
726018-4XSFS3PT	72 x 60 x 18	1829 x 1524 x 457	29.12	739
727218-4XSFS3PT	72 x 72 x 18	1829 x 1829 x 457	29.12	739
904820-4XSFS3PT	90 x 48 x 20	2286 x 1219 x 508	38.12	968
907220-4XSFS3PT	90 x 72 x 20	2286 x 1829 x 508	38.12	968
724824-4XSFS3PT	72 x 48 x 24	1829 x 1219 x 609	29.12	739
726024-4XSFS3PT	72 x 60 x 24	1829 x 1524 x 609	29.12	739
727224-4XSFS3PT	72 x 72 x 24	1829 x 1829 x 609	29.12	739
907224-4XSFS3PT	90 x 72 x 24	2286 x 1829 x 609	38.12	968
726036-4XSFS3PT	72 x 60 x 36	1829 x 1524 x 914	29.12	739
907236-4XSFS3PT	90 x 72 x 36	2286 x 1829 x 914	38.12	968



Type 4X Panel Enclosures

Notes: Four lifting eyes are furnished when C dimension is 24".
Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Type 4X Panel Enclosures

Ground-Mount Enclosures

Type 4X Double-Door Dual Access Free-Standing with 3-Point Locking

Data Sheet



Application

- Houses electrical controls and instruments
- Easy access panels or rack mounts for housing optional equipment
- Intended for indoor or outdoor use
- Protects against corrosion, windblown dust and rain, splashing water and hose directed water

Standards

- UL 508 listed, Type 3R, 4, 4X, 12
- CSA C22.2 No.94 certified, Type 3R, 4, 4X, 12
- Conforms to NEMA standard for Type 3, 3R, 4, 4X, 12
- E.I.A. RS-310-D
- Meets NEMA Type 3RX requirements

Finish

- Doors and sides of body have a smooth #4 brushed finish

Accessories

- Full and half panels
- Side and swing panels
- Panel Support Kit
- Panel Lifting Kit
- Channel mounting hardware
- Equipment Rack Mounts
- Lights
- Window kits
- Replacement handle, T4PHSS, see page 423

Construction

- Enclosure and doors are fabricated from (12) gauge stainless steel
- All continuous welded seams are finished smooth
- Heavy-Duty stainless steel continuous hinges and pins
- Internal 3-point latching with stainless padlock handles
- Doors have a seamless poured in-place gasket
- Formed lip around enclosure openings to divert liquids and contaminants
- Ground studs provided on doors
- Removable centerpost for easy panel installation
- Dual-access construction available for back-to-back panel and equipment mounting
- Print pockets provided
- Mounting channels are welded inside for locating panels or rack-mount equipment along enclosure depth
- Provisions for mounting fluorescent light
- Large lifting eyebolts

Discount Schedule: C2

Subclass: U40

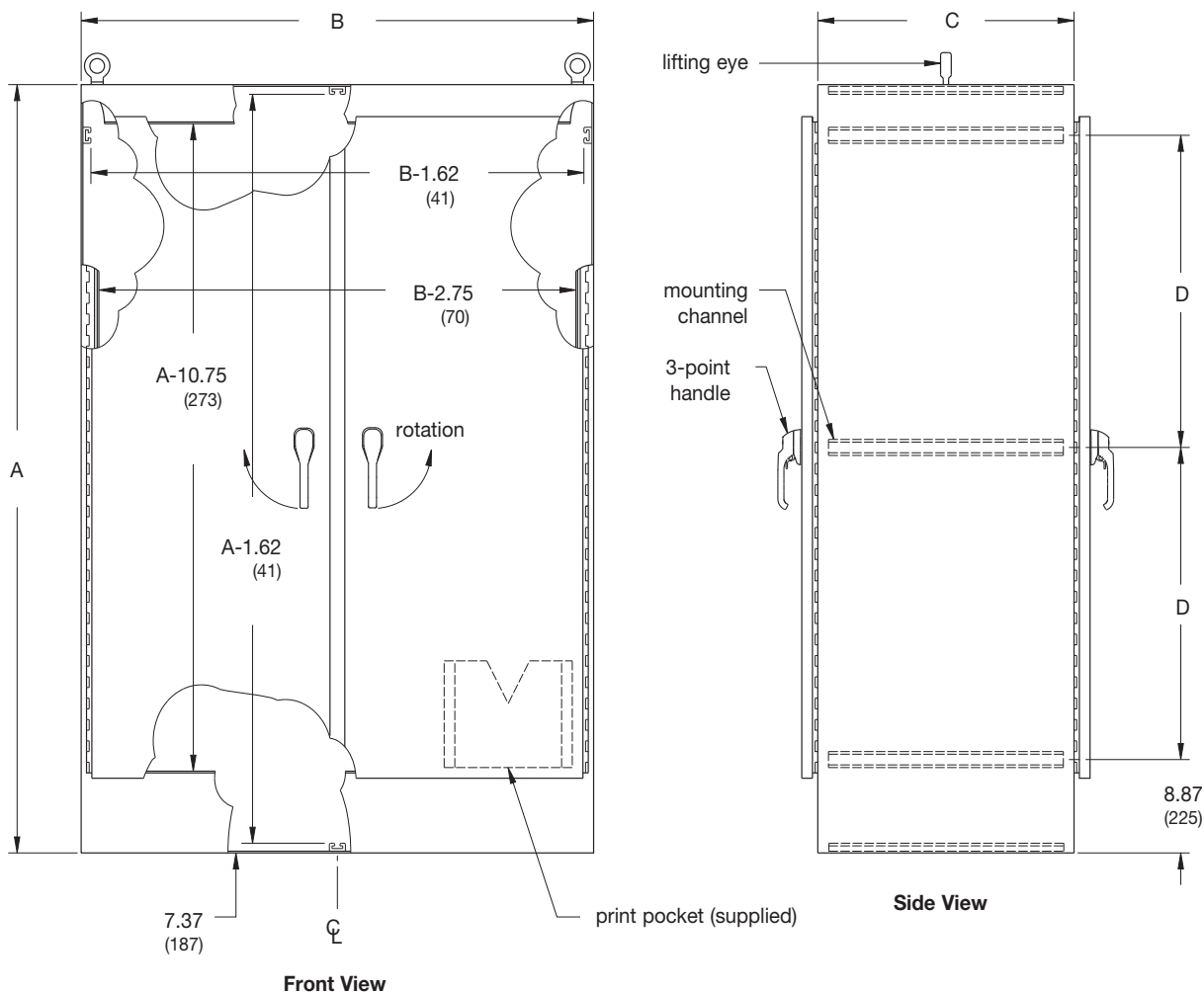
Notes: Cooper B-Line can provide special sizes, finishes and other modifications. Consult the factory for your special requirements.

Ground-Mount Enclosures

Type 4X Double-Door Dual Access Free-Standing with 3-Point Locking

Illustration Sheet and Catalog Number

Enclosure Catalog Number	Enclosure Size Height x Width x Depth A x B x C		D	
	in.	mm	in.	mm
724824-4XSFSDDA3PT	72 x 48 x 24	1829 x 1219 x 609	29.12	739
726024-4XSFSDDA3PT	72 x 60 x 24	1829 x 1524 x 609	29.12	739
727224-4XSFSDDA3PT	72 x 72 x 24	1829 x 1829 x 609	29.12	739
907224-4XSFSDDA3PT	90 x 72 x 24	2286 x 1829 x 609	38.12	968
726036-4XSFSDDA3PT	72 x 60 x 36	1829 x 1524 x 609	29.12	739



Type 4X Panel Enclosures

Notes: Four lifting eyes are furnished when C dimension is 24".
Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Type 4X Panel Enclosures

Ground-Mount Enclosures

Type 4X Double-Door EnviroShield™ Free-Standing with 3-Point Locking

Data Sheet



Application

- Houses electrical controls and electrical instruments in harsh environments
- Provides quick and easy access indoors and out
- Protects against circulating dust, falling dirt, dripping non-corrosive liquids, rain, sleet, ice, splashing and hose directed water

Standards

- UL 508 listed, Type 3R, 4, 4X, 12
- CSA C22.2 No.94 certified, Type 3R, 4, 4X, 12
- Conforms to NEMA standard for Type 3, 3R, 4, 4X, 12
- E.I.A. RS-310-D
- Meets NEMA Type 3RX requirements
- NSF Criteria C-2

Finish

- Doors and sides of body have a smooth #4 brushed finish

Accessories

- Full and half panels
- Side panels
- Swing panels
- Touch-up paint
- Mounting legs
- Rack mounting angles
- Swing out mounting frames
- Replacement handle, 11184B
- See Accessories section

Construction

- Enclosure and door are fabricated from (12) gauge steel
- All continuous welded seams are finished smooth
- Doors are secured to the body with a heavy-duty concealed lift-off hinge and a 3-point vault handle locking mechanism on each door
- Removable center post
- Doors have a fixed, oil-resistant gasket
- Ground stud provided on doors and bodies
- Print pocket provided
- Large lifting eyes are integrated with sides of enclosure
- Mounting channels are welded inside for locating panels or rack mounts along enclosure depth, as well as mounting studs for fixed panels
- Swing panels, single full and single half panels can be installed in double-door enclosures when the center post is used
- A variety of optional panels and accessories are available, (see pages 242 - 253)

Discount Schedule: C2

Subclass: VS0 & VT0

Notes: Cooper B-Line can provide special sizes, finishes and other modifications. Consult the factory for your special requirements.

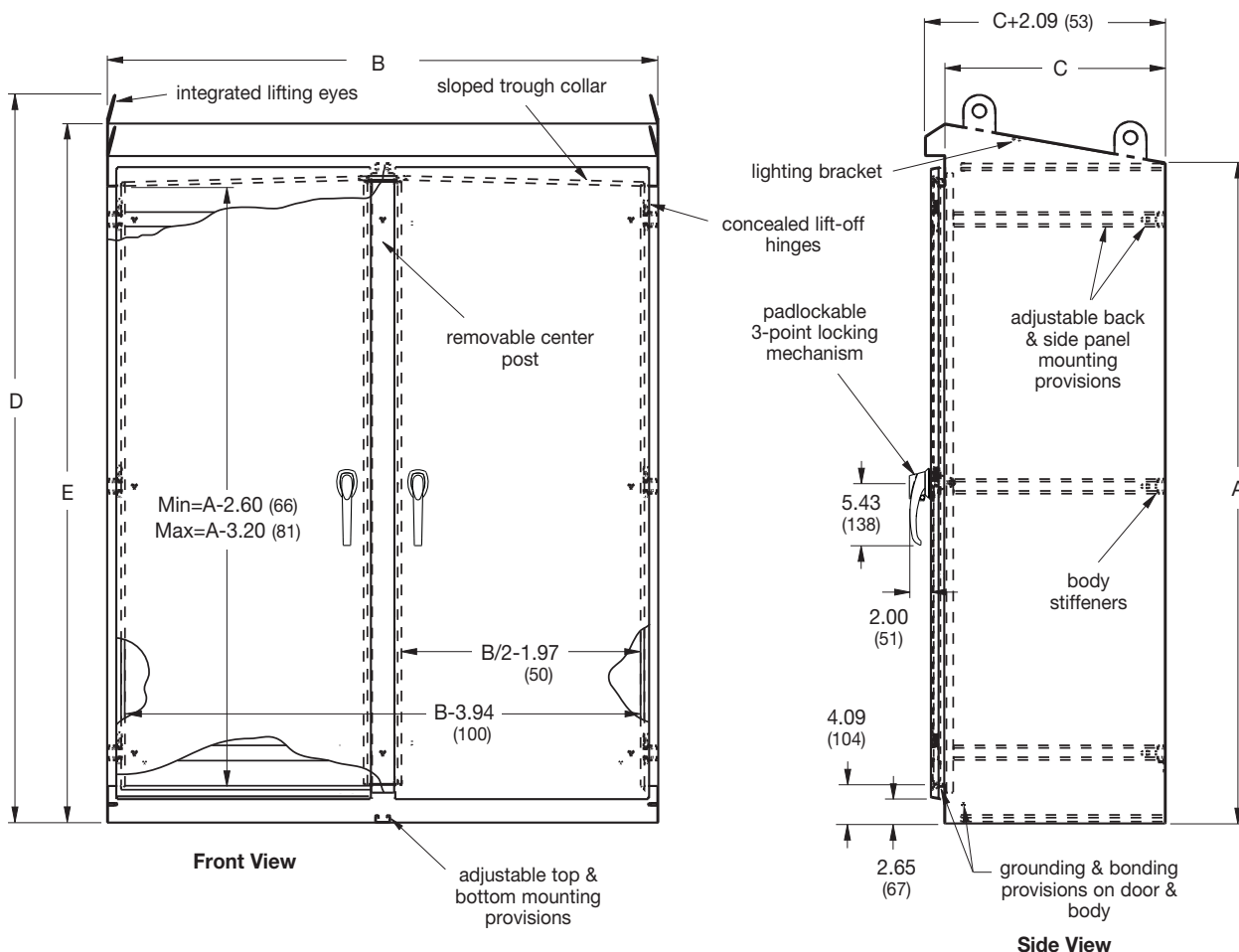
Type 4X Panel Enclosures

Ground-Mount Enclosures

Type 4X Double-Door EnviroShield™ Free-Standing with 3-Point Locking

Illustration Sheet and Catalog Number

Enclosure Catalog Number		Enclosure Size Height x Width x Depth A x B x C		D		E	
Type 304 Stainless Steel	Type 316L Stainless Steel	in.	mm	in.	mm	in.	mm
ES-604812-4XS	ES-604812-4XSS6	60.00 x 48.00 x 12.00	1524 x 1219 x 305	65.98	1676	64.23	1631
ES-604816-4XS	ES-604816-4XSS6	60.00 x 48.00 x 16.00	1524 x 1219 x 406	65.98	1676	64.23	1631
ES-604820-4XS	ES-604820-4XSS6	60.00 x 48.00 x 20.00	1524 x 1219 x 508	65.98	1676	64.23	1631
ES-604824-4XS	ES-604824-4XSS6	60.00 x 48.00 x 24.00	1524 x 1219 x 609	65.98	1676	64.23	1631
ES-606012-4XS	ES-606012-4XSS6	60.00 x 60.00 x 12.00	1524 x 1524 x 305	65.98	1676	64.23	1631
ES-606016-4XS	ES-606016-4XSS6	60.00 x 60.00 x 16.00	1524 x 1524 x 406	65.98	1676	64.23	1631
ES-606020-4XS	ES-606020-4XSS6	60.00 x 60.00 x 20.00	1524 x 1524 x 508	65.98	1676	64.23	1631
ES-606024-4XS	ES-606024-4XSS6	60.00 x 60.00 x 24.00	1524 x 1524 x 609	67.46	1713	64.23	1631
ES-726012-4XS	ES-726012-4XSS6	72.00 x 60.00 x 12.00	1829 x 1524 x 305	77.98	1980	76.23	1936
ES-726016-4XS	ES-726016-4XSS6	72.00 x 60.00 x 16.00	1829 x 1524 x 406	77.98	1980	76.23	1936
ES-726020-4XS	ES-726020-4XSS6	72.00 x 60.00 x 20.00	1829 x 1524 x 508	77.98	1980	76.23	1936
ES-726024-4XS	ES-726024-4XSS6	72.00 x 60.00 x 24.00	1829 x 1524 x 609	77.98	1980	76.23	1936
ES-727212-4XS	ES-727212-4XSS6	72.00 x 72.00 x 12.00	1829 x 1829 x 305	77.98	1980	76.23	1936
ES-727216-4XS	ES-727216-4XSS6	72.00 x 72.00 x 16.00	1829 x 1829 x 406	77.98	1980	76.23	1936
ES-727220-4XS	ES-727220-4XSS6	72.00 x 72.00 x 20.00	1829 x 1829 x 508	77.98	1980	76.23	1936
ES-727224-4XS	ES-727224-4XSS6	72.00 x 72.00 x 24.00	1829 x 1829 x 609	79.46	2018	76.23	1936



Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

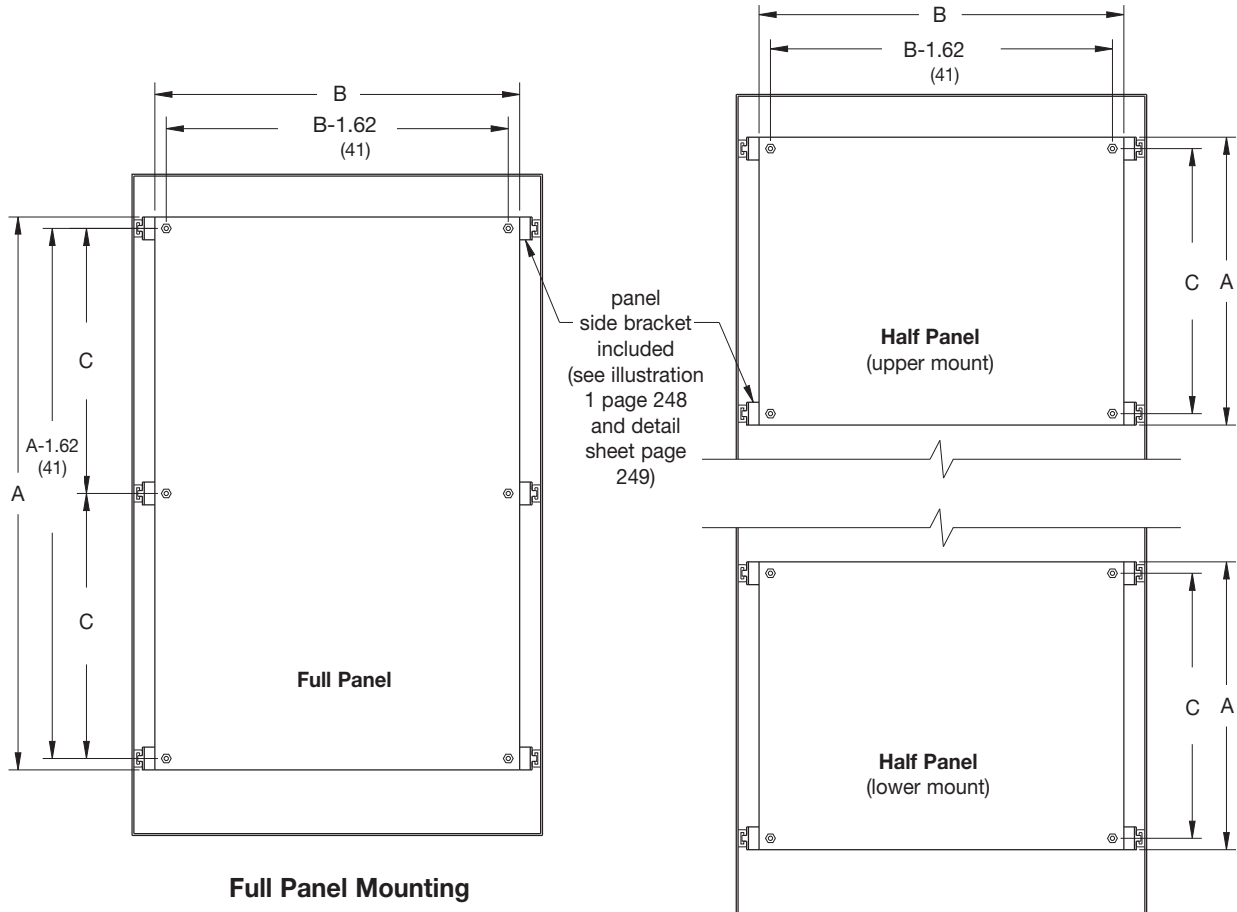
Type 4X Panel Enclosures

Free-Standing Enclosure Accessories Type 4X Single-Door Full and Half Panel Illustration Sheet and Catalog Number

Discount Schedule: C2
Subclass: DSO

Full Panel (Single-Door)						
Panel Catalog Number	Panel Size		C		Fits Enclosure Height x Width	
	Height x Width A x B					
	in.	mm	in.	mm	in.	mm
AF6024P	47.87 x 19.87	1216 x 505	23.12	587	60.00 x 24.00	1524 x 610
AF6036P	47.87 x 31.87	1216 x 809	23.12	587	60.00 x 36.00	1524 x 914
AF7224P	59.87 x 19.87	1521 x 505	29.12	740	72.00 x 24.00	1829 x 610
AF7230P	59.87 x 25.87	1521 x 657	29.12	740	72.00 x 30.00	1829 x 762
AF7236P	59.87 x 31.87	1521 x 809	29.12	740	72.00 x 36.00	1829 x 914
AF9024P	77.87 x 19.87	1978 x 505	38.12	968	90.00 x 24.00	2286 x 610
AF9036P	77.87 x 31.87	1978 x 809	38.12	968	90.00 x 36.00	2286 x 914

Half Panel (Single-Door)						
Panel Catalog Number	Panel Size		C		Fits Enclosure Height x Width	
	Height x Width A x B					
	in.	mm	in.	mm	in.	mm
AF6024HP	24.75 x 19.87	629 x 505	23.12	587	60.00 x 24.00	1524 x 610
AF6036HP	24.75 x 31.87	629 x 809	23.12	587	60.00 x 36.00	1524 x 914
AF7224HP	30.75 x 19.87	781 x 505	29.12	587	72.00 x 24.00	1829 x 610
AF7230HP	30.75 x 25.87	781 x 657	29.12	587	72.00 x 30.00	1829 x 762
AF7236HP	30.75 x 31.87	781 x 809	29.12	587	72.00 x 36.00	1829 x 914
AF9024HP	39.75 x 19.87	1010 x 505	38.12	968	90.00 x 24.00	2286 x 610
AF9036HP	39.75 x 31.87	1010 x 809	38.12	968	90.00 x 36.00	2286 x 914



Type 4X Panel Enclosures

Note: Full and Half panel for single-door, single and dual-access enclosures are (12) gauge steel and furnished with panel side brackets and all hardware necessary for channel and panel mounting. Half Panels can be mounted in either the upper or lower portion of the enclosure. Free standing design permits the panel to adjust along the depth of the enclosure. With dual-access enclosures, Full and Half panels can be mounted back-to-back.

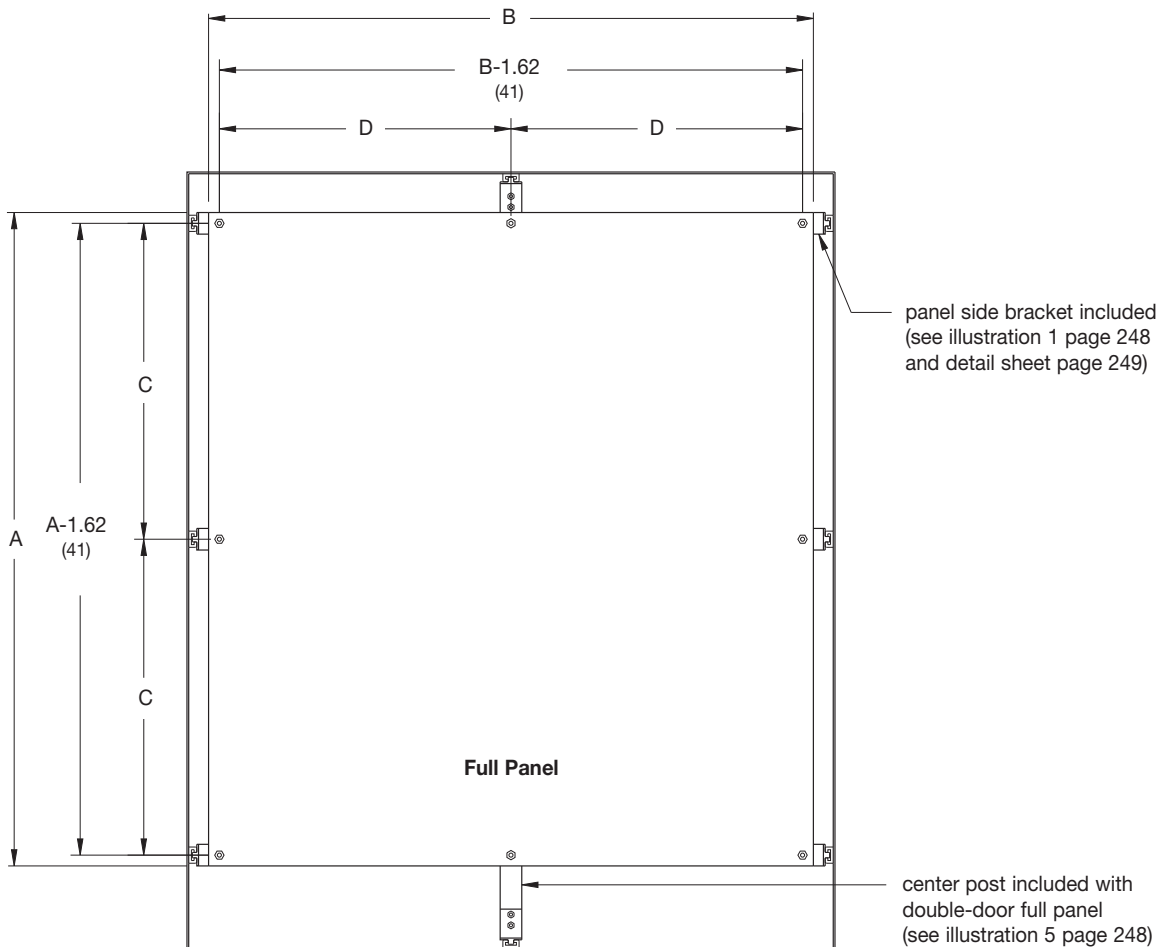
Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Type 4X Panel Enclosures

Free-Standing Enclosure Accessories Type 4X Double-Door Full Panel Illustration Sheet and Catalog Number

Discount Schedule: C2
Subclass: DSO

Panel Catalog Number	Panel Size Height x Width A x B		C		D		Fits Enclosure Height x Width	
	in.	mm	in.	mm	in.	mm	in.	mm
AF6048P	47.87 x 43.87	1216 x 1114	23.12	587	21.12	530	60.00 x 48.00	1524 x 1219
AF6060P	47.87 x 55.87	1216 x 1419	23.12	587	27.12	689	60.00 x 60.00	1524 x 1524
AF7248P	59.87 x 43.87	1521 x 1114	29.12	740	21.12	530	72.00 x 48.00	1829 x 1219
AF7260P	59.87 x 55.87	1521 x 1419	29.12	740	27.12	689	72.00 x 60.00	1829 x 1524
AF7272P	59.87 x 67.87	1521 x 1724	29.12	740	33.12	841	72.00 x 72.00	1829 x 1829
AF9048P	77.87 x 43.87	1978 x 1114	38.12	968	21.12	530	90.00 x 48.00	2286 x 1219
AF9072P	77.87 x 67.87	1978 x 1724	38.12	968	33.12	841	90.00 x 72.00	2286 x 1829



Full Panel Mounting

Notes: Full Panel for double-door, single and dual-access enclosures are (10) gauge steel and furnished with Panel Brackets, Center Post assembly, panel handle kit and all hardware necessary for channel and panel mounting. The Center Post assembly offers additional support of panel and equipment. Free-standing design permits the panel to adjust along the depth of the enclosure. With dual-access enclosures, Full and Half Panels can be mounted back-to-back.

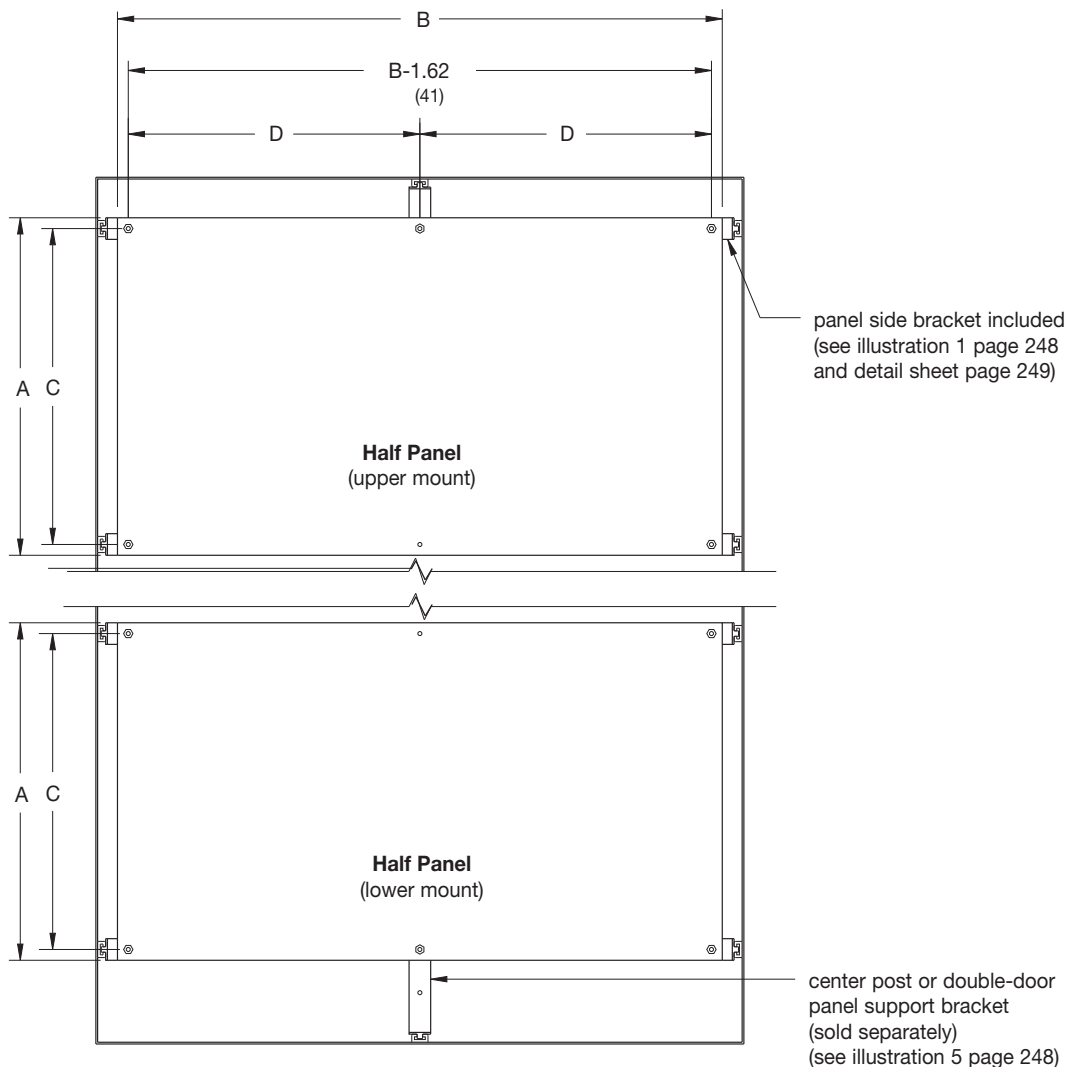
Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Type 4X Panel Enclosures

Free-Standing Enclosure Accessories Type 4X Double-Door Half Panel Illustration Sheet and Catalog Number

Discount Schedule: C2
Subclass: DSO

Panel Catalog Number	Panel Size Height x Width A x B		C		D		Fits Enclosure Height x Width	
	in.	mm	in.	mm	in.	mm	in.	mm
	AF6048HP	24.75x43.87	629x1114	23.12	587	21.12	536	60.00x48.00
AF7248HP	30.75x43.87	781x1114	29.12	740	21.12	536	72.00x48.00	1829x1219
AF7260HP	30.75x55.87	781x1419	29.12	740	7.12	181	72.00x60.00	1829x1524
AF7272HP	30.75x67.87	781x1724	29.12	740	33.12	841	72.00x72.00	1829x1829
AF9048HP	39.75x43.87	1010x1114	38.12	968	21.12	536	90.00x48.00	2286x1219
AF9072HP	39.85x67.87	1012x1724	38.12	968	33.12	841	90.00x72.00	2286x1829



Half Panel Mounting

Note: Half panel for double-door, single and dual-access enclosures are (12) gauge steel and furnished with Panel Brackets and all hardware necessary for channel and panel mounting. A Center Post assembly or a double-door panel support bracket (catalog number AFSUP2) for additional support of the panel is optional and sold separately. Free-standing design permits the panel to adjust along the depth of the enclosure. With dual-access enclosures, Full and Half Panels can be mounted back-to-back.

Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Type 4X Panel Enclosures

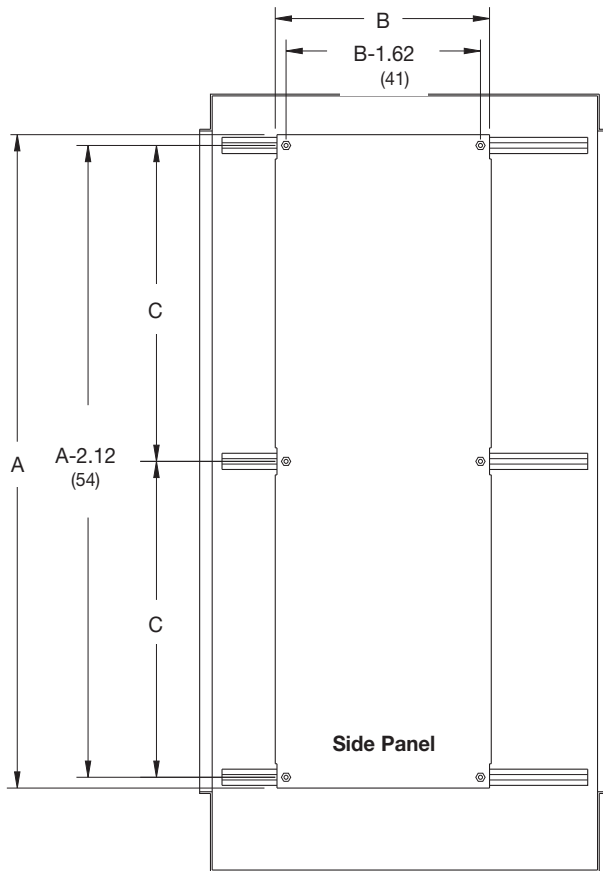
Free-Standing Enclosure Accessories Type 4X Side Panel And Center Post Illustration Sheet and Catalog Number

Discount Schedule: C2
Subclass: DSO

Side Panel								
Panel Catalog Number	Panel Size Height x Width A x B		C		Fits Enclosure			
	in.	mm	in.	mm	Height in.	Depth* mm	in.	
AF6018SP	48.37 x 13.87	1229 x 340	23.12	587	60.00	1524	18.00	457
AF7218SP	60.37 x 13.87	1533 x 340	29.12	740	72.00	1829	18.00	457
AF7224SP	60.37 x 19.87	1533 x 505	29.12	740	72.00	1829	24.00	610
AF9018SP	78.37 x 13.87	1991 x 340	38.12	968	90.00	2286	18.00	457
AF9024SP	78.37 x 19.87	1991 x 505	38.12	968	90.00	2286	24.00	457

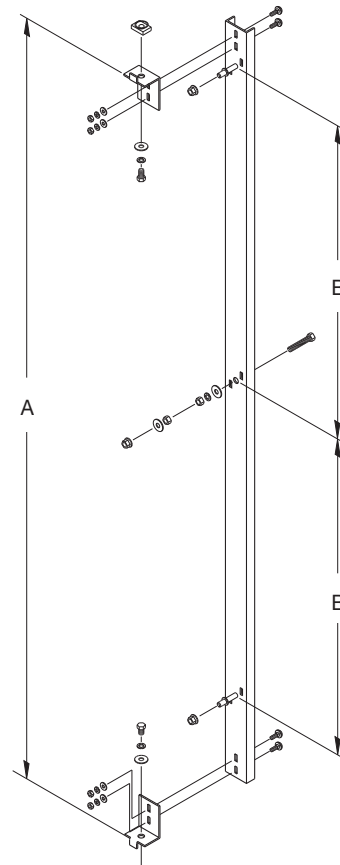
Center Post						
Center Post Catalog Number	A		B		Fits Enclosure Height	
	in.	mm	in.	mm	in.	mm
AF60CPS	58.37	1483	23.12	587	60.00	1524
AF72CPS	70.37	1787	29.12	740	72.00	1829
AF90CPS	88.37	2245	38.12	968	90.00	2286

* Back panels restrict the movement of side panels and will prohibit mounting in some depths. See detail sheet for back panel spacing.



Side Panel Mounting

Side Panels are (12) gauge steel and furnished with hardware necessary for channel mounting. They will fit any width enclosure and are adjustable along its depth, however, when Full or Half Panels are installed, movement will be restricted and with some depths make side mounting prohibitive.



Center Post Assembly

Center Post assembly is furnished with all double-door Full Panels and includes hardware necessary for channel and panel mounting. The Center Post is optional on double-door Half Panels and Swing Panel mounting and must be ordered separately. It attaches to the top and bottom channels making it adjustable along the depth of the enclosure. See illustration #5 on the Detail Sheet-page 248.

Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

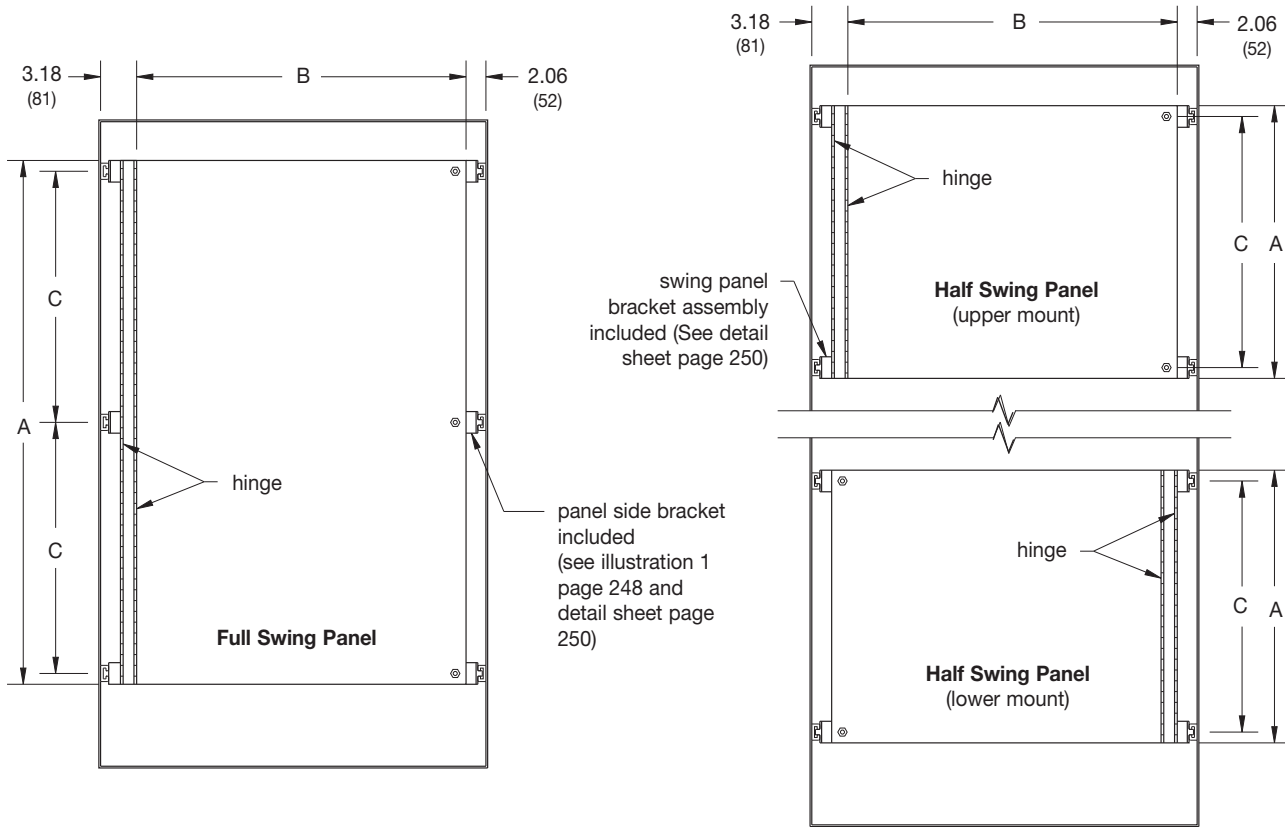
Type 4X Panel Enclosures

Free-Standing Enclosure Accessories Type 4X Single-Door Full and Half Swing Panel Illustration Sheet and Catalog Number

Discount Schedule: C2
Subclass: DSO

Full Swing Panel (Single-Door)						
Panel Catalog Number	Panel Size Height x Width A x B		C		Fits Enclosure Height x Width	
	in.	mm	in.	mm	in.	mm
AF6024SWP	47.87 x 18.75	1216 x 476	23.12	587	60.00 x 24.00	1524 x 610
AF6036SWP	47.87 x 30.75	1216 x 781	23.12	587	60.00 x 36.00	1524 x 914
AF7224SWP	59.87 x 18.75	1521 x 476	29.12	740	72.00 x 24.00	1829 x 610
AF7230SWP	59.87 x 24.75	1521 x 629	29.12	740	72.00 x 30.00	1829 x 762
AF7236SWP	59.87 x 30.75	1521 x 781	29.12	740	72.00 x 36.00	1829 x 914
AF9024SWP	77.87 x 18.75	1978 x 476	38.12	968	90.00 x 24.00	2286 x 610
AF9036SWP	77.87 x 30.75	1978 x 781	38.12	968	90.00 x 36.00	2286 x 914

Half Swing Panel (Single-Door)						
Panel Catalog Number	Panel Size Height x Width A x B		C		Fits Enclosure Height x Width	
	in.	mm	in.	mm	in.	mm
AF6024HSWP	24.75 x 18.75	629 x 476	23.12	587	60.00 x 24.00	1524 x 610
AF6036HSWP	24.75 x 30.75	629 x 781	23.12	587	60.00 x 36.00	1524 x 914
AF7224HSWP	30.75 x 18.75	781 x 476	29.12	740	72.00 x 24.00	1829 x 610
AF7230HSWP	30.75 x 24.75	781 x 629	29.12	740	72.00 x 30.00	1829 x 762
AF7236HSWP	30.75 x 30.75	781 x 781	29.12	740	72.00 x 36.00	1829 x 914
AF9024HSWP	39.75 x 18.75	1010 x 476	38.12	968	90.00 x 24.00	2286 x 610
AF9036HSWP	39.75 x 30.75	1010 x 781	38.12	968	90.00 x 36.00	2286 x 914



Full Swing Panel Mounting

Half Swing Panel Mounting

Note: Full Swing Panel and Half Swing Panel for single-door, single and dual-access enclosures are (12) gauge steel, have a dual hinge swing panel bracket and furnished with Panel Brackets and all hardware necessary for channel and panel mounting. Panels can be installed so they hinge on either the left or right side. In addition, Half Panels can be mounted in either the upper or lower portion of the enclosure. Free-standing design permits the panel to be adjustable along the depth of the enclosure. The dual hinge will allow the inner panel to swing completely out of the door opening when within 5.50 inches of the front. With dual-access enclosures, Full and Half Swing Panels can be mounted back-to-back.

Notes: Cooper B-Line can provide special sizes, finishes and other modifications. Consult the factory for your special requirements.

Type 4X Panel Enclosures

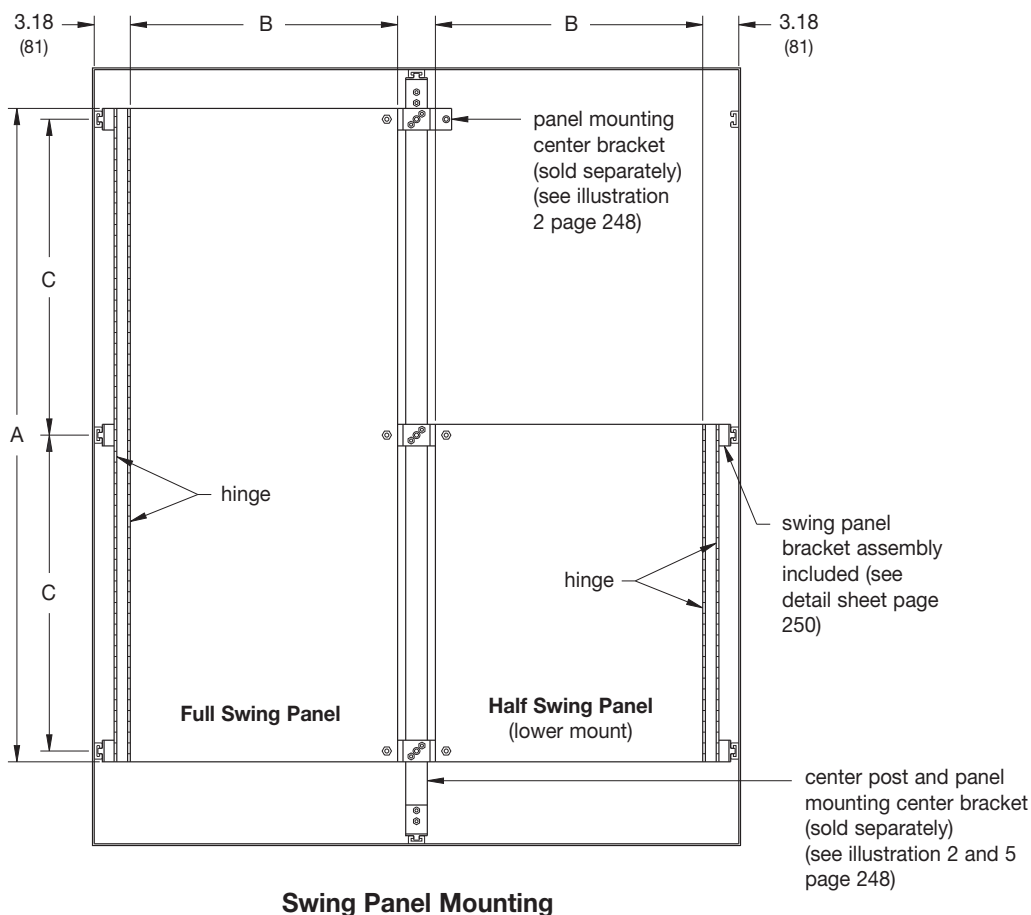
Free-Standing Enclosure Accessories Type 4X Double-Door Full and Half Swing Panel Illustration Sheet and Catalog Number

Discount Schedule: C2
Subclass: DSO

Full Swing Panel (Single-Door)						
Panel Catalog Number	Panel Size Height x Width A x B		C		Fits Enclosure Height x Width	
	in.	mm	in.	mm	in.	mm
AF6024SWP	47.87 x 18.75	1216 x 476	23.12	587	60.00 x 48.00	1524 x 1219
AF7224SWP	59.87 x 18.75	1521 x 476	29.12	740	72.00 x 48.00	1829 x 1219
AF7230SWP	59.87 x 24.75	1521 x 629	29.12	740	72.00 x 60.00	1829 x 1524
AF7236SWP	59.87 x 30.75	1521 x 781	29.12	740	72.00 x 72.00	1829 x 1829
AF9024SWP	77.87 x 18.75	1978 x 781	38.12	968	90.00 x 48.00	2286 x 1219
AF9036SWP	77.87 x 30.75	1978 x 781	38.12	968	90.00 x 72.00	2286 x 1829

Half Swing Panel (Single-Door)						
Panel Catalog Number	Panel Size Height x Width A x B		C		Fits Enclosure Height x Width	
	in.	mm	in.	mm	in.	mm
AF6024HSWP	24.75 x 18.75	629 x 476	23.12	587	60.00 x 48.00	1524 x 1219
AF7224HSWP	30.75 x 18.75	781 x 476	29.12	740	72.00 x 48.00	1829 x 1219
AF7230HSWP	30.75 x 24.75	781 x 629	29.12	740	72.00 x 60.00	1829 x 1524
AF7236HSWP	30.75 x 30.75	781 x 781	29.12	740	72.00 x 72.00	1829 x 1829
AF9024HSWP	39.75 x 18.75	1010 x 476	38.12	968	90.00 x 48.00	2286 x 1219
AF9036HSWP	39.75 x 30.75	1010 x 781	38.12	968	90.00 x 72.00	2286 x 1829

A Center Post assembly and Center Bracket must be ordered separately.



Swing Panel Mounting

Note: Full Swing Panel and Half Swing Panel for double-door, single and dual-access enclosures are (12) gauge steel, have a dual hinge swing panel bracket, and furnished with hardware necessary for side channel mounting. **A Center Post assembly and Center Bracket must be ordered separately.** Panels can be installed so they hinge either on the left or right side. In addition, Half Panels can be mounted in either the upper or lower portion of the enclosure. Free-standing design permits the panel to adjust along the depth of the enclosure. The dual hinge will allow the inner panel to swing completely out of the door opening when within 5.50 inches of the front. With dual-access enclosures, Full and Half Swing Panels can be mounted back-to-back.

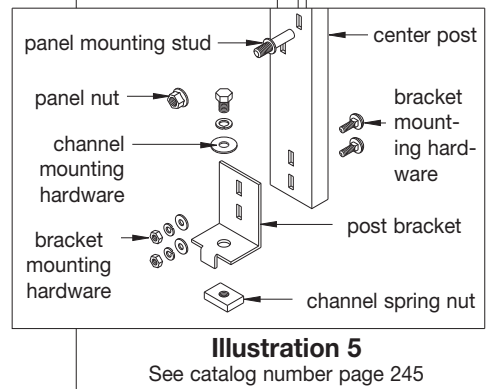
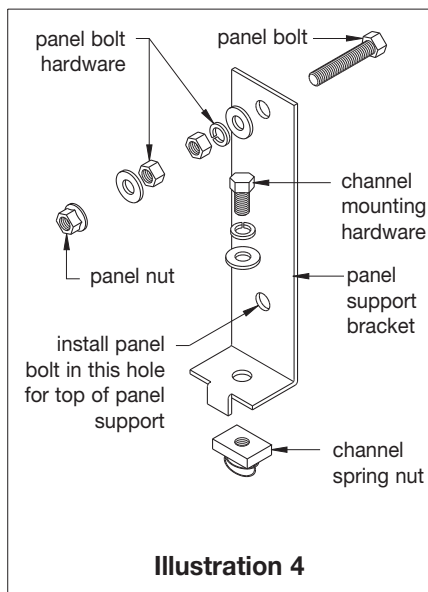
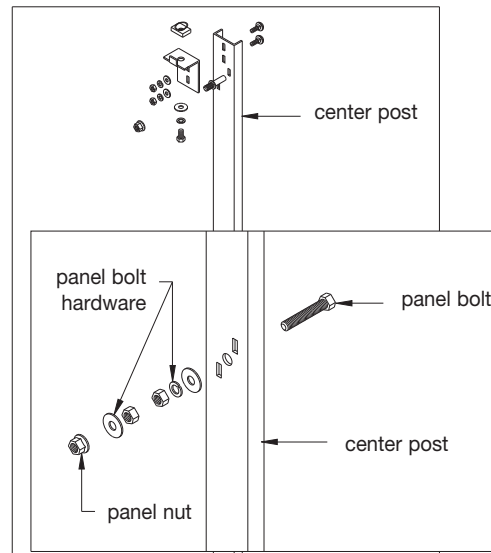
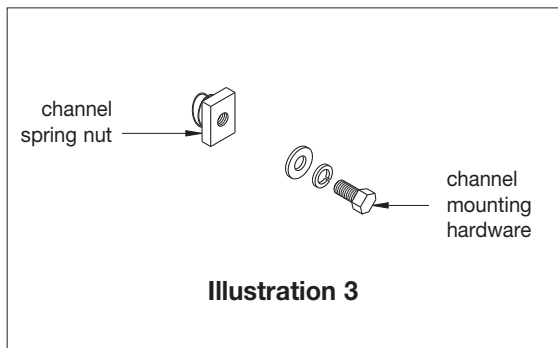
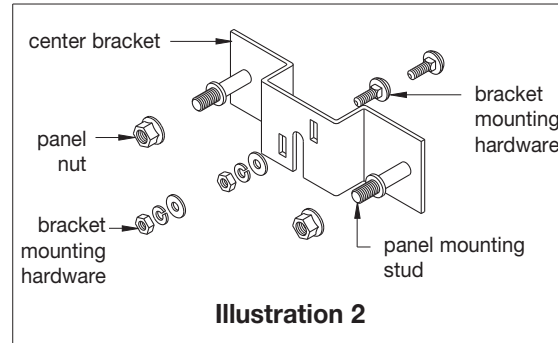
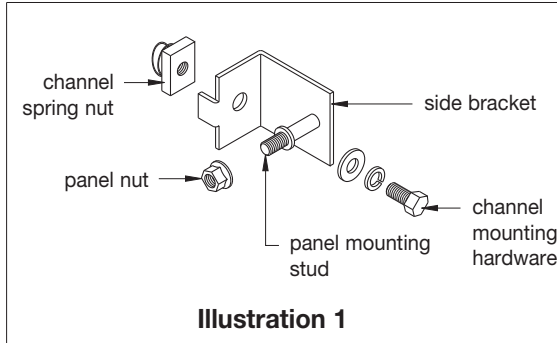
Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Type 4X Panel Enclosures

Free-Standing Enclosure Accessories Type 4X Miscellaneous Accessories Illustration Sheet and Catalog Number

Discount Schedule: C2
Subclass: DSO

Miscellaneous Accessories			
Catalog Number	Description	Illustration	Quantity
AFSBRKT1	Panel mounting side bracket	1	1
AFCBRKT3	Panel mounting center bracket	2	3
AFCMH3	Channel mounting hardware	3	3
AFPSUP2	Double-door panel support bracket	4	2



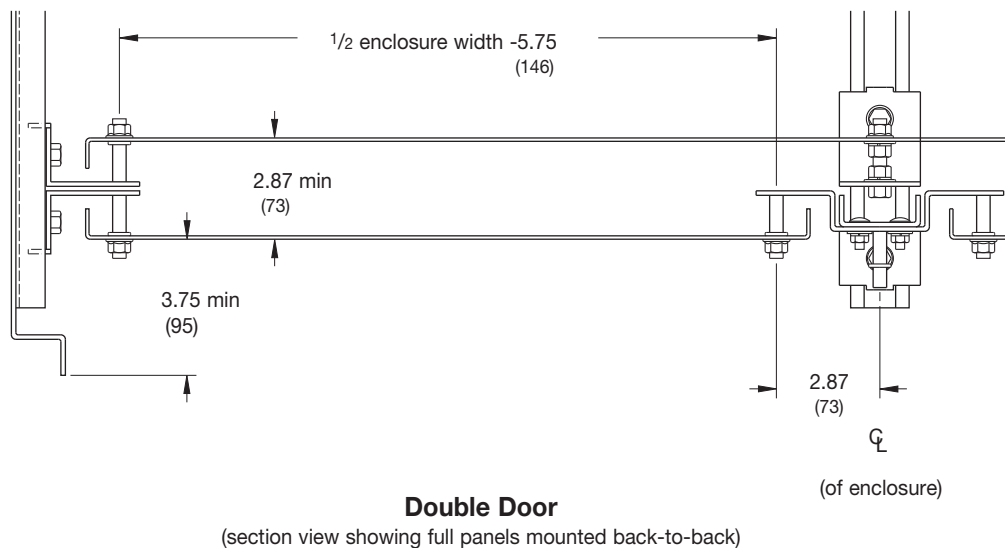
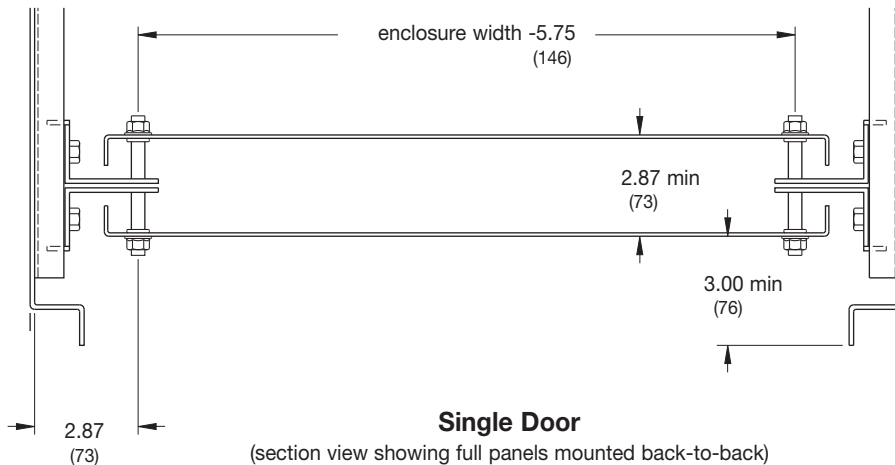
Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Type 4X Panel Enclosures

Free-Standing Enclosure Details Type 4X Panel and Enclosure Detail Sheet

Discount Schedule: C2

Subclass: DSO



Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Type 4X Panel Enclosures

Free-Standing Enclosure Details

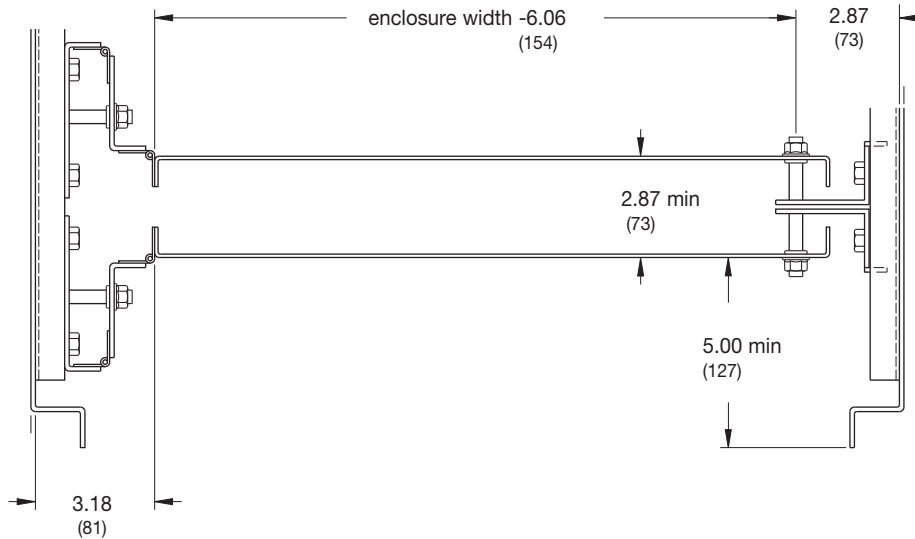
Type 4X

Swing Panel and Enclosure

Detail Sheet

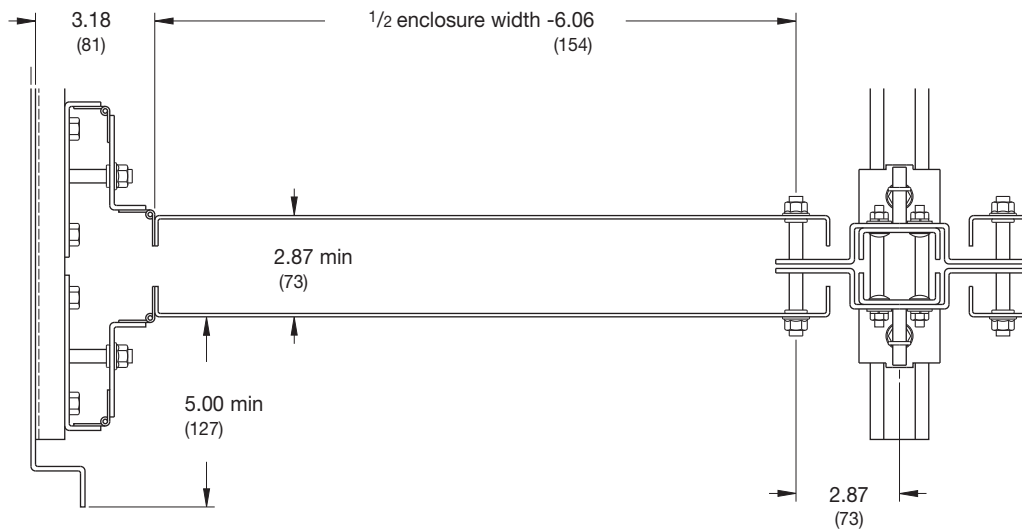
Discount Schedule: C2

Subclass: DSO



Single Door

(section view showing swing panels mounted back-to-back)



Double Door

(section view showing swing panels mounted back-to-back)

⌀
(of enclosure)

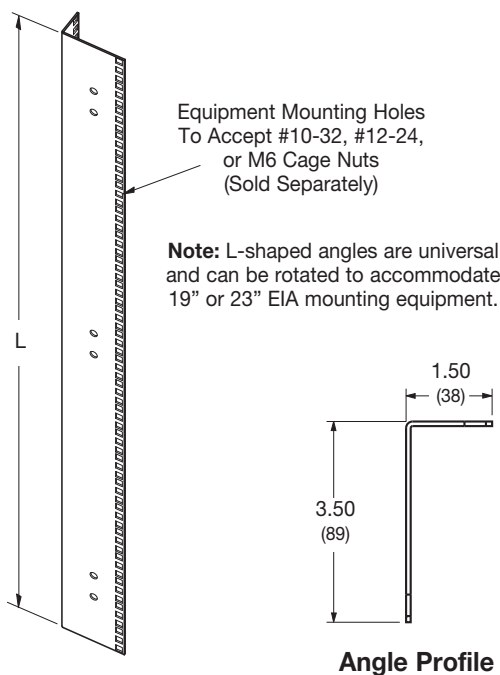
Notes: Cooper B-Line can provide special sizes, finishes and other modifications. Consult the factory for your special requirements.

Type 4X Panel Enclosures

Free-Standing Enclosures Accessories Rack Mounting Angles Illustration Sheet and Catalog Number

Discount Schedule: C2
Subclass: DSO

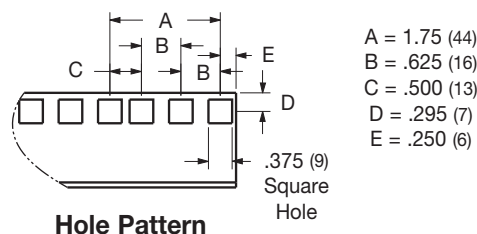
Heavy Duty Rack Mounting Angles are designed for mounting 19" (482mm) equipment in free-standing enclosures. A Center Post Assembly, "AFxxCPS" on page 245, and a Panel Mounting Center Bracket, "AFCBRKT3" on page 248, (each sold separately) are required when mounting in any double door enclosure. Mounting holes are spaced at the 19" "EIA" Standard and are provided to accept #10-32, #12-24, or M6 cage nuts (sold in packages of 100), on page 252.



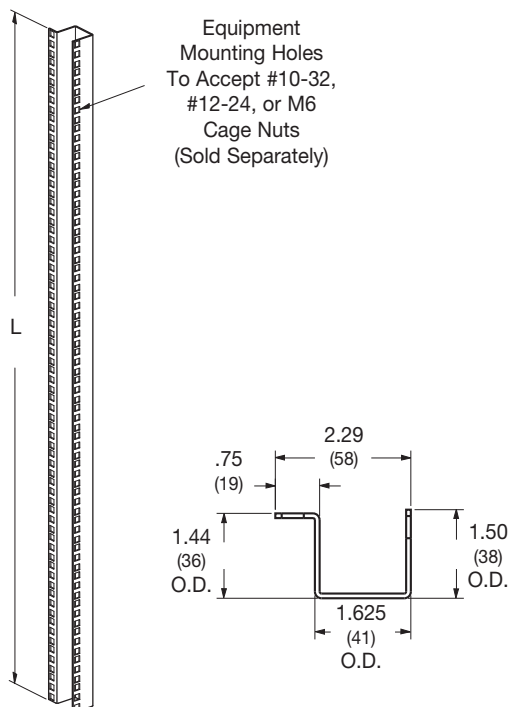
Angle Profile

'L' Shaped Mounting Angles					
Catalog Number	Fits Enclosure Height		L		Mounting U's
	in.	mm	in.	mm	
ES-48RMA-L	48	1219	42.00	1067	24
ES-60RMA-L	60	1524	54.25	1378	31
ES-72RMA-L	72	1829	66.50	1689	38
ES-90RMA-L	90	2286	78.75	2000	45

Kit contains two (2) full length 'L' angles, installation instructions, and hardware necessary to mount in single-door enclosures. Yellow Zinc finish.



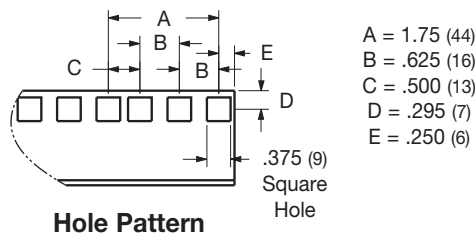
Hole Pattern



Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

'U' Shaped Mounting Angles					
Catalog Number	Fits Enclosure Height		L		Mounting U's
	in.	mm	in.	mm	
ES-48RMA-U	48	1219	42.00	1067	24
ES-60RMA-U	60	1524	54.25	1378	31
ES-72RMA-U	72	1829	66.50	1689	38
ES-90RMA-U	90	2286	78.75	2000	45

Kit contains two (2) full length 'U' angles, installation instructions, and hardware necessary to mount in single-door enclosures. Yellow Zinc finish.



Hole Pattern

Type 4X Panel Enclosures

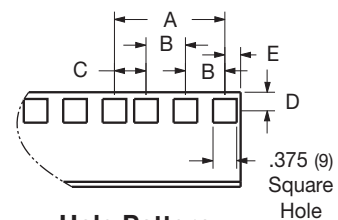
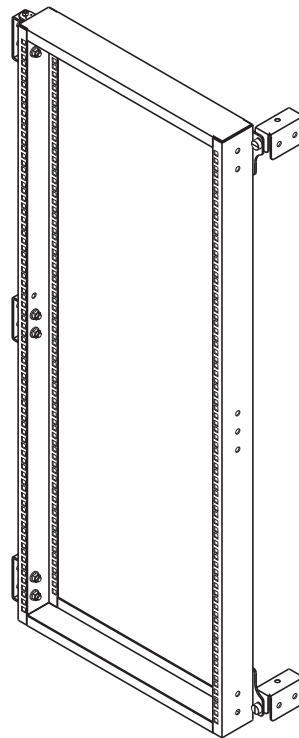
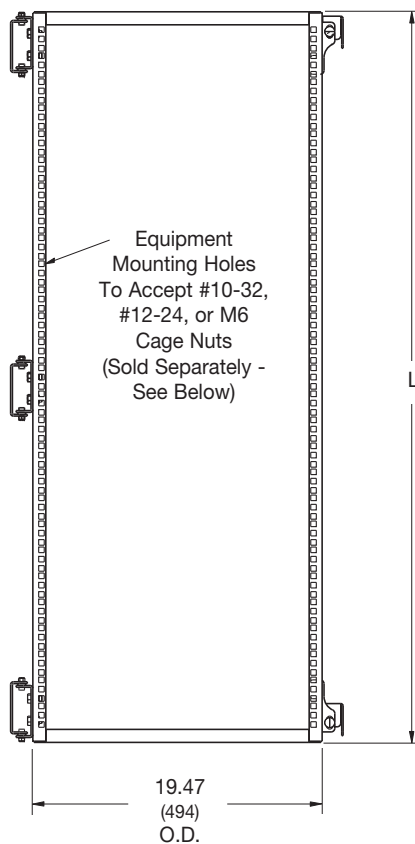
Type 4X Panel Enclosures

Free-Standing Enclosures Accessories Frames & Fasteners Illustration Sheet and Catalog Number

Discount Schedule: C2
Subclass: DSO

Swing-Out Rack Mounted Frame				
Catalog Number	Fits Enclosure Height		L	
	in.	mm	in.	mm
ES-48SORMF	48	1219	36.91	937
ES-60SORMF	60	1524	49.16	1248
ES-72SORMF	72	1829	59.66	1515
ES-90SORMF	90	2286	77.18	1960

Heavy Duty Swing-Out Rack Mounting Frames are designed for mounting 19" (482mm) equipment in free standing enclosures. A **Center Post Assembly, "AFxxCPS"** on page 245, and a **Panel Mounting Center Bracket, "AFCBRKT3"** on page 248, (each sold separately) are required when mounting in any double door enclosure. Mounting holes are spaced per the "EIA" Standard and are provided to accept #10-32, #12-24, or M6 cage nuts (sold in packages of 100). Swing-Out Rack Mounting frames have white powder coated finish.



- A = 1.75 (44)
- B = .625 (16)
- C = .500 (13)
- D = .295 (7)
- E = .250 (6)

Type 4X Panel Enclosures

Screws & Cage Nuts		
Catalog Number	Description	Finish
Screws		
E2MA1032PHMS100	#10-32 Phillips	Clear Zinc
E2MA1224PHMS100	#12-24 Phillips	Clear Zinc
E2MAM6PHMS100	M6 Phillips	Yellow Zinc
Cage Nuts		
E2MACN1032100	#10-32 Threads	Clear Zinc
E2MACN1224100	#12-24 Threads	Clear Zinc
E2MACNM6100	M6 Threads	Yellow Zinc

Sold in bags of (100)



Screws



Cage Nuts

Notes: Cooper B-Line can provide special sizes, finishes and other modifications. Consult the factory for your special requirements. Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Type 4X Panel Enclosures

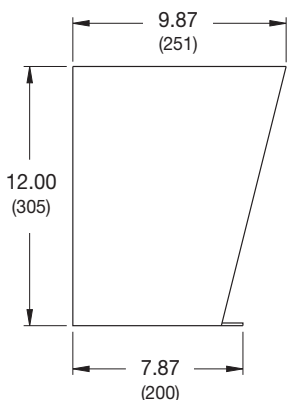
Free-Standing Enclosures Accessories Floor Stand & Enclosure Stabilizer Kits Illustration Sheet and Catalog Number

Discount Schedule: C2
Subclass: DSO

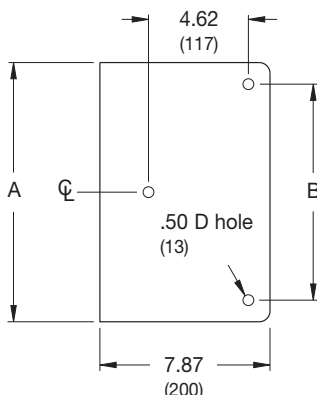


Floor Stand Kits						
Catalog Number	A		B		C	
	in.	mm	in.	mm	in.	mm
MFK12XS	12.0	305	10.06	256	-	-
MFK16XS	16.0	406	14.06	357	-	-
MFK20XS	20.0	508	18.06	459	8.00	203
MFK24XS	24.0	610	22.06	560	10.00	254

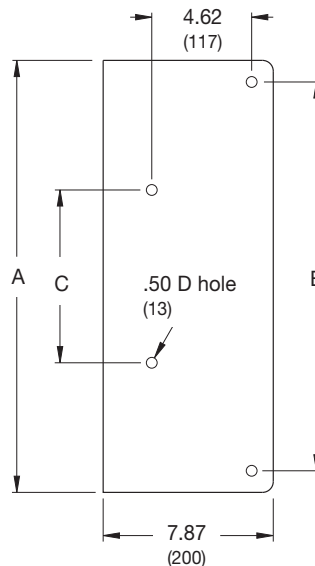
Floor Stand Kits are intended for use with Enviro Shield Type 4X, Type 4 and Type 12 Enclosures where floor support is required. Each kit consists of two (10) gauge legs and hardware for mounting. At the base of each leg is a prepunched plate (see drawing). Steel kits have a gray polyester powder paint finish. Stainless steel kits are fabricated from 304 stainless steel. Standard Floor Stand Kits are 12 inches (305 mm) high. For special heights, special material or non-standard construction consult the factory.



Floor Stand Kit



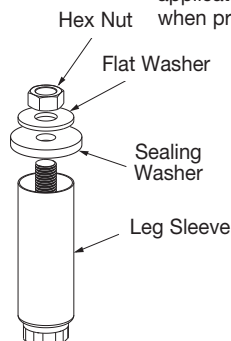
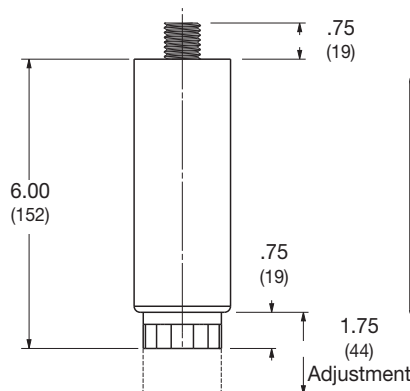
Base 12 - 16 Deep



Base 20 - 24 Deep

Sanitary Leg Kit	
Catalog Number	Description
ES-SMFK6	Set of four (4) legs

Kit allows space between enclosure and floor for compliance in NSF environments $1\frac{3}{4}$ " (44mm) adjustment provides flexibility in all applications. Four (4) legs per kit, maintains UL/cUL Type 4X rating when properly installed.



Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.



Type 4X Fiberglass Enclosures

Type 4X Fiberglass

JIC Enclosures Type 4X Lift-Off Screw Cover	256-257
JIC Enclosures Type 4X Hinged Screw Cover	258-259
JIC Enclosures Type 4X Hinged Quick-Release Cover	260-261
JIC Enclosures Type 4X Hinged Quick-Release Window Cover	262-263
JIC Enclosures Type 4X Premier™ Series Hinged Screw Cover	264-265
JIC Enclosures Type 4X Premier™ Series Hinged Quick-Release Cover	266-267
JIC Enclosures Type 4X Premier™ Series Hinged Quick-Release Clear Cover	268-269
JIC Enclosures Type 4X Small Junction	270-271
JIC Enclosures Type 4X Small Junction	272-273
Wall-Mount Enclosures Type 3R Continuous Hinge Cover	274-275
Wall-Mount Enclosures Type 4X Single-Door	276-277
Wall-Mount Enclosures Type 4X Double-Door	278-279
Ground-Mount Enclosures Type 4X Free-Standing Single-Door	280-281
Ground-Mount Enclosures Type 4X Free-Standing Double-Door	282-283
Pushbutton Enclosures Type 4X In-Line 30mm	284-285
Pushbutton Enclosures Type 4X In-Line 22mm	286-287
Pushbutton Enclosures Type 4X Multi-Hole 30mm	288-289
Fiberglass Back Panels	290-291
Fiberglass Accessories	292-294

Type 4X Fiberglass Enclosures

JIC Enclosures Type 4X Lift-Off Screw Cover Data Sheet



Application

- Houses electrical and electronic controls and instruments
- Intended for indoor or outdoor use
- Ideally suited for harsh environments
- Protects against corrosion, windblown dust and rain, splashing water, hose directed water, and prolonged submersion

Standards

- UL/cUL 50 Listed, Type 1, Type 3, Type 4X, Type 6P, Type 12
- Conforms to NEMA Standard for Type 1, Type 3, Type 4X, Type 6P, Type 12
- CSA 22.2, Type 1, Type 3, Type 4X, Type 6P, Type 12
- Temperature Range: -40°F to 250°F (-40°C to 120°C)
- Flammability Rating: UL94-5V
- Self Extinguishing: Non-flame propagating
- Chemical Resistance: (see chart, pages 458 - 461)

Finish

- Gray color

Accessories

- Back Panels (see page 290)
- See accessories (pages 292 - 293)

Construction

- Enclosures are an impact resistant, non-conductive, light-weight hot compression molded fiberglass reinforced polyester
- Poured polyurethane seamless gasket provides watertight, dust-tight environmental seal
- Captive screws provide smooth surfaces
- 300 series stainless steel used on all external hardware
- Molded in flange for ease of mounting
- Stainless steel beaded chain for securing cover after lift off
- Integral mounting bosses utilize threaded brass inserts accepting #10-32 screws for mounting optional panel
- Rounded edges reduce build-up of dust and debris

Discount Schedule: F2

Subclass: G00

Notes: Cooper B-Line can provide special modifications. Consult the factory for your special requirements.

Type 4X Fiberglass Enclosures

JIC Enclosures Type 4X Lift-Off Screw Cover Illustration Sheet and Catalog Number

Enclosure Catalog #	Overall Dimensions		Inside Dimensions		E		F		Hole Dia.		Panel No.
	H x W x D		A x B x C		in.	mm	in.	mm	in.	mm	
	in.	mm	in.	mm							
644-4XFLC	7.50 x 5.43 x 4.75	191 x 138 x 121	5.84 x 3.85 x 4.45	148 x 98 x 113	6.75	171	2.00	51	0.31	8	AW64__
664-4XFLC	7.50 x 7.50 x 4.75	191 x 191 x 121	5.72 x 5.72 x 4.45	145 x 145 x 113	6.75	171	4.00	101	0.31	8	AW66__
864-4XFLC	9.62 x 7.50 x 4.74	244 x 191 x 121	7.73 x 5.74 x 4.45	196 x 146 x 113	8.88	225	4.00	101	0.31	8	AW86__
884-4XFLC	9.56 x 9.38 x 4.89	243 x 238 x 124	7.73 x 7.73 x 4.64	196 x 196 x 118	8.75	222	6.00	152	0.31	8	AW88__
1084-4XFLC	11.62 x 9.41 x 4.25	295 x 239 x 108	9.73 x 7.73 x 3.98	247 x 196 x 101	10.75	273	6.00	152	0.31	8	AW108__
* 1085-4XFLC	11.62 x 9.37 x 5.06	295 x 238 x 129	9.73 x 7.73 x 4.83	247 x 196 x 123	10.75	273	6.00	152	0.31	8	AW108__
12105-4XFLC	13.56 x 11.43 x 5.21	344 x 291 x 132	11.79 x 9.80 x 4.94	299 x 249 x 125	12.75	324	8.00	203	0.31	8	AW1210__
12126-4XFLC	13.56 x 13.38 x 6.36	344 x 340 x 161	11.70 x 11.70 x 6.11	297 x 297 x 155	12.75	324	10.00	254	0.31	8	AW1212__
1476-4XFLC	15.87 x 8.75 x 6.81	403 x 222 x 173	14.00 x 7.00 x 6.56	356 x 178 x 167	15.00	381	5.00	127	0.31	8	AW147__
14126-4XFLC	15.50 x 13.50 x 6.25	394 x 343 x 159	13.53 x 11.55 x 5.94	344 x 293 x 151	14.62	371	10.00	254	0.31	8	AW1412__
16146-4XFLC	17.53 x 15.46 x 6.23	445 x 393 x 158	15.63 x 13.60 x 5.94	397 x 345 x 151	16.75	425	12.00	305	0.31	8	AW1614__
18168-4XFLC	19.62 x 17.61 x 8.82	498 x 447 x 224	17.69 x 15.69 x 8.45	449 x 399 x 215	18.88	479	12.00	305	0.31	8	AW1816__
20168-4XFLC	22.00 x 17.68 x 8.83	559 x 449 x 224	19.72 x 15.72 x 8.45	501 x 399 x 215	21.25	540	10.00	254	0.31	8	AW2016__

Enclosure Catalog #	Dimensions									
	J		K		L		M		N	
	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm
644-4XFLC	4.00	101	4.25	108	2.25	57	0.25	6	7.39	188
664-4XFLC	4.00	101	4.25	108	4.25	108	0.25	6	7.52	191
864-4XFLC	4.00	101	6.25	159	4.25	108	0.25	6	9.50	242
884-4XFLC	4.06	103	6.25	159	6.25	159	0.25	6	9.37	238
1084-4XFLC	3.50	89	8.25	209	6.25	159	0.25	6	11.35	288
* 1085-4XFLC	4.37	111	8.25	209	6.25	159	0.25	6	11.37	289
12105-4XFLC	4.50	114	10.25	260	8.25	209	0.25	6	13.41	341
12126-4XFLC	5.53	140	10.25	260	10.25	260	0.25	6	13.38	340
1476-4XFLC	6.12	156	12.25	311	5.25	133	0.25	6	15.75	400
14126-4XFLC	5.37	137	12.25	311	10.25	260	0.25	6	15.47	393
16146-4XFLC	5.36	136	14.25	362	12.25	311	0.25	6	17.45	443
18168-4XFLC	7.99	203	16.25	413	14.25	362	0.25	6	19.61	498
20168-4XFLC	8.00	203	18.25	464	14.25	362	0.25	6	21.68	551

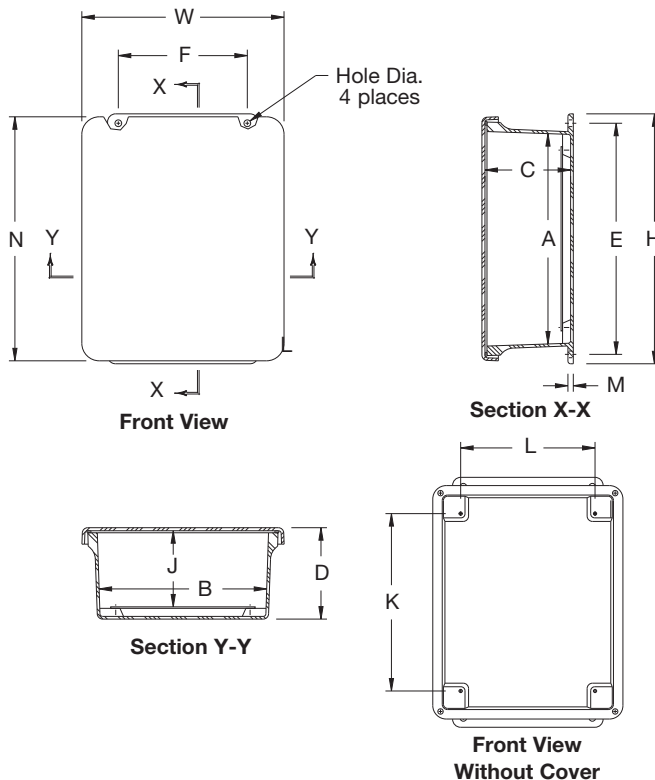
* Crowned Cover

Panel Finishes

Example: AW108__

Insert for __

P = Carbon Steel
SP = Stainless Steel
AP = Aluminum



Back Panel
(see page 290)



Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Type 4X Fiberglass Enclosures

JIC Enclosures Type 4X Hinged Screw Cover Data Sheet



Application

- Houses electrical and electronic controls and instruments
- Intended for indoor or outdoor use
- Ideally suited for harsh environments
- Protects against corrosion, windblown dust and rain, splashing water, hose directed water, and prolonged submersion

Standards

- UL/cUL 50 Listed, Type 1, Type 3, Type 4X, Type 6P, Type 12
- Conforms to NEMA Standard for Type 1, Type 3, Type 4X, Type 6P, Type 12
- CSA 22.2, Type 1, Type 3, Type 4X, Type 6P, Type 12
- Temperature Range: -40°F to 250°F (-40°C to 120°C)
- Flammability Rating: UL94-5V
- Self Extinguishing: Non-flame propagating
- Chemical Resistance: (see chart, pages 458 - 461)

Finish

- Gray color

Accessories

- Back Panels (see page 290)
- See accessories (pages 292 - 293)

Construction

- Enclosures are an impact resistant, non-conductive, light-weight hot compression molded fiberglass reinforced polyester
- Poured polyurethane seamless gasket provides watertight, dust-tight environmental seal
- Captive screws provide smooth surfaces
- 300 series stainless steel used on all external hardware
- Integral flange molded in place for ease of mounting
- Integral mounting bosses utilize threaded brass inserts accepting #10-32 screws for mounting optional panel
- Rounded edges reduce build-up of dust and debris
- Full length stainless steel hinged cover

Discount Schedule: F2

Subclass: G00

Notes: Cooper B-Line can provide special modifications. Consult the factory for your special requirements.

Type 4X Fiberglass Enclosures

JIC Enclosures Type 4X Hinged Screw Cover Illustration Sheet and Catalog Number

Enclosure Catalog #	Overall Dimensions		Inside Dimensions		E		F		Hole Dia.		Panel No.
	H x W x D		A x B x C		in.	mm	in.	mm	in.	mm	
	in.	mm	in.	mm							
644-4XFCHSC	7.50 x 5.43 x 4.75	191 x 138 x 121	5.84 x 3.85 x 4.45	148 x 98 x 113	6.75	171	2.00	51	0.31	8	AW64__
664-4XFCHSC	7.50 x 7.50 x 4.75	191 x 191 x 121	5.72 x 5.72 x 4.45	145 x 145 x 113	6.75	171	4.00	101	0.31	8	AW66__
864-4XFCHSC	9.62 x 7.50 x 4.74	244 x 191 x 121	7.73 x 5.74 x 4.45	196 x 146 x 113	8.88	225	4.00	101	0.31	8	AW86__
884-4XFCHSC	9.56 x 9.38 x 4.89	243 x 238 x 124	7.73 x 7.73 x 4.64	196 x 196 x 119	8.75	222	6.00	152	0.31	8	AW88__
1084-4XFCHSC	11.62 x 9.41 x 4.25	295 x 239 x 108	9.73 x 7.73 x 3.98	247 x 196 x 101	10.75	273	6.00	152	0.31	8	AW108__
* 1085-4XFCHSC	11.62 x 9.37 x 5.06	295 x 238 x 129	9.73 x 7.73 x 4.83	247 x 196 x 123	10.75	273	6.00	152	0.31	8	AW108__
12105-4XFCHSC	13.56 x 11.43 x 5.21	344 x 291 x 132	11.79 x 9.80 x 4.94	299 x 249 x 125	12.75	324	8.00	203	0.31	8	AW1210__
12126-4XFCHSC	13.56 x 13.38 x 6.36	344 x 340 x 161	11.70 x 11.70 x 6.11	297 x 297 x 155	12.75	324	10.00	254	0.31	8	AW1212__
1476-4XFCHSC	15.87 x 8.75 x 6.81	403 x 222 x 173	14.00 x 7.00 x 6.56	356 x 178 x 167	15.00	381	5.00	127	0.31	8	AW147__
14126-4XFCHSC	15.50 x 13.50 x 6.25	394 x 343 x 159	13.53 x 11.55 x 5.94	344 x 293 x 151	14.62	371	10.00	254	0.31	8	AW1412__
16146-4XFCHSC	17.53 x 15.46 x 6.23	445 x 393 x 158	15.63 x 13.60 x 5.94	397 x 345 x 151	16.75	425	12.00	305	0.31	8	AW1614__
18168-4XFCHSC	19.62 x 17.61 x 8.82	498 x 447 x 224	17.69 x 15.69 x 8.45	449 x 399 x 215	18.88	479	12.00	305	0.31	8	AW1816__
20168-4XFCHSC	22.00 x 17.68 x 8.83	559 x 449 x 224	19.72 x 15.72 x 8.45	501 x 399 x 215	21.25	540	10.00	254	0.31	8	AW2016__J

Enclosure Catalog #	Dimensions									
	J		K		L		M		N	
	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm
644-4XFCHSC	4.00	101	4.25	108	2.25	57	0.25	6	7.39	188
664-4XFCHSC	4.00	101	4.25	108	4.25	108	0.25	6	7.52	191
864-4XFCHSC	4.00	101	6.25	159	4.25	108	0.25	6	9.50	242
884-4XFCHSC	4.06	103	6.25	159	6.25	159	0.25	6	9.37	238
1084-4XFCHSC	3.50	89	8.25	209	6.25	159	0.25	6	11.35	288
* 1085-4XFCHSC	4.37	111	8.25	209	6.25	159	0.25	6	11.37	289
12105-4XFCHSC	4.50	114	10.25	260	8.25	209	0.25	6	13.41	341
12126-4XFCHSC	5.53	140	10.25	260	10.25	260	0.25	6	13.38	340
1476-4XFCHSC	6.12	156	12.25	311	5.25	133	0.25	6	15.75	400
14126-4XFCHSC	5.37	137	12.25	311	10.25	260	0.25	6	15.47	393
16146-4XFCHSC	5.36	136	14.25	362	12.25	311	0.25	6	17.45	443
18168-4XFCHSC	7.99	203	16.25	413	14.25	362	0.25	6	19.61	498
20168-4XFCHSC	8.00	203	18.25	464	14.25	362	0.25	6	21.68	551

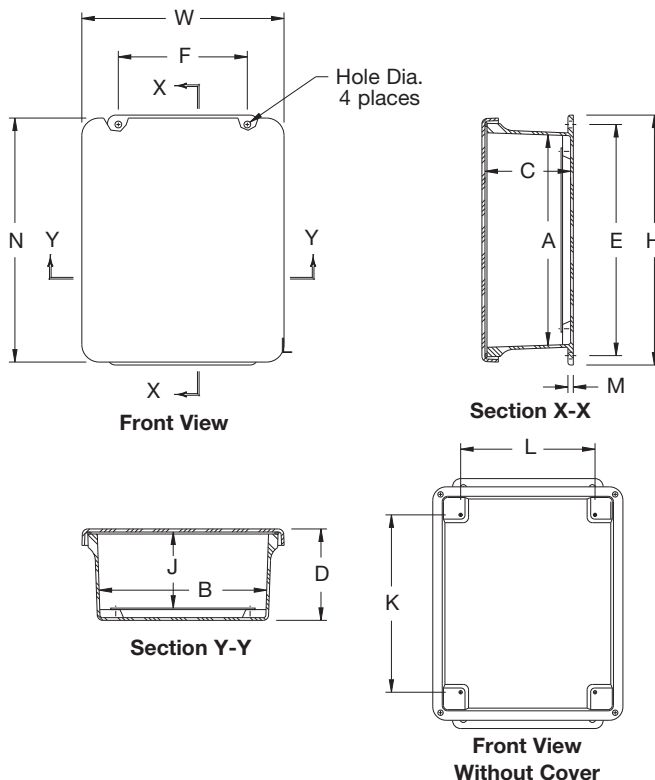
* Crowned Cover

Panel Finishes

Example: AW108__

Insert for __

P = Carbon Steel
SP = Stainless Steel
AP = Aluminum



Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Type 4X Fiberglass Enclosures

JIC Enclosures

Type 4X Hinged Quick-Release Cover

Data Sheet



Application

- Houses electrical and electronic controls and instruments
- Intended for indoor or outdoor use
- Ideally suited for harsh environments
- Protects against corrosion, windblown dust and rain, splashing water, hose directed water, and prolonged submersion

Standards

- UL/cUL 50 Listed, Type 1, Type 3, Type 4X, Type 6P, Type 12
- Conforms to NEMA Standard for Type 1, Type 3, Type 4X, Type 6P, Type 12
- CSA 22.2, Type 1, Type 3, Type 4X, Type 6P, Type 12
- Temperature Range: -40°F to 250°F (-40°C to 120°C)
- Flammability Rating: UL94-5V
- Self Extinguishing: Non-flame propagating
- Chemical Resistance: (see chart, pages 458 - 461)

Finish

- Gray color

Accessories

- Back Panels (see page 290)
- See accessories (pages 292 - 293)

Construction

- Enclosures are an impact resistant, non-conductive, light-weight hot compression molded fiberglass reinforced polyester
- Poured polyurethane seamless gasket provides watertight, dust-tight environmental seal
- Captive screws provide smooth surfaces
- 300 series stainless steel used on all external hardware
- Integral flange molded in place for ease of mounting
- Integral mounting bosses utilize threaded brass inserts accepting #10-32 screws for mounting optional panel
- Rounded edges reduce build-up of dust and debris
- Full length stainless steel hinged cover
- Padlocking latches provide quick access and optional closure locking (padlock not included)

Discount Schedule: F2

Subclass: G00

Notes: Cooper B-Line can provide special modifications. Consult the factory for your special requirements.

Type 4X Fiberglass Enclosures

JIC Enclosures Type 4X Hinged Quick-Release Cover Illustration Sheet and Catalog Number

Enclosure Catalog #	Overall Dimensions		Inside Dimensions		E		F		Hole Dia.		Panel No.
	H x W x D		A x B x C		in.	mm	in.	mm	in.	mm	
	in.	mm	in.	mm							
644-4XFCHQRC	7.50 x 5.43 x 4.75	191 x 138 x 121	5.84 x 3.85 x 4.45	148 x 98 x 113	6.75	171	2.00	51	0.31	8	AW64__
664-4XFCHQRC	7.50 x 7.50 x 4.75	191 x 191 x 121	5.72 x 5.72 x 4.45	145 x 145 x 113	6.75	171	4.00	101	0.31	8	AW66__
864-4XFCHQRC	9.62 x 7.50 x 4.74	244 x 191 x 121	7.73 x 5.74 x 4.45	196 x 146 x 113	8.88	225	4.00	101	0.31	8	AW86__
884-4XFCHQRC	9.56 x 9.38 x 4.87	243 x 238 x 123	7.73 x 7.73 x 4.62	196 x 196 x 117	8.75	222	6.00	152	0.31	8	AW88__
1084-4XFCHQRC	11.62 x 9.41 x 4.25	295 x 239 x 108	9.73 x 7.73 x 3.98	247 x 196 x 101	10.75	273	6.00	152	0.31	8	AW108__
* 1085-4XFCHQRC	11.62 x 9.37 x 5.06	295 x 238 x 129	9.73 x 7.73 x 4.83	247 x 196 x 123	10.75	273	6.00	152	0.31	8	AW108__
12105-4XFCHQRC	13.56 x 11.43 x 5.21	344 x 291 x 132	11.79 x 9.80 x 4.94	299 x 249 x 125	12.75	324	8.00	203	0.31	8	AW1210__
12126-4XFCHQRC	13.56 x 13.38 x 6.36	344 x 340 x 161	11.70 x 11.70 x 6.11	297 x 297 x 155	12.75	324	10.00	254	0.31	8	AW1212__
1476-4XFCHQRC	15.87 x 8.75 x 6.81	403 x 222 x 173	14.00 x 7.00 x 6.56	356 x 178 x 167	15.00	381	5.00	127	0.31	8	AW147__
14126-4XFCHQRC	15.50 x 13.50 x 6.25	394 x 343 x 159	13.53 x 11.55 x 5.94	344 x 293 x 151	14.62	371	10.00	254	0.31	8	AW1412__
16146-4XFCHQRC	17.53 x 15.46 x 6.23	445 x 393 x 158	15.63 x 13.60 x 5.94	397 x 345 x 151	16.75	425	12.00	305	0.31	8	AW1614__
18168-4XFCHQRC	19.62 x 17.61 x 8.82	498 x 447 x 224	17.69 x 15.69 x 8.45	449 x 399 x 215	18.88	479	12.00	305	0.31	8	AW1816__
20168-4XFCHQRC	22.00 x 17.68 x 8.83	559 x 449 x 224	19.72 x 15.72 x 8.45	501 x 399 x 215	21.25	540	10.00	254	0.31	8	AW2016__J

Enclosure Catalog #	Dimensions									
	J		K		L		M		N	
	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm
644-4XFCHQRC	4.00	101	4.25	108	2.25	57	0.25	6	7.39	188
664-4XFCHQRC	4.00	101	4.25	108	4.25	108	0.25	6	7.52	191
864-4XFCHQRC	4.00	101	6.25	159	4.25	108	0.25	6	9.50	242
884-4XFCHQRC	3.98	101	6.25	159	6.25	159	0.25	6	9.38	238
1084-4XFCHQRC	3.50	89	8.25	209	6.25	159	0.25	6	11.35	288
* 1085-4XFCHQRC	4.37	111	8.25	209	6.25	159	0.25	6	11.37	289
12105-4XFCHQRC	4.50	114	10.25	260	8.25	209	0.25	6	13.41	341
12126-4XFCHQRC	5.53	140	10.25	260	10.25	260	0.25	6	13.38	340
1476-4XFCHQRC	6.12	156	12.25	311	5.25	133	0.25	6	15.75	400
14126-4XFCHQRC	5.37	137	12.25	311	10.25	260	0.25	6	15.47	393
16146-4XFCHQRC	5.36	136	14.25	362	12.25	311	0.25	6	17.45	443
18168-4XFCHQRC	7.99	203	16.25	413	14.25	362	0.25	6	19.61	498
20168-4XFCHQRC	8.00	203	18.25	464	14.25	362	0.25	6	21.68	551

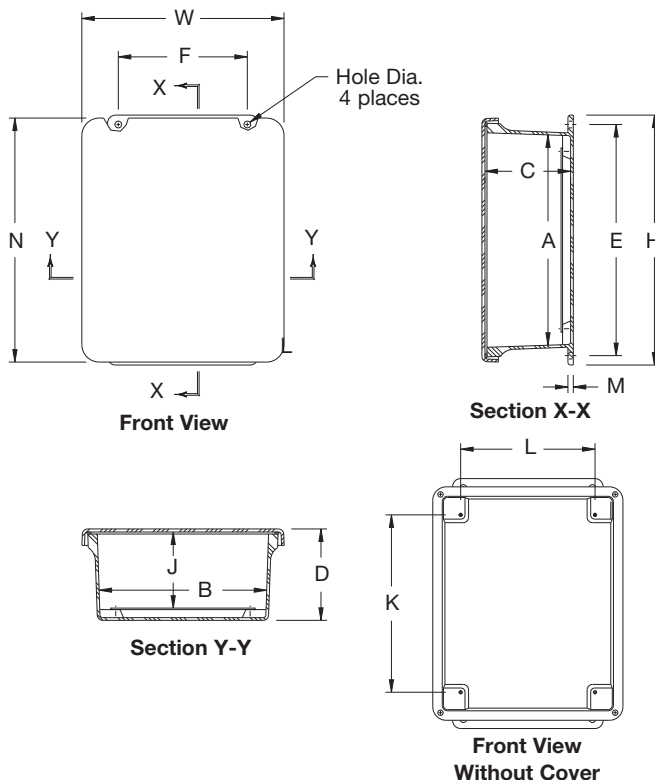
* Crowned Cover

Panel Finishes

Example: AW108__

Insert for __

P = Carbon Steel
SP = Stainless Steel
AP = Aluminum



Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Type 4X Fiberglass Enclosures

JIC Enclosures

Type 4X Hinged Quick-Release Window Cover

Data Sheet



Application

- Houses electrical and electronic controls and instruments
- Intended for indoor or outdoor use
- Ideally suited for harsh environments
- Protects against corrosion, windblown dust and rain, splashing water, hose directed water, and prolonged submersion

Standards

- UL/cUL 50 Listed, Type 1, Type 3, Type 4X, Type 6P, Type 12
- Conforms to NEMA Standard for Type 1, Type 3, Type 4X, Type 6P, Type 12
- CSA 22.2, Type 1, Type 3, Type 4X, Type 6P, Type 12
- Temperature Range: -40°F to 250°F (-40°C to 120°C)
- Flammability Rating: UL94-5V
- Self Extinguishing: Non-flame propagating
- Chemical Resistance: (see chart, pages 458 - 461)

Finish

- Gray color

Accessories

- Back Panels (see page 290)
- See accessories (pages 292 - 293)

Construction

- Enclosures are an impact resistant, non-conductive, light-weight hot compression molded fiberglass reinforced polyester
- Poured polyurethane seamless gasket provides watertight, dust-tight environmental seal
- Captive screws provide smooth surfaces
- 300 series stainless steel used on all external hardware
- Integral flange molded in place for ease of mounting
- Integral mounting bosses utilize threaded brass inserts accepting #10-32 screws for mounting optional panel
- Rounded edges reduce build-up of dust and debris
- Full length stainless steel hinged cover
- Padlocking latches provide quick access and optional closure locking (padlock not included)
- Window utilizes a scratch resistant UVA acrylic material to provide internal component visibility

Discount Schedule: F2

Subclass: G00

Notes: Cooper B-Line can provide special modifications. Consult the factory for your special requirements.

Type 4X Fiberglass Enclosures

JIC Enclosures Type 4X Hinged Quick-Release Window Cover Illustration Sheet and Catalog Number

Enclosure Catalog #	Overall Dimensions		Inside Dimensions		Window Area (Maximum)		Mtg. Dimension				Panel No.
	H x W x D		A x B x C		(Maximum)		E		F		
	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	
644-4XFCHQRCW	7.50 x 5.43 x 4.75	191 x 138 x 121	5.84 x 3.85 x 4.45	148 x 98 x 113	4.25 x 2.25	108 x 57	6.75	171	2.00	51	AW64__
664-4XFCHQRCW	7.50 x 7.50 x 4.75	191 x 191 x 121	5.72 x 5.72 x 4.45	145 x 145 x 113	4.25 x 4.25	108 x 108	6.75	171	4.00	101	AW66__
864-4XFCHQRCW	9.62 x 7.50 x 4.74	244 x 191 x 121	7.73 x 5.74 x 4.45	196 x 146 x 113	6.25 x 4.25	159 x 108	8.88	225	4.00	101	AW86__
1084-4XFCHQRCW	11.62 x 9.41 x 4.25	295 x 239 x 108	9.73 x 7.73 x 3.98	247 x 196 x 101	8.25 x 6.25	210 x 159	10.75	273	6.00	152	AW108__
* 1085-4XFCHQRCWxx	11.62 x 9.37 x 5.06	295 x 238 x 129	9.73 x 7.73 x 4.83	247 x 196 x 123	8.25 x 6.25	210 x 159	10.75	273	6.00	152	AW108__
12105-4XFCHQRCW	13.56 x 11.43 x 5.21	344 x 291 x 132	11.79 x 9.80 x 4.94	299 x 249 x 125	10.25 x 8.25	260 x 210	12.75	324	8.00	203	AW1210__
1476-4XFCHQRCW	15.87 x 8.75 x 6.81	403 x 222 x 173	14.00 x 7.00 x 6.56	356 x 178 x 167	12.75 x 5.75	324 x 146	15.00	381	5.00	127	AW147__
14126-4XFCHQRCW	15.50 x 13.50 x 6.25	394 x 343 x 159	13.53 x 11.55 x 5.94	344 x 293 x 151	12.25 x 10.25	311 x 260	14.62	371	10.00	254	AW1412__
16146-4XFCHQRCW	17.53 x 15.46 x 6.23	445 x 393 x 158	15.63 x 13.60 x 5.94	397 x 345 x 151	14.25 x 12.25	362 x 311	16.75	425	12.00	305	AW1614__
18168-4XFCHQRCW	19.62 x 17.61 x 8.82	498 x 447 x 224	17.69 x 15.69 x 8.45	449 x 399 x 215	16.25 x 14.25	413 x 362	18.88	479	12.00	305	AW1816__
20168-4XFCHQRCW	22.00 x 17.68 x 8.83	559 x 449 x 224	19.72 x 15.72 x 8.45	501 x 399 x 215	18.25 x 14.25	464 x 362	21.25	540	10.00	254	AW2016__J

* Crowned Cover

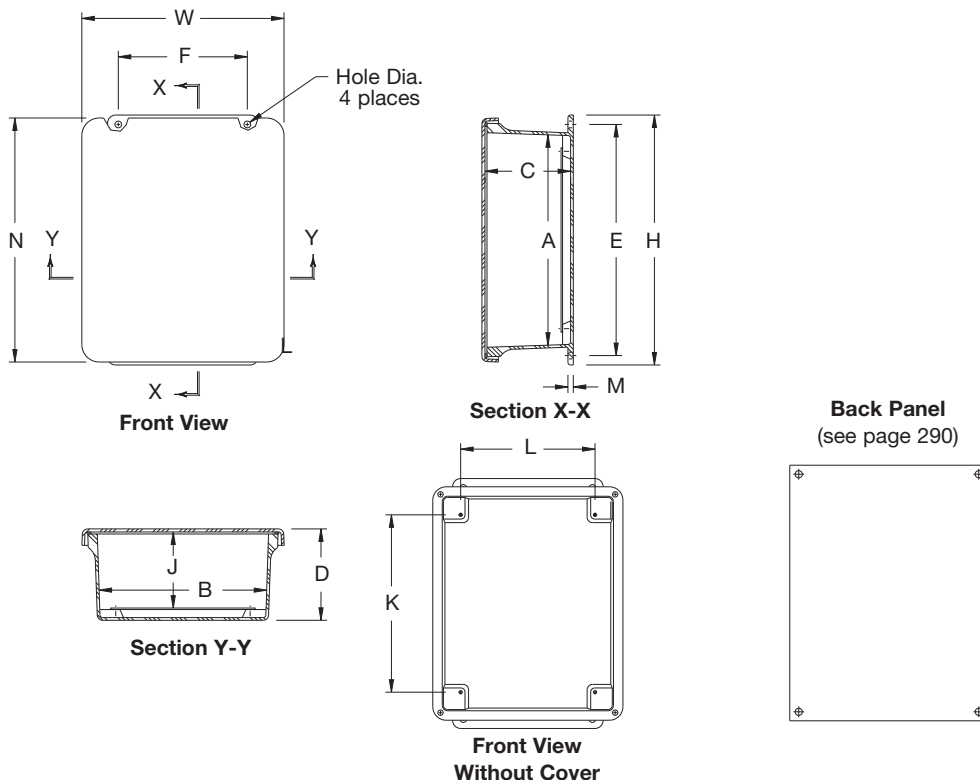
Enclosure Catalog #	Hole Dia.		Dimensions									
			J		K		L		M		N	
	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm
644-4XFCHQRCW	0.31	8	4.00	101	4.25	108	2.25	57	0.25	6	7.39	188
664-4XFCHQRCW	0.31	8	4.00	101	4.25	108	4.25	108	0.25	6	7.52	191
864-4XFCHQRCW	0.31	8	4.00	101	6.25	159	4.25	108	0.25	6	9.50	242
1084-4XFCHQRCW	0.31	8	3.50	89	8.25	209	6.25	159	0.25	6	11.35	288
* 1085-4XFCHQRCWxx	0.31	8	4.37	111	8.25	209	6.25	159	0.25	6	11.37	289
12105-4XFCHQRCW	0.31	8	4.50	114	10.25	260	8.25	209	0.25	6	13.41	341
1476-4XFCHQRCW	0.31	8	6.12	156	12.25	311	5.25	133	0.25	6	15.75	400
14126-4XFCHQRCW	0.31	8	5.37	137	12.25	311	10.25	260	0.25	6	15.47	393
16146-4XFCHQRCW	0.31	8	5.36	136	14.25	362	12.25	311	0.25	6	17.45	443
18168-4XFCHQRCW	0.31	8	7.99	203	16.25	413	14.25	362	0.25	6	19.61	498
20168-4XFCHQRCW	0.31	8	8.00	203	18.25	464	14.25	362	0.25	6	21.68	551

Panel Finishes

Example: AW108__

Insert for __

P = Carbon Steel
SP = Stainless Steel
AP = Aluminum



Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Type 4X Fiberglass Enclosures

JIC Enclosures Type 4X Premier™ Series Hinged Screw Cover Data Sheet



Application

- Houses electrical and electronic controls and instruments
- Intended for indoor or outdoor use
- Ideally suited for harsh environments
- Protects against corrosion, windblown dust and rain, splashing water, and hose directed water

Standards

- UL/cUL 50 Listed, Type 1, Type 3, Type 3s, Type 4X, Type 12, Type 13
- Conforms to NEMA Standard for Type 1, Type 3, Type 3s, Type 4X, Type 12, Type 13
- CSA 22.2, Type 1, Type 3, Type 3s, Type 4X, Type 12, Type 13
- Temperature Range: -40°F to 250°F (-40°C to 120°C)
- Flammability Rating: UL94-5V
- Self Extinguishing: Non-halogenated, Non-flame propagating
- Chemical Resistance: (see chart, pages 458 - 461)
- NFPA No. 101 Flame Spread, Class A (1)

Finish

- Gray color

Accessories

- Back Panels (see page 290)
- Mounting Foot kits (see page 294)
- See accessories (pages 292 - 293)

Construction

- Enclosures are an impact resistant, non-conductive, light-weight hot compression molded fiberglass reinforced polyester
- Poured polyurethane seamless gasket provides watertight, dust-tight environmental seal
- Captive screws provide smooth surfaces
- 300 series stainless steel used on all external hardware
- Integral mounting bosses utilize threaded brass inserts accepting #10-32 screws for mounting optional panel
- Rounded edges reduce build-up of dust and debris
- Full 180° door opening

Discount Schedule: F2

Subclass: G00

Notes: Cooper B-Line can provide special modifications. Consult the factory for your special requirements.

Type 4X Fiberglass Enclosures

JIC Enclosures Type 4X Premier™ Series Hinged Screw Cover Illustration Sheet and Catalog Number

Enclosure Catalog #	Overall Dimensions H x W x D		Inside Dimensions A x B x C		Mtg. Dimension P x R		Optional Feet Mtg. E x F		Panel No.
	in.	mm	in.	mm	in.	mm	in.	mm	
664-SDF	7.41x7.79x4.31	188x198x109	6.77x6.77x4.06	172x172x103	5.93x4.00	150x101	8.24x4.00	209x101	AW66__
864-SDF	9.41x7.79x4.31	239x198x109	8.77x6.77x4.06	228x172x103	7.91x4.00	201x101	10.21x4.00	259x101	AW86__
884-SDF	9.39x9.76x4.31	238x248x109	8.74x8.74x4.06	222x222x103	7.91x6.00	201x152	10.21x6.00	259x152	AW88__
1086-SDF	11.42x9.79x6.31	290x248x160	10.73x8.73x6.06	272x222x154	9.89x6.00	251x152	12.19x6.00	309x152	AW108__
12106-SDF	13.45x11.83x6.31	341x300x160	12.69x10.69x6.06	322x271x154	11.88x8.00	302x203	14.18x8.00	360x203	AW1210__
14126-SDF	15.49x13.86x6.34	393x352x161	14.72x12.72x6.06	374x323x154	13.91x10.00	353x254	16.21x10.00	412x254	AW1412__
14128-SDF	15.49x13.86x8.34	393x352x212	14.66x12.66x8.06	372x321x205	13.88x10.00	352x254	16.19x10.00	411x254	AW1412__
16148-SDF	17.58x15.96x8.34	446x405x212	16.69x14.69x8.06	424x373x205	15.96x12.00	405x205	18.26x12.00	464x305	AW1614__
181610-SDF	19.77x18.15x10.34	502x461x262	18.63x16.63x10.06	473x422x255	17.94x14.00	455x355	20.24x14.00	514x355	AW1816__
201610-SDF	21.79 x 18.16 x 10.34	553 x 461 x 262	20.63 x 16.63 x 10.06	524 x 422 x 255	19.96 x 14.00	507 x 355	22.26 x 14.00	565 x 355	AW2016__J

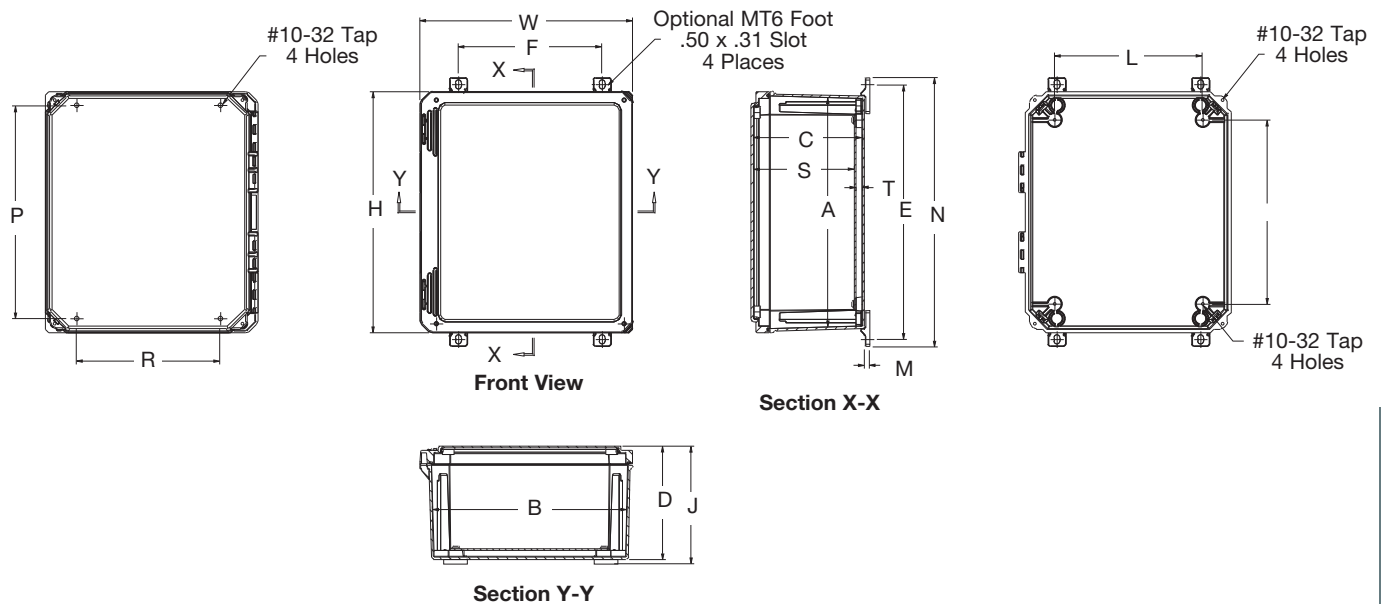
Enclosure Catalog #	Dimensions													
	K		L		S		T		N		J		M	
	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm
664-SDF	4.25	108	4.25	108	3.60	91	0.38	9.6	9.02	229	4.56	116	0.25	6.35
864-SDF	6.25	159	4.25	108	3.60	91	0.38	9.6	10.98	279	4.56	116	0.25	6.35
884-SDF	6.25	159	6.25	159	3.60	91	0.38	9.6	10.98	279	4.56	116	0.25	6.35
1086-SDF	8.25	210	6.25	159	5.60	142	0.38	9.6	12.96	329	6.56	167	0.25	6.35
12106-SDF	10.25	260	8.25	210	5.60	142	0.38	9.6	14.95	380	6.56	167	0.25	6.35
14126-SDF	12.25	311	10.25	260	5.60	142	0.38	9.6	16.98	431	6.59	167	0.25	6.35
14128-SDF	12.25	311	10.25	260	7.60	193	0.38	9.6	16.96	431	8.59	218	0.25	6.35
16148-SDF	14.25	362	12.25	311	7.60	193	0.38	9.6	19.04	483	8.59	218	0.25	6.35
181610-SDF	16.25	413	14.25	362	9.60	244	0.38	9.6	21.02	534	10.59	269	0.25	6.35
201610-SDF	18.25	463	14.25	362	9.59	244	0.38	9.6	23.04	585	10.59	269	0.25	6.35

Panel Finishes

Example: AW108__

Insert for __

P = Carbon Steel
SP = Stainless Steel
AP = Aluminum



Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Type 4X Fiberglass Enclosures

JIC Enclosures

Type 4X Premier™ Series Hinged Quick-Release Cover

Data Sheet



Application

- Houses electrical and electronic controls and instruments
- Intended for indoor or outdoor use
- Ideally suited for harsh environments
- Protects against corrosion, windblown dust and rain, splashing water, and hose directed water

Standards

- UL/cUL 50 Listed, Type 1, Type 3, Type 3s, Type 4X, Type 12, Type 13
- Conforms to NEMA Standard for Type 1, Type 3, Type 3s, Type 4X, Type 12, Type 13
- CSA 22.2, Type 1, Type 3, Type 3s, Type 4X, Type 12, Type 13
- Temperature Range: -40°F to 250°F (-40°C to 120°C)
- Flammability Rating: UL94-5V
- Window Flammability Rating: UL94V-0
- Self Extinguishing: Non-halogenated, Non-flame propagating
- Chemical Resistance: (see chart, pages 458 - 461)
- NFPA No. 101 Flame Spread, Class A (1)

Finish

- Gray color

Accessories

- Back Panels (see page 290)
- Mounting Foot kits (see page 294)
- See accessories (pages 292 - 293)

Construction

- Enclosures are an impact resistant, non-conductive, light-weight hot compression molded fiberglass reinforced polyester
- Poured polyurethane seamless gasket provides watertight, dust-tight environmental seal
- Captive screws provide smooth surfaces
- 300 series stainless steel used on all external hardware
- Integral mounting bosses utilize threaded brass inserts accepting #10-32 screws for mounting optional panel
- Rounded edges reduce build-up of dust and debris
- Full 180° door opening
- Padlocking latches provide quick access and optional closure locking (padlock not included)
- Flush mounted scratch and abrasion resistant polycarbonate clear cover option provides internal component visibility

Discount Schedule: F2

Subclass: G00

Notes: Cooper B-Line can provide special modifications. Consult the factory for your special requirements.

Type 4X Fiberglass Enclosures

JIC Enclosures Type 4X Premier™ Series Hinged Quick-Release Cover Illustration Sheet and Catalog Number

Enclosure Catalog #	Overall Dimensions H x W x D		Inside Dimensions A x B x C		Mtg. Dimension P x R		Optional Feet Mtg. E x F		Panel No.
	in.	mm	in.	mm	in.	mm	in.	mm	
664-SDFQR	7.41 x 7.79 x 4.31	188 x 198 x 109	6.77 x 6.77 x 4.06	172 x 172 x 103	5.93 x 4.00	150 x 101	8.24 x 4.00	209 x 101	AW66__
864-SDFQR	9.41 x 7.79 x 4.31	239 x 198 x 109	8.77 x 6.77 x 4.06	228 x 172 x 103	7.91 x 4.00	201 x 101	10.21 x 4.00	259 x 101	AW86__
884-SDFQR	9.39 x 9.76 x 4.31	238 x 248 x 109	8.74 x 8.74 x 4.06	222 x 222 x 103	7.91 x 6.00	201 x 152	10.21 x 6.00	259 x 152	AW88__
1086-SDFQR	11.42 x 9.79 x 6.31	290 x 248 x 160	10.73 x 8.73 x 6.06	272 x 222 x 154	9.89 x 6.00	251 x 152	12.19 x 6.00	309 x 152	AW108__
12106-SDFQR	13.45 x 11.83 x 6.31	341 x 300 x 160	12.69 x 10.69 x 6.06	322 x 271 x 154	11.88 x 8.00	302 x 203	14.18 x 8.00	360 x 203	AW1210__
14126-SDFQR	15.49 x 13.86 x 6.34	393 x 352 x 161	14.72 x 12.72 x 6.06	374 x 323 x 154	13.91 x 10.00	353 x 254	16.21 x 10.00	412 x 254	AW1412__
14128-SDFQR	15.49 x 13.86 x 8.34	393 x 352 x 212	14.66 x 12.66 x 8.06	372 x 321 x 205	13.88 x 10.00	352 x 254	16.19 x 10.00	411 x 254	AW1412__
16148-SDFQR	17.58 x 15.96 x 8.34	446 x 405 x 212	16.69 x 14.69 x 8.06	424 x 373 x 205	15.96 x 12.00	405 x 205	18.26 x 12.00	464 x 305	AW1614__
181610-SDFQR	19.77 x 18.15 x 10.34	502 x 461 x 262	18.63 x 16.63 x 10.06	473 x 422 x 255	17.94 x 14.00	455 x 355	20.24 x 14.00	514 x 355	AW1816__
201610-SDFQR	21.79 x 18.16 x 10.34	553 x 461 x 262	20.63 x 16.63 x 10.06	524 x 422 x 255	19.96 x 14.00	507 x 355	22.26 x 14.00	565 x 355	AW2016__J

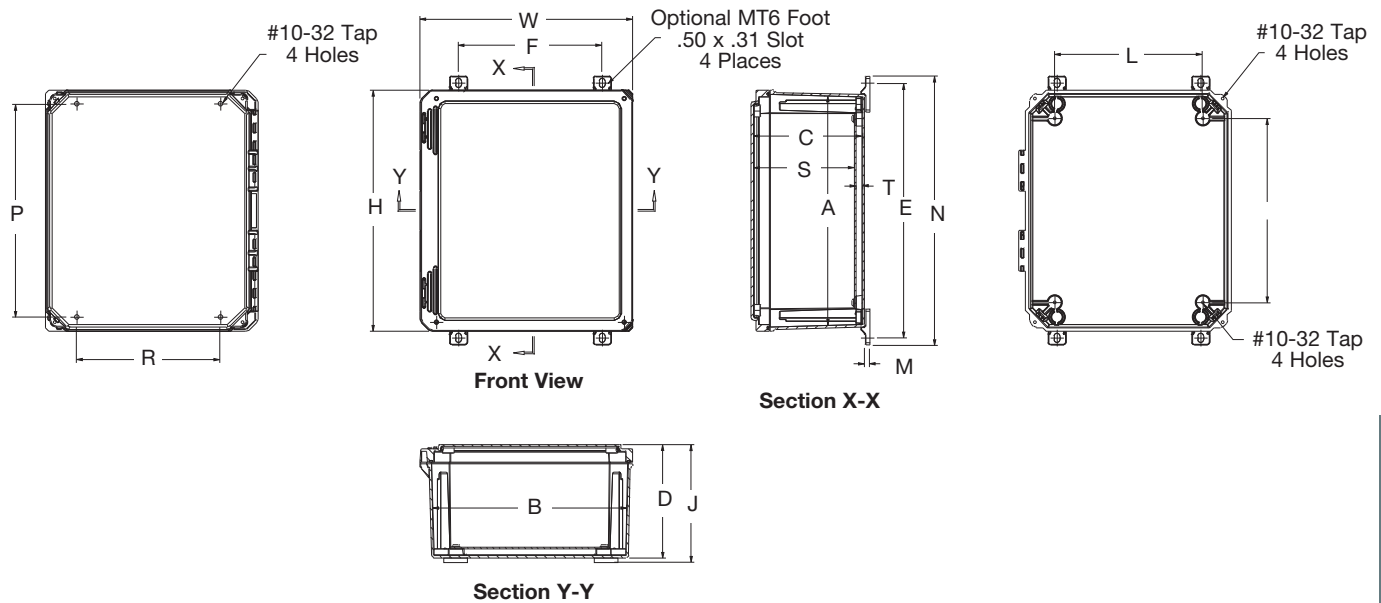
Enclosure Catalog #	Dimensions													
	K		L		S		T		N		J		M	
	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm
664-SDFQR	4.25	108	4.25	108	3.60	91	0.38	9.6	9.02	229	4.56	116	0.25	6.35
864-SDFQR	6.25	159	4.25	108	3.60	91	0.38	9.6	10.98	279	4.56	116	0.25	6.35
884-SDFQR	6.25	159	6.25	159	3.60	91	0.38	9.6	10.98	279	4.56	116	0.25	6.35
1086-SDFQR	8.25	210	6.25	159	5.60	142	0.38	9.6	12.96	329	6.56	167	0.25	6.35
12106-SDFQR	10.25	260	8.25	210	5.60	142	0.38	9.6	14.95	380	6.56	167	0.25	6.35
14126-SDFQR	12.25	311	10.25	260	5.60	142	0.38	9.6	16.98	431	6.59	167	0.25	6.35
14128-SDFQR	12.25	311	10.25	260	7.60	193	0.38	9.6	16.96	431	8.59	218	0.25	6.35
16148-SDFQR	14.25	362	12.25	311	7.60	193	0.38	9.6	19.04	483	8.59	218	0.25	6.35
181610-SDFQR	16.25	413	14.25	362	9.60	244	0.38	9.6	21.02	534	10.59	269	0.25	6.35
201610-SDFQR	18.25	463	14.25	362	9.59	244	0.38	9.6	23.04	585	10.59	269	0.25	6.35

Panel Finishes

Example: AW108__

Insert for __

P = Carbon Steel
SP = Stainless Steel
AP = Aluminum



Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Type 4X Fiberglass Enclosures

JIC Enclosures

Type 4X Premier™ Series Hinged Quick-Release Clear Cover

Data Sheet



Application

- Houses electrical and electronic controls and instruments
- Intended for indoor or outdoor use
- Ideally suited for harsh environments
- Protects against corrosion, windblown dust and rain, splashing water, and hose directed water

Standards

- UL/cUL 50 Listed, Type 1, Type 3, Type 3s, Type 4X, Type 12, Type 13
- Conforms to NEMA Standard for Type 1, Type 3, Type 3s, Type 4X, Type 12, Type 13
- CSA 22.2, Type 1, Type 3, Type 3s, Type 4X, Type 12, Type 13
- Temperature Range: -40°F to 250°F (-40°C to 120°C)
- Flammability Rating: UL94-5V
- Window Flammability Rating: UL94V-0
- Self Extinguishing: Non-halogenated, Non-flame propagating
- Chemical Resistance: (see chart, pages 458 - 461)
- NFPA No. 101 Flame Spread, Class A (1)

Finish

- Gray color

Accessories

- Back Panels (see page 290)
- Mounting Foot kits (see page 294)
- See accessories (pages 292 - 293)

Construction

- Enclosures are an impact resistant, non-conductive, light-weight hot compression molded fiberglass reinforced polyester
- Poured polyurethane seamless gasket provides watertight, dust-tight environmental seal
- Captive screws provide smooth surfaces
- 300 series stainless steel used on all external hardware
- Integral mounting bosses utilize threaded brass inserts accepting #10-32 screws for mounting optional panel
- Rounded edges reduce build-up of dust and debris
- Full 180° door opening
- Padlocking latches provide quick access and optional closure locking (padlock not included)
- Flush mounted scratch and abrasion resistant polycarbonate clear cover option provides internal component visibility

Discount Schedule: F2

Subclass: G00

Notes: Cooper B-Line can provide special modifications. Consult the factory for your special requirements.

Type 4X Fiberglass Enclosures

JIC Enclosures

Type 4X Premier™ Series Hinged Quick-Release Clear Cover

Illustration Sheet and Catalog Number

Enclosure Catalog #	Overall Dimensions H x W x D		Inside Dimensions A x B x C		Mtg. Dimension P x R		Optional Feet Mtg. E x F		Panel No.
	in.	mm	in.	mm	in.	mm	in.	mm	
664-SDFQRCC	7.41 x 7.79 x 4.31	188 x 198 x 109	6.77 x 6.77 x 4.06	172 x 172 x 103	5.93 x 4.00	150 x 101	8.24 x 4.00	209 x 101	AW66__
864-SDFQRCC	9.41 x 7.79 x 4.31	239 x 198 x 109	8.77 x 6.77 x 4.06	228 x 172 x 103	7.91 x 4.00	201 x 101	10.21 x 4.00	259 x 101	AW86__
884-SDFQRCC	9.39 x 9.76 x 4.31	238 x 248 x 109	8.74 x 8.74 x 4.06	222 x 222 x 103	7.91 x 6.00	201 x 152	10.21 x 6.00	259 x 152	AW88__
1086-SDFQRCC	11.42 x 9.79 x 6.31	290 x 248 x 160	10.73 x 8.73 x 6.06	272 x 222 x 154	9.89 x 6.00	251 x 152	12.19 x 6.00	309 x 152	AW108__
12106-SDFQRCC	13.45 x 11.83 x 6.31	341 x 300 x 160	12.69 x 10.69 x 6.06	322 x 271 x 154	11.88 x 8.00	302 x 203	14.18 x 8.00	360 x 203	AW1210__
14126-SDFQRCC	15.49 x 13.86 x 6.34	393 x 352 x 161	14.72 x 12.72 x 6.06	374 x 323 x 154	13.91 x 10.00	353 x 254	16.21 x 10.00	412 x 254	AW1412__
14128-SDFQRCC	15.49 x 13.86 x 8.34	393 x 352 x 212	14.66 x 12.66 x 8.06	372 x 321 x 205	13.88 x 10.00	352 x 254	16.19 x 10.00	411 x 254	AW1412__
16148-SDFQRCC	17.58 x 15.96 x 8.34	446 x 405 x 212	16.69 x 14.69 x 8.06	424 x 373 x 205	15.96 x 12.00	405 x 205	18.26 x 12.00	464 x 305	AW1614__

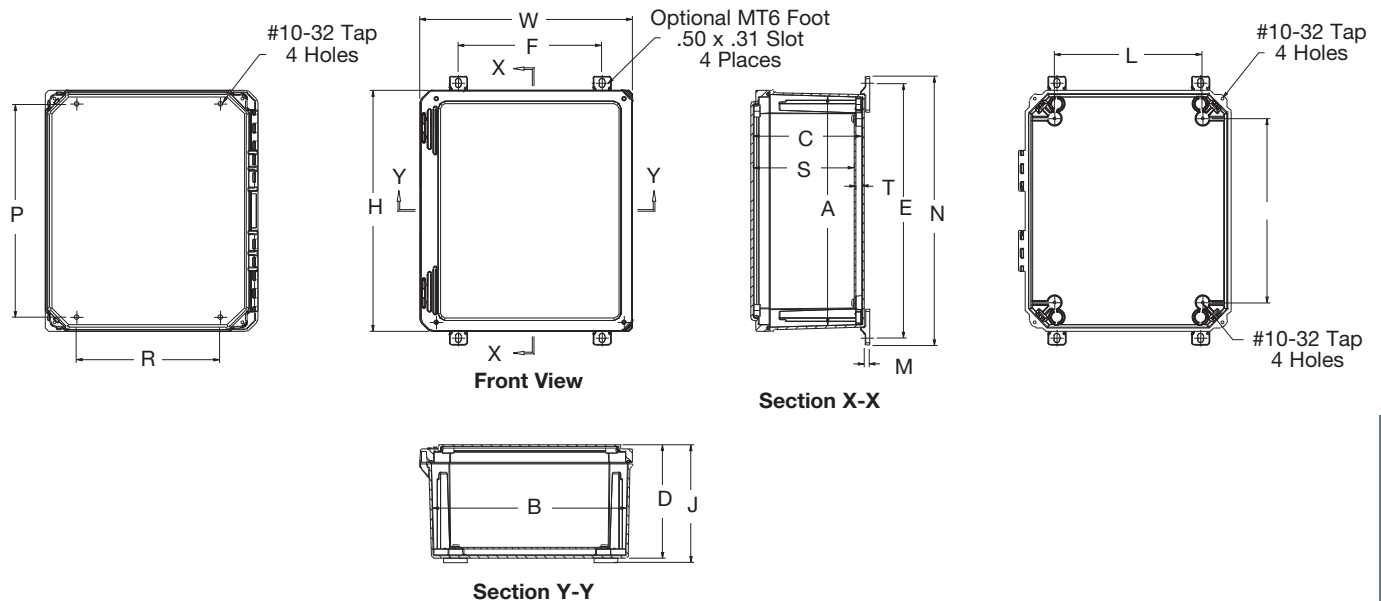
Enclosure Catalog #	Dimensions													
	K		L		S		T		N		J		M	
	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm
664-SDFQRCC	4.25	108	4.25	108	3.60	91	0.38	9.6	9.02	229	4.56	116	0.25	6.35
864-SDFQRCC	6.25	159	4.25	108	3.60	91	0.38	9.6	10.98	279	4.56	116	0.25	6.35
884-SDFQRCC	6.25	159	6.25	159	3.60	91	0.38	9.6	10.98	279	4.56	116	0.25	6.35
1086-SDFQRCC	8.25	210	6.25	159	5.60	142	0.38	9.6	12.96	329	6.56	167	0.25	6.35
12106-SDFQRCC	10.25	260	8.25	210	5.60	142	0.38	9.6	14.95	380	6.56	167	0.25	6.35
14126-SDFQRCC	12.25	311	10.25	260	5.60	142	0.38	9.6	16.98	431	6.59	167	0.25	6.35
14128-SDFQRCC	12.25	311	10.25	260	7.60	193	0.38	9.6	16.96	431	8.59	218	0.25	6.35
16148-SDFQRCC	14.25	362	12.25	311	7.60	193	0.38	9.6	19.04	483	8.59	218	0.25	6.35

Panel Finishes

Example: AW108__

Insert for __

P = Carbon Steel
SP = Stainless Steel
AP = Aluminum



Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Type 4X Fiberglass Enclosures

JIC Enclosures Type 4X Small Junction Data Sheet



Application

- Houses electrical and electronic controls and instruments
- Intended for indoor or outdoor use
- Ideally suited for harsh environments
- Protects against corrosion, windblown dust and rain, splashing water, hose directed water, and prolonged submersion

Standards

- UL/cUL 50 Listed, Type 1, Type 3R, Type 4X, Type 6P, Type 12
- Conforms to NEMA Standard for Type 1, Type 3R, Type 4X, Type 6P, Type 12
- CSA 22.2, Type 1, Type 3R, Type 4X, Type 6P, Type 12
- Temperature Range: -40°F to 250°F (-40°C to 120°C)
- Flammability Rating: UL94-5V
- Self Extinguishing: Non-flame propagating
- Chemical Resistance: (see chart, pages 458 - 461)

Finish

- Gray color

Accessories

- Mounting Foot kits (see page 294)
- See accessories (pages 292 - 293)

Construction

- Enclosures are an impact resistant, non-conductive, light-weight hot compression molded fiberglass reinforced polyester
- Poured polyurethane seamless gasket provides watertight, dust-tight environmental seal
- Recessed captive screws provide smooth surfaces
- 300 series stainless steel used on all external hardware
- Rounded edges reduce build-up of dust and debris

Discount Schedule: F2

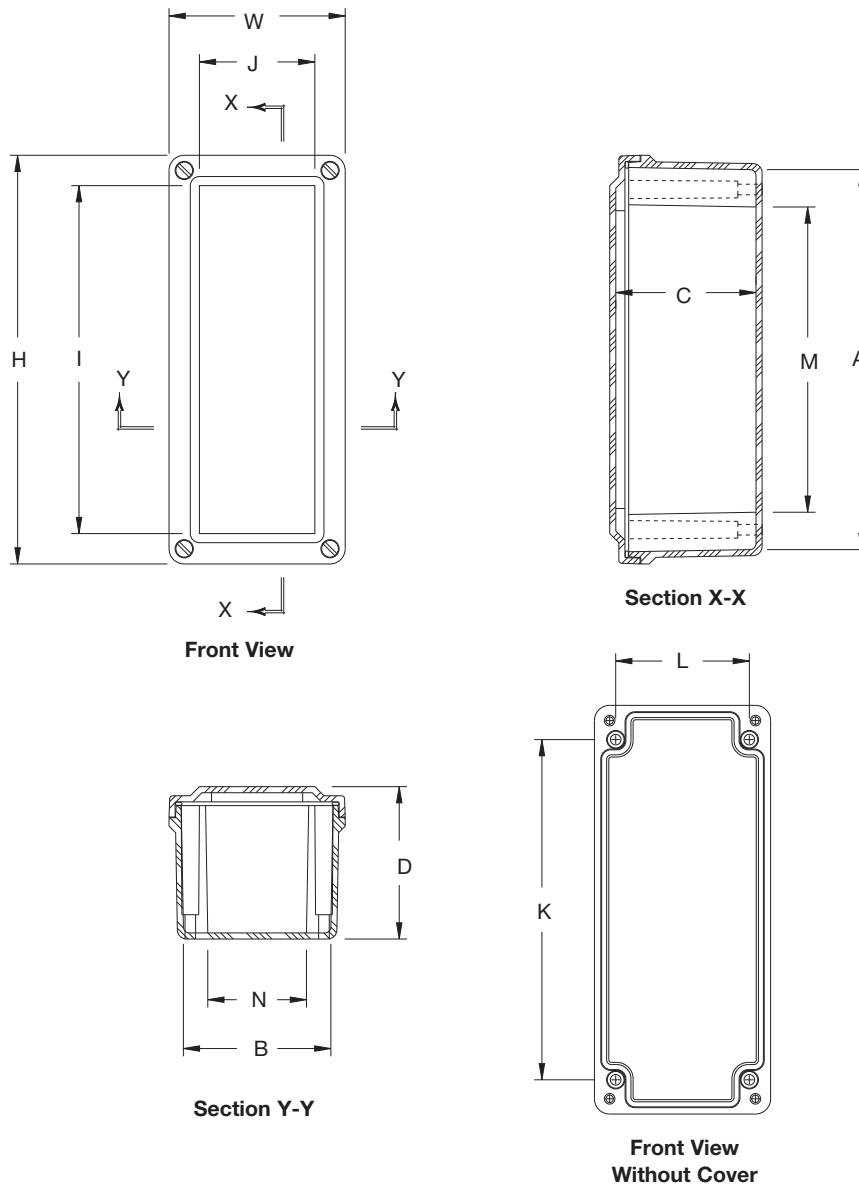
Subclass: G00

Notes: Cooper B-Line can provide special modifications. Consult the factory for your special requirements.

Type 4X Fiberglass Enclosures

JIC Enclosures Type 4X Small Junction Illustration Sheet and Catalog Number

Enclosure Catalog #	Overall Dimensions		Inside Dimensions		Dimensions											
	H x W x D		A x B x C		I		J		K		L		M		N	
	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm
332-4XFSC	3.72 x 3.63 x 2.95	95 x 92 x 75	3.13 x 3.03 x 2.70	79 x 77 x 69	3.22	82	2.12	54	2.31	59	2.75	70	1.59	40	2.03	52
532-4XFSC	5.97 x 3.63 x 3.14	152 x 92 x 80	5.38 x 3.03 x 2.87	137 x 77 x 73	5.72	120	2.38	61	4.56	116	2.75	70	3.84	98	2.03	52
644-4XFSC	6.63 x 3.81 x 3.89	168 x 97 x 99	6.00 x 3.19 x 3.63	153 x 81 x 92	5.31	135	2.50	64	4.88	124	2.94	75	4.13	105	2.19	56
832-4XFSC	8.41 x 3.63 x 3.14	214 x 92 x 80	7.82 x 3.03 x 2.87	199 x 77 x 73	7.16	182	2.38	60	7.00	178	2.75	70	6.28	160	2.03	52
844-4XFSC	8.41 x 3.63 x 3.14	225 x 97 x 99	8.26 x 3.19 x 3.63	210 x 81 x 92	7.56	192	2.50	64	7.13	181	2.94	75	6.38	162	2.19	56
932-4XFSC	9.35 x 3.63 x 3.14	237 x 92 x 80	8.75 x 3.03 x 2.87	222 x 77 x 73	8.10	206	2.38	60	7.94	202	2.75	70	7.22	183	2.03	52
1144-4XFSC	11.13 x 3.81 x 3.89	283 x 97 x 99	10.51 x 3.19 x 3.63	267 x 81 x 92	9.81	249	2.50	64	9.37	238	2.94	75	8.63	219	2.19	56
1432-4XFSC	13.78 x 3.63 x 3.14	350 x 92 x 80	13.19 x 3.03 x 2.87	335 x 77 x 73	12.53	318	2.38	60	12.37	314	2.75	70	11.66	296	2.03	52
1732-4XFSC	17.35 x 3.63 x 3.14	441 x 92 x 80	16.75 x 3.03 x 2.87	426 x 77 x 73	16.10	409	2.38	60	15.94	405	2.75	70	15.22	387	2.03	52



Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Type 4X Fiberglass Enclosures

JIC Enclosures Type 4X Small Junction Data Sheet



Application

- Houses electrical and electronic controls and instruments
- Intended for indoor or outdoor use
- Ideally suited for harsh environments
- Protects against corrosion, windblown dust and rain, splashing water, hose directed water, and prolonged submersion

Standards

- UL/cUL 50 Listed, Type 1, Type 3R, Type 4X, Type 6P, Type 12
- Conforms to NEMA Standard for Type 1, Type 3R, Type 4X, Type 6P, Type 12
- CSA 22.2, Type 1, Type 3R, Type 4X, Type 6P, Type 12
- Temperature Range: -40°F to 250°F (-40°C to 120°C)
- Flammability Rating: UL94-5V
- Self Extinguishing: Non-flame propagating
- Chemical Resistance: (see chart, pages 458 - 461)

Finish

- Gray color

Accessories

- Back Panels (see page 290)
- Mounting Foot kits (see page 294)
- See accessories (pages 292 - 293)

Construction

- Enclosures are an impact resistant, non-conductive, light-weight hot compression molded fiberglass reinforced polyester
- Poured polyurethane seamless gasket provides watertight, dust-tight environmental seal
- Captive screws provide smooth surfaces
- 300 series stainless steel used on all external hardware
- Integral mounting bosses utilize threaded brass inserts accepting #10-32 screws for mounting optional panel
- Rounded edges reduce build-up of dust and debris

Discount Schedule: F2

Subclass: G00

Notes: Cooper B-Line can provide special modifications. Consult the factory for your special requirements.

Type 4X Fiberglass Enclosures

JIC Enclosures Type 4X Small Junction Illustration Sheet and Catalog Number

Enclosure Catalog #	Overall Dimensions		Inside Dimensions		Dimensions								Panel No.
	H x W x D		A x B x C		E		F		J		K		
	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	
763-4XFSC	7.63 x 6.63 x 3.19	194 x 168 x 81	6.90 x 5.90 x 2.88	175x150x73	5.37	137	5.63	143	2.48	63	5.37	137	AW76__
963-4XFSC	9.87 x 6.63 x 3.19	251 x 168 x 81	9.15 x 5.90 x 2.88	232x150x73	7.62	194	5.63	143	2.48	63	7.62	194	AW96__

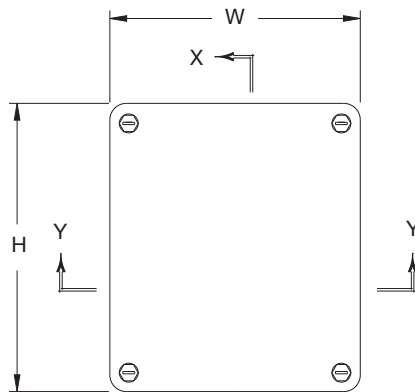
Enclosure Catalog #	Dimensions					
	L		M		N	
	in.	mm	in.	mm	in.	mm
763-4XFSC	4.25	108	4.52	115	4.90	124
963-4XFSC	4.25	108	6.77	172	4.90	124

Panel Finishes

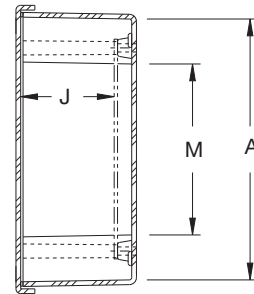
Example: AW108__

Insert for __

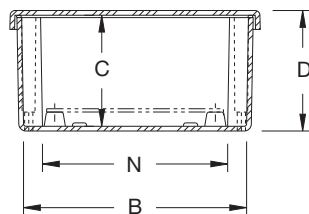
P = Carbon Steel
SP = Stainless Steel
AP = Aluminum



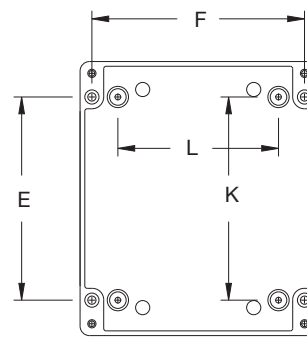
Front View



Section X-X



Section Y-Y



Front View Without Cover

Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Fiberglass Enclosures

Wall-Mount Enclosures Type 3R Continuous Hinge Cover Data Sheet



Application

- Houses electrical, electronic, instrument, and mechanical controls
- Intended for indoor or outdoor use
- Ideally suited for harsh environments
- Protects against corrosion, falling rain, sleet, and external ice formation

Standards

- **UL/cUL 50 Listed, Type 1, Type 3, Type 3R**
- Conforms to NEMA Standard for Type 1, Type 3, Type 3R
- CSA 22.2, Type 1, Type 3, Type 3R
- Temperature Range: -40°F to 250°F (-40°C to 120°C)
- Flammability Rating: UL94-5V
- Self Extinguishing: Non-flame propagating
- Chemical Resistance: (see chart, pages 458 - 461)

Finish

- Gray color

Accessories

- Back Panels (pages 290 - 291)
- See accessories (pages 292 - 293)

Construction

- Enclosures are an impact resistant, non-conductive, light-weight hot compression molded fiberglass reinforced polyester
- Poured polyurethane seamless gasket provides watertight, dust-tight environmental seal
- Rain shield to protect against incidental water ingress
- Twist lock latches provide ease of entry into enclosure
- 300 series stainless steel used on all external hardware
- Integral mounting feet molded in place for ease of mounting
- Integral mounting bosses utilize threaded brass inserts accepting #10-32 screws for mounting optional panel
- Rounded edges reduce build-up of dust and debris
- Full length stainless steel hinged cover
- Built in padlock hasp provide optional secure closure locking (padlock not included)

Discount Schedule: F2

Subclass: G00

Notes: Cooper B-Line can provide special modifications. Consult the factory for your special requirements.

Wall-Mount Enclosures Type 3R Continuous Hinge Cover Illustration Sheet and Catalog Number

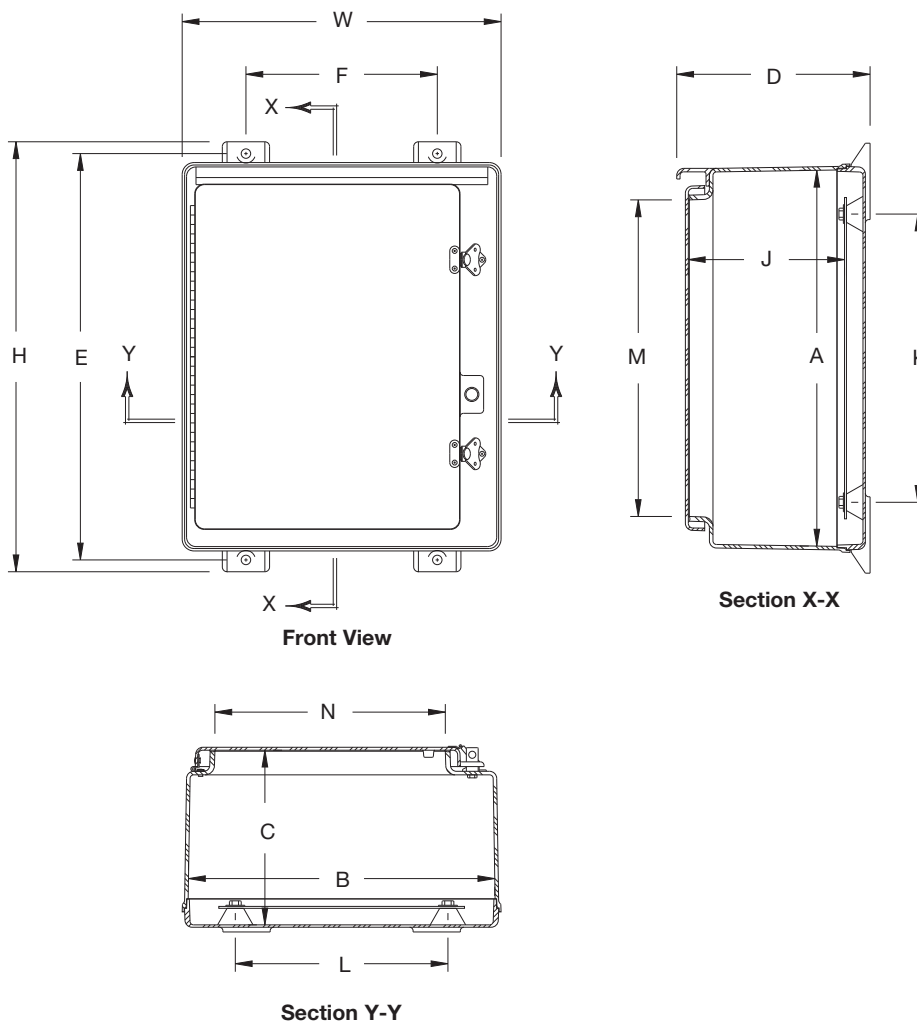
Enclosure Catalog #	Overall Dimensions		Inside Dimensions		Dimensions																Panel Number
	H x W x D		A x B x C		E		F		J		K		L		M		N				
	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm			
242410-RHCF	27.00 x 25.24 x 11.90	686 x 641 x 302	24.05 x 24.39 x 11.25	611 x 619 x 286	25.75	654	17.87	454	10.25	260	19.25	489	19.25	489	21.25	540	20.00	508	AWF2424__		
30208-RHCF	32.86 x 20.99 x 9.89	835 x 533 x 251	29.90 x 20.14 x 9.23	760 x 511 x 234	31.75	806	14.25	362	8.23	209	25.25	641	15.25	387	27.00	686	16.50	419	AWF3020__		
302010-RHCF	32.86 x 20.99 x 11.89	835 x 533 x 302	29.90 x 20.14 x 11.23	760 x 511 x 285	31.75	806	14.25	362	10.23	260	25.25	641	15.25	387	27.00	686	16.50	419	AWF3020__		
302410-RHCF	33.41 x 26.32 x 11.95	849 x 668 x 304	30.46 x 25.47 x 11.27	774 x 647 x 286	32.25	819	18.50	470	10.27	261	25.25	641	19.25	489	27.38	695	21.25	540	AWF3024__		
302412-RHCF	33.41 x 26.32 x 13.79	849 x 668 x 350	30.46 x 25.47 x 13.10	774 x 647 x 333	32.25	819	18.50	470	12.10	307	25.25	641	19.25	489	27.38	695	21.25	540	AWF3024__		
36308-RHCF	39.31 x 32.50 x 10.05	999 x 826 x 255	36.31 x 31.69 x 9.36	922 x 805 x 238	38.13	968	23.88	606	8.36	212	31.25	794	25.25	641	33.25	845	27.25	692	AWF3630__		
363010-RHCF	39.31 x 32.50 x 12.05	999 x 826 x 306	36.31 x 31.69 x 11.36	922 x 805 x 289	38.13	968	23.88	606	10.36	263	31.25	794	25.25	641	33.25	845	27.25	692	AWF3630__		
363012-RHCF	39.31 x 32.50 x 14.05	999 x 826 x 357	36.31 x 31.69 x 13.36	922 x 805 x 339	38.13	968	23.88	606	12.36	314	31.25	794	25.25	641	33.25	845	27.25	692	AWF3630__		
483612-RHCF	51.29 x 36.62 x 14.43	1303 x 930 x 367	48.33 x 36.22 x 13.25	1228 x 920 x 336	50.12	1273	29.25	743	12.25	311	43.25	1099	31.25	794	45.25	1149	32.00	813	AWF4836__		
483616-RHCF	51.29 x 36.62 x 18.43	1303 x 930 x 468	48.33 x 36.22 x 17.25	1228 x 920 x 438	50.12	1273	29.25	743	16.25	413	43.25	1099	31.25	794	45.25	1149	32.00	813	AWF4836__		

Panel Finishes

Example: AW108__

Insert for __

P = Carbon Steel
SP = Stainless Steel
AP = Aluminum



Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Type 4X Fiberglass Enclosures

Wall-Mount Enclosures Type 4X Single-Door Data Sheet



Application

- Houses electrical, electronic, instrument, and mechanical controls
- Intended for indoor or outdoor use
- Ideally suited for harsh environments
- Protects against corrosion, windblown dust and rain, splashing water, and hose directed water

Standards

- UL/cUL 50 Listed, Type 1, Type 3, Type 3R, Type 4X, Type 12
- Conforms to NEMA Standard for Type 1, Type 3, Type 3R, Type 4X, Type 12
- CSA 22.2, Type 1, Type 3, Type 3R, Type 4X, Type 12
- Temperature Range: -40°F to 250°F (-40°C to 120°C)
- Flammability Rating: UL94-5V
- Self Extinguishing: Non-flame propagating
- Chemical Resistance: (see chart, pages 458 - 461)

Finish

- Gray color

Accessories

- Back Panels (pages 290 - 291)
- See accessories (pages 292 - 293)

Construction

- Enclosures are an impact resistant, non-conductive, light-weight hot compression molded fiberglass reinforced polyester
- Poured polyurethane seamless gasket provides watertight, dust-tight environmental seal
- Twist lock latches provide ease of entry into enclosure
- 300 series stainless steel used on all external hardware
- Integral mounting feet molded in place for ease of mounting
- Integral mounting bosses utilize threaded brass inserts accepting #10-32 screws for mounting optional panel
- Rounded edges reduce build-up of dust and debris
- Full length stainless steel hinged cover
- Built in padlock hasp provide optional secure closure locking (padlock not included)

Discount Schedule: F2

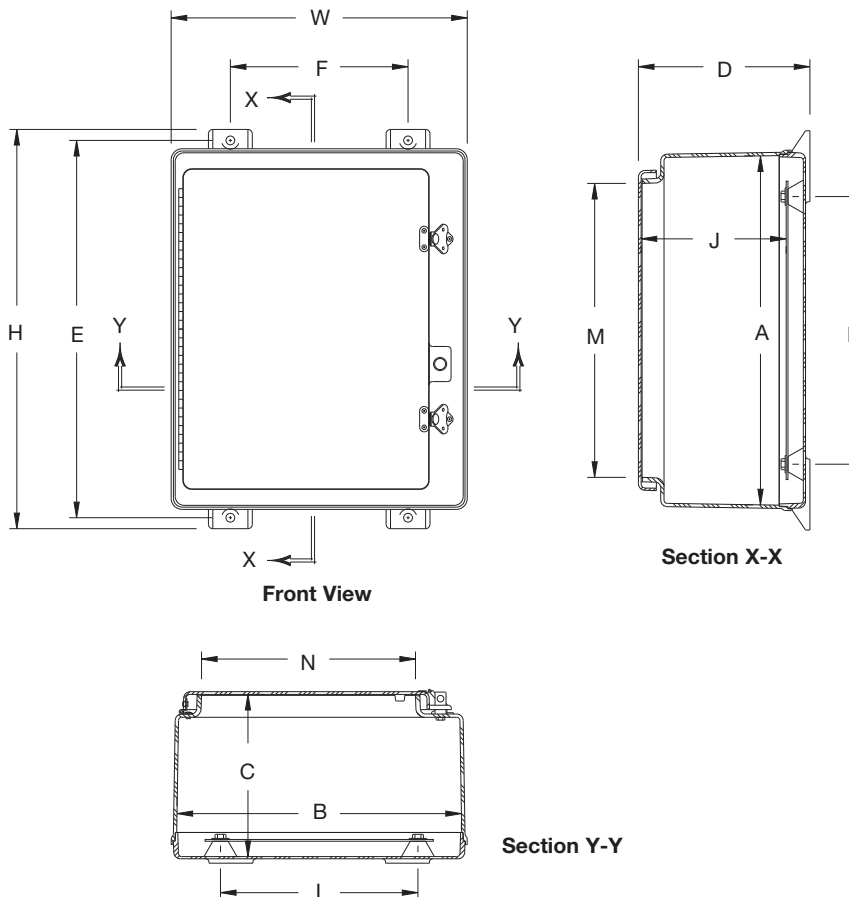
Subclass: G00

Notes: Cooper B-Line can provide special modifications. Consult the factory for your special requirements.

Type 4X Fiberglass Enclosures

Wall-Mount Enclosures Type 4X Single-Door Illustration Sheet and Catalog Number

Enclosure Catalog #	Overall Dimensions		Inside Dimensions		Dimensions												Panel Number		
	H x W x D		A x B x C		E		F		J		K		L		M			N	
	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm		in.	mm
201612-4XF	22.75 x 16.87 x 13.77	578 x 429 x 350	19.70 x 16.04 x 13.24	500 x 407 x 336	21.50	546	10.12	257	12.26	312	15.25	387	11.25	286	16.75	425	12.19	310	AW2016__
24126-4XF	26.95 x 13.72 x 7.98	685 x 348 x 203	24.00 x 12.87 x 7.33	610 x 327 x 186	25.75	654	6.25	159	6.33	161	19.25	489	7.25	184	21.00	533	8.37	213	AW2412__
241210-4XF	26.95 x 13.72 x 11.99	685 x 348 x 304	24.00 x 12.87 x 11.33	610 x 327 x 288	25.75	654	6.25	159	10.33	262	19.25	489	7.25	184	21.00	533	8.37	213	AW2412__
24208-4XF	27.00 x 21.24 x 9.90	686 x 539 x 252	24.05 x 20.39 x 9.25	611 x 518 x 235	25.75	654	14.00	356	8.25	209	19.25	489	15.25	387	21.25	540	16.00	406	AWF2420__
242410-4XF	27.00 x 25.24 x 11.90	686 x 641 x 302	24.05 x 24.39 x 11.25	611 x 619 x 286	25.75	654	17.87	454	10.25	260	19.25	489	19.25	489	21.25	540	20.00	508	AWF2424__
242412-4XF	27.00 x 25.24 x 13.90	686 x 641 x 353	24.05 x 24.39 x 13.25	611 x 619 x 336	25.75	654	17.87	454	12.25	311	19.25	489	19.25	489	21.25	540	20.00	508	AWF2424__
30206-4XF	32.86 x 20.99 x 7.89	835 x 533 x 200	29.90 x 20.14 x 7.23	760 x 511 x 184	31.75	806	14.25	362	6.23	158	25.25	641	15.25	387	27.00	686	16.50	419	AWF3020__
30208-4XF	32.86 x 20.99 x 9.89	835 x 533 x 251	29.90 x 20.14 x 9.23	760 x 511 x 234	31.75	806	14.25	362	8.23	209	25.25	641	15.25	387	27.00	686	16.50	419	AWF3020__
302010-4XF	32.86 x 20.99 x 11.89	835 x 533 x 302	29.90 x 20.14 x 11.23	760 x 511 x 285	31.75	806	14.25	362	10.23	260	25.25	641	15.25	387	27.00	686	16.50	419	AWF3020__
302012-4XF	32.86 x 20.99 x 13.89	835 x 533 x 353	29.90 x 20.14 x 13.23	760 x 511 x 336	31.75	806	14.25	362	12.23	311	25.25	641	15.25	387	27.00	686	16.50	419	AWF3020__
30248-4XF	33.41 x 26.32 x 8.81	849 x 668 x 224	30.46 x 25.47 x 8.12	774 x 647 x 206	32.25	819	18.50	470	7.12	181	25.25	641	19.25	489	27.38	695	21.25	540	AWF3024__
302410-4XF	33.41 x 26.32 x 11.95	849 x 668 x 304	30.46 x 25.47 x 11.27	774 x 647 x 286	32.25	819	18.50	470	10.27	261	25.25	641	19.25	489	27.38	695	21.25	540	AWF3024__
302412-4XF	33.41 x 26.32 x 13.79	849 x 668 x 350	30.46 x 25.47 x 13.10	774 x 647 x 333	32.25	819	18.50	470	12.10	307	25.25	641	19.25	489	27.38	695	21.25	540	AWF3024__
36308-4XF	39.31 x 32.50 x 10.05	999 x 826 x 255	36.31 x 31.69 x 9.36	922 x 805 x 238	38.13	968	23.88	606	8.36	212	31.25	794	25.25	641	33.25	845	27.25	692	AWF3630__
363010-4XF	39.31 x 32.50 x 12.05	999 x 826 x 306	36.31 x 31.69 x 11.36	922 x 805 x 289	38.13	968	23.88	606	10.36	263	31.25	794	25.25	641	33.25	845	27.25	692	AWF3630__
363012-4XF	39.31 x 32.50 x 14.05	999 x 826 x 357	36.31 x 31.69 x 13.36	922 x 805 x 339	38.13	968	23.88	606	12.36	314	31.25	794	25.25	641	33.25	845	27.25	692	AWF3630__
483612-4XF	51.29 x 36.62 x 13.79	1303 x 930 x 350	48.33 x 36.22 x 13.25	1228 x 920 x 336	50.12	1273	28.50	724	12.25	311	21.63	549	31.25	794	45.25	1149	32.00	813	AWF4836__
483616-4XF	51.29 x 36.62 x 17.79	1303 x 930 x 452	48.33 x 36.22 x 17.25	1228 x 920 x 438	50.12	1273	28.50	724	16.25	413	21.63	549	31.25	794	45.25	1149	32.00	813	AWF4836__
603612-4XF	64.00 x 36.50 x 14.12	1627 x 927 x 359	60.62 x 36.13 x 13.44	1540 x 918 x 341	62.75	1594	28.75	730	12.44	316	27.63	702	31.25	794	57.25	1454	32.00	813	AWF6036__
603616-4XF	64.00 x 36.50 x 18.12	1627 x 927 x 460	60.62 x 36.13 x 17.44	1540 x 918 x 442	62.75	1594	28.75	730	16.44	418	27.63	702	31.25	794	57.25	1454	32.00	813	AWF6036__



Panel Finishes

Example: AW108__

Insert for __

P = Carbon Steel
SP = Stainless Steel
AP = Aluminum

Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Type 4X Fiberglass Enclosures

Wall-Mount Enclosures Type 4X Double-Door Data Sheet



Application

- Houses electrical, electronic, instrument, and mechanical controls
- Intended for indoor or outdoor use
- Ideally suited for harsh environments
- Protects against corrosion, windblown dust and rain, splashing water, and hose directed water

Standards

- UL/cUL 50 Listed, Type 1, Type 3, Type 3R, Type 4X, Type 12
- Conforms to NEMA Standard for Type 1, Type 3, Type 3R, Type 4X, Type 12
- CSA 22.2, Type 1, Type 3, Type 3R, Type 4X, Type 12
- Temperature Range: -40°F to 250°F (-40°C to 120°C)
- Flammability Rating: UL94-5V
- Self Extinguishing: Non-flame propagating
- Chemical Resistance: (see chart, pages 458 - 461)

Finish

- Gray color

Accessories

- Back Panels (pages 290 - 291)
- See accessories (pages 292 - 293)

Construction

- Enclosures are an impact resistant, non-conductive, light-weight hot compression molded fiberglass reinforced polyester
- Poured polyurethane seamless gasket provides watertight, dust-tight environmental seal
- Twist lock latches provide ease of entry into enclosure
- 300 series stainless steel used on all external hardware
- Integral mounting feet molded in place for ease of mounting
- Integral mounting bosses utilize threaded brass inserts accepting #10-32 screws for mounting optional panel
- Rounded edges reduce build-up of dust and debris
- Full length stainless steel hinged cover
- Built in padlock hasp provide optional secure closure locking (padlock not included)

Discount Schedule: F2

Subclass: G00

Notes: Cooper B-Line can provide special modifications. Consult the factory for your special requirements.

Type 4X Fiberglass Enclosures

Wall-Mount Enclosures Type 4X Double-Door Illustration Sheet and Data Sheet

Enclosure Catalog #	Overall Dimensions		Inside Dimensions		Dimensions												Panel Number						
	H x W x D		A x B x C		E		F		J		K		L		M			N					
	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm		in.	mm				
364812-4XFD	39.50	48.50 x 13.62	1003	1232 x 346	36.12	48.12 x 13.00	917	1222 x 330	38.25	972	40.50	1029	11.94	303	14.50	368	20.00	508	32.00	813	20.75	527	*

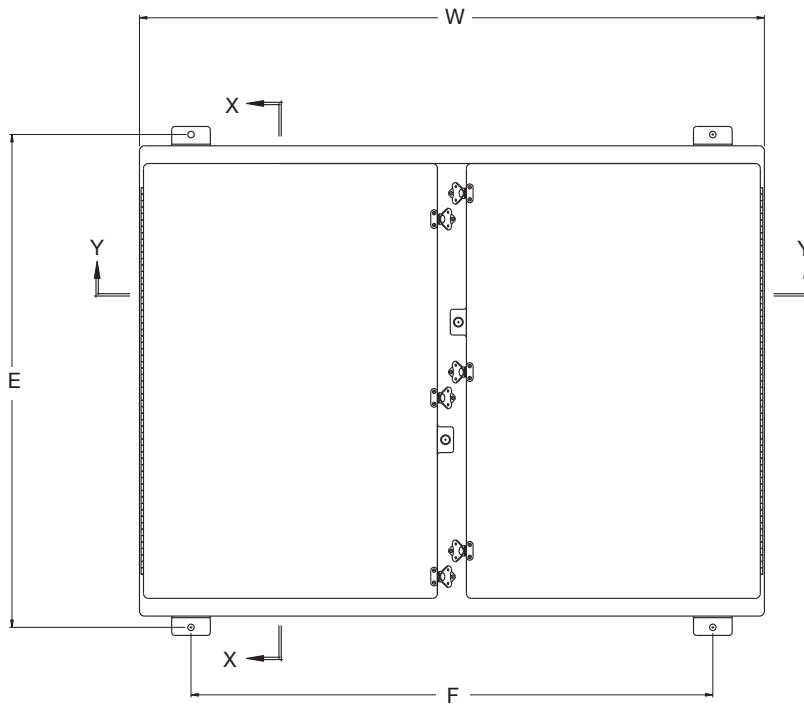
* When ordering steel, stainless steel, or aluminum panels (AWF3622 __), the part number includes only one (1) panel - two (2) may be required

Panel Finishes

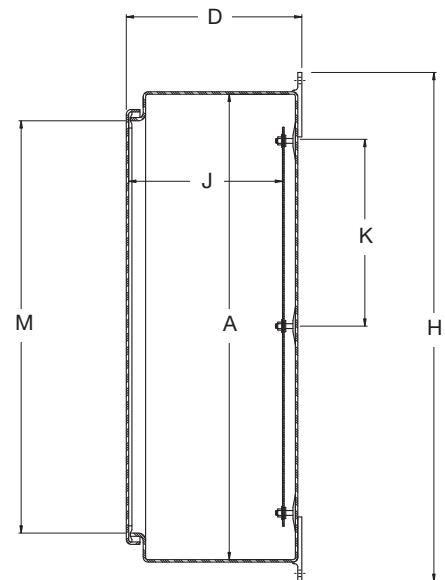
Example: AW108__

Insert for __

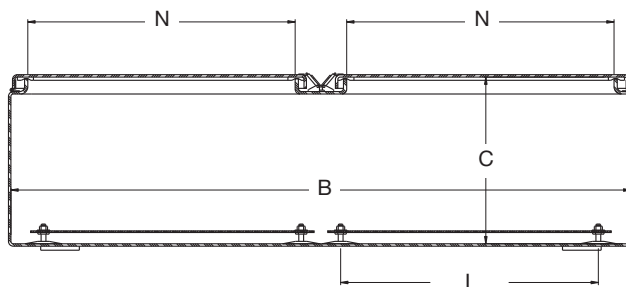
P = Carbon Steel
SP = Stainless Steel
AP = Aluminum



Front View



Section X-X



Section Y-Y

Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Type 4X Fiberglass Enclosures

Ground-Mount Enclosures Type 4X Free-Standing Single-Door Data Sheet



Application

- Houses electrical, electronic, instrument, and mechanical controls
- Intended for indoor or outdoor use
- Ideally suited for harsh environments
- Protects against corrosion, windblown dust and rain, splashing water, and hose directed water

Standards

- UL/cUL 50 Listed, Type 1, Type 3, Type 3R, Type 4X, Type 12
- Conforms to NEMA Standard for Type 1, Type 3, Type 3R, Type 4X, Type 12
- CSA 22.2, Type 1, Type 3, Type 3R, Type 4X, Type 12
- Temperature Range: -40°F to 250°F (040°C to 120°C)
- Flammability Rating: UL94-5V
- Self Extinguishing: Non-flame propagating
- Chemical Resistance: (see chart, pages 458 - 461)

Finish

- Gray color

Accessories

- Back Panels (pages 290 - 291)
- See accessories (pages 292 - 293)

Construction

- Enclosures are an impact resistant, non-conductive, light-weight hot compression molded fiberglass reinforced polyester
- Poured polyurethane seamless gasket provides watertight, dust-tight environmental seal
- Twist lock latches provide ease of entry into enclosure
- 300 series stainless steel used on all external hardware
- Integral mounting bosses utilize threaded brass inserts for mounting optional panel
- Rounded edges reduce build-up of dust and debris
- Full length stainless steel hinged cover
- Built in padlock hasp provide optional secure closure locking (padlock not included)

Discount Schedule: F2

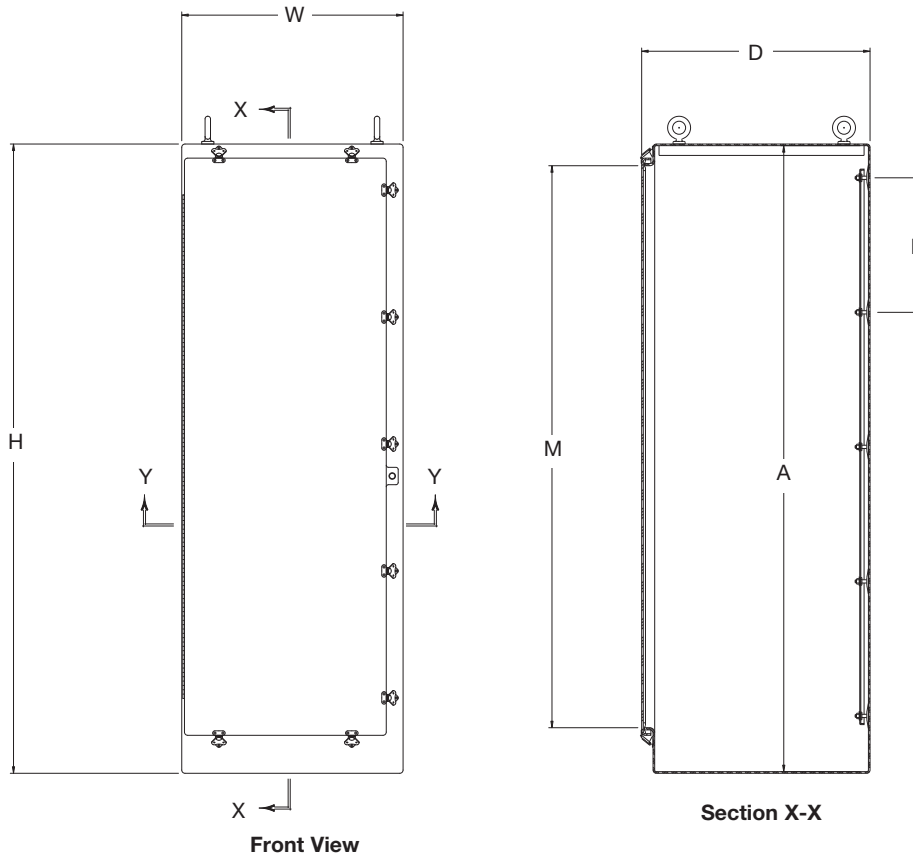
Subclass: G00

Notes: Cooper B-Line can provide special modifications. Consult the factory for your special requirements.

Type 4X Fiberglass Enclosures

Ground-Mount Enclosures Type 4X Free-Standing Single-Door Illustration Sheet and Catalog Number

Enclosure Catalog #	Overall Dimensions		Inside Dimensions		Dimensions										Panel Number
	H x W x D		A x B x C		J		K		L		Enclosure Opening				
	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	
723618-4XFFS	72.5 x 36.5 x 19.38	1841 x 927 x 492	72.0 x 36.0 x 18.88	1829 x 914 x 479	17.88	454	15.50	388	30.00	762	64.75	1645	32.00	813	AWF7236__
723624-4XFFS	72.5 x 36.5 x 25.38	1841 x 927 x 644	72.0 x 36.0 x 24.88	1829 x 914 x 631	23.88	606	15.50	388	30.00	762	64.75	1645	32.00	813	AWF7236__
903636-4XFFS	90.5 x 36.5 x 37.88	2299 x 927 x 949	90.0 x 36.0 x 37.38	2286 x 914 x 949	36.25	921	20.00	508	30.00	762	82.75	2102	32.00	813	AWF9036__



Panel Finishes

Example: AW108__

Insert for __

P = Carbon Steel
SP = Stainless Steel
AP = Aluminum

Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Type 4X Fiberglass Enclosures

Ground-Mount Enclosures Type 4X Free-Standing Double-Door Data Sheet



Application

- Houses electrical, electronic, instrument, and mechanical controls
- Intended for indoor or outdoor use
- Ideally suited for harsh environments
- Protects against corrosion, windblown dust and rain, splashing water, and hose directed water

Standards

- UL/cUL 50 Listed, Type 1, Type 3, Type 3R, Type 4X, Type 12
- Conforms to NEMA Standard for Type 1, Type 3, Type 3R, Type 4X, Type 12
- CSA 22.2, Type 1, Type 3, Type 3R, Type 4X, Type 12
- Temperature Range: -40°F to 250°F (040°C to 120°C)
- Flammability Rating: UL94-5V
- Self Extinguishing: Non-flame propagating
- Chemical Resistance: (see chart, pages 458 - 461)

Finish

- Gray color

Accessories

- Back Panels (pages 290 - 291)
- See accessories (pages 292 - 293)

Construction

- Enclosures are an impact resistant, non-conductive, light-weight hot compression molded fiberglass reinforced polyester
- Poured polyurethane seamless gasket provides watertight, dust-tight environmental seal
- Twist lock latches provide ease of entry into enclosure
- 300 series stainless steel used on all external hardware
- Integral mounting bosses utilize threaded brass inserts for mounting optional panel
- Rounded edges reduce build-up of dust and debris
- Full length stainless steel hinged cover
- Built in padlock hasp provide optional secure closure locking (padlock not included)

Discount Schedule: F2

Subclass: G00

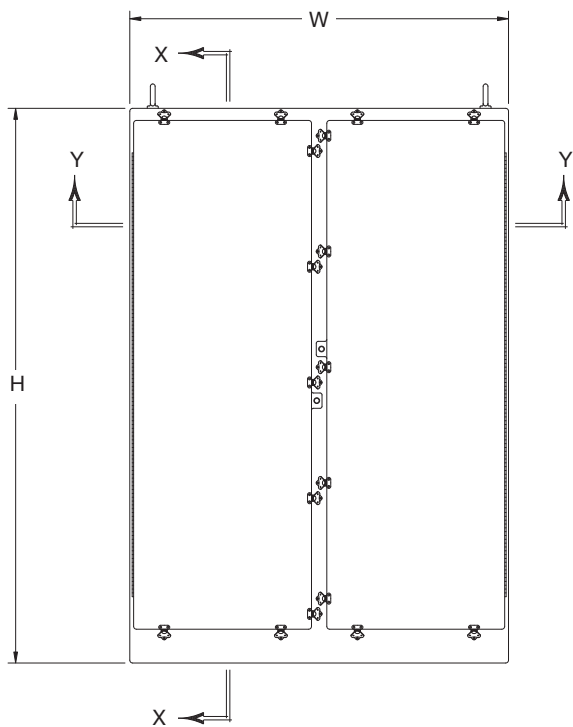
Notes: Cooper B-Line can provide special modifications. Consult the factory for your special requirements.

Type 4X Fiberglass Enclosures

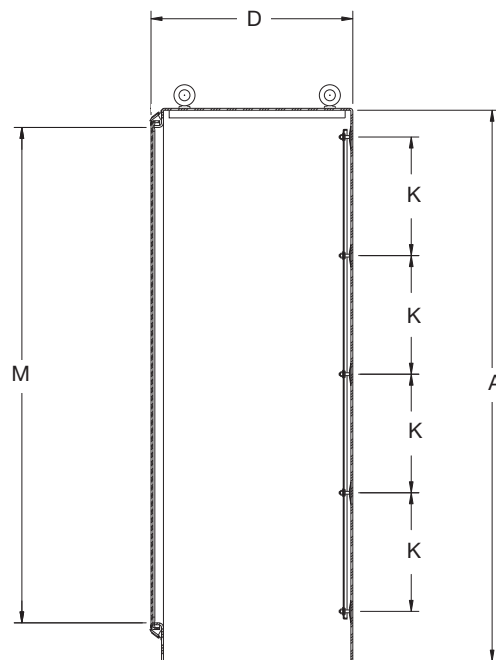
Ground-Mount Enclosures Type 4X Free-Standing Double-Door Illustration Sheet and Catalog Number

Enclosure Catalog #	Overall Dimensions		Inside Dimensions		Dimensions								Panel Number		
	H x W x D		A x B x C		J		K		L		Enclosure Opening				
	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm		in.	mm
724818-4XFFSD	72.5 x 58.5 x 19.38	1841 x 1232 x 492	72.0 x 48.0 x 18.88	1829 x 1219 x 476	17.88	454	15.50	388	19.50	495	64.75	1645	20.50	521	*AWF7221
727218-4XFFSD	72.5 x 72.5 x 19.38	1841 x 1842 x 492	72.0 x 72.0 x 18.88	1829 x 1829 x 479	17.88	454	15.50	388	31.50	800	64.75	1645	32.50	826	*AWF7233

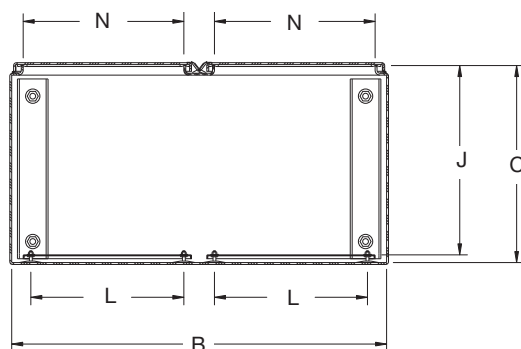
* When ordering panels, the part number includes only one (1) panel - two (2) are required



Front View



Section X-X



Section Y-Y

Panel Finishes

Example: AW108__

Insert for __

- P = Carbon Steel
- SP = Stainless Steel
- AP = Aluminum

Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Type 4X Fiberglass Enclosures

Pushbutton Enclosures Type 4X In-Line 30 mm Data Sheet



Application

- Designed to mount standard oil-tight pushbuttons, pilot lights, and switches
- Intended for indoor or outdoor use
- Ideally suited for harsh environments
- Protects against corrosion, windblown dust and rain, splashing water, hose directed water, and prolonged submersion

Standards

- UL/cUL 50 Listed, Type 1, Type 3, Type 4X, Type 6P, Type 12
- Conforms to NEMA Standard for Type 1, Type 3, Type 4X, Type 6P, Type 12
- CSA 22.2, Type 1, Type 3, Type 4X, Type 6P, Type 12
- Temperature Range: -40°F to 250°F (-40°C to 120°C)
- Flammability Rating: UL94-5V
- Self Extinguishing: Non-flame propagating
- Chemical Resistance: (see chart, pages 458 - 461)

Finish

- Gray color

Accessories

- See accessories (pages 292 - 293)

Construction

- Enclosures are an impact resistant, non-conductive, light-weight hot compression molded fiberglass reinforced polyester
- Poured polyurethane seamless gasket provides watertight, dust-tight environmental seal
- Recessed captive screws provide smooth surfaces
- Secure mounting of pushbutton in non-rotatable notched key hole
- 300 series stainless steel used on all external hardware
- Rounded edges reduce build-up of dust and debris
- Full metal grounding strap is provided

Discount Schedule: F2

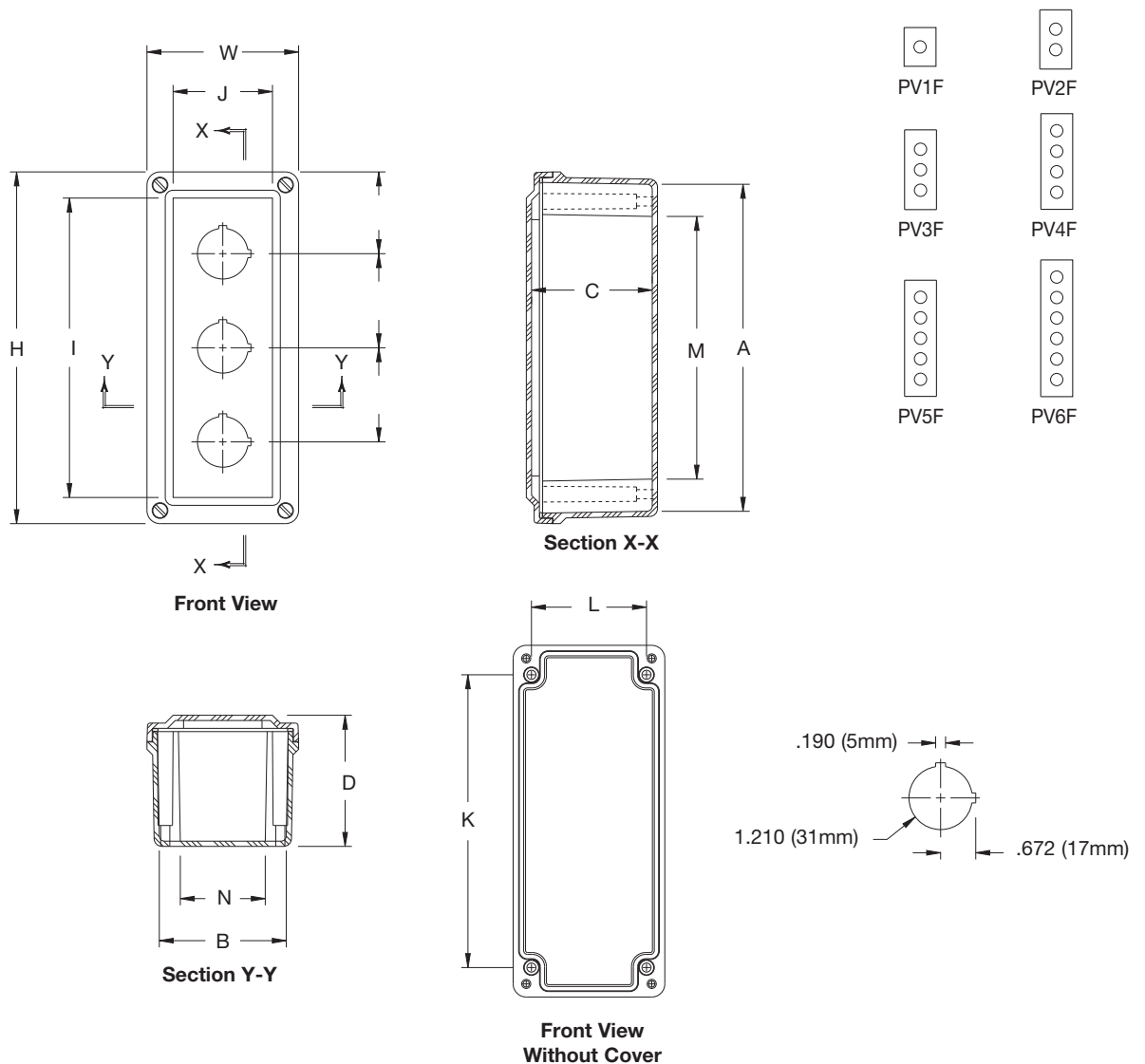
Subclass: G00

Notes: Cooper B-Line can provide special modifications. Consult the factory for your special requirements.

Type 4X Fiberglass Enclosures

Pushbutton Enclosures Type 4X In-Line 30 mm Illustration Sheet and Catalog Number

Enclosure Catalog #	Overall Dimensions		Inside Dimensions		Dimensions															
	H x W x D		A x B x C		I		J		K		L		M		N		O			
	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm		
PV1F	6.63 x 3.81 x 3.89	168 x 97 x 99	6.00 x 3.19 x 3.63	153 x 81 x 92	5.31	135	2.50	64	4.88	124	2.94	75	4.13	105	2.19	56	3.31	84		
PV2F	6.63 x 3.81 x 3.89	168 x 97 x 99	6.00 x 3.19 x 3.63	153 x 81 x 92	5.31	135	2.50	64	4.88	124	2.94	75	4.13	105	2.19	56	2.19	56		
PV3F	8.88 x 3.81 x 3.89	225 x 97 x 99	8.26 x 3.19 x 3.63	210 x 81 x 92	7.56	192	2.50	64	7.13	181	2.94	75	6.38	162	2.19	56	2.19	56		
PV4F	11.13 x 3.81 x 3.89	283 x 97 x 99	10.51 x 3.19 x 3.63	267 x 81 x 92	9.81	249	2.50	64	9.37	238	2.94	75	8.63	219	2.19	56	2.19	56		
PV5F	13.78 x 3.63 x 3.14	350 x 92 x 80	13.19 x 3.03 x 2.87	335 x 77 x 73	12.53	318	2.38	60	12.37	314	2.75	70	11.66	296	2.03	52	2.39	61		
PV6F	17.35 x 3.63 x 3.14	441 x 92 x 80	16.75 x 3.03 x 2.87	426 x 77 x 73	16.10	409	2.38	60	15.94	405	2.75	70	15.22	387	2.03	52	3.05	77		



Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Type 4X Fiberglass Enclosures

Pushbutton Enclosures Type 4X In-Line 22 mm Data Sheet



Application

- Designed to mount standard oil-tight pushbuttons, pilot lights, and switches
- Intended for indoor or outdoor use
- Ideally suited for harsh environments
- Protects against corrosion, windblown dust and rain, splashing water, hose directed water, and prolonged submersion

Standards

- UL/cUL 50 Listed, Type 1, Type 3, Type 4X, Type 6P, Type 12
- Conforms to NEMA Standard for Type 1, Type 3, Type 4X, Type 6P, Type 12
- CSA 22.2, Type 1, Type 3, Type 4X, Type 6P, Type 12
- Temperature Range: -40°F to 250°F (-40°C to 120°C)
- Flammability Rating: UL94-5V
- Self Extinguishing: Non-flame propagating
- Chemical Resistance: (see chart, pages 458 - 461)

Finish

- Gray color

Accessories

- See accessories (page 292 - 293)

Construction

- Enclosures are an impact resistant, non-conductive, light-weight hot compression molded fiberglass reinforced polyester
- Poured polyurethane seamless gasket provides watertight, dust-tight environmental seal
- Recessed captive screws provide smooth surfaces
- Secure mounting of pushbutton in non-rotatable notched key hole
- 300 series stainless steel used on all external hardware
- Rounded edges reduce build-up of dust and debris
- Full metal grounding strap is provided

Discount Schedule: F2

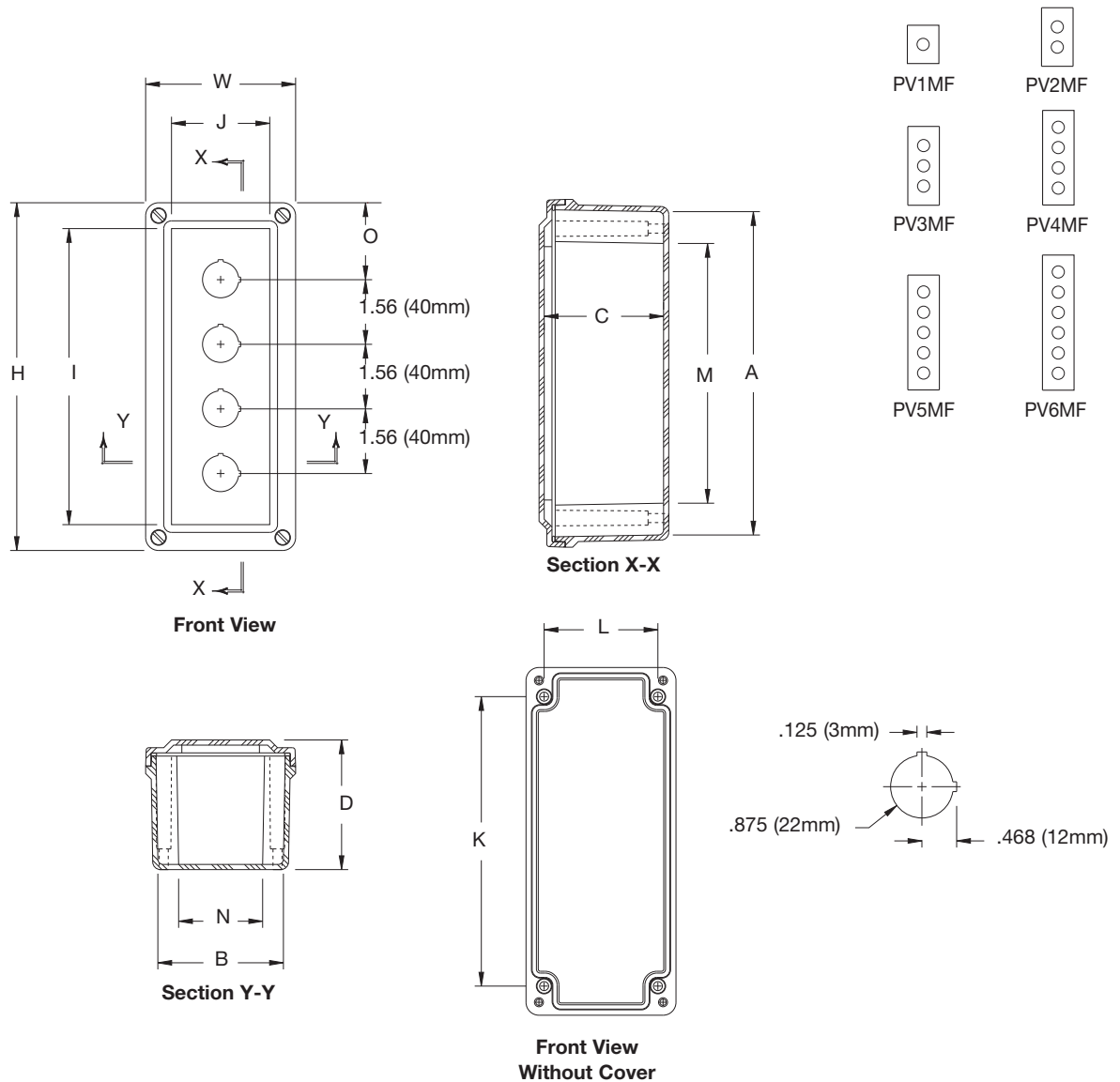
Subclass: G00

Notes: Cooper B-Line can provide special modifications. Consult the factory for your special requirements.

Type 4X Fiberglass Enclosures

Pushbutton Enclosures Type 4X In-Line 22 mm Illustration Sheet and Catalog Number

Enclosure Catalog #	Overall Dimensions		Inside Dimensions		Dimensions													
	H x W x D		A x B x C		I		J		K		L		M		N		O	
	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm
PV1MF	6.63 x 3.81 x 3.89	168 x 97 x 99	6.00 x 3.19 x 3.63	153 x 81 x 92	5.31	135	2.50	64	4.88	124	2.94	75	4.13	105	2.19	56	3.31	84
PV2MF	6.63 x 3.81 x 3.89	168 x 97 x 99	6.00 x 3.19 x 3.63	153 x 81 x 92	5.31	135	2.50	64	4.88	124	2.94	75	4.13	105	2.19	56	2.19	56
PV3MF	6.63 x 3.81 x 3.89	225 x 97 x 99	6.00 x 3.19 x 3.63	153 x 81 x 92	5.31	135	2.50	64	4.88	124	2.94	75	4.13	105	2.19	56	1.75	44
PV4MF	8.88 x 3.81 x 3.89	225 x 97 x 99	8.26 x 3.19 x 3.63	210 x 81 x 92	7.56	192	2.50	64	7.13	181	2.94	75	6.38	162	2.19	56	2.09	53
PV5MF	11.13 x 3.81 x 3.89	283 x 97 x 99	10.51 x 3.19 x 3.63	267 x 81 x 92	9.81	249	2.50	64	9.37	238	2.94	75	8.63	219	2.19	56	2.44	62
PV6MF	11.13 x 3.81 x 3.89	283 x 97 x 99	10.51 x 3.19 x 3.63	267 x 81 x 92	9.81	249	2.50	64	9.37	238	2.94	75	8.63	219	2.19	56	1.66	42



Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Type 4X Fiberglass Enclosures

Pushbutton Enclosures Type 4X Multi-Hole 30 mm Data Sheet



Application

- Designed to mount standard oil-tight pushbuttons, pilot lights, and switches
- Intended for indoor or outdoor use
- Ideally suited for harsh environments
- Protects against corrosion, windblown dust and rain, splashing water, hose directed water, and prolonged submersion

Standards

- UL/cUL 50 Listed, Type 1, Type 3, Type 4X, Type 6P, Type 12
- Conforms to NEMA Standard for Type 1, Type 3, Type 4X, Type 6P, Type 12
- CSA 22.2, Type 1, Type 3, Type 4X, Type 6P, Type 12
- Temperature Range: -40°F to 250°F (-40°C to 120°C)
- Flammability Rating: UL94-5V
- Self Extinguishing: Non-flame propagating
- Chemical Resistance: (see chart, pages 458 - 461)

Finish

- Gray color

Accessories

- Back Panels (page 290)
- See accessories (pages 292 - 293)

Construction

- Enclosures are an impact resistant, non-conductive, light-weight hot compression molded fiberglass reinforced polyester
- Poured polyurethane seamless gasket provides watertight, dust-tight environmental seal
- Captive screws provide smooth surfaces
- Secure mounting of pushbutton in non-rotatable notched key hole
- 300 series stainless steel used on all external hardware
- Integral flange molded in place for ease of mounting
- Integral mounting bosses utilize threaded brass inserts accepting #10-32 screws for mounting optional panel
- Rounded edges reduce build-up of dust and debris
- Full metal grounding strap is provided
- Stainless steel beaded chain for securing cover after lift off

Discount Schedule: F2

Subclass: G00

Notes: Cooper B-Line can provide special modifications. Consult the factory for your special requirements.

Type 4X Fiberglass Enclosures

Pushbutton Enclosures Type 4X Multi-Hole 30 mm Illustration Sheet and Catalog Number

Enclosure Catalog #	Overall Dimensions H x W x D		Inside Dimensions A x B x C		E		F		Hole Dia.		Panel No.
	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	
PB4F	7.50 x 7.50 x 4.75	191 x 191 x 121	5.72 x 5.72 x 4.45	145 x 145 x 113	6.75	171	4.00	101	0.31	8	AW66__
PB6F	9.62 x 7.50 x 4.74	244 x 191 x 121	7.73 x 5.74 x 4.45	196 x 146 x 113	8.88	225	4.00	101	0.31	8	AW86__
PB9F	11.62 x 9.41 x 4.25	295 x 239 x 108	9.73 x 7.73 x 3.98	247 x 196 x 101	10.75	273	6.00	152	0.31	8	AW108__

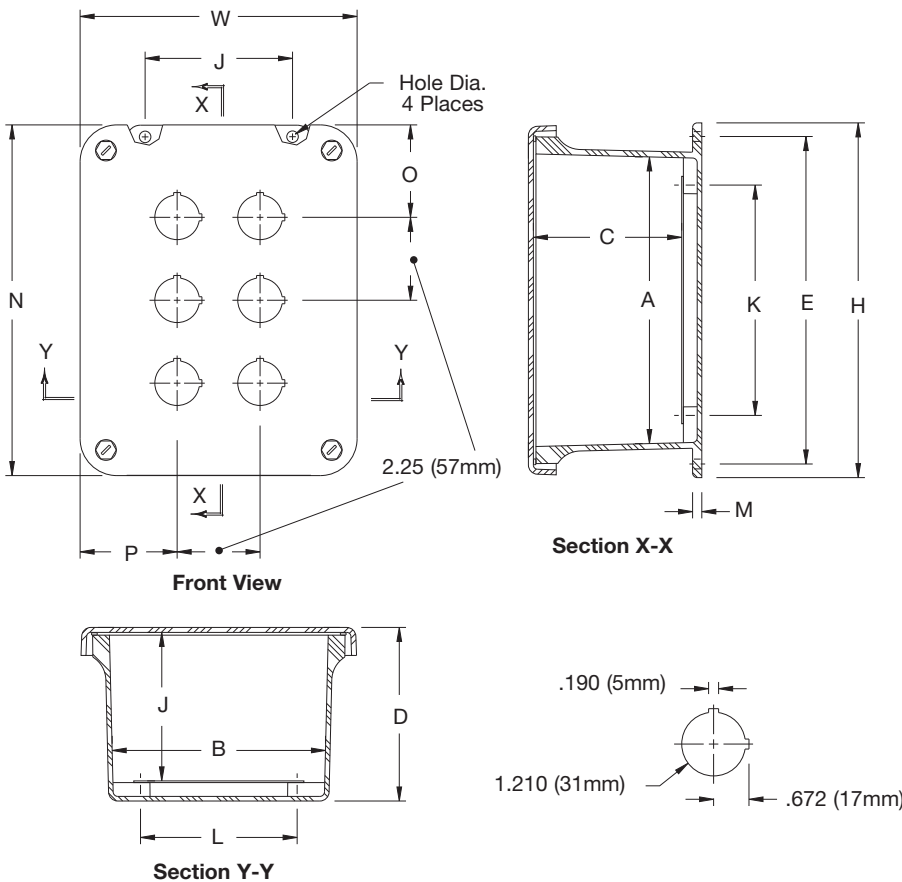
Enclosure Catalog #	Dimensions													
	J		K		L		M		N		O		P	
	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm
PB4F	4.00	101	4.25	108	4.25	108	0.25	6	7.52	191	2.64	67	2.64	67
PB6F	4.00	101	6.25	159	4.25	108	0.25	6	9.50	242	2.64	67	2.51	64
PB9F	3.50	89	8.25	209	6.25	159	0.25	6	11.35	288	3.43	87	2.45	62

Panel Finishes

Example: AW108__

Insert for __

P = Carbon Steel
SP = Stainless Steel
AP = Aluminum



Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Type 4X Fiberglass Enclosures

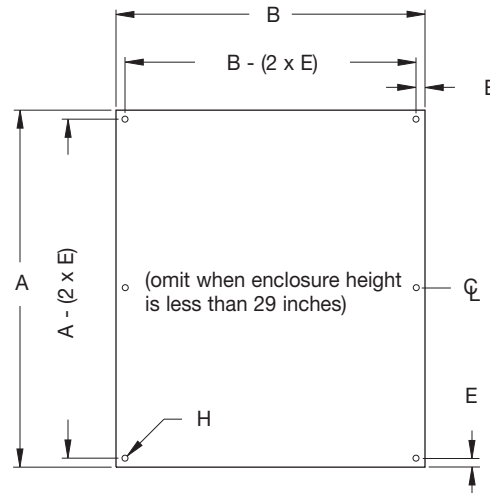
Fiberglass Accessories

Illustration Sheet and Catalog Number

Discount Schedule: F2

Subclass: G00

Back Panels



Flat Panel for Fiberglass Enclosures			A		B		E		Hole Dia.		Gauge	Fits Enclosure (Nominal) Height x Width	
Steel	Painted Stainless	Aluminum	in.	mm	in.	mm	in.	mm	in.	mm		in.	mm
AW64P	AW64SP	AW64AP	4.87	124	2.87	73	0.31	8	0.25	6	14	6.00 x 4.00	152 x 102
AW66P	AW66SP	AW66AP	4.87	124	4.87	124	0.31	8	0.25	6	14	6.00 x 6.00	152 x 152
AW76P	AW76SP	AW76AP	6.00	152	4.87	124	0.31	8	0.25	6	14	7.00 x 6.00	178 x 152
AW86P	AW86SP	AW86AP	6.87	174	4.87	124	0.31	8	0.25	6	14	8.00 x 6.00	203 x 152
AW88P	AW88SP	AW88AP	6.87	174	6.87	174	0.31	8	0.25	6	14	8.00 x 8.00	203 x 203
AW96P	AW96SP	AW96AP	8.25	209	4.87	124	0.31	8	0.25	6	14	9.00 x 6.00	228 x 152
AW108P	AW108SP	AW108AP	8.87	225	6.87	174	0.31	8	0.25	6	14	10.00 x 8.00	254 x 203
AW1210P	AW1210SP	AW1210AP	10.87	276	8.87	225	0.31	8	0.25	6	14	12.00 x 10.00	305 x 254
AW1212P	AW1212SP	AW1212AP	10.87	276	10.87	276	0.31	8	0.25	6	14	12.00 x 12.00	305 x 305
AW147P	AW147SP	AW147AP	12.87	327	5.87	149	0.31	8	0.25	6	14	14.00 x 7.00	356 x 178
AW1412P	AW1412SP	AW1412AP	12.87	327	10.87	276	0.31	8	0.25	6	14	14.00 x 12.00	356 x 305
AW1614P	AW1614SP	AW1614AP	14.87	378	12.87	327	0.31	8	0.25	6	14	16.00 x 14.00	406 x 356
AW1816P	AW1816SP	AW1816AP	16.88	429	14.88	378	0.31	8	0.25	6	14	18.00 x 16.00	457 x 406
AW2016PJ	AW2016SPJ	AW2016APJ	18.88	479	14.88	378	0.31	8	0.25	6	14	20.00 x 16.00	508 x 406
AW2016P	AW2016SP	AW2016AP	17.00	432	13.00	330	0.88	22	0.56	14	12	20.00 x 16.00	508 x 406
AW2412P	AW2412SP	AW2412AP	21.00	533	9.00	229	0.88	22	0.56	14	12	24.00 x 12.00	610 x 305
AWF2420P	AWF2420SP	AWF2420AP	21.00	533	17.00	432	0.88	22	0.56	14	12	24.00 x 20.00	610 x 508
AWF2424P	AWF2424SP	AWF2424AP	21.00	533	21.00	533	0.88	22	0.56	14	12	24.00 x 24.00	610 x 610
AWF3020P	AWF3020SP	AWF3020AP	27.00	686	17.00	432	0.88	22	0.56	14	12	30.00 x 20.00	762 x 508
AWF3024P	AWF3024SP	AWF3024AP	27.00	686	21.00	533	0.88	22	0.56	14	12	30.00 x 24.00	762 x 610
AWF3622P	AWF3622SP	AWF3622AP	31.00	787	22.00	559	1.00	25	0.56	14	12	36.00 x 48.00	914 x 1219
AWF3630P	AWF3630SP	AWF3630AP	33.00	838	27.00	686	0.88	22	0.56	14	12	36.00 x 30.00	914 x 762

Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

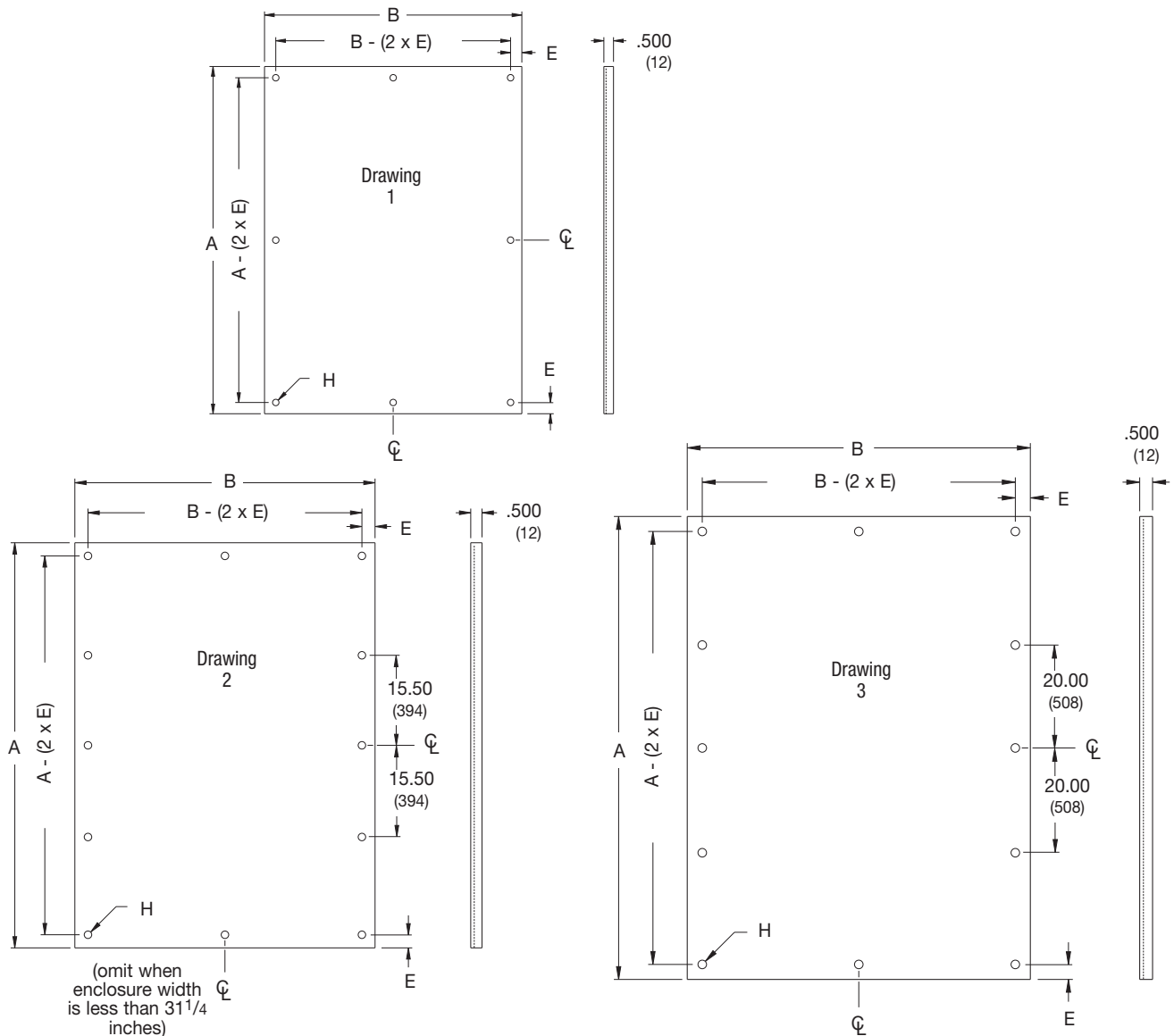
Type 4X Fiberglass Enclosures

Fiberglass Accessories Illustration Sheet and Catalog Number

Discount Schedule: F2
Subclass: G00

Back Panels

Flanged Panel for Fiberglass Enclosures			A		B		E		Hole Dia.		Gauge	Fits Enclosure (Nominal) Height x Width		See Drawing
Steel	Painted Stainless	Aluminum	in.	mm	in.	mm	in.	mm	in.	mm		in.	mm	
AWF4836P	AWF4836SP	AWF4836AP	45.00	1143	33.00	838	0.88	22	0.56	14	12	48.00 x 36.00	1219 x 914	1
AWF6036P	AWF6036SP	AWF6036AP	57.00	1448	33.00	838	0.88	22	0.56	14	12	60.00 x 36.00	1524 x 914	
AWF7221P	AWF7221SP	AWF7221AP	64.00	1625	21.50	546	1.00	25	0.56	14	12	72.00 x 48.00	1829 x 1219	2
AWF7224P	AWF7224SP	AWF7224AP	64.00	1625	20.00	508	1.00	25	0.56	14	12	72.00 x 24.00	1829 x 609	
AWF7233P	AWF7233SP	AWF7233AP	64.00	1625	33.50	851	1.00	25	0.56	14	12	72.00 x 72.00	1829 x 1829	
AWF7236P	AWF7236SP	AWF7236AP	64.00	1625	32.00	813	1.00	25	0.56	14	12	72.00 x 36.00	1829 x 914	
--	--	--	64.00	1625	21.50	546	1.00	25	0.56	14	12	72.00 x 48.00	1829 x 1219	
--	--	--	64.00	1625	33.50	851	1.00	25	0.56	14	12	72.00 x 72.00	1829 x 1329	3
AWF9036P	AWF9036SP	AWF9036AP	82.00	2083	32.00	813	1.00	25	0.56	14	12	90.00 x 36.00	2286 x 914	



Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Type 4X Fiberglass Enclosures

Fiberglass Accessories

Illustration Sheet and Catalog Number

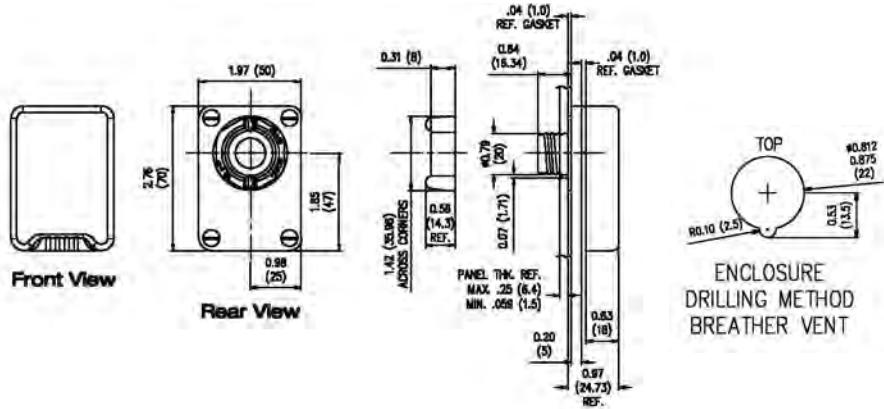
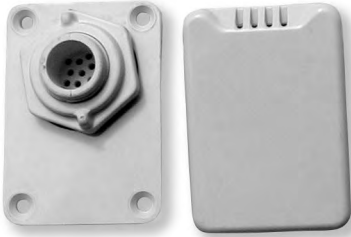
Discount Schedule: F2

Subclass: G00

Breather Vent

Enclosure Catalog #

BV4X

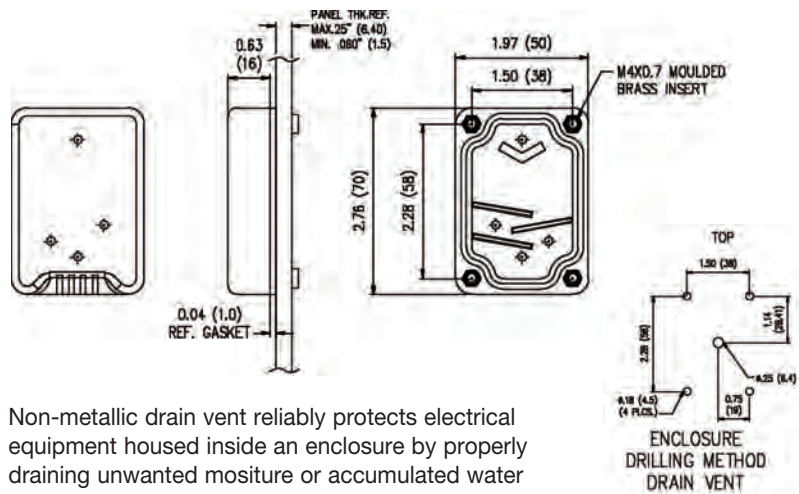


Non-metallic breather vent allows an enclosure to breathe, allowing the free passage of air while maintaining UL Type 4X enclosure integrity as a recognized component.

Drain Vent

Enclosure Catalog #

DV4X



Non-metallic drain vent reliably protects electrical equipment housed inside an enclosure by properly draining unwanted moisture or accumulated water from within, while maintaining UL Type 4X enclosure integrity as a recognized component.

Drain & Vent

Enclosure Catalog #

DV



Vapor Capsule

Enclosure Catalog #

BLVC



Vapor capsules contain a unique phase inhibitor designed to protect metallic surfaces within an enclosure against airborne corrosion. Simply place these self-contained capsules inside an enclosure, the vapors readily permeate every point, passivating all metallic surfaces. When the capsule is removed from its sealed package, it begins to emit an invisible, no-toxic vapor which is diffused throughout the surrounding atmosphere until the air is saturated. The vapor then passivates the metal surface against atmospheric corrosion by reducing the electro-chemical activity of the metal surfaces.

Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Type 4X Fiberglass Enclosures

Fiberglass Accessories

Illustration Sheet and Catalog Number

Discount Schedule: F2

Subclass: G00

Oil-Tight Hole Seals



Protects knockout openings and extra pushbutton or conduit openings from dirt, oil, dust and water. Each hole seal has oil-resistant gasketing and lock nut.

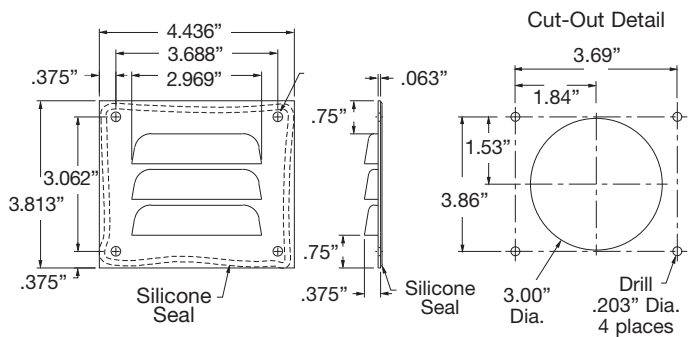
Enclosure Catalog #	Application	Max. Hole		Hole Seal	
		in.	mm	in.	mm
SPBGFG	Minature oil-tight bushbutton holes	0.88	22	1.22	31
SPBFG	Standard oil-tight bushbutton holes	1.25	32	1.75	44
S050FG	1/2" conduit holes	0.88	22	1.38	35
S075FG	3/4" conduit holes	1.06	27	1.56	40
S100FG	1" conduit holes	1.38	35	1.88	48
S125FG	1 1/4" conduit holes	1.69	43	2.19	56
S150FG	1 1/2" conduit holes	2.00	51	2.50	64
S200FG	2" conduit holes	2.50	64	3.00	76
S250FG	2 1/2" conduit holes	3.00	76	3.50	89
S300FG	3" conduit holes	3.62	92	4.12	105
S350FG	3 1/2" conduit holes	4.12	105	4.62	117
S400FG	4" conduit holes	4.62	117	5.12	130

Louver Plate Vent

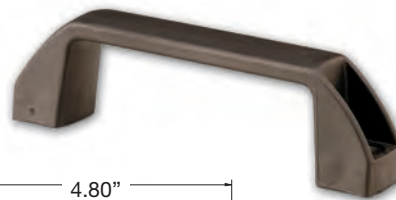
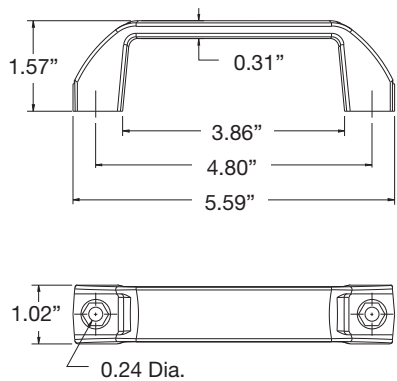


Enclosure Catalog #

LPKF



Carrying Handle



Enclosure Catalog #

CARRY HANDLE



Encapsulated Screws



ENCAP2K

Enclosure Catalog #

ENCAP2K

ENCAP4K



ENCAP4K

Stainless Steel Screws



SS2PK

Enclosure Catalog #

Description

SS2PK

Set of 2

SS4PK

Set of 4



SS4PK

Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Type 4X Fiberglass Enclosures

Fiberglass Accessories

Illustration Sheet and Catalog Number

Discount Schedule: F2

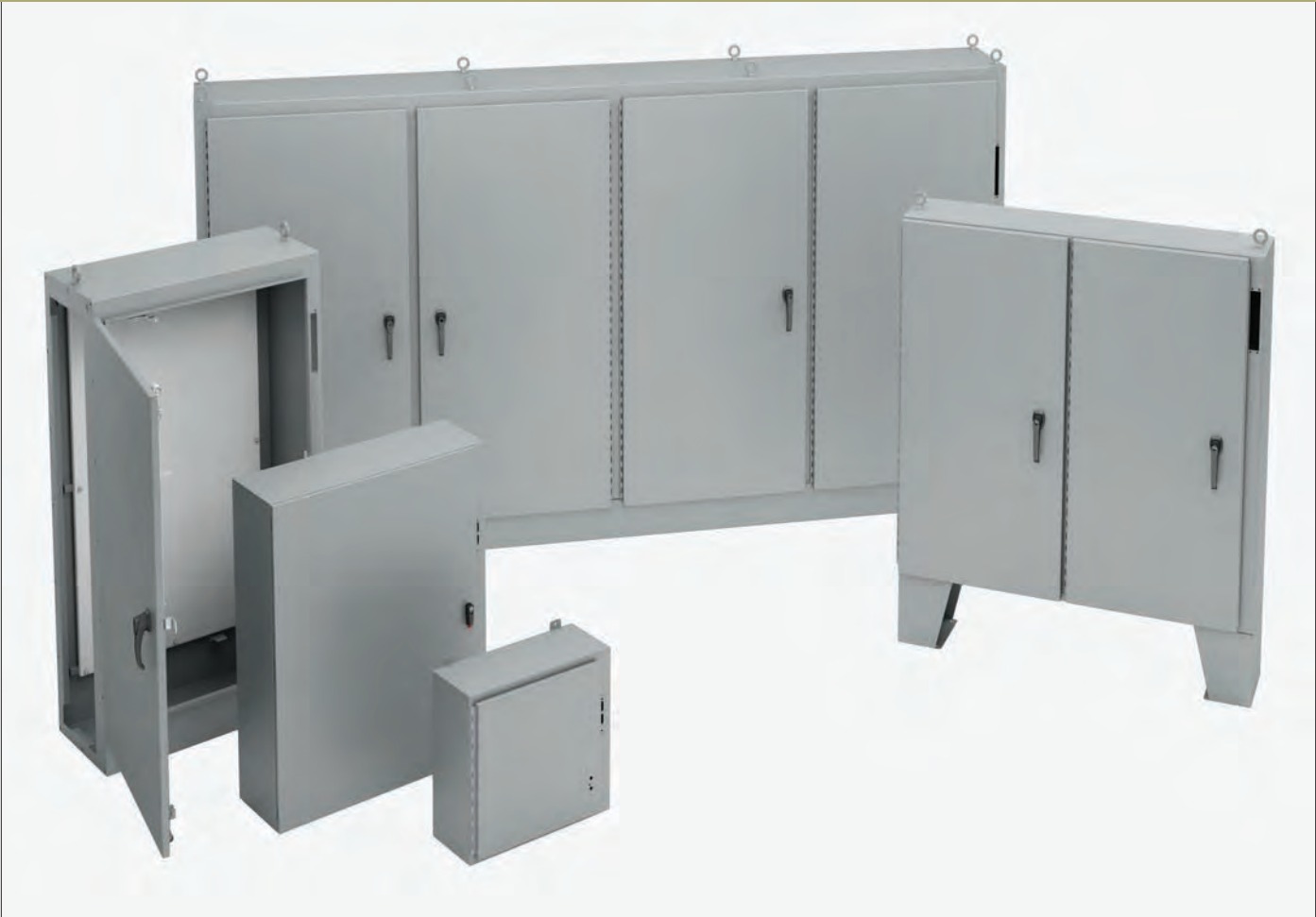
Subclass: G00

Mounting Feet

Enclosure Catalog #

MTGFTKITS





Disconnect Enclosures

Wall-Mount Enclosures Type 12 Flange-Mount	296-298
Wall-Mount Enclosures Type 4 & 4X Premier™ Series 2-Point or 3-Point Locking	299-300
Wall-Mount Enclosures Disconnect Mechanisms	301-306
Ground-Mount Enclosures Type 12 Center & Flange-Mount Floor-Standing 3-Point Locking ...	307-311
Floor-Standing Enclosures Disconnect Mechanisms	312-319
Ground-Mount Enclosures Type 12 Heavy-Duty Single & Multi Door Flange-Mount Free-Standing 3-Point Locking	320-326
Ground-Mount Enclosures Type 12 Modular Free-Standing	327-331
Free-Standing Enclosures Disconnect Mechanisms	332-339

Disconnect Enclosures

Wall-Mount Enclosures Type 12 Flange-Mount Data Sheet

Disconnect Encl.



Application

- Houses electrical controls and instruments
- Protects against circulating dust, falling dirt and dripping noncorrosive liquids
- **Designed to house the following:**
 1. Allen-Bradley† Bulletin 1494V disconnect switches with flange-mounted variable depth operating mechanisms and Bulletin 1494V flange-mounted variable depth operating mechanisms for circuit breakers.
 2. Cutler-Hammer† Type C361 flange-mounted variable depth operating mechanisms with disconnect switches and Type C371 flange mounted variable depth operating mechanisms for circuit breakers. Also Flex Shaft™ handle mechanisms for circuit breakers.
 3. General Electric† Type STDA flange handles and variable depth operating mechanisms for disconnect switches and circuit breakers. Also Spectra Flex™ cable operators for circuit breakers.
 4. I-T-E Max-Flex™† flange-mounted variable depth operating handle for disconnect switches and circuit breakers as well as some fixed depth operators for disconnect switches.
 5. Square D† Class 9422 disconnect switches with flange-mounted variable depth operating mechanisms or cable mechanisms and Class 9422 flange-mounted variable depth operating mechanisms or cable mechanisms for circuit breakers.
 6. ABB Controls† flange-mounted variable depth operating mechanisms for disconnect switches and circuit breakers.

Standards

- UL 508 listed, Type 12 and Type 13
- CSA C22.2 No.94 certified, Type 12 and Type 13
- Conforms to NEMA standard for Type 12 and Type 13

Finish

- Wash and phosphate undercoat
- ANSI 61 gray polyester powder finish

Accessories

- Panels
- Touch-up paint
- See Accessories section

Construction

- Enclosure and door are fabricated from (14) gauge steel
- All continuous welded seams are finished smooth
- Door is secured to the body with a heavy-duty continuous hinge
- Door has an interlock bracket, collar studs and hardware to accept a door closing mechanism
- Door has a seamless poured in-place gasket
- Ground stud provided on door
- Print pocket provided
- Formed lip around enclosure opening diverts liquids and contaminants
- Holes are provided on body flange and door for mounting a disconnect operating mechanism, (mechanism not furnished with enclosure -- see manufacturer's table, pages 301 - 306)
- Enclosures include a properly sized 2-pt latching bar (under 40 inches) or a 3-point latching bar (40 inches or higher)
- .375-16 collar studs are provided for mounting optional panel
- External mounting feet are provided for secure wall mounting

Discount Schedule: C2

Subclass: D00

Important Note

Latching bar, latching bar bracket interlock, hardware and instruction sheet to locate and install disconnects are furnished with enclosure.

Disconnect switch (or circuit breaker), operating handle, operating mechanism and door closing hardware are **not** furnished with enclosure, see disconnect ordering information pages 301-306

† Marks are the property of their respective owners.

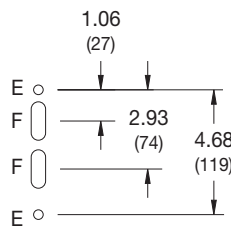
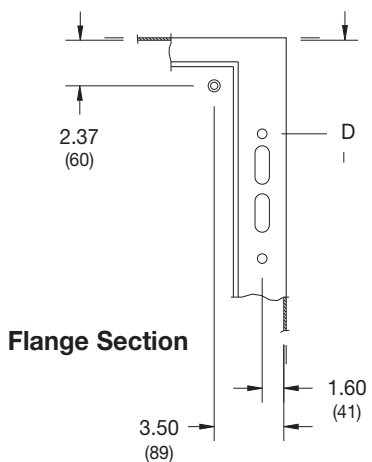
Notes: Cooper B-Line can provide special sizes, finishes and other modifications. Consult the factory for your special requirements.

Wall-Mount Enclosures Type 12 Flange-Mount Illustration Sheet and Catalog Number

Disconnect Encl.

Enclosure Catalog Number	Enclosure Size Height x Width x Depth A x B x C		Panel Catalog Number	Panel Size Height x Width	
	in.	mm		in.	mm
	FD20218-12	20.00 x 21.37 x 8.00		508 x 543 x 203	AW2020P
FD24218-12	24.00 x 21.37 x 8.00	610 x 543 x 203	AW2420P	20.87 x 16.87	530 x 428
FD24258-12	24.00 x 25.37 x 8.00	610 x 644 x 203	AW2424P	20.87 x 20.87	530 x 530
FD30218-12	30.00 x 21.37 x 8.00	762 x 543 x 203	AW3020P	26.87 x 16.87	682 x 428
FD30258-12	30.00 x 25.37 x 8.00	762 x 644 x 203	AW3024P	26.87 x 20.87	682 x 530
FD36258-12	36.00 x 25.37 x 8.00	914 x 644 x 203	AW3624P	32.87 x 20.87	835 x 530
FD36318-12	36.00 x 31.37 x 8.00	914 x 797 x 203	AW3630P	32.87 x 26.87	835 x 682
FD42318-12	42.00 x 31.37 x 8.00	1067 x 797 x 203	AW4230P	38.87 x 26.87	987 x 682
FD42378-12	42.00 x 37.37 x 8.00	1067 x 949 x 203	AW4236P	38.87 x 32.87	987 x 835
FD48378-12	48.00 x 37.37 x 8.00	1219 x 949 x 203	AW4836P	44.87 x 32.87	1140 x 835
FD60378-12	60.00 x 37.37 x 8.00	1524 x 949 x 203	AW6036P	56.87 x 32.87	1444 x 835
FD202110-12	20.00 x 21.37 x 10.00	508 x 543 x 254	AW2020P	17.00 x 17.00	432 x 432
FD242110-12	24.00 x 21.37 x 10.00	610 x 543 x 254	AW2420P	20.87 x 16.87	530 x 428
FD242510-12	24.00 x 25.37 x 10.00	610 x 644 x 254	AW2424P	20.87 x 20.87	530 x 530
FD302110-12	30.00 x 21.37 x 10.00	762 x 543 x 254	AW3020P	26.87 x 16.87	682 x 428
FD302510-12	30.00 x 25.37 x 10.00	762 x 644 x 254	AW3024P	26.87 x 20.87	682 x 530
FD362510-12	36.00 x 25.37 x 10.00	914 x 644 x 254	AW3624P	32.87 x 20.87	835 x 530
FD363110-12	36.00 x 31.37 x 10.00	914 x 797 x 254	AW3630P	32.87 x 26.87	835 x 682
FD423110-12	42.00 x 31.37 x 10.00	1067 x 797 x 254	AW4230P	38.87 x 26.87	987 x 682
FD423710-12	42.00 x 37.37 x 10.00	1067 x 949 x 254	AW4236P	38.87 x 32.87	987 x 835
FD483710-12	48.00 x 37.37 x 10.00	1219 x 949 x 254	AW4836P	44.87 x 32.87	1140 x 835
FD603710-12	60.00 x 37.37 x 10.00	1524 x 949 x 254	AW6036P	56.87 x 32.87	1444 x 835
FD302512-12	30.00 x 25.37 x 12.00	762 x 644 x 305	AW3024P	26.87 x 20.87	682 x 530
FD363112-12	36.00 x 31.37 x 12.00	914 x 797 x 305	AW3630P	32.87 x 26.87	835 x 682
FD423112-12	42.00 x 31.37 x 12.00	1067 x 797 x 305	AW4230P	38.87 x 26.87	987 x 682
FD423712-12	42.00 x 37.37 x 12.00	1067 x 949 x 305	AW4236P	38.87 x 32.87	987 x 835
FD483712-12	48.00 x 37.37 x 12.00	1219 x 949 x 305	AW4836P	44.87 x 32.87	1140 x 835
FD603712-12	60.00 x 37.37 x 12.00	1524 x 949 x 305	AW6036P	56.87 x 32.87	1444 x 835
FD603712A-12*	60.00 x 37.37 x 12.00	1524 x 949 x 305	AW6036P	56.87 x 32.87	1444 x 835
FD363116-12	36.00 x 31.37 x 16.00	914 x 797 x 406	AW3630P	32.87 x 26.87	835 x 682
FD483716-12	48.00 x 37.37 x 16.00	1219 x 949 x 406	AW4836P	44.87 x 32.87	1140 x 835
FD603716-12	60.00 x 37.37 x 16.00	1524 x 949 x 406	AW6036P	56.87 x 32.87	1444 x 835

* The 400 amp and 600 amp Allen-Bradley† Bulletin 1494V disconnect switches and I-T-E Siemens† 800 amp and 1200 amp circuit breakers will not fit any other enclosure except catalog number FD603712A-12. Enclosures 12 inches and 16 inches deep can be modified to accept I-T-E Siemens† 800 amp and 1200 amp circuit breakers. When enclosure "A" dimension is 30, 36, or 42 inches, verify the amount of wire bend space required for both the line and load sides.



D (When enclosure depth is:)							
8		10		12		16	
in.	mm	in.	mm	in.	mm	in.	mm
4.75	121	7.09	180	11.62	295	11.62	295
E = .28 (7) Dia. hole F = .50 x 1.50 (13x38) slot							

Flange Hole Location Table

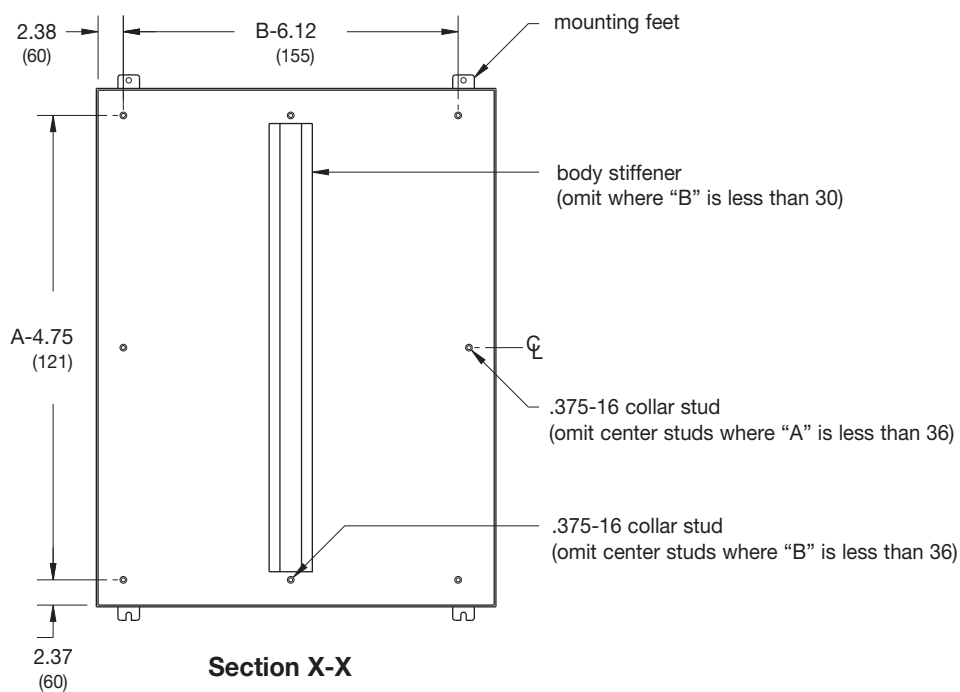
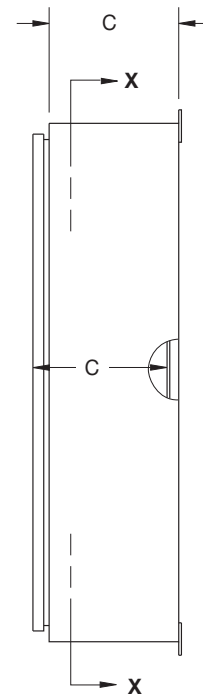
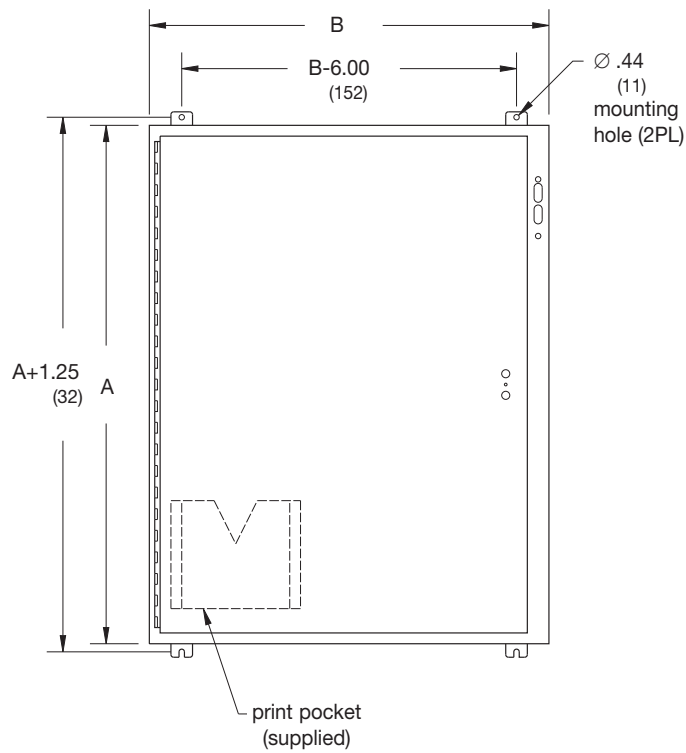
† Marks are the property of their respective owners.

Notes: Catalog number FD603712A-12 has a larger cutout in the enclosure flange to accommodate the Allen-Bradley 1494V-H2 and the I-T-E FHOHN operating handles. Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Disconnect Enclosures

Wall-Mount Enclosures Type 12 Flange-Mount Illustration Sheet

Disconnect Encl.



Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Wall-Mount Enclosures

Type 4 & 4X Premier™ Series with 2-Point or 3-Point Locking

Data Sheet



Application

- Provides housing for electrical controls and instruments
- Suitable for indoor or outdoor use
- Protects against circulating and windblown dust, falling dirt, dripping non-corrosive liquids, rain, splashing water, and hose-directed water

• Designed to house the following:

1. Allen-Bradley† Bulletin 1494V disconnect switches with flange-mounted variable depth operating mechanisms and Bulletin 1494V flange-mounted variable depth operating mechanisms for circuit breakers.
2. Cutler-Hammer† Type C361 flange-mounted variable depth operating mechanisms with disconnect switches and Type C371 flange-mounted variable depth operating mechanisms for circuit breakers. Also Flex Shaft™ handle mechanisms for circuit breakers.
3. General Electric† Type STDA flange handles and variable depth operating mechanisms for disconnect switches and circuit breakers. Also Spectra Flex™ cable operators for circuit breakers.
4. ITE Max-Flex™† flange-mounted variable depth operating handle for disconnect switches and circuit breakers, as well as some fixed depth operators for disconnect switches.
5. Square D† Class 9422 disconnect switches with flange mounted variable depth operating mechanisms and Class 9422 flange-mounted variable depth operating mechanisms or cable mechanisms for circuit breakers.
6. ABB Controls† flange-mounted variable depth operating mechanisms for disconnect switches and circuit breakers.

† Marks are the property of their respective owners.

Standards

- UL 508 listed, Type 4 or 4X, Type 12 and Type 13
- CSA C22.2 No.94 certified, Type 12 and Type 13
- Conforms to NEMA standard for Type 4 and Type 12/13

Finish

- Wash and phosphate undercoat
- ANSI 61 gray polyester powder finish
- Stainless enclosures are offered with a brushed finish in both 304 and 316L stainless steel.

Accessories

- Premier panels
- NEMA panel adapters
- Depth adjustment brackets
- Print pockets
- Mounting foot kits
- EIA/TIA rack mounting angles
- Swing-out panels

Construction

- Enclosure and door are fabricated from code gauge steel (see table)
- Hardware kit (provided) contains grounding hardware, .312-18 flanged hex nuts for panel mounting, and sealing washers for body mounting holes
- Body flange trough design, formed around body opening, diverts liquid contaminants away from door opening
- Reduced width flange design increases enclosure opening
- Ground stud provided in enclosure body
- .312-18 collar studs are provided for mounting optional Premier panels
- Enclosure mounting holes in body provided for direct mounting or optional mounting feet
- Utility bracket provides wire management and accessory mounting
- Padlocking “tool-to-open” handle with 2-point or 3-point door closing hardware installed
- Door is secured to the body with a unique spring-loaded concealed hinge
- Door is easily removed and interchangeable
- Door has a seamless foam-in-place gasket
- Door opens 170° for easy access
- Latching system interlocks with the disconnect handle for added safety

Discount Schedule: C2

Subclass: TCO & TEO

Important Note

Door closing hardware, handle, latching bar, latching bar bracket interlock, hardware and instruction sheet to locate and install disconnects are furnished with enclosure.

Disconnect switch (or circuit breaker), operating handle and operating mechanism are **not** furnished with enclosure, see disconnect ordering information pages 301 - 306

Notes: Cooper B-Line can provide special sizes, finishes and other modifications. Consult the factory for your special requirements.

Disconnect Enclosures

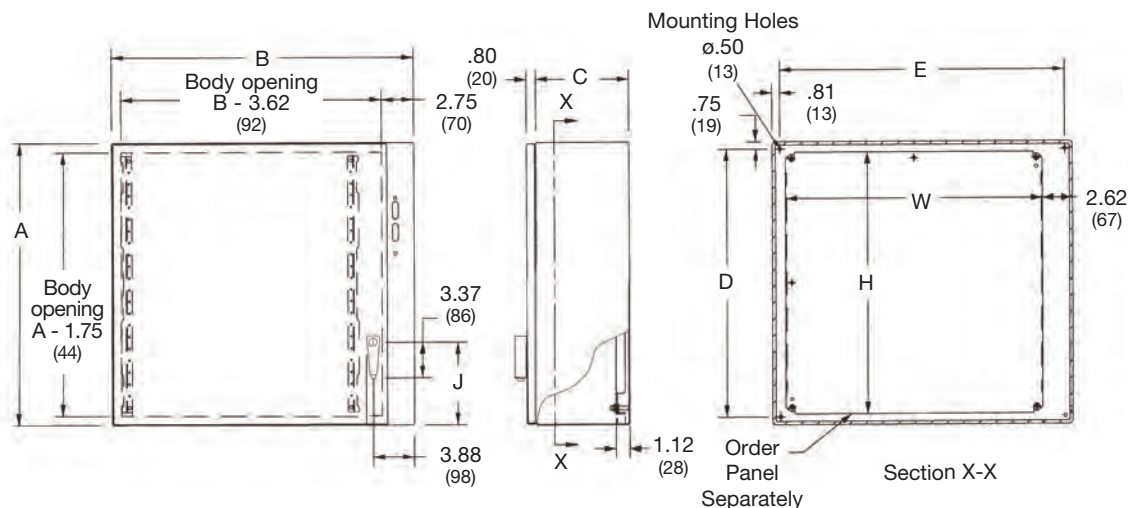
Wall-Mount Enclosures

Type 4 & 4X Premier™ Series with 2-Point or 3-Point Locking Illustration Sheet and Catalog Number

Disconnect Encl.

Enclosure Catalog Number	Door Gauge in.	Body Gauge in.	Enclosure Size Height x Width x Depth A x B x C		Panel Catalog Number	Panel Size H x W		Mounting D x E		J	
			in.	mm		in.	mm	in.	mm	in.	mm
DSC20228					2020P						
DSC20228SS4	14	16	20.00 x 22.00 x 8.00	508 x 559 x 203	2020PSS4	18.00 x 18.00	457 x 457	18.50 x 20.37	470 x 518	5.0	127
DSC20228SS6					--						
DSC24228					2420P						
DSC24228SS4	14	16	24.00 x 22.00 x 8.00	610 x 559 x 203	2420PSS4	22.00 x 18.00	559 x 457	22.50 x 20.37	572 x 518	6.0	153
DSC24228SS6					--						
DSC24268					2424P						
DSC24268SS4	14	16	24.00 x 26.00 x 8.00	610 x 660 x 203	2424PSS4	22.00 x 22.00	559 x 559	22.50 x 24.37	572 x 619	6.0	153
DSC24268SS6					--						
DSC30268					3024P						
DSC30268SS4	14	16	30.00 x 26.00 x 8.00	762 x 660 x 203	3024PSS4	28.00 x 22.00	711 x 559	28.50 x 24.37	724 x 619	6.0	153
DSC30268SS6					--						
DSC36268					3624P						
DSC36268SS4	14	14	32.00 x 26.00 x 8.00	914 x 660 x 203	3624PSS4	34.00 x 22.00	864 x 559	34.50 x 24.37	876 x 619	6.0	153
DSC36268SS6					--						
DSC36328					3630P						
DSC36328SS4	14	14	36.00 x 32.00 x 8.00	914 x 813 x 203	3630PSS4	34.00 x 28.00	864 x 711	34.50 x 30.37	869 x 771	6.0	153
DSC36328SS6					--						
DSC423212					4230P						
DSC423212SS4	14	14	42.00 x 32.00 x 12.00	1067 x 813 x 305	4230PSS4	40.00 x 28.00	1016 x 711	40.50 x 30.37	1029 x 771	21.0	53
DSC423212SS6					--						
DSC423812					4236P						
DSC423812SS4	14	14	42.00 x 38.00 x 12.00	1067 x 965 x 305	4236PSS4	40.00 x 34.00	1016 x 864	40.50 x 36.37	1029 x 924	21.0	53
DSC423812SS6					--						
DSC483812					4836P						
DSC483812SS4	14	14	48.00 x 38.00 x 12.00	1219 x 965 x 305	4836PSS4	46.00 x 34.00	1168 x 864	46.50 x 36.37	1181 x 924	24.0	610
DSC483812SS6					--						
DSC603812					6036P						
DSC603812SS4	14	14	60.00 x 38.00 x 12.00	1524 x 965 x 305	6036PSS4	58.00 x 34.00	1473 x 864	58.50 x 36.37	1486 x 924	30.0	762
DSC603812SS6					--						

Painted Steel - Part Number alone. Stainless Steel 304 - Part Number with SS4. Stainless Steel 316 - Part Number with SS6.



Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Wall-Mount Enclosures Disconnect Ordering Information Allen-Bradley †

1494V Disconnect Mechanism

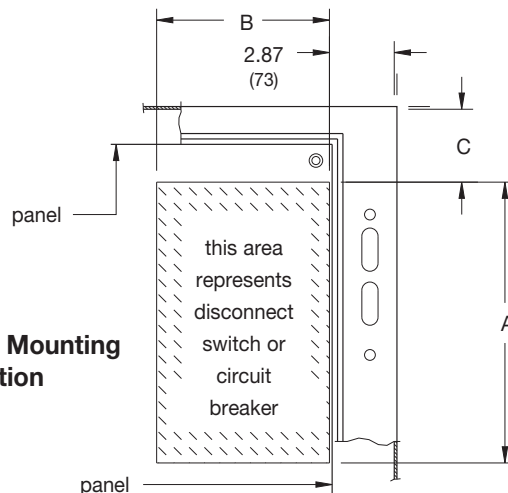
Allen-Bradley † Mechanism for Switches	Amp	Fuse Clip Rating		Fuse Class	A		B		C (when enclosure depth is:)							
		Amp	Volt		in.	mm	in.	mm	8		10		12		16	
									in.	mm	in.	mm	in.	mm	in.	mm
DS30	30A	(non)	(non)	--	5.75	146	6.37	162	2.87	73	5.25	133	9.75	248	9.75	248
DS30	30A	30A	250V	H,K,R	7.12	181	6.37	162	2.87	73	5.25	133	9.75	248	9.75	248
DS30	30A	30A	600V	H,K,R	9.87	251	6.37	162	2.87	73	5.25	133	9.75	248	9.75	248
DS30	30A	30A	600V	J	7.12	181	6.37	162	2.87	73	5.25	133	9.75	248	9.75	248
DS30	30A	60A	250V	H,K	7.87	200	6.37	162	2.87	73	5.25	133	9.75	248	9.75	248
DS30	30A	60A	600V	H,K	10.37	263	6.37	162	2.87	73	5.25	133	9.75	248	9.75	248
DS30	30A	60A	600V	J	7.25	184	6.37	162	2.87	73	5.25	133	9.75	248	9.75	248
DS60	60A	(non)	(non)	--	5.87	149	6.37	162	2.75	70	5.12	130	9.62	244	9.62	244
DS60	60A	60A	250V	H,K,R	8.00	203	6.37	162	2.75	70	5.12	130	9.62	244	9.62	244
DS60	60A	60A	600V	H,K,R	10.50	267	6.37	162	2.75	70	5.12	130	9.62	244	9.62	244
DS60	60A	60A	600V	J	7.37	187	6.37	162	2.75	70	5.12	130	9.62	244	9.62	244
DS60	60A	30A	600V	H,K,R	10.00	254	6.37	162	2.75	70	5.12	130	9.62	244	9.62	244
DS60	60A	100A	250V	H,K	10.50	267	6.37	162	2.75	70	5.12	130	9.62	244	9.62	244
DS60	60A	100A	600V	H,K	12.50	318	6.37	162	2.75	70	5.12	130	9.62	244	9.62	244
DS60	60A	100A	600V	J	9.25	235	6.37	162	2.75	70	5.12	130	9.62	244	9.62	244
DS100	100A	(non)	(non)	--	8.25	210	7.62	194	*	*	3.62	92	8.12	206	8.12	206
DS100	100A	100A	250V	H,K,R	13.87	352	7.62	194	*	*	3.62	92	8.12	206	8.12	206
DS100	100A	100A	600V	H,K,R	15.87	403	7.62	194	*	*	3.62	92	8.12	206	8.12	206
DS100	100A	100A	600V	J	12.62	321	7.62	194	*	*	3.62	92	8.12	206	8.12	206
DS100	100A	200A	600V	H,K	14.75	375	7.62	194	*	*	3.62	92	8.12	206	8.12	206
DS100	100A	200A	600V	H,K	17.25	438	7.62	194	*	*	3.62	92	8.12	206	8.12	206
DS100	100A	200A	600V	J	13.37	340	7.62	194	*	*	3.62	92	8.12	206	8.12	206

Allen-Bradley † Mechanism for Circuit Breakers	Amp	Circuit Breaker Type		A		B		C (when enclosure depth is:)							
		Manufacturer	Frame(s)	in.	mm	in.	mm	8		10		12		16	
								in.	mm	in.	mm	in.	mm	in.	mm
M40	150A	General Electric	TED, THED, TEC	6.12	155	4.25	108	4.25	108	6.62	168	11.12	282	11.12	282
M40	150A	Westinghouse	F (series C)	5.50	140	4.25	108	4.25	108	6.62	168	11.12	282	11.12	282
M50	250A	Westinghouse	J (series C)	11.00	279	4.50	114	*	*	*	*	10.62	270	10.62	270
M60	400A	Westinghouse	K (series C)	11.00	279	5.87	149	*	*	*	*	10.50	267	10.50	267

* Do not install disconnects in this depth enclosure.

The dimensional information provided in this table is derived from information supplied by the manufacturer of the equipment to be installed. Fit and function of all equipment should be checked before and after installation to assure proper and safe operation and compliance with the applicable regulations, codes and standards.

Disconnect Mounting Location



† Marks are the property of their respective owners.

Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Disconnect Enclosures

Wall-Mount Enclosures

Disconnect Ordering Information

Cutler-Hammer †

C361 Disconnect Mechanism

Cutler-Hammer † Mechanism for Switches	Amp	Fuse Clip Rating		Fuse Class	A		B		C (when enclosure depth is:)							
		Amp	Volt		in.	mm	in.	mm	8		10		12		16	
									in.	mm	in.	mm	in.	mm	in.	mm
NC	30A	(non)	(non)	--	6.00	152	5.75	146	3.50	89	5.75	146	10.25	260	10.25	260
SC21	30A	30A	250V	H,K,R	9.00	229	5.75	146	3.50	89	5.75	146	10.25	260	10.25	260
SC61	30A	30A	600V	H,K,R	9.00	229	5.75	146	3.50	89	5.75	146	10.25	260	10.25	260
SC61	30A	30A	600V	J	9.00	229	5.75	146	3.50	89	5.75	146	10.25	260	10.25	260
SC61	30A	60A	250V	H,K,R	9.50	241	5.75	146	3.50	89	5.75	146	10.25	260	10.25	260
ND	60A	(non)	(non)	--	6.00	152	5.75	146	3.50	89	5.75	146	10.25	260	10.25	260
SD22	60A	30A	600V	J	9.00	229	5.75	146	3.50	89	5.75	146	10.25	260	10.25	260
SD22	60A	60A	250V	H,K,R	9.50	241	5.75	146	3.50	89	5.75	146	10.25	260	10.25	260
SD62	60A	60A	600V	H,K,R	9.50	241	5.75	146	3.50	89	5.75	146	10.25	260	10.25	260
SD62	60A	60A	600V	J	9.00	229	5.75	146	3.50	89	5.75	146	10.25	260	10.25	260
NE	100A	(non)	(non)	--	6.00	152	7.12	181	3.00	76	5.37	136	9.87	251	9.87	251
SE263	100A	100A	250V	H,K,R	10.62	270	7.12	181	3.00	76	5.37	136	9.87	251	9.87	251
SE263	100A	100A	600V	H,K,R	10.62	270	7.12	181	3.00	76	5.37	136	9.87	251	9.87	251
SE263	100A	100A	600V	J	9.37	238	7.12	181	3.00	76	5.37	136	9.87	251	9.87	251
NF (2)	200A	(non)	(non)	--	16.75	425	9.75	248	*	*	*	*	8.00	203	8.00	203
SF264 (2)	200A	200A	250V	H,K,R	16.75	425	9.75	248	*	*	*	*	8.00	203	8.00	203
SF264 (2)	200A	200A	600V	H,K,R	16.75	425	9.75	248	*	*	*	*	8.00	203	8.00	203
SF264 (2)	200A	200A	600V	J	16.75	425	9.75	248	*	*	*	*	8.00	203	8.00	203

C371 Disconnect Mechanism

Cutler-Hammer † Mechanism for Circuit Breakers	Amp	Circuit Breaker Type		A		B		C (when enclosure depth is:)							
		Manufacturer	Frame(s)	in.	mm	in.	mm	8		10		12		16	
								in.	mm	in.	mm	in.	mm	in.	mm
C371E (1)	150A	Cutler-Hammer	HMCP,FS,FH	6.50	165	5.25	133	4.43	113	6.81	173	11.43	290	11.43	290
C371F (1)	225A	Cutler-Hammer	HMCP,JS,JH,JL	11.50	292	7.75	197	*	*	6.75	171	11.25	286	11.25	286
C371F (1)	400A	Cutler-Hammer	HMCP,KS,KH	10.50	267	7.75	197	*	*	*	*	10.75	273	10.75	273
C371G (1)	600A	Cutler-Hammer	LS,LH	9.75	248	11.62	295	*	*	*	*	9.25	235	9.25	235
C371E (1)	150A	Westinghouse	F (series C)	6.50	165	5.25	133	4.43	113	6.81	173	11.43	290	11.43	290
C371F (1)	250A	Westinghouse	J (series C)	11.50	292	7.75	197	*	*	6.75	171	11.25	286	11.25	286
C371F (1)	400A	Westinghouse	K (series C)	10.50	267	7.75	197	*	*	*	*	10.75	273	10.75	273
C371G (1)	600A	Westinghouse	LA,LC	10.87	276	11.62	295	*	*	*	*	9.25	235	9.25	235

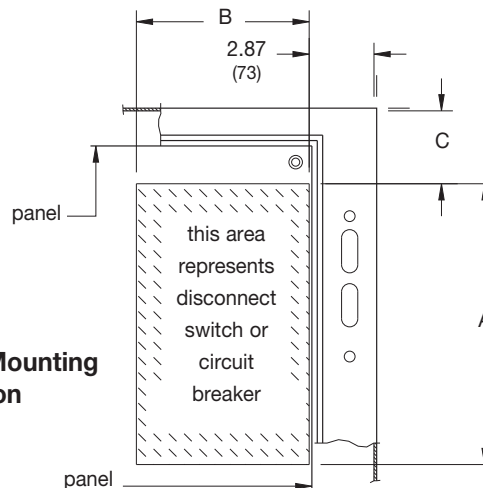
* Do not install disconnects in this depth enclosure.

(1) Wire bending space "C" does not allow for the maximum size cable in some depth enclosures.

(2) Do not install 200A switch in enclosures less than 30 inches high.

The dimensional information provided in this table is derived from information supplied by the manufacturer of the equipment to be installed. Fit and function of all equipment should be checked before and after installation to assure proper and safe operation and compliance with the applicable regulations, codes and standards.

Disconnect Mounting Location



† Marks are the property of their respective owners.

Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Wall-Mount Enclosures Disconnect Ordering Information General Electric †

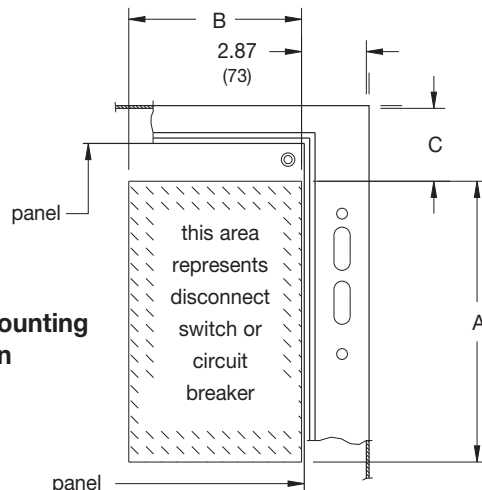
TDA Disconnect Mechanism

General Electric † Mechanism for Switches	Amp	Fuse Clip Rating		Fuse Class	A		B		C (when enclosure depth is:)							
		Amp	Volt		in.	mm	in.	mm	8		10		12		16	
					in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm
TDOM1A	30A	(non)	(non)	--	6.31	160	5.00	127	6.18	157	7.62	194	12.12	308	12.12	308
TDOM1A	30A	30A	250V	H,R	6.31	160	5.00	127	6.18	157	7.62	194	12.12	308	12.12	308
TDOM1B	30A	30A	600V	H,R	10.93	278	5.00	127	6.18	157	7.62	194	12.12	308	12.12	308
TDOM1B	30A	30A	250V	H,R	10.93	278	5.00	127	6.18	157	7.62	194	12.12	308	12.12	308
TDOM1B	30A	60A	600V	H,R	10.93	278	5.00	127	6.18	157	7.62	194	12.12	308	12.12	308
TDOM1A	60A	(non)	(non)	--	6.31	160	5.00	127	6.18	157	7.62	194	12.12	308	12.12	308
TDOM1B	60A	60A	250V	H,R	10.93	278	5.00	127	6.18	157	7.62	194	12.12	308	12.12	308
TDOM1B	60A	60A	600V	H,R	10.93	278	5.00	127	6.18	157	7.62	194	12.12	308	12.12	308
TDOM1B	60A	100A	250V	H,R	10.93	278	5.00	127	6.18	157	7.62	194	12.12	308	12.12	308
TDOM1B	60A	100A	600V	H,R	10.93	278	5.00	127	6.18	157	7.62	194	12.12	308	12.12	308
TDOM1A	100A	(non)	(non)	--	6.31	160	5.00	127	6.18	157	7.62	194	12.12	308	12.12	308
TDOM1B	100A	100A	250V	H,R	10.93	278	5.00	127	6.18	157	7.62	194	12.12	308	12.12	308
TDOM1B	100A	100A	600V	H,R	10.93	278	5.00	127	6.18	157	7.62	194	12.12	308	12.12	308
TDOM1B	100A	200A	250V	H,R	10.93	278	5.00	127	6.18	157	7.62	194	12.12	308	12.12	308
TDOM1B	100A	200A	600V	H,R	10.93	278	5.00	127	6.18	157	7.62	194	12.12	308	12.12	308
TDOM2	200A	(non)	(non)	--	9.12	232	8.87	225	*	*	*	*	9.50	241	9.50	241
TDOM2	200A	200A	250V	H,R	17.50	445	8.87	225	*	*	*	*	9.50	241	9.50	241
TDOM2	200A	200A	600V	H,R	17.50	445	8.87	225	*	*	*	*	9.50	241	9.50	241

General Electric † Mechanism for Circuit Breakers	Amp	Circuit Breaker Type	A		B		C (when enclosure depth is:)							
			in.	mm	in.	mm	8		10		12		16	
							in.	mm	in.	mm	in.	mm	in.	mm
TDOM1A	150A	TEB,TEC,TED,THED	6.43	163	5.00	127	6.06	154	7.50	191	12.06	306	12.06	306
TDOM1B	150A	TBI,TEC,TECL	11.06	281	5.00	127	6.06	154	7.50	191	12.06	306	12.06	306
TDOM1C	150A	TEL	6.43	163	5.00	127	6.06	154	7.50	191	12.06	306	12.06	306
TDOM1D	150A	THLCI	9.75	248	5.00	127	*	*	5.12	130	9.62	244	9.62	244
TDOM3	225A	TFJ,TFK,THFK,TFL	11.43	290	5.50	127	*	*	6.06	154	10.62	270	10.62	270
TDOM4	400A	TJJ,TJK4,THJK4,TJL4V	10.25	260	9.12	232	*	*	5.12	130	9.68	246	9.68	246
TDOM4	600A	TJK6,THJK6,TJ4V,TJL4V	10.25	260	9.12	232	*	*	5.12	130	9.68	246	9.68	246
TDOM5	400A	TB4,TJH6S	16.25	413	9.12	232	*	*	5.12	130	9.68	246	9.68	246
TDOM6	225A	TLB2,THLC2	14.25	362	9.12	232	*	*	*	*	9.12	232	9.12	232
TDOM6	400A	TLB4,THLC4	15.62	397	9.12	232	*	*	*	*	7.75	197	7.75	197

* Do not install disconnects in this depth enclosure.

The dimensional information provided in this table is derived from information supplied by the manufacturer of the equipment to be installed. Fit and function of all equipment should be checked before and after installation to assure proper and safe operation and compliance with the applicable regulations, codes and standards.



Disconnect Mounting Location

† Marks are the property of their respective owners.

Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Disconnect Enclosures

Wall-Mount Enclosures Disconnect Ordering Information I-T-E Siemens® †

MAX-FLEX Disconnect Mechanism

Disconnect Encl.

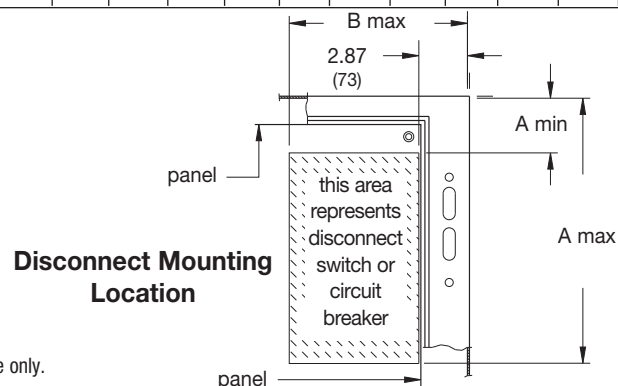
Encl. Depth	I-T-E † Mechanism for Circuit Breaker	Cable Length	Amp	Circuit Breaker Frame	A ⁽¹⁾								B ⁽²⁾			
					device		nominal		min		max		device		max	
					in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm
8	FHOE036	36	125A	ED,HED,ED6ETI	6.37	162	10.12	257	1.25	32	21.00	533	3.00	76	14.50	368
	FHOE036	36	125A	CED6ETI	8.50	216	13.25	337	4.50	114	24.25	616	3.00	76	14.50	368
	FHOF036	36	250A	FD,HFD,FXD,FXDETI	9.50	241	10.37	263	1.00	25	21.25	540	4.50	114	13.00	330
	FHOF036	36	250A	CFD,CFDETI	14.12	359	15.00	381	3.12	79	21.25	540	4.50	114	13.00	330
	FHOJ036	36	400A	JD,HJD,JXD2,JXD6	11.00	279	10.00	254	1.12	28	20.87	530	7.50	191	14.50	368
	FHOJ036	36	400A	SJD,SHJD,JXD6ETI	11.00	279	10.00	254	1.12	28	20.87	530	7.50	191	14.50	368
	FHOJ036	36	400A	CJD,SCJD,CJD6ETI	17.87	454	16.87	428	6.75	171	26.50	673	7.50	191	14.50	368
	FHOJ036	36	600A	LD,LXD,HLD	11.00	279	10.00	254	1.12	28	20.87	530	7.50	191	14.50	368
	FHOJ036	36	600A	SLD,SHLD,LXD6ETI	11.00	279	10.00	254	1.12	28	20.87	530	7.50	191	14.50	368
FHOJ036	36	600A	CLD,SCLD,CLD6ETI	17.87	454	16.87	428	6.75	171	26.50	673	7.50	191	14.50	368	
10	FHOE036	36	125A	ED,HED,ED6ETI	6.37	162	12.50	318	2.62	67	22.87	581	3.00	76	14.25	362
	FHOE036	36	125A	CED6ETI	8.50	216	16.62	422	5.87	149	26.12	663	3.00	76	14.25	362
	FHOF036	36	250A	FD,HFD,FXD,FXDETI	9.50	241	12.75	324	2.87	73	23.12	587	4.50	114	12.75	324
	FHOF036	36	250A	CFD,CFDETI	14.12	359	17.37	441	5.50	140	28.00	711	4.50	114	12.75	324
	FHOJ036	36	400A	JD,HJD,JXD2,JXD6	11.00	279	12.37	314	2.50	64	22.75	578	7.50	191	14.25	362
	FHOJ036	36	400A	SJD,SHJD,JXD6ETI	11.00	279	12.37	314	2.50	64	22.75	578	7.50	191	14.25	362
	FHOJ036	36	400A	CJD,SCJD,CJD6ETI	17.87	454	19.25	489	9.37	238	29.62	750	7.50	191	14.25	362
	FHOJ036	36	600A	LD,LXD,HLD	11.00	279	12.37	314	2.50	64	22.75	578	7.50	191	14.25	362
	FHOJ036	36	600A	SLD,SHLD,LXD6ETI	11.00	279	12.37	314	2.50	64	22.75	578	7.50	191	14.25	362
FHOJ036	36	600A	CLD,SCLD,CLD6ETI	17.87	454	19.25	489	9.37	238	29.62	750	7.50	191	14.25	362	
12	FHOE036	36	125A	ED,HED,ED6ETI	6.37	162	17.00	432	6.37	162	27.50	699	3.00	76	13.75	349
	FHOE036	36	125A	CED6ETI	8.50	216	19.87	505	9.62	244	30.37	771	3.00	76	13.75	349
	FHOF036	36	250A	FD,HFD,FXD,FXDETI	9.50	241	17.25	438	6.62	168	27.37	695	4.50	114	12.25	311
	FHOF036	36	250A	CFD,CFDETI	14.12	359	21.87	555	11.37	289	32.12	816	4.50	114	12.25	311
	FHOJ036	36	400A	JD,HJD,JXD2,JXD6	11.00	279	16.87	428	6.25	159	26.87	682	7.50	191	13.75	349
	FHOJ036	36	400A	SJD,SHJD,JXD6ETI	11.00	279	16.87	428	6.25	159	26.87	682	7.50	191	13.75	349
	FHOJ036	36	400A	CJD,SCJD,CJD6ETI	17.87	454	23.75	603	13.12	333	33.87	860	7.50	191	13.75	349
	FHOJ036	36	600A	LD,LXD,HLD	11.00	279	16.87	428	6.25	159	26.87	682	7.50	191	13.75	349
	FHOJ036	36	600A	SLD,SHLD,LXD6ETI	11.00	279	16.87	428	6.25	159	26.87	682	7.50	191	13.75	349
FHOJ036	36	600A	CLD,SCLD,CLD6ETI	17.87	454	23.75	603	13.12	333	33.87	860	7.50	191	13.75	349	
16	FHOE036	36	125A	ED,HED,ED6ETI	6.37	162	17.00	432	7.75	197	26.50	673	3.00	76	11.50	292
	FHOE036	36	125A	CED6ETI	8.50	216	19.87	505	11.12	282	29.87	759	3.00	76	11.50	292
	FHOF036	36	250A	FD,HFD,FXD,FXDETI	9.50	241	17.25	438	8.12	206	26.87	682	4.50	114	10.00	254
	FHOF036	36	250A	CFD,CFDETI	14.12	359	21.87	555	13.00	330	31.62	803	4.50	114	10.00	254
	FHOJ036	36	400A	JD,HJD,JXD2,JXD6	11.00	279	16.87	428	7.62	194	26.37	670	7.50	191	11.50	292
	FHOJ036	36	400A	SJD,SHJD,JXD6ETI	11.00	279	16.87	428	7.62	194	26.37	670	7.50	191	11.50	292
	FHOJ036	36	400A	CJD,SCJD,CJD6ETI	17.87	454	23.75	603	14.62	371	33.37	848	7.50	191	11.50	292
	FHOJ036	36	600A	LD,LXD,HLD	11.00	279	16.87	428	7.62	194	26.37	670	7.50	191	11.50	292
	FHOJ036	36	600A	SLD,SHLD,LXD6ETI	11.00	279	16.87	428	7.62	194	26.37	670	7.50	191	11.50	292
FHOJ036	36	600A	CLD,SCLD,CLD6ETI	17.87	454	23.75	603	14.62	371	33.37	848	7.50	191	11.50	292	

- (1) Flexible operating cable allows disconnect to be mounted within minimum and maximum of "A" dimension when "B" is min. (2.87).
 (2) Flexible operating cable allows disconnect to be mounted within minimum, (2.87) and maximum of "B" dimension when "A" is nominal.

The dimensional information provided in this table is derived from information supplied by the manufacturer of the equipment to be installed. Fit and function of all equipment should be checked before and after installation to assure proper and safe operation and compliance with the applicable regulations, codes and standards.

† Marks are the property of their respective owners.

Notes: Dimensions are in inches. Millimeters shown are for reference only.
 Data subject to change without notice.



Wall-Mount Enclosures Disconnect Ordering Information Square D® †

9422 Disconnect Mechanism

Disconnect Encl.

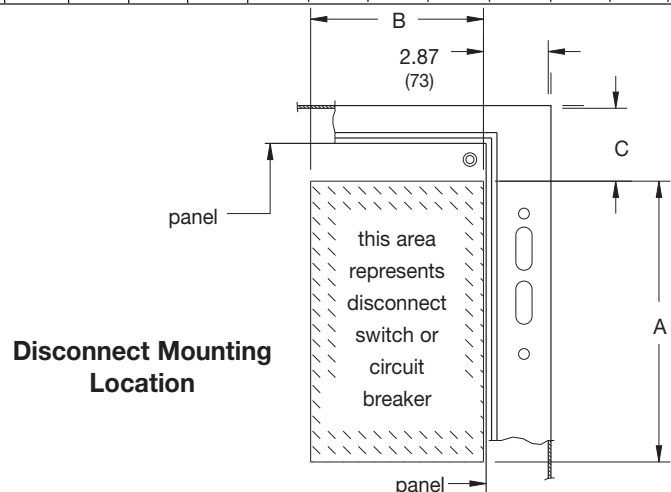
Square D † Mechanism for Switches	Amp	Fuse Clip Rating		Fuse Class	A		B		C (when enclosure depth is:)							
		Amp	Volt		in.		mm		8		10		12		16	
					in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm
RC-1	30A	(non)	(non)	--	3.37	86	6.87	174	4.62	117	7.00	178	11.50	292	11.50	292
RC-2	30A	30A	250V	H,K,R	5.12	130	6.87	174	4.62	117	7.00	178	11.50	292	11.50	292
RC-3	30A	30A	600V	H,K,R	8.12	206	6.87	174	4.62	117	7.00	178	11.50	292	11.50	292
RC-3	30A	30A	600V	J	5.12	130	6.87	174	4.62	117	7.00	178	11.50	292	11.50	292
RC-3	30A	60A	250V	H,K,R	6.12	155	6.87	174	4.62	117	7.00	178	11.50	292	11.50	292
TC-1	30A	(non)	(non)	--	7.75	197	5.75	146	3.12	79	5.12	130	10.50	267	10.50	267
TC-2	30A	30A	250V	H,K,R	7.75	197	5.75	146	3.12	79	5.12	130	10.50	267	10.50	267
TC-3	30A	30A	600V	H,K,R	7.75	197	5.75	146	3.12	79	5.12	130	10.50	267	10.50	267
TC-3	30A	30A	600V	J	7.75	197	5.75	146	3.12	79	5.12	130	10.50	267	10.50	267
TC-3	30A	60A	250V	H,K,R	7.75	197	5.75	146	3.12	79	5.12	130	10.50	267	10.50	267
TD-1	60A	(non)	(non)	--	9.50	241	6.37	162	3.62	92	6.00	152	10.50	267	10.50	267
TD-2	60A	30A	600V	H,K,R	9.50	241	6.37	162	3.62	92	6.00	152	10.50	267	10.50	267
TD-2	60A	60A	250V	H,K,R	7.62	194	6.37	162	3.62	92	6.00	152	10.50	267	10.50	267
TD-3	60A	60A	600V	H,K,R	10.12	257	6.37	162	3.62	92	6.00	152	10.50	267	10.50	267
TD-3	60A	60A	600V	J	7.62	194	6.37	162	3.62	92	6.00	152	10.50	267	10.50	267
TE-1	100A	(non)	(non)	--	6.12	155	8.12	206	*	*	5.75	146	10.25	260	10.25	260
TE-2	100A	100A	250V	H,K,R	8.87	225	8.12	206	*	*	5.75	146	10.25	260	10.25	260
TE-2	100A	100A	600V	H,K,R	10.87	276	8.12	206	*	*	5.75	146	10.25	260	10.25	260
TE-2	100A	100A	600V	J	7.62	194	8.12	206	*	*	5.75	146	10.25	260	10.25	260
TE-3	100A	200A	600V	J	15.12	384	8.12	206	*	*	5.75	146	10.25	260	10.25	260
TF-1	200A	(non)	(non)	--	8.25	210	11.37	289	*	*	*	*	8.87	225	8.87	225
TF-2	200A	200A	250V	H,K,R	14.25	362	11.37	289	*	*	*	*	8.87	225	8.87	225
TF-2	200A	200A	600V	H,K,R	16.75	425	11.37	289	*	*	*	*	8.87	225	8.87	225
TF-2	200A	200A	600V	J	12.87	327	11.37	289	*	*	*	*	8.87	225	8.87	225
TF-3	200A	400A	600V	J	17.25	438	11.37	289	*	*	*	*	8.87	225	8.87	225

Square D † Mechanism for Circuit Breakers	Amp	Circuit Breaker Type	A		B		C (when enclosure depth is:)							
			in.		mm		8		10		12		16	
			in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm
RN-1	100A	FAL,FHL,FCL	6.12	155	4.25	108	3.75	95	6.12	155	10.62	270	10.62	270
RP-1	250A	KAL,KHL,KCL	7.37	187	4.25	108	*	*	6.87	174	11.37	289	11.37	289
RR-1	400A	LAL,LHL,Q4L	12.25	311	4.50	114	*	*	*	*	7.00	178	7.00	178
RR-2	400A	ILL	11.12	282	5.87	149	*	*	*	*	11.37	289	11.37	289

* Do not install disconnects in this depth enclosure.

The dimensional information provided in this table is derived from information supplied by the manufacturer of the equipment to be installed. Fit and function of all equipment should be checked before and after installation to assure proper and safe operation and compliance with the applicable regulations, codes and standards.

† Marks are the property of their respective owners.



Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Disconnect Enclosures

Wall-Mount Enclosures Disconnect Ordering Information

Disconnect Encl.

ALLEN-BRADLEY †

Standard enclosure designed to accept variable depth type 1494V.

Allen-Bradley† 1494V disconnect switch:

1. Disconnect switch and operating mechanism 1494V.
2. Operating handle 1494V-H1.
3. Trailer fuse block kit, (if required).
4. Fuse clip kit, (if required).
5. Line and load connectors, (if necessary).
6. Door hardware: 2-pt latching mechanism 1494V-L1 or 3-pt latching mechanism 1494-L2.

Allen-Bradley† 1494V circuit breaker:

1. Circuit breaker (General Electric, Westinghouse).
2. Operating mechanism.
3. Operating handle 1494V-H11.
4. Door hardware: 2-pt latching mechanism 1494V-L1 or 3-pt latching mechanism 1494V-L2.

CUTLER-HAMMER †

Standard enclosures designed to accept variable depth types C361 and C371.

Cutler-Hammer† C361 disconnect switch:

1. Disconnect switch and operating mechanism.
2. Operating handle.
3. Door hardware: 2-pt latching mechanism (C361KJ4 or C361KJ6) or 3-pt latching mechanism (C361KJ4 or C361KJ6) and C361KR.

Cutler-Hammer† C371 circuit breaker:

1. Circuit breaker (Cutler-Hammer, Westinghouse)
2. Operating mechanism.
3. Operating handle.
4. Door hardware: 2-pt latching mechanism (C361KJ4 or C361KJ6) or 3-pt latching mechanism (C361KJ4 or C361KJ6) and C361KR.

GENERAL ELECTRIC †

Standard enclosures designed to accept variable depth type TDA.

General Electric† TDA disconnect switch:

1. Disconnect switch (QMR, QMW) and variable depth operating mechanism.
2. Operating handle TDA1.
3. Fuse clip kit or no fuse kit, (if required).
4. Door hardware: 2-pt latching mechanism TDV1 or 3-pt latching mechanism TDV1 and TDV3.

General Electric† TDA circuit breaker:

1. Circuit breaker.
2. Variable depth operating mechanism.
3. Operating handle TDA1.
4. Door hardware: 2-pt latching mechanism TDV1 or 3-pt latching mechanism TDV1 and TDV3.

I-T-E SIEMENS †

Standard enclosures designed to accept MAX-FLEX type FHO.

I-T-E Siemens† MAX-FLEX† circuit breaker:

1. Circuit Breaker.
2. Operating mechanism.
3. Operating handle FHOH.
4. Line and load connectors, (if necessary).
5. Operating cable (standard 36 inch).
6. Door hardware: 2-pt latching mechanism DKR2 or 3-pt latching mechanism DKR3.

SQUARE D †

Standard enclosures designed to accept variable depth type 9422.

Square D† 9422 disconnect switch:

1. Disconnect switch and operating mechanism 9422.
2. Operating handle 9422-A1.
3. Door hardware: 2-pt latching mechanism 9423-M4 or 3-pt latching mechanism (9423-M4 or 9423-M9) and 9423-M3.

Square D† 9422 circuit breaker:

1. Circuit breaker.
2. Operating mechanism.
3. Operating handle 9422-A1.
4. Door hardware: 2-pt latching mechanism 9423-M4 or 3-pt latching mechanism (9423-M4 or 9423-M9) and 9423-M3.

† Marks are the property of their respective owners.

Important Note

When ordering flange-mounted disconnect equipment be sure to include all the necessary components.

1. Latching bar, latching bar bracket interlock and hardware are furnished with the enclosure.
2. Disconnects and related components are available from the manufacturer, see pages 301 - 306.

Notes: Data subject to change without notice.

Ground-Mount Enclosures Type 12 Center & Flange-Mount Floor-Standing with 3-Point Locking Data Sheet



Application

- Houses electrical controls and instruments
- Protects against circulating dust, falling dirt and dripping noncorrosive liquids

Standards

- UL 508 listed, Type 12
- CSA C22.2 No.94 certified, Type 12
- Conforms to NEMA standard for Type 12

Finish

- Wash and phosphate undercoat
- ANSI 61 gray polyester powder finish

Accessories

- Panels
- Channel mounting hardware
- Blank adapter plates
- Operator adapters
- Leg stabilizer kit
- Touch-up paint
- Replacement handle, 11184A (see page 422).
- See Accessories section

Discount Schedule: C2

Subclass: D00

Construction

- Enclosure and door are fabricated from (10) gauge steel
- All continuous welded seams are finished smooth
- Doors are secured to the body with a heavy-duty continuous hinge and a 3-point padlocking handle mechanism
- Right-side door serves as the master door on the flange mount disconnect type with a defeater mechanism which requires a screwdriver to open
- Left-side door serves as the master door on the center post disconnect type with a defeater mechanism which requires a screwdriver to open
- Slave doors cannot open without activating mechanical interlock but can close in any order
- Universal opening on either the right side flange or the center post will accommodate most disconnect operators when used with operator adapters, (order separately) see page 445
- Print pocket provided
- Doors have a fixed, oil-resistant gasket
- Ground studs provided on door
- Lighting mounting channel provided
- Removable center post allows for easy access and panel installation
- Heavy-gauge angle supports and .375-16 collar studs are provided for optional panel mounting
- Large lifting eyebolts are supplied
- Mounting legs are provided for floor mounting

Discount Schedule: C2

Subclass: D00

Important Note

When ordering flange or center-mounted disconnect enclosures, be sure to include all the necessary components.

1. A flange or center-mounted enclosure
2. A panel (optional)
3. Operator adapter plates **MUST** be ordered for the specific brand and type of disconnect being used, (see page 445)

Disconnect switch (or circuit breaker), operating handle and operating mechanism are not furnished with enclosure, see disconnect ordering information, pages 311 - 319.

Notes: Cooper B-Line can provide special sizes, finishes and other modifications. Consult the factory for your special requirements

Disconnect Enclosures

Ground-Mount Enclosures Type 12 Center & Flange-Mount Floor-Standing with 3-Point Locking Catalog Number

Disconnect Encl.

Center-Mounted

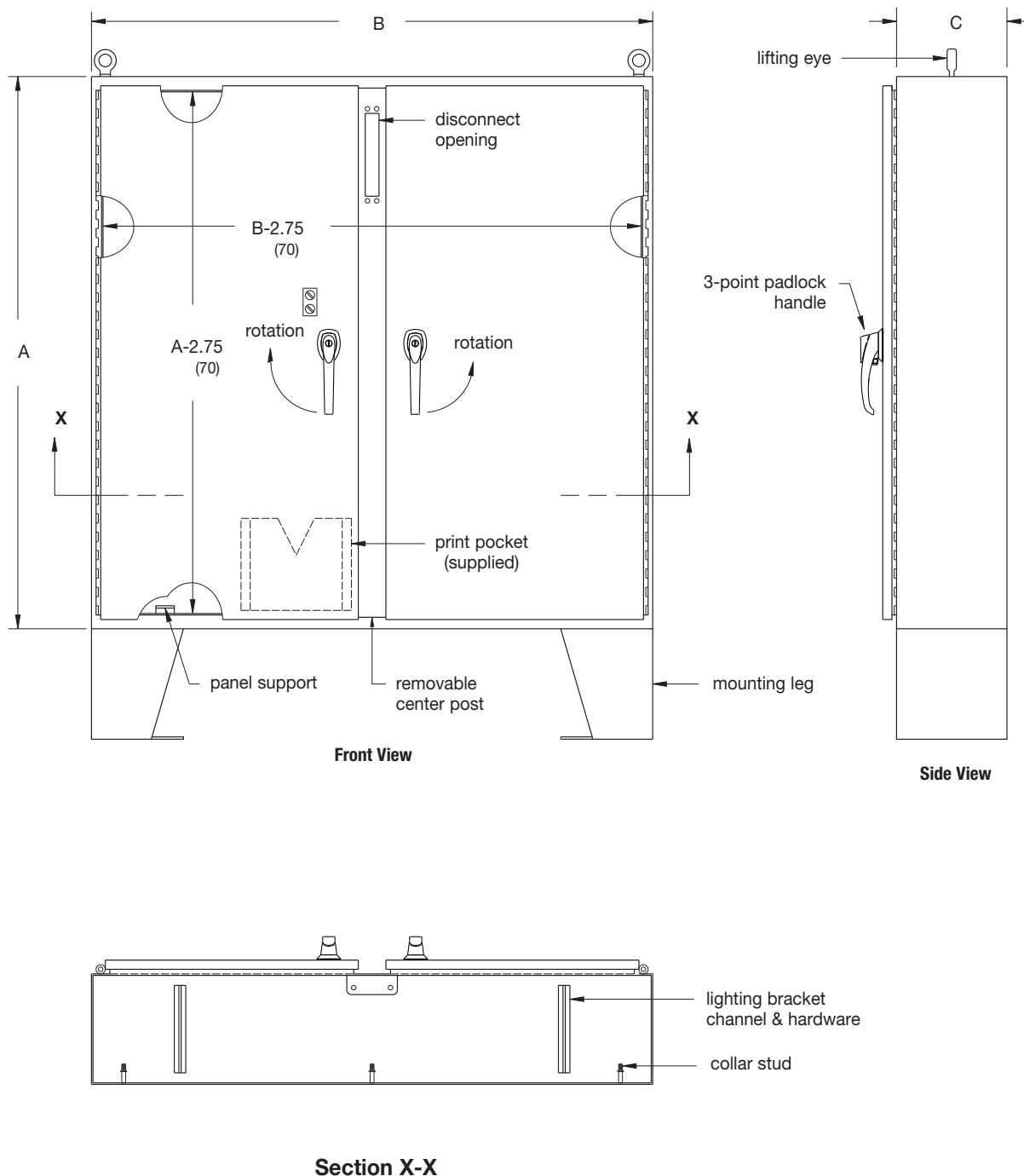
Enclosure Catalog Number	Enclosure Size Height x Width x Depth A x B x C		Panel Catalog Number	Panel Size Height x Width	
	in.	mm		in.	mm
CD604812-12FD	60.00 x 48.12 x 12.00	1524 x 1222 x 305	AW6048P	55.87 x 43.87	1419 x 1114
CD606012-12FD	60.00 x 60.12 x 12.00	1524 x 1527 x 305	AW6060P	55.87 x 55.87	1419 x 1419
CD726012-12FD	72.00 x 60.12 x 12.00	1829 x 1527 x 305	AW7260P	67.87 x 55.87	1724 x 1419
CD727212-12FD	72.00 x 72.12 x 12.00	1829 x 1832 x 305	AW7272P	67.87 x 67.87	1724 x 1419
CD727218-12FD	72.00 x 72.12 x 18.00	1829 x 1832 x 305	AW7272P	67.87 x 67.87	1724 x 1724

Flange-Mounted

Enclosure Catalog Number	Enclosure Size Height x Width x Depth A x B x C		Panel Catalog Number	Panel Size Height x Width	
	in.	mm		in.	mm
FD604912-12FD	60.00 x 49.00 x 12.00	1524 x 1245 x 305	AW6048P	55.87 x 43.87	1419 x 1114
FD606112-12FD	60.00 x 61.00 x 12.00	1524 x 1549 x 305	AW6060P	55.87 x 55.87	1419 x 1419
FD726112-12FD	72.00 x 61.00 x 12.00	1829 x 1549 x 305	AW7260P	67.87 x 55.87	1724 x 1419
FD727312-12FD	72.00 x 73.00 x 12.00	1829 x 1854 x 305	AW7272P	67.87 x 67.87	1724 x 1724
FD604918-12FD	60.00 x 49.00 x 18.00	1524 x 1245 x 457	AW6048P	55.87 x 43.87	1419 x 1114
FD606118-12FD	60.00 x 61.00 x 18.00	1524 x 1549 x 457	AW6060P	55.87 x 55.87	1419 x 1419
FD726118-12FD	72.00 x 61.00 x 18.00	1829 x 1549 x 457	AW7260P	67.87 x 55.87	1724 x 1419
FD727318-12FD	72.00 x 73.00 x 18.00	1829 x 1854 x 457	AW7272P	67.87 x 67.87	1724 x 1724
FD727324-12FD	72.00 x 73.00 x 24.00	1829 x 1854 x 610	AW7272P	67.87 x 67.87	1724 x 1724

Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Ground-Mount Enclosures Type 12 Center & Flange-Mount Floor-Standing with 3-Point Locking Illustration Sheet



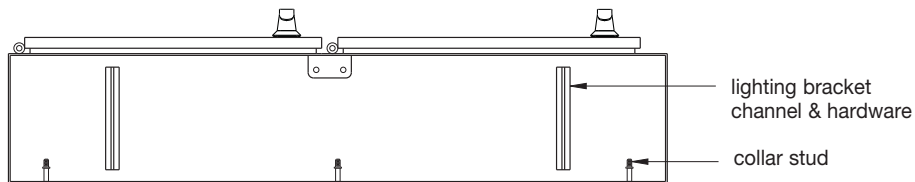
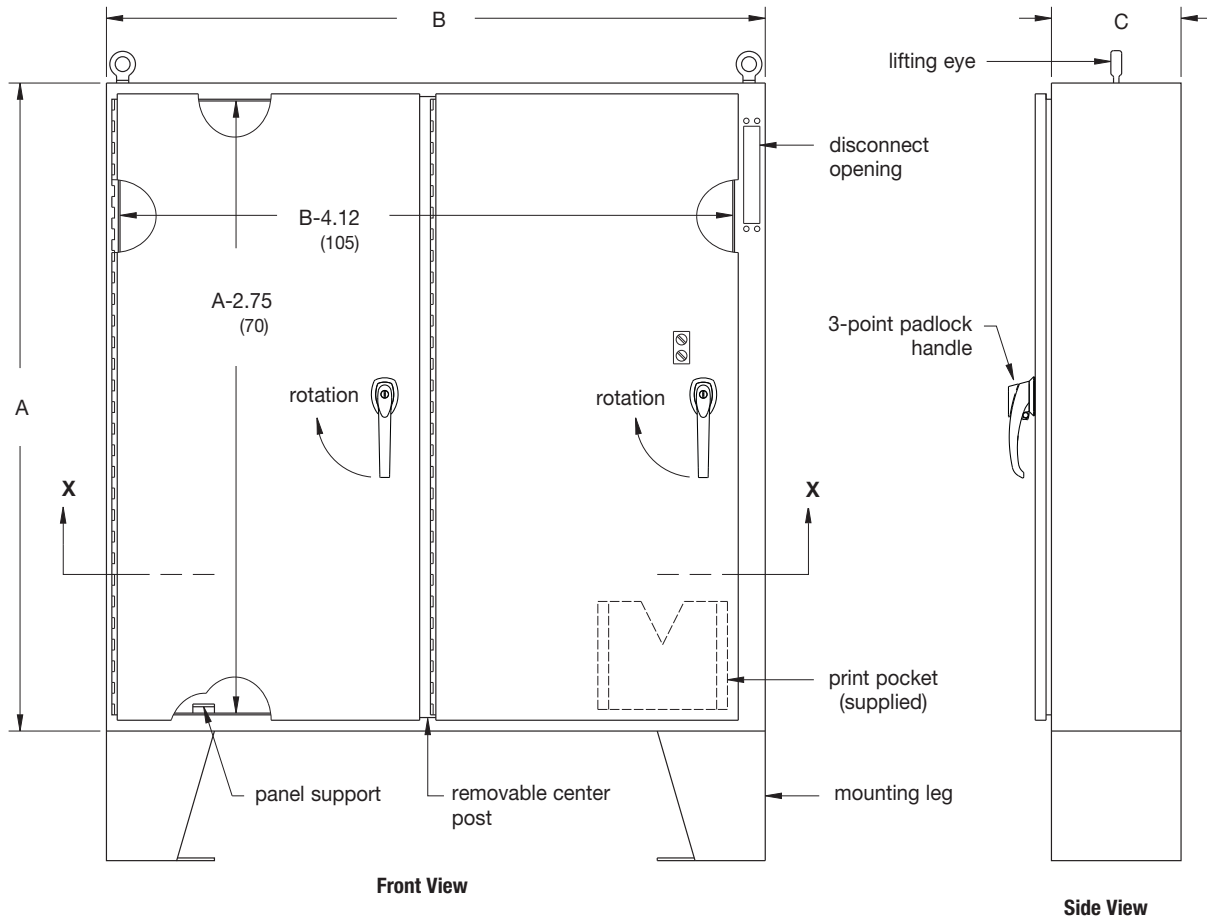
Disconnect Encl.

Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Disconnect Enclosures

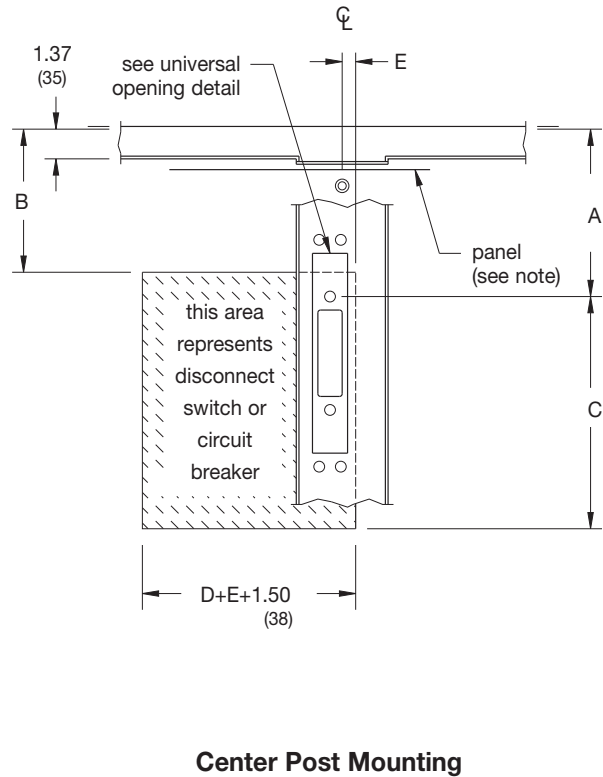
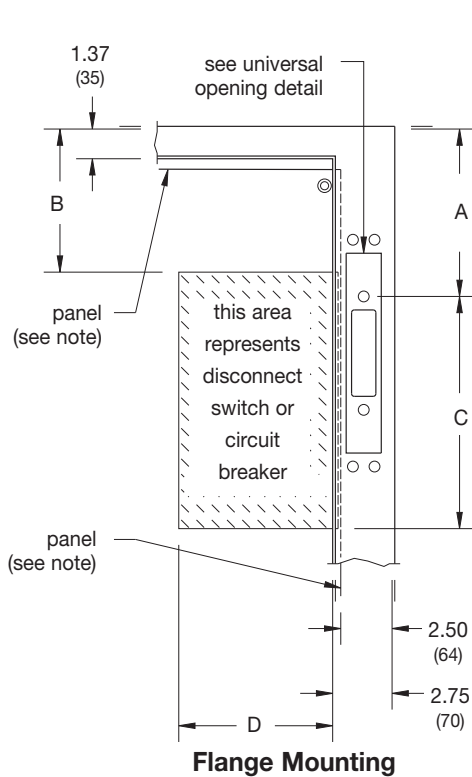
Ground-Mount Enclosures Type 12 Center & Flange-Mount Floor-Standing with 3-Point Locking Illustration Sheet

Disconnect Encl.



Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Ground-Mount Enclosures Type 12 Center & Flange-Mount Floor-Standing with 3-Point Locking Illustration Sheet



The dimensional information provided in these drawings is derived from information supplied by the manufacturer of the equipment to be installed. Fit and function of all equipment should be checked before and after installation to assure proper and safe operation and compliance with the applicable regulations, codes and standards.

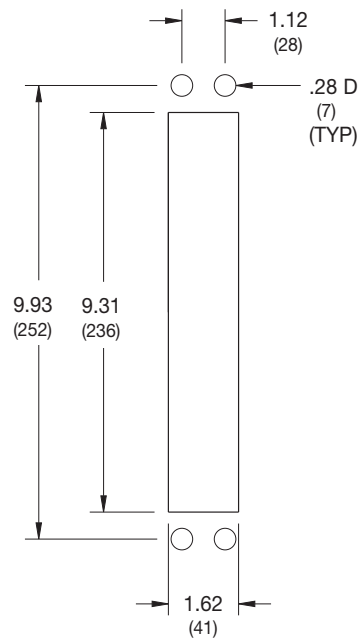
Universal opening must be filled with an operator adapter kit for the specific brand and type of disconnect being used, (see page 445).

Important Note

When ordering flange or center-mounted disconnect enclosures, be sure to include all the necessary components.

1. A flange or center-mounted enclosure
2. A panel (optional)
3. Operator adapter plates **MUST** be ordered for the specific brand and type of disconnect being used, (see page 445)

Disconnect switch (or circuit breaker), operating handle and operating mechanism are not furnished with enclosure, see disconnect ordering information, pages 311 - 319.



Universal Opening Detail

Notes: Refer to disconnect tables for associated dimensions. Panels are ordered separately. Refer to catalog table for size and ordering information. Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Disconnect Enclosures

Floor-Standing Enclosures

Disconnect Ordering Information

Allen-Bradley® †

1494V Disconnect Mechanism

Disconnect Encl.

Allen-Bradley† Mechanism for Switches	Amp	Fuse Clip Rating		Fuse Class	Enclosure Height								C		D ⁽¹⁾		E	
		Amp	Volt		60				72									
					A	B	A	B	A	B	A	B	in.	mm	in.	mm	in.	mm
DS30	30A	(non)	(non)	--	7.87	200	6.00	152	13.37	340	11.50	292	4.00	102	6.75	171	.25	6
DS30	30A	30A	250V	H,K,R	7.87	200	6.00	152	13.37	340	11.50	292	5.25	133	6.75	171	.25	6
DS30	30A	30A	600V	H,K,R	7.87	200	6.00	152	13.37	340	11.50	292	8.00	203	6.75	171	.25	6
DS30	30A	30A	600V	J	7.87	200	6.00	152	13.37	340	11.50	292	5.25	133	6.75	171	.25	6
DS30	30A	60A	250V	H,K	7.87	200	6.00	152	13.37	340	11.50	292	6.00	152	6.75	171	.25	6
DS30	30A	60A	600V	H,K	7.87	200	6.00	152	13.37	340	11.50	292	8.50	216	6.75	171	.25	6
DS30	30A	60A	600V	J	7.87	200	6.00	152	13.37	340	11.50	292	5.50	140	6.75	171	.25	6
DS60	60A	(non)	(non)	--	7.87	200	5.87	149	13.37	340	11.37	289	4.00	102	6.75	171	.25	6
DS60	60A	30A	600V	H,K,R	7.87	200	5.87	149	13.37	340	11.37	289	8.00	203	6.75	171	.25	6
DS60	60A	60A	250V	H,K,R	7.87	200	5.87	149	13.37	340	11.37	289	6.00	152	6.75	171	.25	6
DS60	60A	60A	600V	H,K,R	7.87	200	5.87	149	13.37	340	11.37	289	8.50	216	6.75	171	.25	6
DS60	60A	60A	600V	J	7.87	200	5.87	149	13.37	340	11.37	289	5.50	140	6.75	171	.25	6
DS60	60A	100A	250V	H,K	7.87	200	5.87	149	13.37	340	11.37	289	8.50	216	6.75	171	.25	6
DS60	60A	100A	600V	H,K	7.87	200	5.87	149	13.37	340	11.37	289	10.50	267	6.75	171	.25	6
DS60	60A	100A	600V	J	7.87	200	5.87	149	13.37	340	11.37	289	7.25	184	6.75	171	.25	6
DS100	100A	(non)	(non)	--	7.87	200	4.37	111	13.37	340	9.87	251	4.75	121	8.00	203	.25	6
DS100	100A	100A	250V	H,K,R	7.87	200	4.37	111	13.37	340	9.87	251	10.50	267	8.00	203	.25	6
DS100	100A	100A	600V	H,K,R	7.87	200	4.37	111	13.37	340	9.87	251	12.50	318	8.00	203	.25	6
DS100	100A	100A	600V	J	7.87	200	4.37	111	13.37	340	9.87	251	9.25	235	8.00	203	.25	6
DS100	100A	200A	250V	H,K	7.87	200	4.37	111	13.37	340	9.87	251	11.25	286	8.00	203	.25	6
DS100	100A	200A	600V	H,K	7.87	200	4.37	111	13.37	340	9.87	251	13.75	349	8.00	203	.25	6
DS100	100A	200A	600V	J	7.87	200	4.37	111	13.37	340	9.87	251	10.00	254	8.00	203	.25	6
DS200	200A	(non)	(non)	--	*	*	*	*	11.93	303	7.50	191	10.00	254	11.00	279	.25	6
DS200	200A	200A	250V	H,K,R	*	*	*	*	11.93	303	7.50	191	15.00	381	11.00	279	.25	6
DS200	200A	200A	600V	H,K,R	*	*	*	*	11.93	303	7.50	191	17.25	438	11.00	279	.25	6
DS200	200A	200A	600V	J	*	*	*	*	11.93	303	7.50	191	13.50	343	11.00	279	.25	6
DS200	200A	400A	250V	H,K	*	*	*	*	11.93	303	7.50	191	15.75	400	11.00	279	.25	6
DS200	200A	400A	600V	H,K	*	*	*	*	11.93	303	7.50	191	18.75	476	11.00	279	.25	6
DS200	200A	400A	600V	J	*	*	*	*	11.93	303	7.50	191	14.25	362	11.00	279	.25	6

Allen-Bradley† Mechanism for Circuit Breakers	Amp	Circuit Breaker Type		Enclosure Height								C		D ⁽¹⁾		E	
		Manufacturer	Frame(s)	60				72									
				in.	A	mm	B	in.	A	mm	B	in.	mm	in.	mm	in.	mm
M40	150A	General Electric	TED,THED,TEC	7.87	200	7.25	184	13.37	340	12.75	324	5.75	146	4.75	121	.25	6
M40	150A	Westinghouse	F (series C)	7.87	200	7.25	184	13.37	340	12.75	324	5.00	127	4.75	121	.25	6
M50	250A	Westinghouse	J (series C)	7.87	200	6.87	174	13.37	340	12.37	324	9.75	248	5.00	127	.25	6
M60	400A	Westinghouse	K (series C)	*	*	*	*	13.37	340	12.37	324	9.75	248	6.25	159	.25	6

* Do not install disconnects in this height enclosure.

(1) Dimension "D" does not include space for auxiliary switches.

The dimensional information provided in this table is derived from information supplied by the manufacturer of the equipment to be installed. Fit and function of all equipment should be checked before and after installation to assure proper and safe operation and compliance with the applicable regulations, codes and standards.

† Marks are the property of their respective owners.

Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Floor-Standing Enclosures

Disconnect Ordering Information

Allen-Bradley® †

1494F Disconnect Mechanism

Disconnect Encl.

Allen-Bradley [†] Mechanism Switches	Amp	Fuse Clip Rating		Fuse Class	Enclosure Height								C		D ⁽¹⁾		E	
		Amp	Volt		60				72									
					A		B		A		B							
		in.	mm		in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm
N30	30A	(non)	(non)	--	5.87	149	5.37	136	11.37	289	10.87	276	4.75	121	6.50	165	.75	19
NF30	30A	30A	250V	H,K,R	5.87	149	5.37	136	11.37	289	10.87	276	6.50	165	6.50	165	.75	19
NF30	30A	30A	600V	H,K,R	5.87	149	5.37	136	11.37	289	10.87	276	9.25	235	6.50	165	.75	19
NF30	30A	30A	600V	J	5.87	149	5.37	136	11.37	289	10.87	276	6.50	165	6.50	165	.75	19
NF30	30A	60A	250V	H,K,R	5.87	149	5.37	136	11.37	289	10.87	276	7.25	184	6.50	165	.75	19
NF30	30A	60A	600V	H,K,R	5.87	149	5.37	136	11.37	289	10.87	276	9.75	248	6.50	165	.75	19
NF30	30A	60A	600V	J	5.87	149	5.37	136	11.37	289	10.87	276	6.75	171	6.50	165	.75	19
N60	60A	(non)	(non)	--	5.87	149	4.62	117	11.37	289	10.12	257	4.75	121	6.50	165	.75	19
NF60	60A	30A	600V	H,K,R	5.87	149	4.62	117	11.37	289	10.12	257	10.50	267	6.50	165	.75	19
NF60	60A	60A	250V	H,K,R	5.87	149	4.62	117	11.37	289	10.12	257	8.50	216	6.50	165	.75	19
NF60	60A	60A	600V	H,K,R	5.87	149	4.62	117	11.37	289	10.12	257	11.00	279	6.50	165	.75	19
NF60	60A	60A	600V	J	5.87	149	4.62	117	11.37	289	10.12	257	7.75	197	6.50	165	.75	19
NF60	60A	100A	250V	H,K,R	5.87	149	4.62	117	11.37	289	10.12	257	11.00	279	6.50	165	.75	19
NF60	60A	100A	600V	H,K,R	5.87	149	4.62	117	11.37	289	10.12	257	13.00	330	6.50	165	.75	19
NF60	60A	100A	600V	J	5.87	149	4.62	117	11.37	289	10.12	257	9.75	248	6.50	165	.75	19
N100	100A	(non)	(non)	--	*	*	*	*	11.37	289	8.25	210	4.75	121	7.25	184	.75	19
NF100	100A	100A	250V	H,K,R	*	*	*	*	11.37	289	8.25	210	11.50	292	7.50	191	.75	19
NF100	100A	100A	600V	H,K,R	*	*	*	*	11.37	289	8.25	210	13.50	343	7.50	191	.75	19
NF100	100A	100A	600V	J	*	*	*	*	11.37	289	8.25	210	10.25	260	7.50	191	.75	19
NF100	100A	200A	250V	H,K,R	*	*	*	*	11.37	289	8.25	210	12.25	311	7.75	197	.75	19
NF100	100A	200A	600V	H,K,R	*	*	*	*	11.37	289	8.25	210	14.75	375	7.75	197	.75	19
NF100	100A	200A	600V	J	*	*	*	*	11.37	289	8.25	210	11.00	279	7.75	197	.75	19
N200	200A	(non)	(non)	--	*	*	*	*	10.06	256	6.62	210	7.25	184	10.50	267	.75	19
NF200	200A	200A	250V	H,K,R	*	*	*	*	10.06	256	6.62	168	15.00	381	10.50	267	.75	19
NF200	200A	200A	600V	H,K,R	*	*	*	*	10.06	256	6.62	168	17.50	445	10.50	267	.75	19
NF200	200A	200A	600V	J	*	*	*	*	10.06	256	6.62	168	13.75	349	10.50	267	.75	19
NF200	200A	400A	250V	H,K,R	*	*	*	*	10.06	256	6.62	168	16.50	419	11.00	279	.75	19
NF200	200A	400A	600V	H,K,R	*	*	*	*	10.06	256	6.62	168	19.50	495	11.00	279	.75	19
NF200	200A	400A	600V	J	*	*	*	*	10.06	256	6.62	168	15.00	381	11.00	279	.75	19

1494D Disconnect Mechanism

Allen-Bradley [†] Mechanism for Circuit Breakers	Amp	Circuit Breaker Type		Enclosure Height								C		D ⁽¹⁾		E	
		Manufacturer	Frame(s)	60				72									
				A		B		A		B							
		in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm
N4/N40	150A	General Electric	TED,THED,TEC	5.87	149	5.25	133	11.37	289	10.75	273	5.87	149	4.62	117	.75	19
N5/N55	225A	General Electric	TFK,THFK,TFC	5.87	149	4.50	114	11.37	289	10.00	254	8.87	225	4.75	121	.75	19
N4/N40	150A	Westinghouse	F (series C)	5.87	149	5.25	133	11.37	289	10.75	273	5.87	149	4.62	117	.75	19
N5/N50	250A	Westinghouse	J (series C)	5.87	149	4.50	114	11.37	289	10.00	254	8.87	225	4.75	121	.75	19
N5/N60	400A	Westinghouse	K (series C)	*	*	*	*	11.37	289	10.00	254	8.87	225	5.87	149	.75	19

* Do not install disconnects in this height enclosure.
 (1) Dimension "D" does not include space for auxiliary switches.

The dimensional information provided in this table is derived from information supplied by the manufacturer of the equipment to be installed. Fit and function of all equipment should be checked before and after installation to assure proper and safe operation and compliance with the applicable regulations, codes and standards.

† Marks are the property of their respective owners.

Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Disconnect Enclosures

Floor-Standing Enclosures

Disconnect Ordering Information

Cutler-Hammer †

Disconnect Encl.

C361 Disconnect Mechanism

Cutler-Hammer† Mechanism Switches	Amp	Fuse Clip Rating		Fuse Class	Enclosure Height								C		D		E	
		Amp	Volt		60				72									
					in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm		
NC	30A	(non)	(non)	--	7.87	200	6.50	165	13.37	340	12.00	305	4.75	121	6.25	1588	.25	6
SC21	30A	30A	250V	H,K,R	7.87	200	6.50	165	13.37	340	12.00	305	7.75	197	6.25	1588	.25	6
SC61	30A	30A	600V	H,K,R	7.87	200	6.50	165	13.37	340	12.00	305	7.75	197	6.25	1588	.25	6
SC61	30A	30A	600V	J	7.87	200	6.50	165	13.37	340	12.00	305	7.75	197	6.25	1588	.25	6
SC61	30A	60A	250V	H,K,R	7.87	200	6.50	165	13.37	340	12.00	305	8.25	210	6.25	1588	.25	6
ND	60A	(non)	(non)	--	7.87	200	6.50	165	13.37	340	12.00	305	4.75	121	6.25	1588	.25	6
SD22	60A	30A	600V	J	7.87	200	6.50	165	13.37	340	12.00	305	7.75	197	6.25	1588	.25	6
SD22	60A	60A	250V	H,K,R	7.87	200	6.50	165	13.37	340	12.00	305	8.25	210	6.25	1588	.25	6
SD62	60A	60A	600V	H,K,R	7.87	200	6.50	165	13.37	340	12.00	305	8.25	210	6.25	1588	.25	6
SD62	60A	60A	600V	J	7.87	200	6.50	165	13.37	340	12.00	305	8.00	203	6.25	1588	.25	6
NE	100A	(non)	(non)	--	7.87	200	6.12	155	13.37	340	11.62	295	4.25	108	7.50	191	.25	6
SE263	100A	100A	250V	H,K,R	7.87	200	6.12	155	13.37	340	11.62	295	9.00	229	7.50	191	.25	6
SE263	100A	100A	600V	H,K,R	7.87	200	6.12	155	13.37	340	11.62	295	9.00	229	7.50	191	.25	6
SE263	100A	100A	600V	J	7.87	200	6.12	155	13.37	340	11.62	295	7.75	197	7.50	191	.25	6
NF (1)	200A	(non)	(non)	--	7.87	200	4.12	155	13.37	340	9.62	295	13.25	337	10.25	260	.25	6
SF264 (1)	200A	200A	250V	H,K,R	7.87	200	4.12	155	13.37	340	9.62	295	13.25	337	10.25	260	.25	6
SF264 (1)	200A	200A	600V	H,K,R	7.87	200	4.12	155	13.37	340	9.62	295	13.25	337	10.25	260	.25	6
SF264 (1)	200A	200A	600V	J	7.87	200	4.12	155	13.37	340	9.62	295	13.25	337	10.25	260	.25	6

C371 Disconnect Mechanism

Cutler-Hammer† Mechanism for Circuit Breakers	Amp	Circuit Breaker Type		Enclosure Height								C		D		E	
		Manufacturer	Frame(s)	60				72									
				in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm		
C371E	150A	Cutler-Hammer	HMCP,FS,FH	7.87	200	7.62	194	13.37	340	13.12	333	6.00	152	5.75	146	.25	6
C371F (1)	225A	Cutler-Hammer	HMCP,JS,JH,JL	7.87	200	7.50	191	13.37	340	13.00	330	11.00	279	8.25	210	.25	6
C371F (1)	400A	Cutler-Hammer	HMCP,KS,KH	7.87	200	7.00	178	13.37	340	12.50	318	9.75	248	8.25	210	.25	6
C371G (1)	600A	Cutler-Hammer	LS,LH	*	*	*	*	13.37	340	10.87	276	8.50	216	12.00	305	.25	6
C371E	150A	Westinghouse	F (series C)	7.87	200	7.62	194	13.37	340	13.12	333	6.00	152	5.75	146	.25	6
C371F (1)	250A	Westinghouse	J (series C)	7.87	200	7.50	191	13.37	340	13.00	330	9.00	229	8.25	210	.25	6
C371F (1)	400A	Westinghouse	K (series C)	7.87	200	7.00	178	13.37	340	12.50	318	9.75	248	8.25	210	.25	6
C371G (1)	600A	Westinghouse	LA,LC	*	*	*	*	13.37	340	10.87	276	8.50	216	12.00	305	.25	6

* Do not install disconnects in this height enclosure.

(1) Wire bending space "B" does not allow the maximum size cable in 60H enclosures.

(2) Wire bending space "B" does not allow the maximum size cable in 72H enclosures.

The dimensional information provided in this table is derived from information supplied by the manufacturer of the equipment to be installed. Fit and function of all equipment should be checked before and after installation to assure proper and safe operation and compliance with the applicable regulations, codes and standards.

† Marks are the property of their respective owners.

Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Floor-Standing Enclosures Disconnect Ordering Information General Electric® †

TDA Disconnect Mechanism

General Electric† Mechanism for Switches	Amp	Fuse Clip Rating		Fuse Class	Enclosure Height								C		D		E	
		Amp	Volt		60				72									
					A		B		A		B							
					in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm
TDOM1A	30A	(non)	(non)	--	7.87	200	8.37	213	13.37	340	13.87	340	7.00	178	5.50	140	.25	6
TDOM1A	30A	30A	250V	H,R	7.87	200	8.37	213	13.37	340	13.87	340	7.00	178	5.50	140	.25	6
TDOM1B	30A	30A	600V	H,R	7.87	200	8.37	213	13.37	340	13.87	340	11.50	292	5.50	140	.25	6
TDOM1B	30A	60A	250V	H,R	7.87	200	8.37	213	13.37	340	13.87	340	11.50	292	5.50	140	.25	6
TDOM1B	30A	60A	600V	H,R	7.87	200	8.37	213	13.37	340	13.87	340	11.50	292	5.50	140	.25	6
TDOM1A	60A	(non)	(non)	--	7.87	200	8.37	213	13.37	340	13.87	340	7.00	178	5.50	140	.25	6
TDOM1B	60A	60A	250V	H,R	7.87	200	8.37	213	13.37	340	13.87	340	11.50	292	5.50	140	.25	6
TDOM1B	60A	60A	600V	H,R	7.87	200	8.37	213	13.37	340	13.87	340	11.50	292	5.50	140	.25	6
TDOM1B	60A	100A	250V	H,R	7.87	200	8.37	213	13.37	340	13.87	340	11.50	292	5.50	140	.25	6
TDOM1B	60A	100A	600V	H,R	7.87	200	8.37	213	13.37	340	13.87	340	11.50	292	5.50	140	.25	6
TDOM1A	100A	(non)	(non)	--	7.87	200	8.37	213	13.37	340	13.87	340	7.00	178	5.50	140	.25	6
TDOM1B	100A	100A	250V	H,R	7.87	200	8.37	213	13.37	340	13.87	340	11.50	292	5.50	140	.25	6
TDOM1B	100A	100A	600V	H,R	7.87	200	8.37	213	13.37	340	13.87	340	11.50	292	5.50	140	.25	6
TDOM1B	100A	200A	250V	H,R	7.87	200	8.37	213	13.37	340	13.87	340	11.50	292	5.50	140	.25	6
TDOM1B	100A	200A	600V	H,R	7.87	200	8.37	213	13.37	340	13.87	340	11.50	292	5.50	140	.25	6
TDOM2	200A	(non)	(non)	--	7.87	200	5.75	146	13.37	340	11.25	286	7.00	178	9.25	235	.25	6
TDOM2	200A	200A	250V	H,R	7.87	200	5.75	146	13.37	340	11.25	286	15.50	394	9.25	235	.25	6
TDOM2	200A	200A	600V	H,R	7.87	200	5.75	146	13.37	340	11.25	286	15.50	394	9.25	235	.25	6
General Electric† Mechanism for Circuit Breakers	Amp	Circuit Breaker Type		Enclosure Height								C		D		E		
		Amp	Type	60				72										
				A		B		A		B								
				in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	
TDOM1A	150A	TEB,TEC,TED,THED	7.87	200	7.25	184	13.37	340	12.75	324	7.00	178	5.50	140	.25	6		
TDOM1B	150A	TB1,TEC,TECL	7.87	200	7.25	184	13.37	340	12.75	324	11.50	292	5.50	140	.25	6		
TDOM1C	150A	TEL	7.87	200	7.25	184	13.37	340	12.75	324	7.00	178	5.50	140	.25	6		
TDOM1D	150A	THCL1	7.87	200	5.87	149	13.37	340	11.37	289	7.00	178	5.50	140	.25	6		
TDOM3	225A	TFJ,TFK,THFK,TFL	7.87	200	6.87	174	13.37	340	12.37	314	10.50	267	6.00	152	.25	6		
TDOM4	400A	TJJ,TJK4,THJK4,TJL4V	*	*	*	*	13.37	340	11.50	292	8.25	210	9.50	241	.25	6		
TDOM4	600A	TJK6,THJK6,TJ4V,TJL4V	*	*	*	*	13.37	340	11.50	292	8.25	210	9.50	241	.25	6		
TDOM5	400A	TB4,TJH6S	*	*	*	*	13.37	340	11.50	292	14.25	362	9.50	241	.25	6		
TDOM6	225A	TLB2,THLC2	*	*	*	*	13.37	340	10.87	276	11.75	298	9.50	241	.25	6		
TDOM6	400A	TLB4,THLC4	*	*	*	*	13.37	340	9.50	241	11.75	298	9.50	241	.25	6		

* Do not install disconnects in this height enclosure.

The dimensional information provided in this table is derived from information supplied by the manufacturer of the equipment to be installed. Fit and function of all equipment should be checked before and after installation to assure proper and safe operation and compliance with the applicable regulations, codes and standards.

† Marks are the property of their respective owners.

Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Disconnect Enclosures

Floor-Standing Enclosures

Disconnect Ordering Information

I-T-E Siemens® †

MAX-FLEX † Disconnects

Disconnect Encl.

Enclosure	Cable	I-T-E† Mechanism Circuit Breakers	Circuit Breaker Frame	Amp	Device		Enclosure Height						C ⁽¹⁾						D ⁽²⁾			
					Height		60		72		nom		min		max		min		max			
					in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm		
12	36	FHOE036	ED	125A	6.37	162	7.87	200	13.37	340	5.37	136	-5.37	-136	15.43	392	3.00	76	14.00	356		
	36	FHOE036	CED	125A	9.62	244	7.87	200	13.37	340	8.50	216	-2.00	-51	18.75	476	3.00	76	14.00	356		
	36	FHOF036	FD	250A	9.50	241	7.87	200	13.37	340	5.62	143	-5.00	-127	15.75	400	4.50	114	12.50	318		
	36	FHOF036	CFD	250A	14.12	349	7.87	200	13.37	340	10.25	260	-.25	-6	20.50	521	4.50	114	12.50	318		
	36	FHOJ036	JD,LD	400A, 600A	11.00	279	7.87	200	13.37	340	5.25	133	-5.43	-138	15.37	390	7.50	191	14.00	356		
	36	FHOJ036	CJD	400A, 600A	17.87	454	7.87	200	13.37	340	12.12	308	1.50	38	22.25	565	7.50	191	14.00	356		
18	36	FHOE036	ED	125A	6.37	162	7.87	200	13.37	340	5.37	136	-2.75	-70	13.50	343	3.00	76	9.75	248		
	36	FHOE036	CED	125A	9.62	244	7.87	200	13.37	340	8.50	216	.62	16	16.87	428	3.00	76	9.75	248		
	36	FHOF036	FD	250A	9.50	241	7.87	200	13.37	340	5.62	143	2.43	62	13.87	352	4.50	114	8.50	216		
	36	FHOF036	CFD	250A	14.12	359	7.87	200	13.37	340	10.25	260	7.25	39	18.62	473	4.50	114	8.50	216		
	36	FHOJ036	JD,LD	400A, 600A	11.00	279	7.87	200	13.37	340	5.25	133	-2.87	-73	13.43	341	7.50	191	10.12	257		
	36	FHOJ036	CJD	400A, 600A	17.87	454	7.87	200	13.37	340	12.12	308	4.12	105	20.37	517	7.50	191	10.12	257		
12	48	*	ED	125A	6.37	162	7.87	200	13.37	340	5.37	136	-16.37	-416	27.50	699	3.00	76	26.37	670		
	48	*	CED	125A	9.62	244	7.87	200	13.37	340	8.50	216	-13.00	-330	30.87	784	3.00	76	26.37	670		
	48	*	FD	250A	9.50	241	7.87	200	13.37	340	5.62	143	-16.00	-406	27.87	708	4.50	114	24.87	632		
	48	*	CFD	250A	14.12	359	7.87	200	13.37	340	10.25	260	-11.25	-286	32.62	829	4.50	114	24.87	632		
	48	*	JD,LD	400A, 600A	11.00	279	7.87	200	13.37	340	5.25	133	-16.43	-417	27.43	697	7.50	191	26.37	670		
	48	*	CJD	400A, 600A	17.87	454	7.87	200	13.37	340	12.12	308	-9.50	-241	34.37	873	7.50	191	26.37	670		
	48	FHON048	MD,ND	800A, 1200A	16.00	406	7.87	200	13.37	340	8.12	206	-6.62	-168	21.93	557	9.00	229	20.50	521		
18	48	*	ED	125A	6.37	162	7.87	200	13.37	340	5.37	136	-15.37	-390	26.25	667	3.00	76	24.43	621		
	48	*	CED	125A	9.62	244	7.87	200	13.37	340	8.50	216	-12.00	-305	29.50	749	3.00	76	24.43	621		
	48	*	FD	250A	9.50	241	7.87	200	13.37	340	5.62	143	-15.00	-381	26.50	673	4.50	114	23.00	584		
	48	*	CFD	250A	14.12	359	7.87	200	13.37	340	10.25	260	-10.25	-260	30.37	771	4.50	114	23.00	584		
	48	*	JD,LD	400A, 600A	11.00	279	7.87	200	13.37	340	5.25	133	-15.43	-392	26.12	663	7.50	191	24.50	622		
	48	*	CJD	400A, 600A	17.87	454	7.87	200	13.37	340	12.12	308	-8.50	-216	33.00	838	7.50	191	24.50	622		
	48	FHON048	MD,ND	800A 1200A	16.00	406	7.87	200	13.37	340	8.12	206	-5.12	-130	21.43	544	9.00	229	20.50	521		
	48	*	ED	125A	6.37	162	7.87	200	13.37	340	5.37	136	-13.37	-340	23.25	591	3.00	76	20.62	524		
24	48	*	CED	125A	9.62	244	7.87	200	13.37	340	8.50	216	-10.00	-254	26.50	673	3.00	76	20.62	524		
	48	*	FD	250A	9.50	241	7.87	200	13.37	340	5.62	143	-13.00	-330	23.50	597	4.50	114	19.37	492		
	48	*	CFD	250A	14.12	359	7.87	200	13.37	340	10.25	260	-8.25	-210	28.37	721	4.50	114	19.37	492		
	48	*	JD,LD	400A, 600A	11.00	279	7.87	200	13.37	340	5.25	133	-13.43	-341	23.12	587	7.50	191	20.93	532		
	48	*	CJD	400A, 600A	17.87	454	7.87	200	13.37	340	12.12	308	-6.50	-165	30.00	762	7.50	191	20.93	532		
	48	FHON048	MD,ND	800A, 1200A	16.00	406	7.87	200	13.37	340	8.12	206	-3.12	-79	19.93	506	9.00	229	20.50	521		

I-T-E SIEMENS®† MAX-FLEX† Disconnect Mechanism

Disconnect Mechanism	Cable Length	Circuit Breaker Types	
		Model	Description
FHOE036	36	ED2, ED4, ED6, HED4, HED6, ED6ETI	
FHOE036	36	CED6, CED6ETI	
FHOF036	36	FD6, FXD6, HFD6, FXD6ETI	
FHOF036	36	CFD6, CFD6ETI	
FHOJ036	36	JD2, JD6, JXD6, HJD6, JXD6ETI, LD6,LXD6, HLD6, LXD6ETI, SHJD6, SLD6,SHLD6	
FHOJ036	36	CJD6, CJD6ETI, CLD6, CLD6ETI,SCJD6,SCLD6	
FHON048	48	MD6, HMD6, CMD6, MXD6ETI, CMD6ETI, SMD6, SHMD6, SCMD6, ND6, HND6, CND6, SND6, SCND6	

* Non-standard mechanism with 48 inch operating cable must be specified.

(1) Flexible operating cable allows disconnect to be mounted within min and max of "C" dimension when "D" is minimum.

(2) Flexible operating cable allows disconnect to be mounted within min and max of "D" dimension when "C" is nominal.

The dimensional information provided in this table is derived from information supplied by the manufacturer of the equipment to be installed. Fit and function of all equipment should be checked before and after installation to assure proper and safe operation and compliance with the applicable regulations, codes and standards.

† Marks are the property of their respective owners.

Notes: Refer to detail sheet for drawing information and associated dimensions. Flexible cable allows for variable disconnect mounting and adequate wire bending space must be maintained. Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Floor-Standing Enclosures Disconnect Ordering Information Square D® †

9422 Disconnect Mechanism

Disconnect Encl.

Square D† Mechanism for Switches	Amp	Fuse Clip Rating		Fuse Class	Enclosure Height								C		D		E	
		Amp	Volt		60				72									
					A	B	A	B	A	B	in.	mm	in.	mm	in.	mm		
RC-1	30A	(non)	(non)	--	7.87	200	7.75	197	13.37	340	13.18	335	3.25	83	7.25	184	.25	6
RC-2	30A	30A	250V	H,K,R	7.87	200	7.75	197	13.37	340	13.18	335	5.00	127	7.25	184	.25	6
RC-3	30A	30A	600V	H,K,R	7.87	200	7.75	197	13.37	340	13.18	335	8.00	203	7.25	184	.25	6
RC-3	30A	30A	600V	J	7.87	200	7.75	197	13.37	340	13.18	335	5.00	127	7.25	184	.25	6
RC-3	30A	60A	250V	H,K,R	7.87	200	7.75	197	13.37	340	13.18	335	6.00	152	7.25	184	.25	6
TC-1	30A	(non)	(non)	--	7.87	200	5.87	149	13.37	340	11.37	289	5.75	146	6.25	159	.25	6
TC-2	30A	30A	250V	H,K,R	7.87	200	5.87	149	13.37	340	11.37	289	5.75	146	6.25	159	.25	6
TC-3	30A	30A	600V	H,K,R	7.87	200	5.87	149	13.37	340	11.37	289	7.75	197	6.25	159	.25	6
TC-3	30A	30A	600V	J	7.87	200	5.87	149	13.37	340	11.37	289	5.75	146	6.25	159	.25	6
TC-3	30A	60A	250V	H,K,R	7.87	200	5.87	149	13.37	340	11.37	289	6.00	152	6.25	159	.25	6
TD-1	60A	(non)	(non)	--	7.87	200	6.75	171	13.37	340	12.25	311	6.50	165	6.75	171	.25	6
TD-2	60A	30A	600V	H,K,R	7.87	200	6.75	171	13.37	340	12.25	311	8.50	216	6.75	171	.25	6
TD-2	60A	60A	250V	H,K,R	7.87	200	6.75	171	13.37	340	12.25	311	6.50	165	6.75	171	.25	6
TD-3	60A	60A	600V	H,K,R	7.87	200	6.75	171	13.37	340	12.25	311	9.00	229	6.75	171	.25	6
TD-3	60A	60A	600V	J	7.87	200	6.75	171	13.37	340	12.25	311	6.50	165	6.75	171	.25	6
TE-1	100A	(non)	(non)	--	7.87	200	6.50	165	13.37	340	12.00	305	4.75	121	8.50	216	.25	6
TE-2	100A	100A	250V	H,K,R	7.87	200	6.50	165	13.37	340	12.00	305	7.50	191	8.50	216	.25	6
TE-2	100A	100A	600V	H,K,R	7.87	200	6.50	165	13.37	340	12.00	305	9.50	241	8.50	216	.25	6
TE-2	100A	100A	600V	J	7.87	200	6.50	165	13.37	340	12.00	305	6.25	159	8.50	216	.25	6
TE-3	100A	200A	600V	J	7.87	200	6.50	165	13.37	340	12.00	305	13.75	349	8.50	216	.25	6
TF-1	200A	(non)	(non)	--	7.87	200	5.12	130	13.37	340	10.62	270	5.50	140	11.75	298	.25	6
TF-2	200A	200A	250V	H,K,R	7.87	200	5.12	130	13.37	340	10.62	270	11.50	292	11.75	298	.25	6
TF-2	200A	200A	600V	H,K,R	7.87	200	5.12	130	13.37	340	10.62	270	14.00	356	11.75	298	.25	6
TF-2	200A	200A	600V	J	7.87	200	5.12	130	13.37	340	10.62	270	10.25	260	11.75	298	.25	6
TF-3	200A	400A	600V	J	7.87	200	5.15	131	13.37	340	10.62	270	14.50	368	11.75	298	.25	6

Square D† Mechanism for Circuit Breakers	Amp	Circuit Breaker Type	Enclosure Height								C		D		E	
			60				72									
			A	B	A	B	A	B	in.	mm	in.	mm	in.	mm	in.	mm
RN-1	100A	FAL,FHL,FCL	7.87	200	6.87	174	13.37	340	12.37	314	5.25	133	5.50	140	.25	6
RP-1	250A	KAL,KHL,KCL	7.87	200	6.62	168	13.37	340	13.12	333	7.25	184	5.75	146	.25	6
RR-1	400A	LAL,LHL,Q4L	*	*	*	*	13.37	340	8.75	222	7.75	197	9.00	229	.25	6
RR-2	400A	ILL	*	*	*	*	13.37	340	13.12	333	11.00	279	15.75	400	.25	6

* Do not install disconnects in this height enclosure.

The dimensional information provided in this table is derived from information supplied by the manufacturer of the equipment to be installed. Fit and function of all equipment should be checked before and after installation to assure proper and safe operation and compliance with the applicable regulations, codes and standards.

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Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Disconnect Enclosures

Floor-Standing Enclosures Disconnect Ordering Information

ALLEN-BRADLEY †

Standard enclosure designed to accept variable depth type 1494V.

Allen-Bradley† 1494V disconnect switch:

1. Disconnect switch.
2. Operating mechanism.
3. Operating handle.
4. Fuse block kit, (if required).
5. Fuse clip kit, (if required).
6. Line and load connectors, (if necessary).
7. Connecting rod.

Allen-Bradley† 1494V circuit breaker:

1. Circuit breaker, (General Electric, Westinghouse).
2. Operating mechanism.
3. Operating handle.
4. Line and load connectors, (if necessary).
5. Connecting rod.

NOTE: Allen-Bradley support kit is recommended when 1494V devices are installed in 72 inch high center mounted enclosures.

Standard enclosures designed to accept fixed depth type 1494F or 1494D.

Allen-Bradley† 1494F disconnect switch:

1. Disconnect switch.
2. Operating mechanism.
3. Operating handle.
4. Fuse block kit, (if required).
5. Fuse clip kit, (if required).
6. Line and load connectors, (if necessary).

Allen-Bradley† 1494D circuit breaker:

1. Circuit breaker, (General Electric†, Westinghouse†).
2. Operating mechanism.
3. Operating handle.
4. Line and load connectors, (if necessary).
5. Slide mechanism.

CUTLER-HAMMER †

Standard enclosures designed to accept variable depth type C361 or C371.

Cutler-Hammer† C361 disconnect switch:

1. Disconnect switch.
2. Operating mechanism.
3. Operating handle.
4. Fuse clip kit, (if required).
5. Line and load connectors, (if necessary).

NOTE: Items 1, 2 and 3 can be ordered as an assembly.

Cutler-Hammer† C371 circuit breaker:

1. Circuit breaker, (Cutler-Hammer, Westinghouse).
2. Operating mechanism.
3. Operating handle.
4. Line and load connectors, (if necessary).

NOTE: Items 2 and 3 can be ordered as an assembly.

GENERAL ELECTRIC †

Standard enclosures designed to accept variable depth type TDA.

General Electric† TDA disconnect switch:

1. Disconnect Switch, (QMR, QMW).
2. Operating mechanism.
3. Operating handle TDA1.
4. Fuse clip kit or no-fuse kit, (if required).
5. Line and load connectors, (if necessary).
6. Extended length drive rod, (if required).

NOTE: These items can be ordered as an assembly.

General Electric† TDA circuit breaker:

1. Circuit breaker.
2. Operating mechanism.
3. Operating handle TDA1.
4. Line and load connectors, (if necessary).
5. Extended length drive rod, (if required).

NOTE: When TDOM1 and TDOM3 operating mechanism is used on 72 inch high center mounted enclosures a flange stiffener kit TDSR is recommended.

I-T-E SIEMENS †

Standard enclosures designed to accept MAX-FLEX† type FHO.

I-T-E† MAX-FLEX† circuit breaker:

1. Circuit breaker.
2. Operating mechanism.
3. Operating handle.
4. Line and load connectors, (if necessary).
5. Operating cable.

NOTE: Items 2, 3 and 5 can be ordered as an assembly, standard with a 36 inch long operating cable. All 24 inch enclosures require a 48 inch long cable.

† Marks are the property of their respective owners.

Notes: Data subject to change without notice.

Floor-Standing Enclosures

Disconnect Ordering Information

SQUARE D †

Standard enclosures designed to accept variable depth type 9422.

Square D† 9422 disconnect switch:

1. Disconnect switch.
2. Operating mechanism.
3. Operating handle.
4. Fuse Clip kit, (if required).
5. Line and load connectors, (if necessary).
6. Connecting rod.

NOTE: Square D support kit 9422-C1 is recommended when some devices are installed in 72 inch high center mounted enclosures.

Square D† 9422 circuit breaker:

1. Circuit breaker.
2. Operating mechanism.
3. Operating handle.
4. Line and load connectors, (if necessary).
5. Connecting rod.

NOTE: Square D support kit 9422-C1 is recommended when some devices are installed in 72 inch high enclosures.

Important Note

When ordering flange or center mounted disconnect equipment, be sure to include all necessary components listed below.

1. Enclosure includes the following equipment:
Enclosure door locking handle and rods
Door interlocking system
Interlocking connecting rod
Adjustable bracket, (see note 3)
2. Operator adapter plate, gasket and hardware for the type of disconnect device being used **MUST** be ordered separately (see page 445)
3. 24 inch deep enclosures include an adjustable bracket for mounting some disconnects:
Cutler-Hammer† C361 device
Cutler-Hammer† C371 E and F devices unless long connecting rod C371CS1 is specified
Cutler-Hammer† C371 G device unless long connecting rod C371CS2 is specified
General Electric† TDA device extended length rod TDSR is specified
Square D† 9422 device unless extra long connecting rod 9422-R2 is specified
Note: Some devices require two rods, consult the device manufacturer (Westinghouse AMT below handle device).
4. Panels are ordered separately.
5. Disconnects and related components are available from the manufacturer.
6. The disconnect ordering information provided is derived from information supplied by the manufacturer of the equipment to be installed. Fit and function of all equipment should be checked before and after installation to assure proper and safe operation and compliance with the applicable regulations, codes and standards.

† Marks are the property of their respective owners.

Notes: Data subject to change without notice.

Disconnect Enclosures

Ground-Mount Enclosures Type 12 Heavy-Duty Single & Multi-Door Flange-Mount Free-Standing with 3-Point Locking Data Sheet

Disconnect Encl.



Application

- Houses electrical controls and equipment
- Protects against circulating dust, falling dirt and dripping non-corrosive liquids

Standards

- UL 508 listed, Type 12
- CSA C22.2 No.94 certified, Type 12
- Conforms to NEMA standard for Type 12

Finish

- Wash and phosphate undercoat
- ANSI 61 gray polyester powder finish
- Panels have white enamel finish

Accessories

- Channel mounting hardware
- Blank adapter plates
- Operator adapters
- Touch-up paint
- Replacement handle, 11184A (see page 422).
- See Accessories Section

Discount Schedule: C2

Subclass: D00

Construction

- Enclosure and door are fabricated from (10) gauge steel
- All continuous welded seams are finished smooth
- Doors are secured to the body with a heavy-duty continuous hinge and a 3-point padlocking handle mechanism
- Right-side door serves as the master door with a defeater mechanism which requires a screwdriver to open
- Slave doors cannot open without activating mechanical interlock but can close in any order
- Universal opening on right-side flange will accommodate most disconnect operators when used with operator adapter, (order separately - see page 445)
- Doors have a fixed, oil-resistant gasket
- Ground stud provided on door
- Print pocket provided
- Lighting mounting channel provided
- Fixed center posts are supported from the front to back for enclosure rigidity
- Removable center post allows for easy access and panel installation
- Removable panels mounted on .375-16 collar studs and panel supports
- Large lifting eyebolts are supplied

Important Note

When ordering flange-mounted disconnect enclosures, be sure to include all the necessary components.

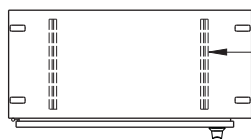
1. A flange-mounted disconnect enclosure
2. Operator adapter plates **MUST** be ordered for the specific brand and type of disconnect being used, (see page 445)

Disconnect switch (or circuit breaker), operating handle and operating mechanism are not furnished with enclosure, see disconnect ordering information, pages 326, 332 - 339.

Notes: Cooper B-Line can provide special sizes, finishes and other modifications. Consult the factory for your special requirements.

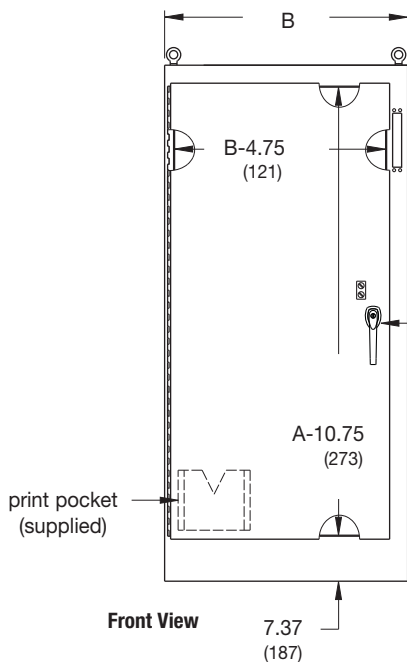
Ground-Mount Enclosures Type 12 Heavy-Duty Single-Door Flange-Mount Free-Standing with 3-Point Locking Illustration Sheet and Catalog Number

Enclosure Catalog Number	Enclosure Size Height x Width x Depth		Panel Size	
	A x B x C		Height x Width	
	in.	mm	in.	mm
FD722718-12FS	72.00 x 27.50 x 18.00	1829 x 699 x 457	60.00 x 21.75	1524 x 552
FD723318-12FS	72.00 x 33.50 x 18.00	1829 x 851 x 457	60.00 x 27.75	1524 x 705
FD723918-12FS	72.00 x 39.50 x 18.00	1829 x 1003 x 457	60.00 x 33.75	1524 x 857
FD843918-12FS	84.00 x 39.50 x 18.00	2134 x 1003 x 457	72.00 x 33.75	1829 x 857
FD903920-12FS	90.00 x 39.50 x 20.00	2286 x 1003 x 508	78.00 x 33.75	1981 x 857
FD903924-12FS	90.00 x 39.50 x 24.00	2286 x 1003 x 610	78.00 x 33.75	1981 x 857

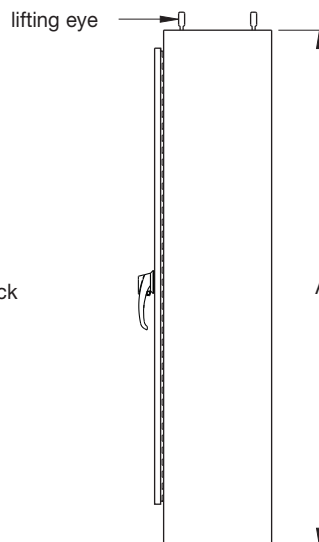


lighting bracket
channel & hardware

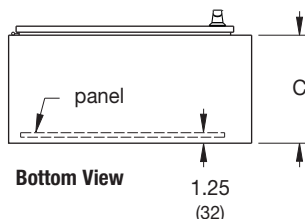
Top View



Front View



Side View



Bottom View

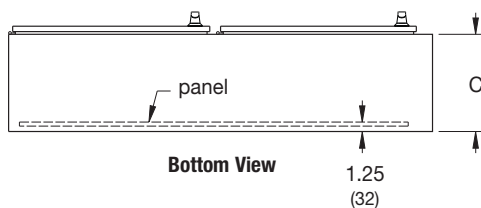
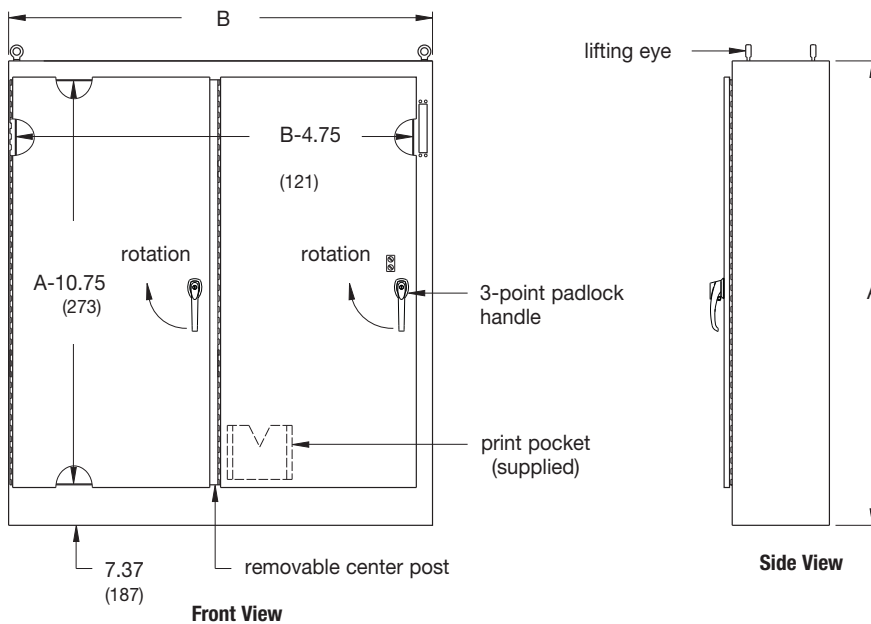
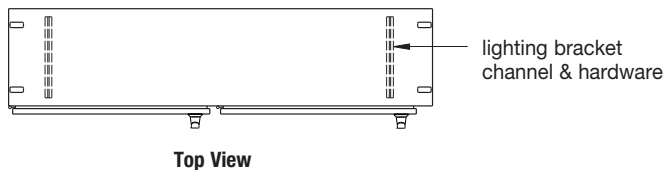
Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Disconnect Enclosures

Ground-Mount Enclosures Type 12 Heavy-Duty Double-Door Flange-Mount Free-Standing with 3-Point Locking Illustration Sheet and Catalog Number

Disconnect Encl.

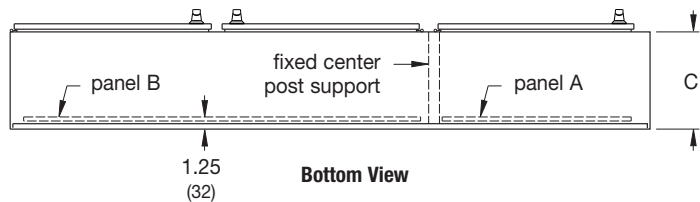
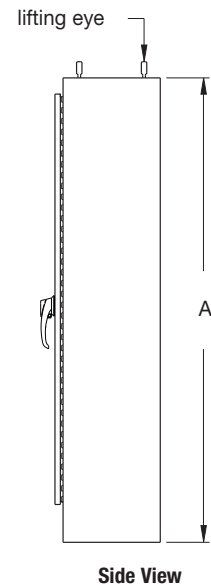
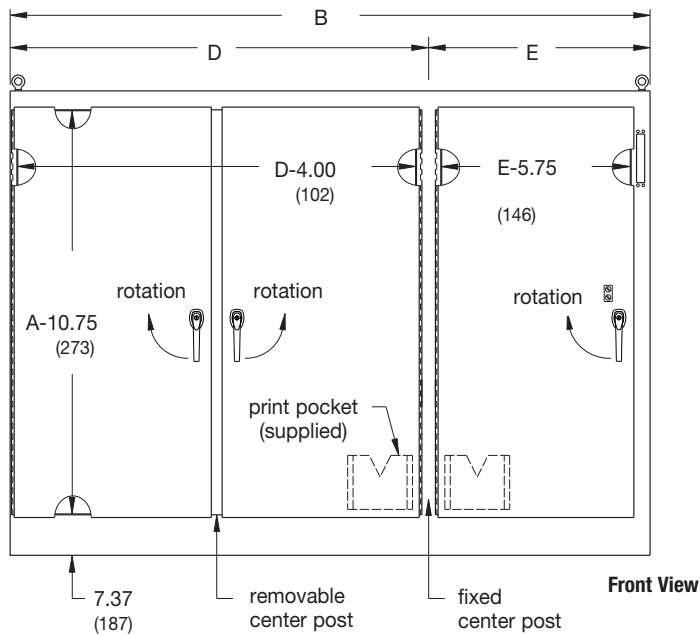
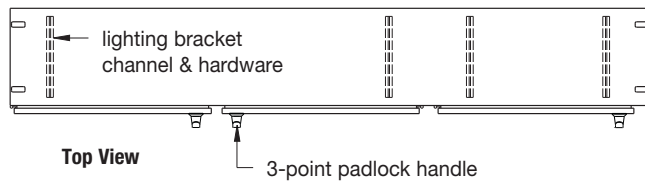
Enclosure Catalog Number	Enclosure Size Height x Width x Depth A x B x C		Panel Size Height x Width	
	in.	mm	in.	mm
	FD725318-12FS	72.00 x 53.75 x 18.00	1829 x 1365 x 457	60.00 x 48.00
FD726518-12FS	72.00 x 65.75 x 18.00	1829 x 1670 x 457	60.00 x 60.00	1524 x 1524
FD727718-12FS	72.00 x 77.75 x 18.00	1829 x 1975 x 457	60.00 x 72.00	1524 x 1829
FD727724-12FS	72.00 x 77.75 x 24.00	1829 x 1975 x 610	60.00 x 72.00	1524 x 1829
FD847718-12FS	84.00 x 77.75 x 18.00	2134 x 1975 x 457	72.00 x 72.00	1829 x 1829
FD907720-12FS	90.00 x 77.75 x 20.00	2286 x 1975 x 508	78.00 x 72.00	1981 x 1829
FD907724-12FS	90.00 x 77.75 x 24.00	2286 x 1975 x 610	78.00 x 72.00	1981 x 1829



Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Ground-Mount Enclosures Type 12 Heavy-Duty Three-Door Flange-Mount Free-Standing with 3-Point Locking Illustration Sheet and Catalog Number

Enclosure Catalog Number	Enclosure Size Height x Width x Depth A x B x C		D		E		Panel A Size Height x Width		Panel B Size Height x Width	
	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm
FD729918-12FS	72.00 x 99.50 x 18.00	1829 x 2527 x 457	65.00	1651	34.50	876	60.00 x 27.75	1524 x 705	60.00 x 60.00	1524 x 1524
FD8411718-12FS	84.00 x 117.50 x 18.00	2134 x 2985 x 457	77.00	1956	40.50	1029	72.00 x 33.75	1829 x 857	72.00 x 72.00	1829 x 1829
FD9011724-12FS	90.00 x 117.50 x 24.00	2286 x 2985 x 610	77.00	1956	40.50	1029	78.00 x 33.75	1981 x 857	78.00 x 72.00	1981 x 1829



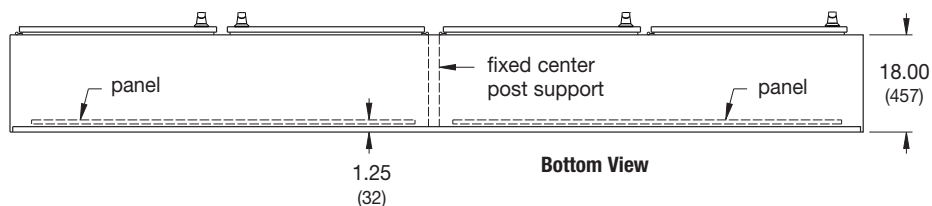
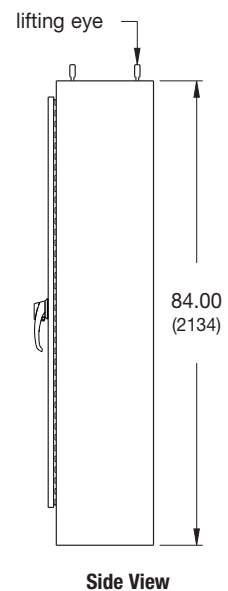
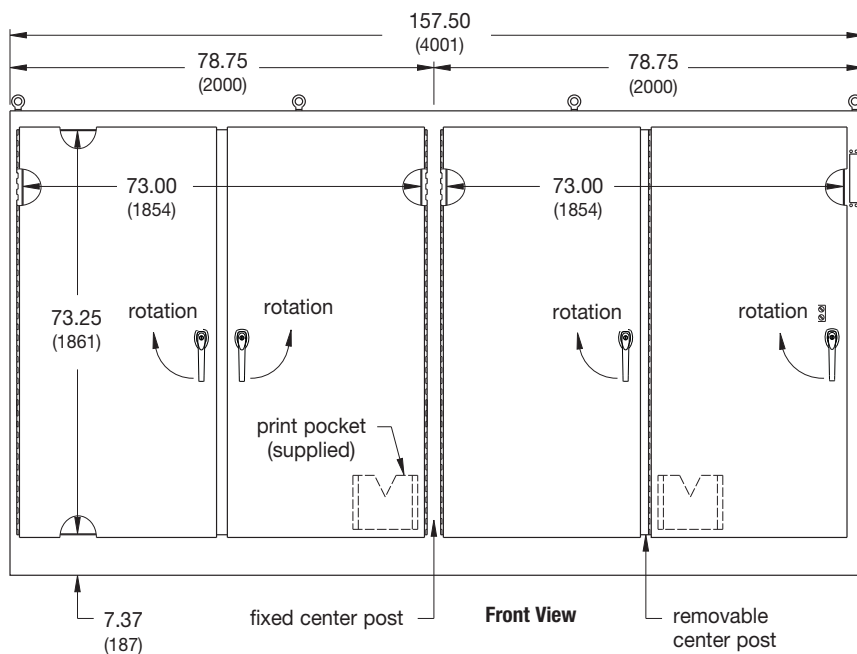
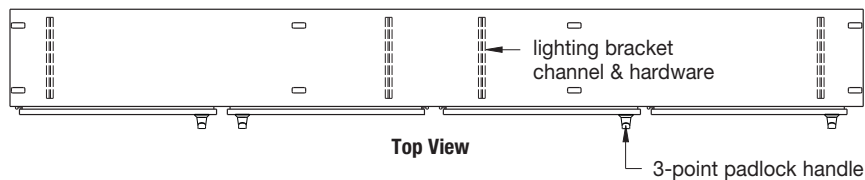
Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Disconnect Enclosures

Ground-Mount Enclosures Type 12 Heavy-Duty Four-Door Flange-Mount Free-Standing with 3-Point Locking Illustration Sheet and Catalog Number

Disconnect Encl.

Enclosure Catalog Number	Enclosure Size Height x Width x Depth		Panel Size Height x Width	
	in.	mm	in.	mm
FD8415718-12FS	84.00	157.50 x 18.00	72.00 x 72.00	1829 x 1829

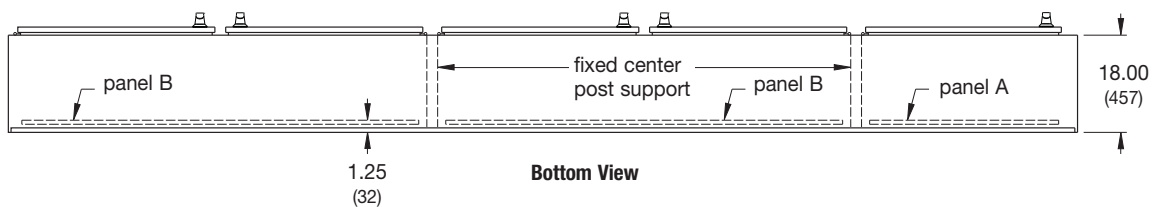
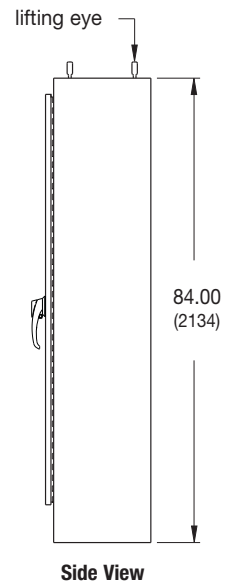
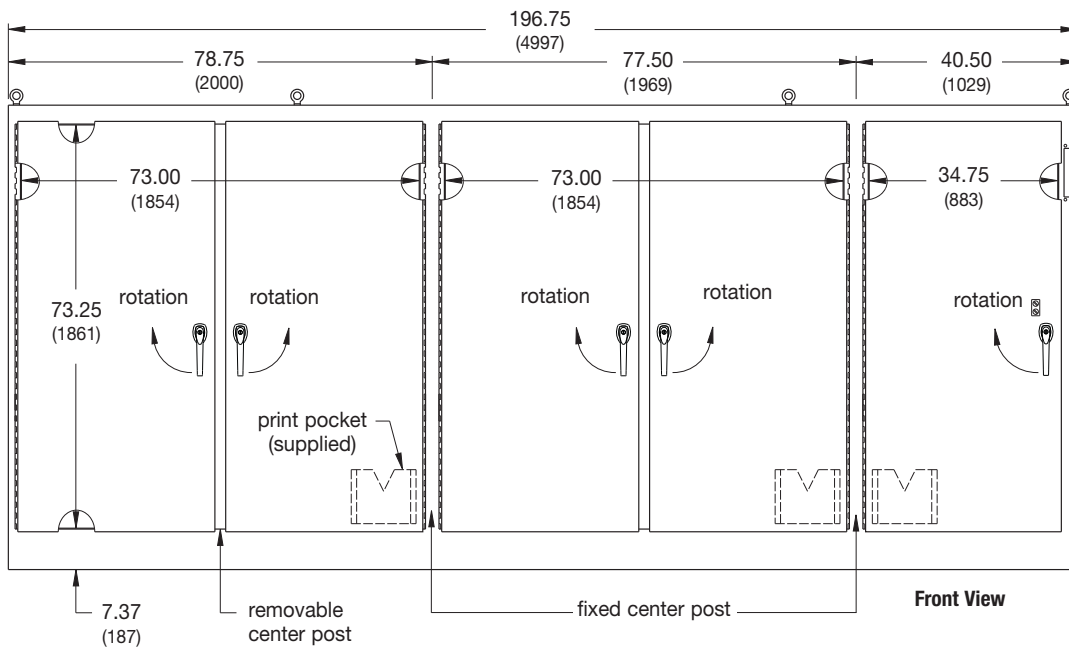
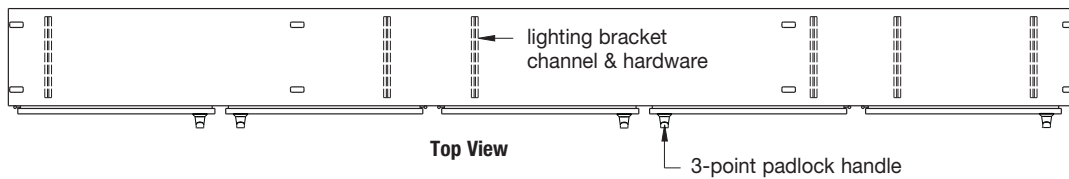


Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Ground-Mount Enclosures Type 12 Heavy-Duty Five-Door Flange-Mount Free-Standing with 3-Point Locking Illustration Sheet and Catalog Number

Disconnect Encl.

Enclosure Catalog Number	Enclosure Size Height x Width x Depth		Panel Size Height x Width		Panel Size Height x Width			
	in.	mm	in.	mm	in.	mm		
FD8419618-12FS	84.00	196.75 x 18.00	2134	4997 x 457	72.00 x 33.75	1829 x 857	72.00 x 72.00	1829 x 1829

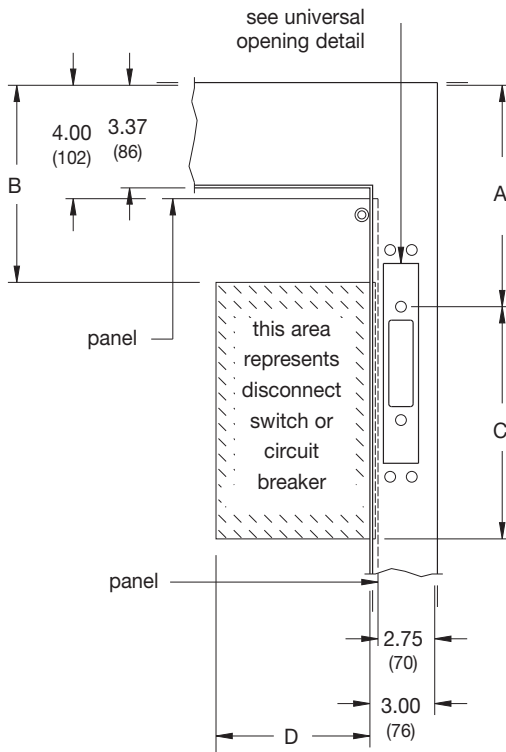


Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Disconnect Enclosures

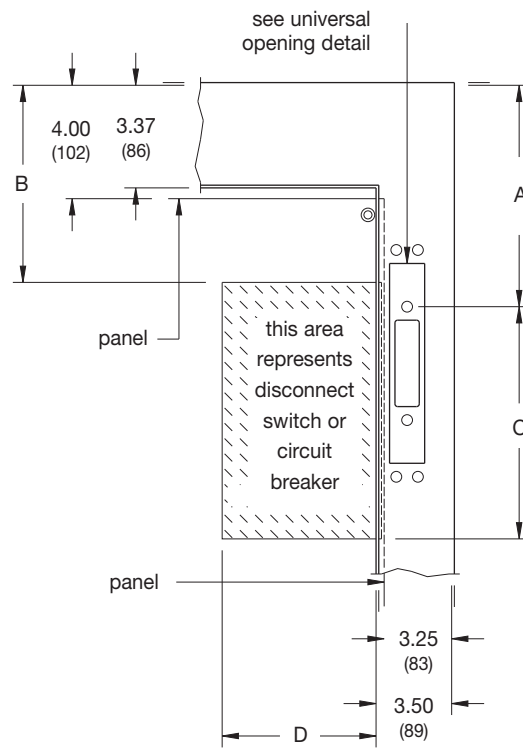
Ground-Mount Enclosures Type 12 Heavy-Duty Single & Multi-Door Flange-Mount Free-Standing with 3-Point Locking Illustration Sheet

Disconnect Encl.



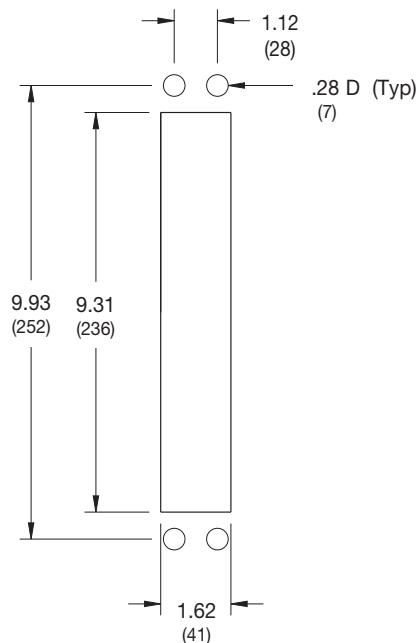
Flange Mounting

(1 and 2 door enclosures)



Flange Mounting

(3, 4 and 5 door enclosures)



Universal Opening Detail

The dimensional information provided in these drawings is derived from information supplied by the manufacturer of the equipment to be installed. Fit and function of all equipment should be checked before and after installation to assure proper and safe operation and compliance with the applicable regulations, codes and standards.

Universal opening must be filled with an operator adapter kit for the specific brand and type of disconnect being used, (see page 445).

Important Note

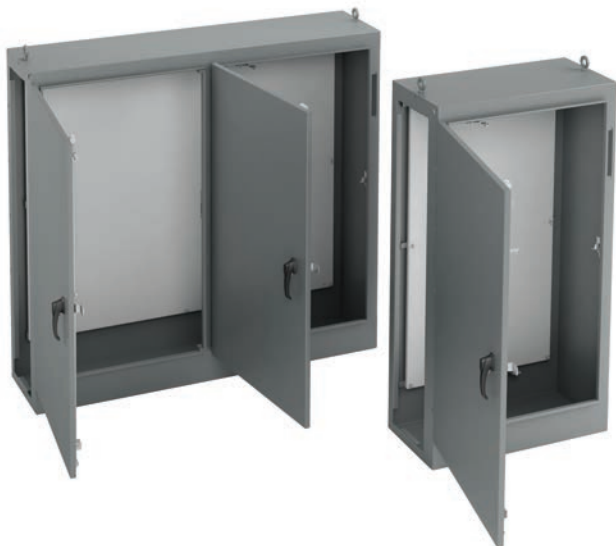
When ordering flange-mounted disconnect enclosures, be sure to include all the necessary components.

1. A flange-mounted disconnect enclosure
2. Operator adapter plates **MUST** be ordered for the specific brand and type of disconnect being used, (see page 445)

Disconnect switch (or circuit breaker), operating handle and operating mechanism are not furnished with enclosure, see disconnect ordering information, pages 326, 332 - 339.

Notes: Refer to disconnect table for associated dimensions.
Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Ground-Mount Enclosures Type 12 Modular Free-Standing Data Sheet



Application

- Houses electrical controls and instruments
- Protects against circulating dust, falling dirt and dripping non-corrosive liquids

Standards

- UL 508 listed, Type 12
- CSA C22.2 No.94 certified, Type 12
- Conforms to NEMA standard for Type 12

Finish

- Wash and phosphate undercoat
- ANSI 61 gray polyester powder finish
- Panels have a white polyester powder finish

Accessories

- Channel mounting hardware
- Blank adapter plates
- Operator adapters
- Touch-up paint
- Replacement handle, 11184A (see page 422).
- See Accessories section

Construction

- Enclosure and door are fabricated from (10) gauge steel
- All continuous welded seams are finished smooth
- Doors are secured to the body with a heavy-duty, lift-off hinge and 3-point padlocking handle mechanism
- Slave doors cannot open without activation of mechanical interlock but can close in any order
- Doors have a fixed oil-resistant gasket
- Print pocket provided
- Modular design and flanged side opening provide strength and a variety of mounting arrangements
- Heavy steel stiffeners welded across the back provide enclosure rigidity
- Removable panels mounted on .375-16 collar studs and panel supports are furnished behind each door
- Large lifting eyebolts are supplied
- Two styles of enclosure construction and specific features:
 1. Single-door disconnect enclosure - Left side open. Serves as a master door with connecting interlocks which prevent slave doors from opening first. Defeater mechanism on door requires a screwdriver to open. Universal cut-out on right side flange for disconnect operator.
 2. Two-door disconnect enclosure - Left side open. Both doors hinge left, the right side serving as the master with connecting interlocks which prevent slave doors from opening first. Defeater mechanism on door requires a screwdriver to open. Universal cut-out on right flange for disconnect operator. Center post is removable. Lighting mounting channel provided.

Discount Schedule: C2

Subclass: D00

Important Note

When ordering modular enclosure systems, be sure to include all the necessary components.

1. Disconnect master or slave enclosure
2. Gasket kits and/or end plates (see page 330)
3. Operator adapter plates **MUST** be ordered for the specific brand and type of disconnect being used, (see page 445)

Disconnect switch (or circuit breaker), operating handle and operating mechanism are not furnished with enclosure, see disconnect ordering information, pages 331 - 339.

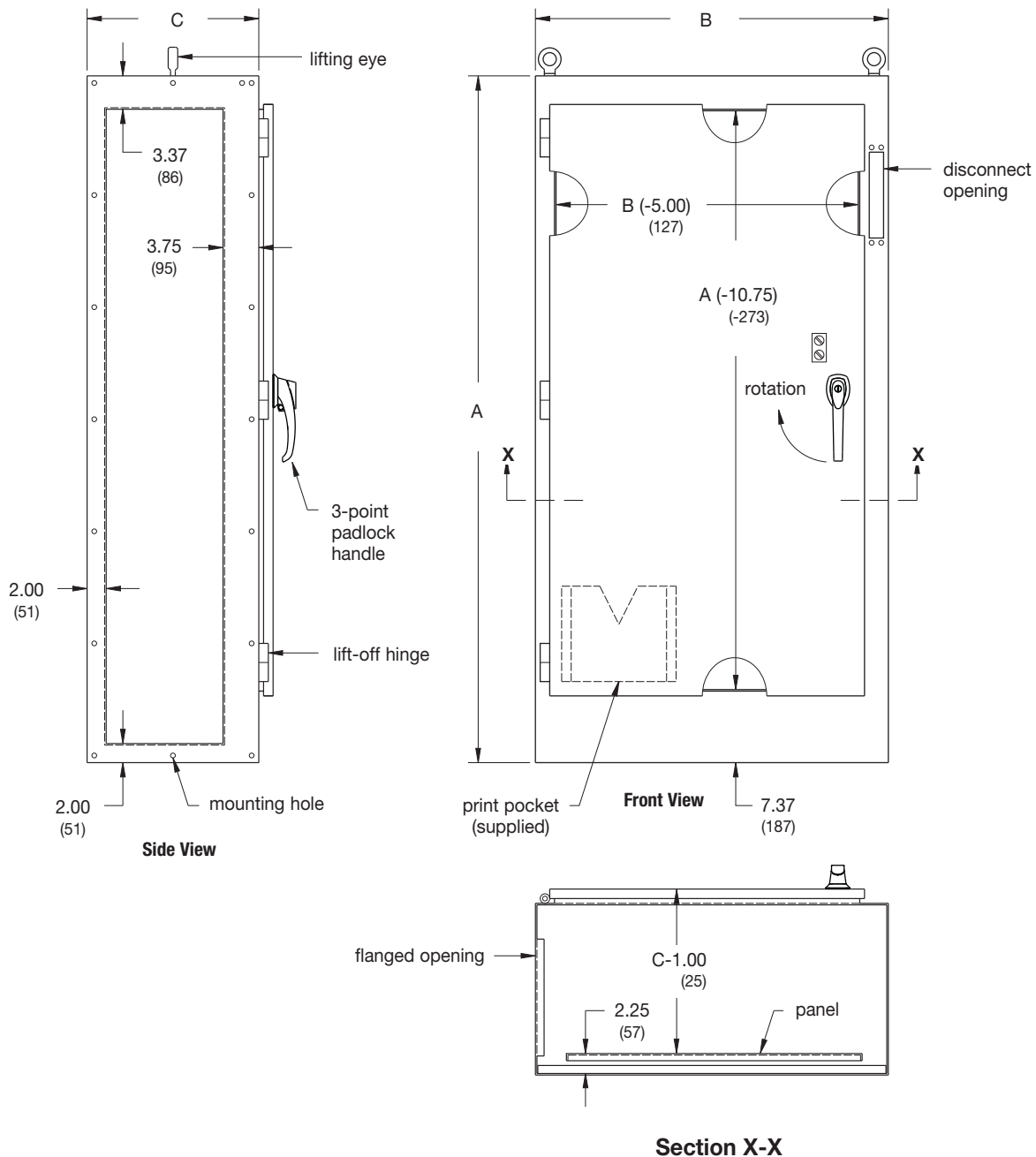
Notes: Cooper B-Line can provide special sizes, finishes and other modifications. Consult the factory for your special requirements.

Disconnect Enclosures

Ground-Mount Enclosures Type 12 Modular Single-Door Free-Standing Illustration Sheet and Catalog Number

Disconnect Encl.

Enclosure Catalog Number	Enclosure Size Height x Width x Depth A x B x C		Panel Size Height x Width	
	in.	mm	in.	mm
	MFD723918-12FS	72.00 x 39.75 x 18.00	1829 x 1010 x 457	60.00 x 33.75
MFD843918-12FS	84.00 x 39.75 x 18.00	2134 x 1010 x 457	72.00 x 33.75	1829 x 857
MFD843924-12FS	84.00 x 39.75 x 24.00	2134 x 1010 x 610	72.00 x 33.75	1829 x 857

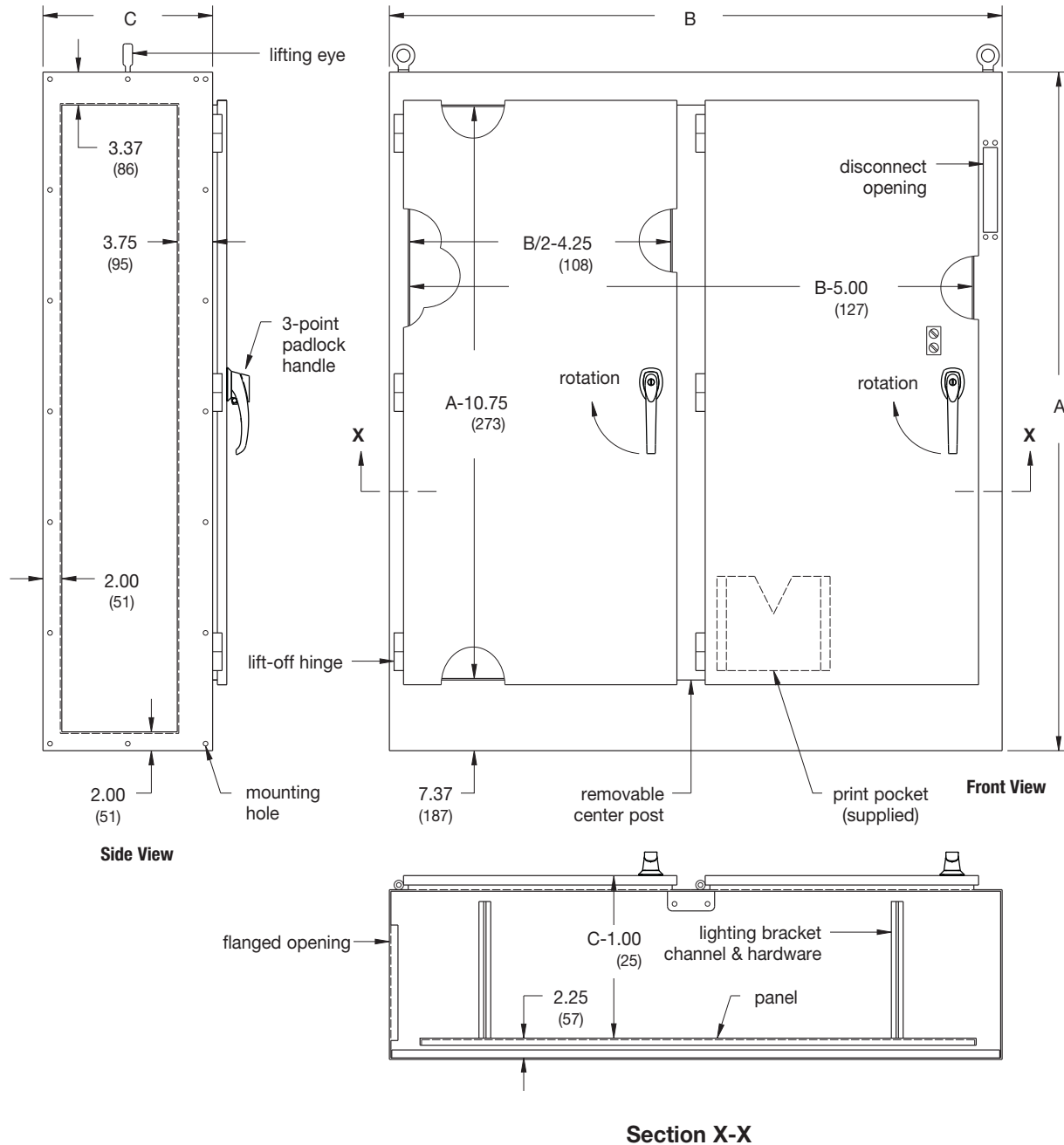


Notes: Four lifting eyes are furnished when C dimension is 24. Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Ground-Mount Enclosures Type 12 Modular Double-Door Free-Standing Illustration Sheet and Catalog Number

Disconnect Encl.

Enclosure Catalog Number	Enclosure Size Height x Width x Depth A x B x C		Panel Size Height x Width	
	in.	mm	in.	mm
MFD727818-12FS	72.00 x 78.00 x 18.00	1829 x 1981 x 457	60.00 x 72.00	1524 x 1829
MFD847818-12FS	84.00 x 78.00 x 18.00	2134 x 1981 x 457	72.00 x 72.00	1829 x 1829
MFD847824-12FS	84.00 x 78.00 x 24.00	2134 x 1981 x 610	72.00 x 72.00	1829 x 1829



Notes: Four lifting eyes are furnished when C dimension is 24. Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

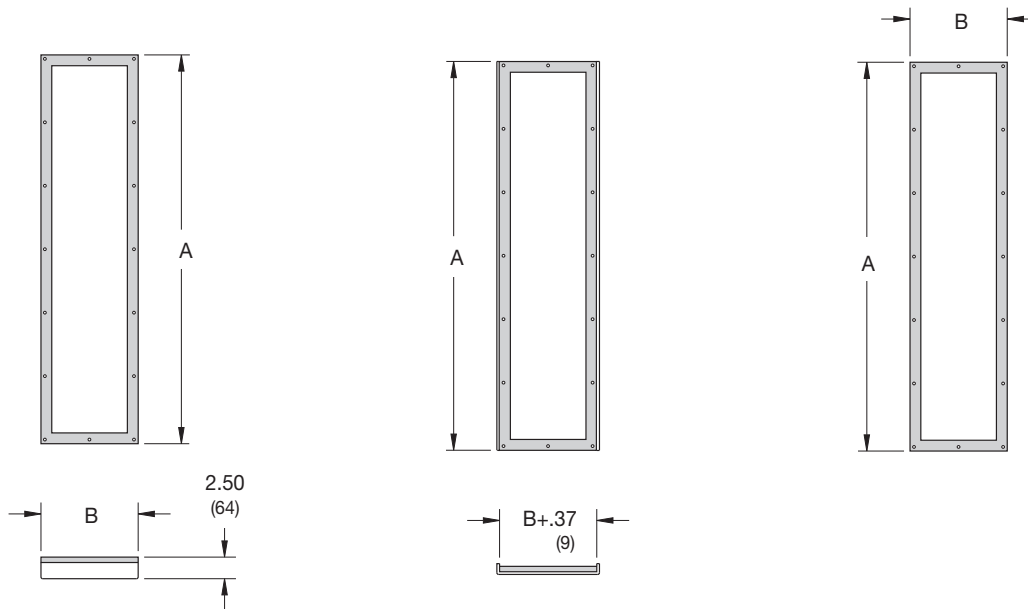
Disconnect Enclosures

Free-Standing Accessories End Plates & Gasket Kits

Illustration Sheet and Catalog Number

Disconnect Encl.

Modular Accessories								
Catalog Number	Size				Fits Enclosure			
	A		B		H x D			
	in.	mm	in.	mm	in.	mm	in.	mm
End Plate								
M7218-12FEK	72.00	1829	18.00	457	72.00	1829	18.00	457
M8418-12FEK	84.00	2134	18.00	457	84.00	2134	18.00	457
M8424-12FEK	84.00	2134	24.00	610	84.00	2134	24.00	610
Flat End Plate/Barrier								
M7218-12FBK	72.00	1829	18.25	464	72.00	1829	18.00	457
M8418-12FBK	84.00	2134	18.25	464	84.00	2134	18.00	457
M8424-12FBK	84.00	2134	24.25	464	84.00	2134	24.00	610
Gasket Kit								
M7218-12FGK	72.00	1829	18.00	457	72.00	1829	18.00	457
M8418-12FGK	84.00	2134	18.00	457	84.00	2134	18.00	457
M8424-12FGK	84.00	2134	24.00	610	84.00	2134	24.00	610



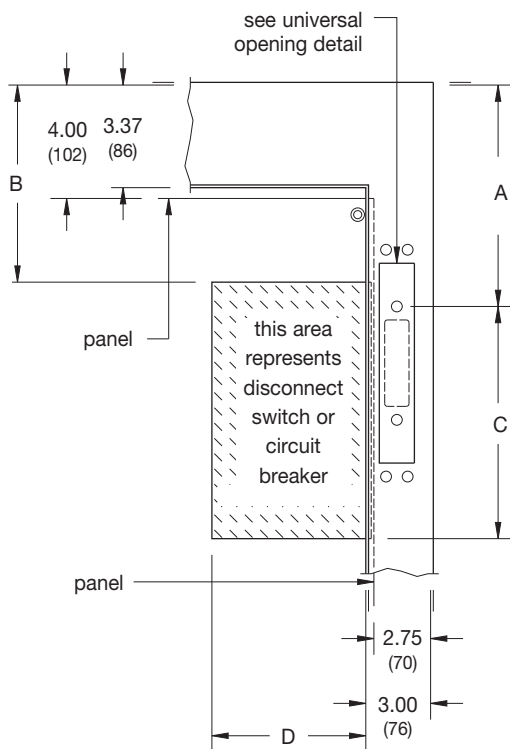
End Plate
Formed end plate and gasket used to seal open end of Modular enclosure.
Includes: End Plate, Gasket & Hardware.

Flat End Plate
Flat end plate and gasket used to seal open end of Modular enclosure. Also can serve as a barrier when additional gasket is used.
Includes: Flat End Plate, Gasket & Hardware

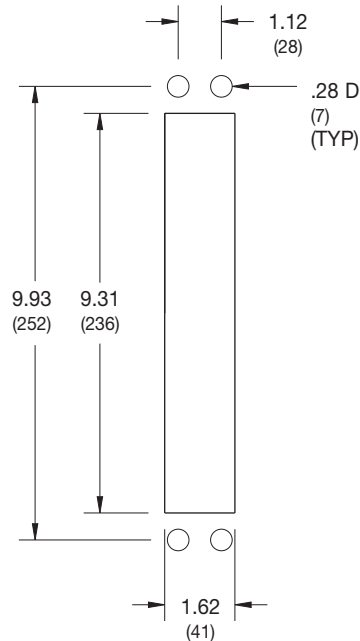
Gasket Kit
Pre-cut and pre-punched high density poron gasket is required for sealing barrier to additional modular enclosures when ganging.
Includes: Gasket & Hardware.

Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Ground-Mount Enclosures Type 12 Modular Free-Standing Illustration Sheet



Flange Mounting



Universal Opening Detail

The dimensional information provided in this drawing is derived from information supplied by the manufacturer of the equipment to be installed. Fit and function of all equipment should be checked before and after installation to assure proper and safe operation and compliance with the applicable regulations, codes and standards.

Universal opening must be filled with an operator adapter kit for the specific brand and type of disconnect being used, (see page 445).

Important Note

When ordering modular enclosure systems, be sure to include all the necessary components.

1. Disconnect master or slave enclosure
2. Gasket kits and/or end plates (see page 330)
3. Operator adapter plates **MUST** be ordered for the specific brand and type of disconnect being used, (see page 445)

Disconnect switch (or circuit breaker), operating handle and operating mechanism are not furnished with enclosure, see disconnect ordering information, pages 331 - 339.

Notes: Refer to disconnect table for associated dimensions. Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Disconnect Enclosures

Free-Standing Enclosures

Disconnect Ordering Information

Allen-Bradley® †

1494V Disconnect Mechanism

Disconnect Encl.

Allen-Bradley† Mechanism for Switches	Amp	Fuse Clip Rating		Fuse Class	Enclosure Height												C		D ⁽¹⁾	
		Amp	Volt		72				84				90							
					A		B		A		B		A		B					
		in.	mm		in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm
DS30	30A	(non)	(non)	--	11.87	301	10.00	254	17.37	441	15.50	394	20.37	517	18.50	470	4.00	102	6.75	171
DS30	30A	30A	250V	H,K,R	11.87	301	10.00	254	17.37	441	15.50	394	20.37	517	18.50	470	5.25	133	6.75	171
DS30	30A	30A	600V	H,K,R	11.87	301	10.00	254	17.37	441	15.50	394	20.37	517	18.50	470	8.00	203	6.75	171
DS30	30A	30A	600V	J	11.87	301	10.00	254	17.37	441	15.50	394	20.37	517	18.50	470	5.25	133	6.75	171
DS30	30A	60A	250V	H,K	11.87	301	10.00	254	17.37	441	15.50	394	20.37	517	18.50	470	6.00	152	6.75	171
DS30	30A	60A	600V	H,K	11.87	301	10.00	254	17.37	441	15.50	394	20.37	517	18.50	470	8.50	216	6.75	171
DS30	30A	60A	600V	J	11.87	301	10.00	254	17.37	441	15.50	394	20.37	517	18.50	470	5.50	140	6.75	171
DS60	60A	(non)	(non)	--	11.87	301	9.87	251	17.37	441	15.37	390	20.37	517	18.37	467	4.00	102	6.75	171
DS60	60A	30A	600V	H,K,R	11.87	301	9.87	251	17.37	441	15.37	390	20.37	517	18.37	467	8.00	203	6.75	171
DS60	60A	60A	250V	H,K,R	11.87	301	9.87	251	17.37	441	15.37	390	20.37	517	18.37	467	6.00	152	6.75	171
DS60	60A	60A	600V	H,K,R	11.87	301	9.87	251	17.37	441	15.37	390	20.37	517	18.37	467	8.50	216	6.75	171
DS60	60A	60A	600V	J	11.87	301	9.87	251	17.37	441	15.37	390	20.37	517	18.37	467	5.50	140	6.75	171
DS60	60A	100A	250V	H,K	11.87	301	9.87	251	17.37	441	15.37	390	20.37	517	18.37	467	8.50	216	6.75	171
DS60	60A	100A	600V	H,K	11.87	301	9.87	251	17.37	441	15.37	390	20.37	517	18.37	467	10.50	267	6.75	171
DS60	60A	100A	600V	J	11.87	301	9.87	251	17.37	441	15.37	390	20.37	517	18.37	467	7.25	184	6.75	171
DS100	100A	(non)	(non)	--	11.87	301	8.37	213	17.37	441	13.87	390	20.37	517	16.87	428	4.75	121	8.00	203
DS100	100A	100A	250V	H,K,R	11.87	301	8.37	213	17.37	441	13.87	390	20.37	517	16.87	428	10.50	267	8.00	203
DS100	100A	100A	600V	H,K,R	11.87	301	8.37	213	17.37	441	13.87	390	20.37	517	16.87	428	12.50	318	8.00	203
DS100	100A	100A	600V	J	11.87	301	8.37	213	17.37	441	13.87	390	20.37	517	16.37	416	9.25	235	8.00	203
DS100	100A	200A	250V	H,K	11.87	301	8.37	213	17.37	441	13.87	390	20.37	517	16.87	428	11.25	286	8.00	203
DS100	100A	200A	600V	H,K	11.87	301	8.37	213	17.37	441	13.87	390	20.37	517	16.87	428	13.75	349	8.00	203
DS100	100A	200A	600V	J	11.87	301	8.37	213	17.37	441	13.87	390	20.37	517	16.87	428	10.00	254	8.00	203
DS200	200A	(non)	(non)	--	10.43	265	6.00	152	15.93	405	11.50	292	18.93	481	14.50	368	10.00	254	11.00	279
DS200	200A	200A	250V	H,K,R	10.43	265	6.00	152	15.93	405	11.50	292	18.93	481	14.50	368	15.00	381	11.00	279
DS200	200A	200A	600V	H,K,R	10.43	265	6.00	152	15.93	405	11.50	292	18.93	481	14.50	368	17.25	438	11.00	279
DS200	200A	200A	600V	J	10.43	265	6.00	152	15.93	405	11.50	292	18.93	481	14.50	368	13.50	343	11.00	279
DS200	200A	400A	250V	H,K	10.43	265	6.00	152	15.93	405	11.50	292	18.93	481	14.50	368	15.75	400	11.00	279
DS200	200A	400A	600V	H,K	10.43	265	6.00	152	15.93	405	11.50	292	18.93	481	14.50	368	18.75	476	11.00	279
DS200	200A	400A	600V	J	10.43	265	6.00	152	15.93	405	11.50	292	18.93	481	14.50	368	14.25	362	11.00	279
DS400	400A	(non)	(non)	--	*	*	*	*	15.93	405	9.62	244	18.93	481	12.62	321	10.75	273	11.00	279
DS400	400A	400A	250V	H,K,R	*	*	*	*	15.93	405	9.62	244	18.93	481	12.62	321	16.25	413	11.00	279
DS400	400A	400A	600V	H,K,R	*	*	*	*	15.93	405	9.62	244	18.93	481	12.62	321	19.25	489	11.00	279
DS400	400A	400A	600V	J	*	*	*	*	15.93	405	9.62	244	18.93	481	12.62	321	14.75	375	11.00	279

Allen-Bradley† Mechanism for Circuit Breakers	Amp	Circuit Breaker Type		Enclosure Height												C		D ⁽¹⁾	
		Manufacturer	Frame(s)	72				84				90							
				A		B		A		B		A		B					
		in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm
M40	150A	General Electric	TED,THED,TEC	11.87	301	11.25	286	17.37	441	16.75	425	20.37	517	19.75	502	5.75	146	4.75	121
M40	150A	Westinghouse	F (series C)	11.87	301	11.25	286	17.37	441	16.75	425	20.37	517	19.75	502	5.00	127	4.75	121
M50	250A	Westinghouse	J (series C)	11.87	301	10.87	276	17.37	441	16.37	416	20.37	517	19.37	492	9.75	248	5.00	127
M60	400A	Westinghouse	K (series C)	11.87	301	10.62	270	17.37	441	16.12	409	20.37	517	19.12	486	9.75	248	6.25	159

* Do not install disconnects in this height enclosure

(1) Dimension "D" does not include space for auxiliary switches.

The dimensional information provided in this table is derived from information supplied by the manufacturer of the equipment to be installed. Fit and function of all equipment should be checked before and after installation to assure proper and safe operation and compliance with the applicable regulations, codes and standards.

† Marks are the property of their respective owners.

Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Free-Standing Enclosures Disconnect Ordering Information Allen-Bradley † 1494F Disconnect Mechanism

Allen-Bradley† Mechanism for Switches	Amp	Fuse Clip Rating		Fuse Class	Enclosure Height												C		D ⁽¹⁾	
		Amp	Volt		72				84				90							
					A		B		A		B		A		B					
		in.	mm		in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm
N30	30A	(non)	(non)	--	9.87	251	9.37	238	15.37	390	14.87	378	18.37	467	17.87	454	4.75	121	6.50	165
NF30	30A	30A	250V	H,K,R	9.87	251	9.37	238	15.37	390	14.87	378	18.37	467	17.87	454	6.50	165	6.50	165
NF30	30A	30A	600V	H,K,R	9.87	251	9.37	238	15.37	390	14.87	378	17.37	441	17.87	454	9.25	235	6.50	165
NF30	30A	30A	600V	J	9.87	251	9.37	238	15.37	390	14.87	378	18.37	467	17.87	454	6.50	165	6.50	165
NF30	30A	60A	250V	H,K,R	9.87	251	9.37	238	15.37	390	14.87	378	18.37	467	17.87	454	7.25	184	6.50	165
NF30	30A	60A	600V	H,K,R	9.87	251	9.37	238	15.37	390	14.87	378	18.37	467	17.87	454	9.75	248	6.50	165
NF30	30A	60A	600V	J	9.87	251	9.37	238	15.37	390	14.87	378	18.37	467	17.87	454	6.75	171	6.50	165
N60	60A	(non)	(non)	--	9.87	251	8.62	219	15.37	390	14.12	359	18.37	467	17.12	435	4.75	121	6.50	165
NF60	60A	30A	600V	H,K,R	9.87	251	8.62	219	15.37	390	14.12	359	18.37	467	17.12	435	10.50	267	6.50	165
NF60	60A	60A	250V	H,K,R	9.87	251	8.62	219	15.37	390	14.12	359	18.37	467	17.12	435	8.50	216	6.50	165
NF60	60A	60A	600V	H,K,R	9.87	251	8.62	219	15.37	390	14.12	359	18.37	467	17.12	435	11.00	279	6.50	165
NF60	60A	60A	600V	J	9.87	251	8.62	219	15.37	390	14.12	359	18.37	467	17.12	435	57.75	1467	6.50	165
NF60	60A	100A	250V	H,K,R	9.87	251	8.62	219	15.37	390	14.12	359	18.37	467	17.12	435	11.00	279	6.50	165
NF60	60A	100A	600V	H,K,R	9.87	251	8.62	219	15.37	390	14.12	359	18.37	467	17.12	435	13.00	330	6.50	165
NF60	60A	100A	600V	J	9.87	251	8.62	219	15.37	390	14.12	359	18.37	467	17.12	435	9.75	248	6.50	165
N100	100A	(non)	(non)	--	9.87	251	6.75	171	15.37	390	12.25	311	18.37	467	15.25	387	4.75	121	7.25	184
NF100	100A	100A	250V	H,K,R	9.87	251	6.75	171	15.37	390	12.25	311	18.37	467	15.25	387	11.50	292	7.50	191
NF100	100A	100A	600V	H,K,R	9.87	251	6.75	171	15.37	390	12.25	311	18.37	467	15.25	387	13.50	343	7.50	191
NF100	100A	100A	600V	J	9.87	251	6.75	171	15.37	390	12.25	311	18.37	467	15.25	387	10.25	260	7.50	191
NF100	100A	200A	250V	H,K,R	9.87	251	6.75	171	15.37	390	12.25	311	18.37	467	15.25	387	12.25	311	7.75	197
NF100	100A	200A	600V	H,K,R	9.87	251	6.75	171	15.37	390	12.25	311	18.37	467	15.25	387	14.75	375	7.75	197
NF100	100A	200A	600V	J	9.87	251	6.75	171	15.37	390	12.25	311	18.37	467	15.25	387	11.00	279	7.75	197
N200	200A	(non)	(non)	--	8.56	217	5.12	130	14.06	357	10.62	270	17.06	433	13.62	346	7.25	184	10.50	267
NF200	200A	200A	250V	H,K,R	8.56	217	5.12	130	14.06	357	10.62	270	17.06	433	13.62	346	15.00	381	10.50	267
NF200	200A	200A	600V	H,K,R	8.56	217	5.12	130	14.06	357	10.62	270	17.06	433	13.62	346	17.50	445	10.50	267
NF200	200A	200A	600V	J	8.56	217	5.12	130	14.06	357	10.62	270	17.06	433	13.62	346	13.75	349	10.50	267
NF200	200A	400A	250V	H,K,R	8.56	217	5.12	130	14.06	357	10.62	270	17.06	433	13.62	346	16.50	419	11.00	279
NF200	200A	400A	600V	H,K,R	8.56	217	5.12	130	14.06	357	10.62	270	17.06	433	13.62	346	19.50	495	11.00	279
NF200	200A	400A	600V	J	8.56	217	5.12	130	14.06	357	10.62	270	17.06	433	13.62	346	15.00	381	11.00	279

1494D Disconnect Mechanism

Allen-Bradley† Mechanism for Circuit Breakers	Amp	Circuit Breaker Type		Enclosure Height												C		D ⁽¹⁾	
		Manufacturer	Frame(s)	60				72				90							
				A		B		A		B		A		B					
		in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm
N4/N40	150A	General Electric	TED,THED,TEC	9.87	251	9.25	235	15.37	390	14.75	375	18.37	467	17.75	451	5.87	149	4.62	117
N5/N55	225A	General Electric	TFK,THFK,TFC	9.87	251	8.50	216	15.37	390	14.00	356	18.37	467	17.00	432	8.87	225	4.75	121
N4/N40	150A	Westinghouse	F (series C)	9.87	251	9.25	235	15.37	390	14.75	375	18.37	467	17.75	451	5.87	149	4.62	117
N5/N50	250A	Westinghouse	J (series C)	9.87	251	8.50	216	15.37	390	14.00	356	18.37	467	17.00	432	8.87	225	4.75	121
N5/N60	400A	Westinghouse	K (series C)	9.87	251	8.50	216	15.37	390	14.00	356	18.37	467	17.00	432	8.87	225	5.87	149

* Do not install disconnects in this height enclosure

(1) Dimension "D" does not include space for auxiliary switches.

The dimensional information provided in this table is derived from information supplied by the manufacturer of the equipment to be installed. Fit and function of all equipment should be checked before and after installation to assure proper and safe operation and compliance with the applicable regulations, codes and standards.

† Marks are the property of their respective owners.

Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Disconnect Enclosures

Free-Standing Enclosures

Disconnect Ordering Information

Cutler-Hammer® †

C361 Disconnect Mechanism

Disconnect Encl.

Cutler-Hammer† Mechanism for Switches	Amp	Fuse Clip Rating		Fuse Class	Enclosure Height												C		D ⁽¹⁾	
		Amp	Volt		72				84				90							
					A		B		A		B		A		B					
		in.	mm		in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm		
NC	30A	(non)	(non)	--	11.87	301	10.50	267	17.37	441	16.00	406	20.37	517	19.00	483	4.75	121	6.25	159
SC21	30A	30A	250V	H,K,R	11.87	301	10.50	267	17.37	441	16.00	406	20.37	517	19.00	483	7.75	197	6.25	159
SC61	30A	30A	600V	H,K,R	11.87	301	10.50	267	17.37	441	16.00	406	20.37	517	19.00	483	7.75	197	6.25	159
SC61	30A	60A	250V	H,K,R	11.87	301	10.50	267	17.37	441	16.00	406	20.37	517	19.00	483	8.25	210	6.25	159
ND	60A	(non)	(non)	--	11.87	301	10.50	267	17.37	441	16.00	406	20.37	517	19.00	483	4.75	121	6.25	159
SD22	60A	30A	600V	J	11.87	301	10.50	267	17.37	441	16.00	406	20.37	517	19.00	483	7.75	197	6.25	159
SD22	60A	60A	250V	H,K,R	11.87	301	10.50	267	17.37	441	16.00	406	20.37	517	19.00	483	8.25	210	6.25	159
SD62	60A	60A	600V	H,K,R	11.87	301	10.50	267	17.37	441	16.00	406	20.37	517	19.00	483	8.25	210	6.25	159
SD62	60A	60A	600V	J	11.87	301	10.50	267	17.37	441	16.00	406	20.37	517	19.00	483	8.00	203	6.25	159
NE	100A	(non)	(non)	--	11.87	301	10.12	257	17.37	441	15.62	397	20.37	517	18.62	473	4.25	108	7.50	191
SE263	100A	100A	250V	H,K,R	11.87	301	10.12	257	17.37	441	15.62	397	20.37	517	18.62	473	9.00	229	7.50	191
SE263	100A	100A	600V	H,K,R	11.87	301	10.12	257	17.37	441	15.62	397	20.37	517	18.62	473	9.00	229	7.50	191
SE263	100A	100A	600V	J	11.87	301	10.12	257	17.37	441	15.62	397	20.37	517	18.62	473	7.75	197	7.50	191
NF	200A	(non)	(non)	--	11.87	301	8.12	257	17.37	441	13.62	397	20.37	517	16.62	422	13.25	337	10.25	260
SF264	200A	200A	250V	H,K,R	11.87	301	8.12	257	17.37	441	13.62	397	20.37	517	16.62	422	13.25	337	10.25	260
SF264	200A	200A	600V	H,K,R	11.87	301	8.12	257	17.37	441	13.62	397	20.37	517	16.62	422	13.25	337	10.25	260

C371 Disconnect Mechanism

Cutler-Hammer† Mechanism for Circuit Breakers	Amp	Circuit Breaker Type		Enclosure Height												C		D ⁽¹⁾	
		Manufacturer	Frame(s)	72				84				90							
				A		B		A		B		A		B					
		in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm		
C371E	150A	Cutler-Hammer	HMCP,FS,FH	11.87	301	11.62	295	17.37	441	17.12	435	20.37	517	20.12	511	6.00	152	5.75	146
C371F ⁽¹⁾	225A	Cutler-Hammer	HMCP,JS,JH,JL	11.87	301	11.50	292	17.37	441	17.00	432	20.37	517	20.00	508	11.00	279	8.25	210
C371F ⁽¹⁾	400A	Cutler-Hammer	HMCP,KS,KH	11.87	301	11.00	279	17.37	441	16.50	419	20.37	517	19.50	495	9.75	248	8.25	210
C371G ⁽²⁾	600A	Cutler-Hammer	LS,LH	11.87	301	9.37	238	17.37	441	14.87	378	20.37	517	17.87	454	8.50	216	12.00	305
C371K ⁽³⁾	800A	Cutler-Hammer	MS,MH	*	*	*	*	17.37	441	11.37	289	20.37	517	14.37	365	10.25	260	12.00	305
C371K ⁽³⁾	1200A	Cutler-Hammer	NS,NH	*	*	*	*	17.37	441	11.37	289	20.37	517	14.37	365	10.25	260	12.00	305
C371E	150A	Westinghouse	F (series C)	11.87	301	11.62	295	17.37	441	17.12	435	20.37	517	20.12	511	6.00	152	5.75	146
C371F ⁽¹⁾	250A	Westinghouse	J (series C)	11.87	301	11.50	292	17.37	441	17.00	432	20.37	517	20.00	508	9.00	229	8.25	210
C371F ⁽¹⁾	400A	Westinghouse	K (series C)	11.87	301	11.00	279	17.37	441	16.50	419	20.37	517	19.50	495	9.75	248	8.25	210
C371G ⁽²⁾	600A	Westinghouse	LA,LC	11.87	301	9.37	238	17.37	441	14.87	378	20.37	517	17.87	454	8.50	216	12.00	305
C371K ⁽³⁾	800A	Westinghouse	MC	*	*	*	*	17.37	441	11.37	289	20.37	517	14.37	365	10.25	260	12.00	305
C371K ⁽³⁾⁽⁴⁾⁽⁵⁾	1200A	Westinghouse	NC	*	*	*	*	17.37	441	11.37	289	20.37	517	14.37	365	10.25	260	12.00	305

* Do not install disconnects in this height enclosure

(1) Wire bending space "B" does not allow the use of cable larger than 300 MCM in 72H enclosures.

(2) Wire bending space "B" does not allow the use of cable larger than 250 MCM in 72H enclosures.

(3) Wire bending space "B" does not allow the use of cable larger than 300 MCM in 84H enclosures.

(4) Wire bending space "B" does not allow the use of 4 cables per terminal larger than 350 MCM in 90H enclosures.

(5) Wire bending space "B" does not allow the use of Westinghouse terminals TA1201NB1 in 84H or 90H enclosures

The dimensional information provided in this table is derived from information supplied by the manufacturer of the equipment to be installed. Fit and function of all equipment should be checked before and after installation to assure proper and safe operation and compliance with the applicable regulations, codes and standards.

† Marks are the property of their respective owners.

Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Free-Standing Enclosures Disconnect Ordering Information General Electric †

TDA † Disconnects

General Electric† Mechanism for Switches	Amp	Fuse Clip Rating		Fuse Class	Enclosure Height												C		D	
		Amp	Volt		72				84				90							
					A		B		A		B		A		B					
		in.	mm		in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm		
NC	30A	(non)	(non)	--	11.87	301	10.50	267	17.37	441	16.00	406	20.37	517	19.00	483	4.75	121	6.25	159
TDOM1A	30A	(non)	(non)	--	11.87	301	12.37	314	17.37	441	17.87	45	20.37	517	20.87	530	7.00	178	5.50	140
TDOM1A	30A	30A	250V	H,R	11.87	301	12.37	314	17.37	441	17.87	454	20.37	517	20.87	530	7.00	178	5.50	140
TDOM1B	30A	30A	600V	H,R	11.87	301	12.37	314	17.37	441	17.87	454	20.37	517	20.87	530	11.50	292	5.50	140
TDOM1B	30A	60A	250V	H,R	11.87	301	12.37	314	17.37	441	17.87	454	20.37	517	20.87	530	11.50	292	5.50	140
TDOM1B	30A	60A	600V	H,R	11.87	301	12.37	314	17.37	441	17.87	454	20.37	517	20.87	530	11.50	292	5.50	140
TDOM1A	60A	(non)	(non)	--	11.87	301	12.37	314	17.37	441	17.87	454	20.37	517	20.87	530	7.00	178	5.50	140
TDOM1B	60A	60A	250V	H,R	11.87	301	12.37	314	17.37	441	17.87	454	20.37	517	20.87	530	11.50	292	5.50	140
TDOM1B	60A	60A	600V	H,R	11.87	301	12.37	314	17.37	441	17.87	454	20.37	517	20.87	530	11.50	292	5.50	140
TDOM1B	60A	100A	250V	H,R	11.87	301	12.37	314	17.37	441	17.87	454	20.37	517	20.87	530	11.50	292	5.50	140
TDOM1B	60A	100A	600V	H,R	11.87	301	12.37	314	17.37	441	17.87	454	20.37	517	20.87	530	11.50	292	5.50	140
TDOM1A	100A	(non)	(non)	--	11.87	301	12.37	314	17.37	441	17.87	454	20.37	517	20.87	530	7.00	178	5.50	140
TDOM1B	100A	100A	250V	H,R	11.87	301	12.37	314	17.37	441	17.87	454	20.37	517	20.87	530	11.50	292	5.50	140
TDOM1B	100A	100A	600V	H,R	11.87	301	12.37	314	17.37	441	17.87	454	20.37	517	20.87	530	11.50	292	5.50	140
TDOM1B	100A	200A	250V	H,R	11.87	301	12.37	314	17.37	441	17.87	454	20.37	517	20.87	530	11.50	292	5.50	140
TDOM1B	100A	200A	600V	H,R	11.87	301	12.37	314	17.37	441	17.87	454	20.37	517	20.87	530	11.50	292	5.50	140
TDOM2	200A	(non)	(non)	--	11.87	301	9.75	248	17.37	441	15.25	387	20.37	517	18.25	464	7.00	178	9.25	235
TDOM2	200A	200A	250V	H,R	11.87	301	9.75	248	17.37	441	15.25	387	20.37	517	18.25	464	15.50	394	9.25	235
TDOM2	200A	200A	600V	H,R	11.87	301	9.75	248	17.37	441	15.25	387	20.37	517	18.25	464	15.50	394	9.25	235

General Electric† Mechanism for Circuit Breakers	Amp	Circuit Breaker Type	Enclosure Height												C		D	
			72				84				90							
			A		B		A		B		A		B					
			in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm
TDOM1A	150A	TEB,TEC,TED,THED	11.87	301	11.25	286	17.37	441	16.75	425	20.37	517	19.75	502	7.00	178	5.50	140
TDOM1B	150A	TB1,TEC,TECL	11.87	301	11.25	286	17.37	441	16.75	425	20.37	517	19.75	502	11.50	292	5.50	140
TDOM1C	150A	TEL	11.87	301	11.25	286	17.37	441	16.75	425	20.37	517	19.75	502	7.00	178	5.50	140
TDOM1D	150A	THCL1	11.87	301	9.87	251	17.37	441	15.37	390	20.37	517	18.37	467	7.00	178	5.50	140
TDOM3	225A	TFJ,TFK,THFK,TFL	11.87	301	10.87	276	17.37	441	16.37	416	20.35	517	19.37	492	10.50	267	6.00	152
TDOM4	400A	TJJ,TJK4,THJK4,TJL4V	11.87	301	10.00	254	17.37	441	15.50	394	20.35	517	18.50	470	8.25	210	9.50	241
TDOM4	600A	TJK6,THJK6,TJ4V,TJL4V	11.87	301	10.00	254	17.37	441	15.50	394	20.35	517	18.50	470	8.25	210	9.50	241
TDOM5	400A	TB4,TJH6S	11.87	301	10.00	254	17.37	441	15.50	394	20.35	517	18.50	470	14.25	362	9.50	241
TDOM6	225A	TLB2,THLC2	*	*	*	*	17.37	441	14.87	378	20.37	517	17.87	454	11.75	298	9.50	241
TDOM6	400A	TLB4,THLC4	*	*	*	*	17.37	441	13.50	343	20.37	517	16.50	419	11.75	298	9.50	241
TDOM6	800A	TKMA,THKMA,TK4V	*	*	*	*	*	*	*	*	20.37	517	17.87	454	11.75	298	9.50	241
TDOM6	1200A	TK4V,THK4V	*	*	*	*	*	*	*	*	20.37	517	17.87	454	11.75	298	9.50	241
TDOM7	600A	TB6	*	*	*	*	17.37	*	11.75	298	20.37	517	14.75	375	18.25	464	9.50	241
TDOM7	800A	TB8	*	*	*	*	17.37	*	11.75	298	20.37	517	14.75	375	18.25	464	9.50	241
TDOM7	1200A	TKL12S	*	*	*	*	*	*	*	*	20.37	517	14.75	375	18.25	464	9.50	241

* Do not install disconnects in this height enclosure.

The dimensional information provided in this table is derived from information supplied by the manufacturer of the equipment to be installed. Fit and function of all equipment should be checked before and after installation to assure proper and safe operation and compliance with the applicable regulations, codes and standards.

† Marks are the property of their respective owners.

Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Disconnect Enclosures

Free-Standing Enclosures Disconnect Ordering Information I-T-E Siemens® †

MAX-FLEX † Disconnect Mechanism

Encl. Depth	I-T-E† Mechanism for Circuit Breakers	Cable Length	Amp	Circuit Breaker Frame	Device Height in. mm	Enclosure Height													
						A						C ⁽¹⁾						D ⁽²⁾	
						72		84		90		nom		min		max		min	max
in. mm		in. mm		in. mm		in. mm		in. mm		in. mm		in. mm		in. mm	in. mm				
18	FHOE036	36	125A	ED	6.37 162	11.87 301	17.37 441	20.37 517	5.37 136	-2.75 -70	13.50 343	3.00 76	9.75 248						
	FHOE036	36	125A	CED	9.62 244	11.87 301	17.37 441	20.37 517	8.50 216	.06 2	16.87 428	3.00 76	9.75 248						
	FHOF036	36	250A	FD	9.50 241	11.87 301	17.37 441	20.37 517	5.62 143	2.43 62	13.87 352	4.50 114	8.50 216						
	FHOF036	36	250A	CFD	14.12 359	11.87 301	17.37 441	20.37 517	10.25 260	7.25 184	18.62 473	4.50 114	8.50 216						
	FHOJ036	36	400A, 600A	JD, LD	11.00 279	11.87 301	17.37 441	20.37 517	5.25 133	-2.87 -73	13.43 341	7.50 191	10.12 257						
	FHOJ036	36	400A, 600A	CJD	17.87 454	11.87 301	17.37 441	20.37 517	12.12 308	4.12 105	20.37 517	7.50 191	10.12 257						
20	FHOE036	36	125A	ED	6.37 162	11.87 301	17.37 441	20.37 517	5.37 136	1.37 35	10.75 273	3.00 76	6.37 162						
	FHOE036	36	125A	CED	9.62 244	11.87 301	17.37 441	20.37 517	8.50 216	4.62 117	14.00 356	3.00 76	6.37 162						
	FHOF036	36	250A	FD	9.50 241	11.87 301	17.37 441	20.37 517	5.62 143	1.62 41	11.00 356	4.50 114	5.50 140						
	FHOF036	36	250A	CFD	14.12 359	11.87 301	17.37 441	20.37 517	10.25 260	6.43 163	15.87 403	4.50 114	5.50 140						
	FHOJ036	36	400A, 600A	JD, LD	11.00 279	11.87 301	17.37 441	20.37 517	5.25 133	0.00 0	10.62 270	7.50 191	7.25 184						
	FHOJ036	36	400A, 600A	CJD	17.87 454	11.87 301	17.37 441	20.37 517	12.12 308	6.93 176	17.50 445	7.50 191	7.25 184						
18	*	48	125A	ED	6.37 162	11.87 301	17.37 441	20.37 517	5.37 136	-15.37 -390	26.25 667	3.00 76	24.43 621						
	*	48	125A	CED	9.62 244	11.87 301	17.37 441	20.37 517	8.50 216	-12.00 -305	29.50 749	3.00 76	24.43 621						
	*	48	250A	FD	9.50 241	11.87 301	17.37 441	20.37 517	5.62 143	-15.00 -381	26.50 673	4.50 114	23.00 584						
	*	48	250A	CFD	14.12 359	11.87 301	17.37 441	20.37 517	10.25 260	-10.25 -260	30.37 771	4.50 114	23.00 584						
	*	48	400A, 600A	JD, LD	11.00 279	11.87 301	17.37 441	20.37 517	5.25 133	-15.43 -393	26.12 663	7.50 191	24.50 622						
	*	48	400A, 600A	CJD	17.87 454	11.87 301	17.37 441	20.37 517	12.12 308	-8.50 -216	33.00 838	7.50 191	24.50 622						
	FHON048	48	800A, 1200A	MD, ND	16.00 406	11.87 301	17.37 441	20.37 517	8.12 206	-5.12 -130	21.43 544	9.00 229	20.50 521						
20	*	48	125A	ED	6.37 162	11.87 301	17.37 441	20.37 517	5.37 136	-14.87 -378	25.25 641	3.00 76	23.43 595						
	*	48	125A	CED	9.62 244	11.87 301	17.37 441	20.37 517	8.50 216	-11.50 -292	28.50 724	3.00 76	23.43 595						
	*	48	250A	FD	9.50 241	11.87 301	17.37 441	20.37 517	5.62 143	-14.50 -368	25.50 648	4.50 114	22.00 559						
	*	48	250A	CFD	14.12 359	11.87 301	17.37 441	20.37 517	10.25 260	-9.75 -248	30.37 771	4.50 114	22.00 559						
	*	48	400A, 600A	JD, LD	11.00 279	11.87 301	17.37 441	20.37 517	5.25 133	-14.93 -379	25.12 638	7.50 191	23.62 600						
	*	48	400A, 600A	CJD	17.87 454	11.87 301	17.37 441	20.37 517	12.12 308	-8.00 -203	32.00 813	7.50 191	23.62 600						
	FHON048	48	800A, 1200A	MD, ND	16.00 406	11.87 301	17.37 441	20.37 517	8.12 206	-5.12 -130	20.93 532	9.00 229	21.00 533						
24	*	48	125A	ED	6.37 162	11.87 301	17.37 441	20.37 517	5.37 136	-13.37 -340	23.25 591	3.00 76	20.62 524						
	*	48	125A	CED	9.62 244	11.87 301	17.37 441	20.37 517	8.50 216	-10.00 -254	26.50 673	3.00 76	20.62 524						
	*	48	250A	FD	9.50 241	11.87 301	17.37 441	20.37 517	5.62 143	-13.00 -330	23.50 597	4.50 114	19.37 492						
	*	48	250A	CFD	14.12 359	11.87 301	17.37 441	20.37 517	10.25 260	-8.25 -210	28.37 721	4.50 114	19.37 492						
	*	48	400A, 600A	JD, LD	11.00 279	11.87 301	17.37 441	20.37 517	5.25 133	-13.43 -341	23.12 587	7.50 191	20.93 532						
	*	48	400A, 600A	CJD	17.87 454	11.87 301	17.37 441	20.37 517	12.12 308	-6.50 -165	30.00 762	7.50 191	20.93 532						
	FHON048	48	800A, 1200A	MD,ND	26.00 406	11.87 301	17.37 441	20.37 517	8.12 206	-3.12 -79	19.93 506	9.00 229	20.50 521						

I-T-E SIEMENS † MAX-FLEX † Disconnect Mechanism

Disconnect Mechanism	Cable Length	Circuit Breaker Types
FHOE036	36	ED2, ED4, ED6, HED4, HED6, ED6ETI
FHOE036	36	CED6, CED6ETI
FHOF036	36	FD6, FXD6, HFD6, FXD6ETI
FHOF036	36	CFD6, CFD6ETI
FHOJ036	36	JD2, JD6, JXD6, HJD6, JXD6ETI, LD6, LXD6, HLD6, LXD6ETI, SHJD6, SLD6, SHLD6
FHOJ036	36	CJD6, CJD6ETI, CLD6, CLD6ETI, SCJD6, SCLD6
FHON048	48	MD6, HMD6, CMD6, MXD6ETI, CMD6ETI, SMD6, SHMD6, SCMD6, ND6, HND6, CND6, SND6, SCND6

* Non-standard mechanism with 48 inch operating cable must be specified.

(1) Flexible operating cable allows disconnect to be mounted within min and max of "C" dimension when "D" is minimum.

(2) Flexible operating cable allows disconnect to be mounted within min and max of "D" dimension when "C" is nominal

The dimensional information provided in this table is derived from information supplied by the manufacturer of the equipment to be installed. Fit and function of all equipment should be checked before and after installation to assure proper and safe operation and compliance with the applicable regulations, codes and standards.

† Marks are the property of their respective owners.

Notes: Flexible cable allows for variable disconnect mounting and adequate wire bending space must be maintained.

Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Free-Standing Enclosures Disconnect Ordering Information Square D® †

Disconnect Encl.

9422 Disconnect Mechanism

Square D† Mechanism for Switches	Amp	Fuse Clip Rating		Fuse Class	Enclosure Height												C		D	
		Amp	Volt		72				84				90							
					A		B		A		B		A		B					
		in.	mm		in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm		
RC-1	30A	(non)	(non)	--	11.87	301	11.75	298	17.37	441	17.18	436	20.37	517	20.18	513	3.25	83	7.25	184
RC-2	30A	30A	250V	H,K,R	11.87	301	11.75	298	17.37	441	17.18	436	20.37	517	20.18	513	5.00	127	7.25	184
RC-3	30A	30A	600V	H,K,R	11.87	301	11.75	298	17.37	441	17.18	436	20.37	517	20.18	513	8.00	203	7.25	184
RC-3	30A	30A	600V	J	11.87	301	11.75	298	17.37	441	17.18	436	20.37	517	20.18	513	5.00	127	7.25	184
RC-3	30A	60A	250V	H,K,R	11.87	301	11.75	298	17.37	441	17.18	436	20.37	517	20.18	513	6.00	152	7.25	184
TC-1	30A	(non)	(non)	--	11.87	301	9.87	251	17.37	441	15.37	390	20.37	517	18.37	467	5.75	146	6.25	159
TC-2	30A	30A	250V	H,K,R	11.87	301	9.87	251	17.37	441	15.37	390	20.37	517	18.37	467	5.75	146	6.25	159
TC-3	30A	30A	600V	H,K,R	11.87	301	9.87	251	17.37	441	15.37	390	20.37	517	18.37	467	7.75	197	6.25	159
TC-3	30A	30A	600V	J	11.87	301	9.87	251	17.37	441	15.37	390	20.37	517	18.37	467	5.75	146	6.25	159
TC-3	30A	60A	250V	H,K,R	11.87	301	9.87	251	17.37	441	15.37	390	20.37	517	18.37	467	6.00	152	6.25	159
TD-1	60A	(non)	(non)	--	11.87	301	10.75	273	17.37	441	16.25	413	20.37	517	19.25	489	6.50	165	6.75	171
TD-2	60A	30A	600V	H,K,R	11.87	301	10.75	273	17.37	441	16.25	413	20.37	517	19.25	489	8.50	216	6.75	171
TD-2	60A	60A	250V	H,K,R	11.87	301	10.75	273	17.37	441	16.25	413	20.37	517	19.25	489	6.50	165	6.75	171
TD-3	60A	60A	600V	H,K,R	11.87	301	10.75	273	17.37	441	16.25	413	20.37	517	19.25	489	9.00	229	6.75	171
TD-3	60A	60A	600V	J	11.87	301	10.75	273	17.37	441	16.25	413	20.37	517	19.25	489	6.50	165	6.75	171
TE-1	100A	(non)	(non)	--	11.87	301	10.50	273	17.37	441	16.00	406	20.37	517	19.00	483	4.75	121	8.50	216
TE-2	100A	100A	250V	H,K,R	11.87	301	10.50	273	17.37	441	16.00	406	20.37	517	19.00	483	7.50	191	8.50	216
TE-2	100A	100A	600V	H,K,R	11.87	301	10.50	273	17.37	441	16.00	406	20.37	517	19.00	483	9.50	241	8.50	216
TE-2	100A	100A	600V	J	11.87	301	10.50	273	17.37	441	16.00	406	20.37	517	19.00	483	6.25	159	8.50	216
TE-3	100A	200A	600V	J	11.87	301	10.50	273	17.37	441	16.00	406	20.37	517	19.00	483	13.75	349	8.50	216
TF-1	200A	(non)	(non)	--	11.87	301	9.12	232	17.37	441	14.62	371	20.37	517	17.62	448	5.50	140	11.75	298
TF-2	200A	200A	250V	H,K,R	11.87	301	9.12	232	17.37	441	14.62	371	20.37	517	17.62	448	11.50	292	11.75	298
TF-2	200A	200A	600V	H,K,R	11.87	301	9.12	232	17.37	441	14.62	371	20.37	517	17.62	448	14.00	356	11.75	298
TF-2	200A	200A	600V	J	11.87	301	9.12	232	17.37	441	14.62	371	20.37	517	17.62	448	10.25	260	11.75	28
TF-3	200A	400A	600V	J	11.87	301	9.12	232	17.37	441	14.62	371	20.37	517	17.62	448	14.50	368	11.75	298

Square D† Mechanism for Circuit Breakers	Amp	Circuit Breaker Type	Enclosure Height												C		D	
			72				84				90							
			A		B		A		B		A		B					
			in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm				
RN-1	100A	FAL,FHL,FCL	7.87	200	6.87	174	17.37	441	16.37	416	20.37	517	19.37	492	5.25	133	5.50	140
RP-1	250A	KAL,KHL,KCL	7.87	200	6.62	168	17.37	441	17.12	435	20.37	517	20.12	511	7.25	184	5.75	146
RR-1	400A	LAL,LHL,Q4L	*	*	*	*	17.37	441	12.75	324	20.37	517	15.75	400	7.75	197	9.00	229
RR-2	400A	ILL	*	*	*	*	17.37	441	17.12	435	20.37	517	20.12	511	11.00	279	15.75	400
RT-1	800A	MEL	*	*	*	*	17.37	441	12.62	321	20.37	517	15.62	397	9.25	235	12.00	305
RT-1	1000A	MAL,MHL	*	*	*	*	17.37	441	12.62	321	20.37	517	16.62	422	9.25	235	12.00	305

* Do not install disconnects in this height enclosure.

The dimensional information provided in this table is derived from information supplied by the manufacturer of the equipment to be installed. Fit and function of all equipment should be checked before and after installation to assure proper and safe operation and compliance with the applicable regulations, codes and standards.

† Marks are the property of their respective owners.

Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Disconnect Enclosures

Free-Standing Enclosures Disconnect Ordering Information

Disconnect Encl.

ALLEN-BRADLEY †

Standard enclosures designed to accept variable depth type 1494V.

Allen-Bradley† 1494V disconnect switch:

- 1.Disconnect switch.
- 2.Operating mechanism.
- 3.Operating handle.
- 4.Fuse block kit, (if required).
- 5.Fuse clip kit, (if required).
- 6.Line and Load connectors, (if necessary).
- 7.Connecting rod.

Allen-Bradley† 1494V circuit breaker:

- 1.Circuit breaker (General Electric†, Westinghouse†).
- 2.Operating mechanism.
- 3.Operating handle.
- 4.Line and load connectors, (if necessary).
- 5.Connecting rod.

NOTE: Standard enclosures designed to accept fixed depth type 1494F or 1494D.

Allen-Bradley† 1494F disconnect switch:

- 1.Disconnect switch.
- 2.Operating mechanism.
- 3.Operating handle.
- 4.Fuse block kit, (if required).
- 5.Fuse clip kit, (if required).
- 6.Line and load connectors, (if necessary).

Allen-Bradley† 1494D circuit breaker:

- 1.Circuit breaker, (General Electric†, Westinghouse†).
- 2.Operating mechanism.
- 3.Operating handle.
- 4.Line and load connectors, (if necessary).
- 5.Slide mechanism

CUTLER-HAMMER †

Standard enclosures designed to accept variable depth type C361 or C371.

Cutler-Hammer† C361 disconnect switch:

- 1.Disconnect switch.
- 2.Operating mechanism.
- 3.Operating handle.
- 4.Fuse clip kit, (if required).
- 5.Line and load connectors, (if necessary) .

NOTE: Items 1, 2 and 3 can be ordered as an assembly.

Cutler-Hammer† C371 circuit breaker:

- 1.Circuit breaker, (Cutler-Hammer†, Westinghouse†).
- 2.Operating mechanism.
- 3.Operating handle.
- 4.Line and load connectors, (if necessary).

NOTE: Items 2 and 3 can be ordered as an assembly.

GENERAL ELECTRIC †

Standard enclosures designed to accept variable depth type TDA.

General Electric† TDA disconnect switch:

- 1.Disconnect switch, (QMR, QMW).
- 2.Operating mechanism.
- 3.Operating handle TDA1.
- 4.Fuse clip kit or no-fuse kit, (if required).
- 5.Line and load connectors, (if necessary).
- 6.Extended length drive rod, (if required).

NOTE:These items can be ordered as an assembly.

General Electric† TDA circuit breaker:

- 1.Circuit breaker.
- 2.Operating mechanism.
- 3.Operating handle TDA1.
- 4.Line and load connectors, (if necessary).
- 5.Extended length drive rods, (if required).

I-T-E SIEMENS †

Standard enclosures designed to accept Max-Flex† type FHO.

I-T-E† Max-Flex† circuit breaker:

- 1.Circuit breaker.
- 2.Operating mechanism.
- 3.Operating handle.
- 4.Line and load connectors, (if necessary).
- 5.Operating cable.

NOTE: Items 2, 3 and 5 can be ordered as an assembly, standard with a 36 inch long operating cable. All 24 inch deep enclosures require a 48 inch long cable.

† Marks are the property of their respective owners.

Notes: Data subject to change without notice.

Free-Standing Enclosures Disconnect Ordering Information

SQUARE D †

Standard enclosures designed to accept variable depth type 9422.

Square D† 9422 disconnect switch:

1. Disconnect switch.
2. Operating mechanism.
3. Operating handle.
4. Fuse clip kit, (if required).
5. Line and load connectors, (if necessary).
6. Connecting rod.

Square D† 9422 circuit breaker:

1. Circuit Breaker.
2. Operating mechanism.
3. Operating handle.
4. Line and load connectors, (if necessary).
5. Connecting rod.

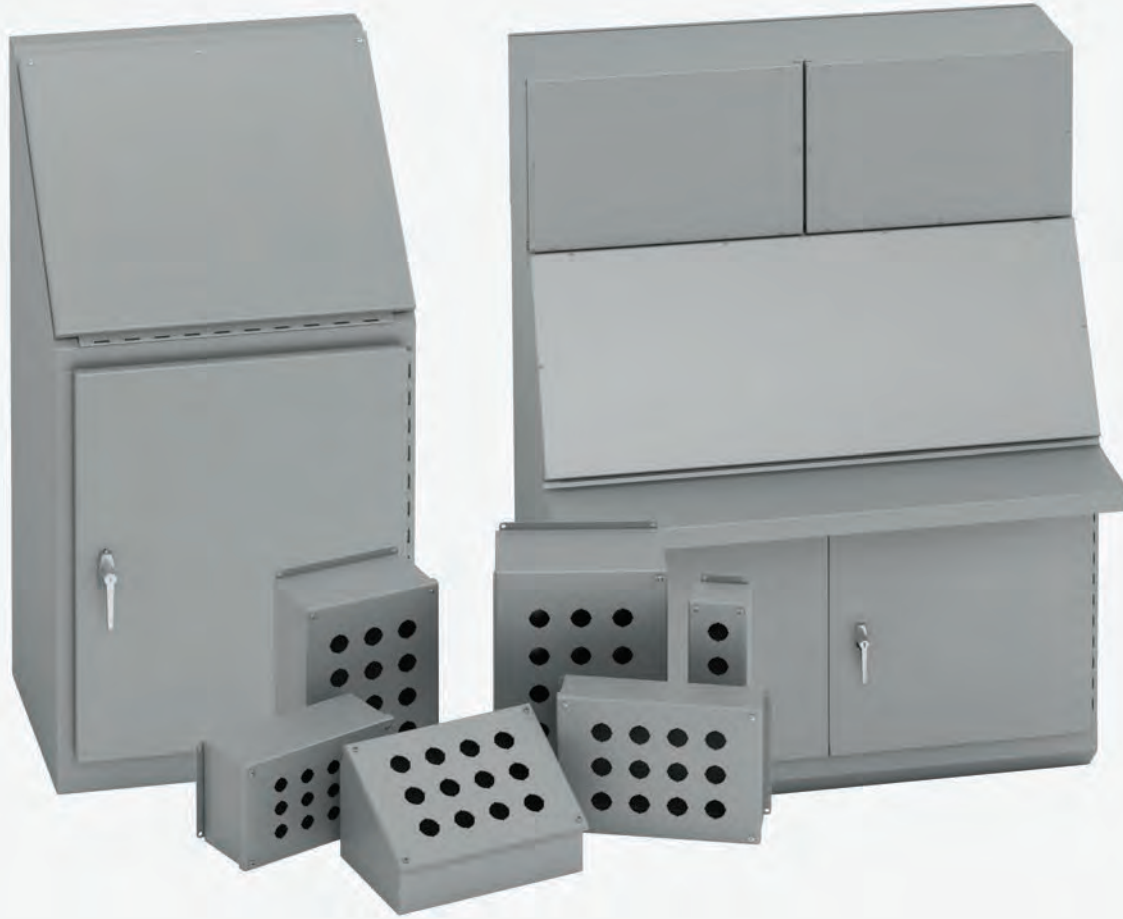
Important Note

When ordering flange-mounted disconnect equipment be sure to include all necessary components.

1. Enclosure includes the following equipment:
Enclosure door locking handle and rods
Door interlocking system
Interlocking connecting rod
Adjustable bracket, (see note 3)
2. Operator adapter plate, gasket and hardware for the type of disconnect device being used **MUST** be ordered separately (see page 445)
3. 24 inch deep enclosures include an adjustable bracket for mounting some disconnects:
Cutler-Hammer† C361 device
Cutler-Hammer† C371 E and F devices unless long connecting rod C371CS1 is specified
Cutler-Hammer† C371 G and K devices unless long connecting rod C371CS2 is specified
General Electric† TDA device unless extended length rod TDSR is specified.
Square D† 9422 device unless extra long connecting rod 9422-R2 is specified.
4. Disconnects and related components are available from the manufacturer.
5. The disconnect ordering information provided is derived from information supplied by the manufacturer of the equipment to be installed. Fit and function of all equipment should be checked before and after installation to assure proper and safe operation and compliance with the applicable regulations, codes and standards.

† Marks are the property of their respective owners.

Notes: Data subject to change without notice.



Pushbutton Enclosures Type 12 - 22.5 mm & 30.5 mm	342-343
Pushbutton Enclosures Type 12 Extra-Deep - 30.5 mm	344-345
Pushbutton Enclosures Type 12 Miniature - 22.5 mm	346-347
Pushbutton Enclosures Type 12 Hinge Cover - 30.5 mm with Panel	348-349
Pushbutton Enclosures Type 12 Angle Front - 30.5 mm	350-351
Consolet Type 12	353-355
Console Type 12 - AW-9	356-357
Console Type 12 - AW-12	358-360
Console Type 12 - AW-14	361-365
Console Accessories Type 12 - AW-14	366-367
Console Accessories	368-369

Operator Enclosures

Pushbutton Enclosures Type 12 - 22.5 mm & 30.5 mm Data and Illustration Sheet

Operator Enclosures



PBxx Series



PVxSS Series

Application

- Designed to mount standard 30.5 mm or miniature 22.5 mm oil-tight pushbuttons, pilot lights and switches
- Protects against circulating dust, falling dirt and dripping non-corrosive liquids

Standards

- UL 508 listed, Type 12 and Type 13
- CSA C22.2 No.94 certified, Type 12 and Type 13
- Conforms to NEMA standard for Type 12 and Type 13
- Conforms to JIC standard EGP-1-1967

Finish

- Wash and phosphate undercoat
- ANSI 61 gray polyester powder finish
- Stainless steel enclosure cover and sides of body have a smooth brushed finish

Accessories

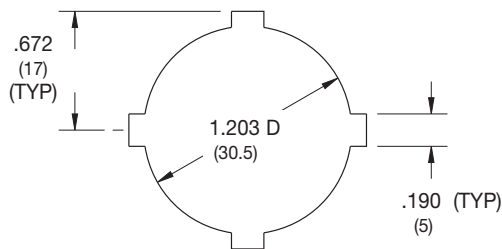
- Hole seals
- Columns and bases
- Touch-up paint
- See accessories section

Construction

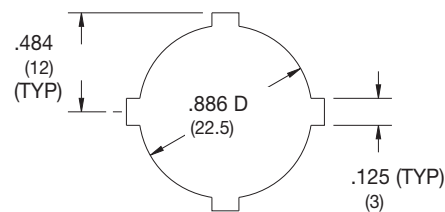
- Enclosure and cover are fabricated from (14) gauge steel, Type 304 or Type 316L stainless steel
- All continuous welded seams are finished smooth
- Cover is attached with captive screws which thread into sealed well nuts
- Cover has concealed, detachable hinges which allow for quick removal and can be hinged on either side (not offered on all sizes)
- Cover has a fixed, oil-resistant gasket
- Weldnut in body of enclosure for grounding
- Cover is pre-punched with standard 30.5 mm or miniature 22.5 mm “4-way” pushbutton holes
- External mounting feet are provided for secure wall mounting

Discount Schedule: C2

Subclass: DPO



Standard 4-Way



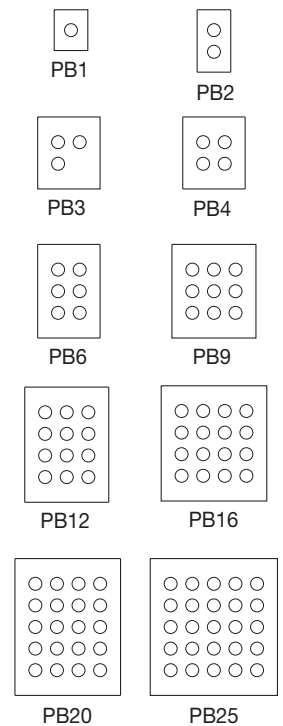
Miniature 4-Way

Notes: Cooper B-Line can provide special sizes, finishes and other holes and cutouts, see page 352. Consult the factory for your special requirements.

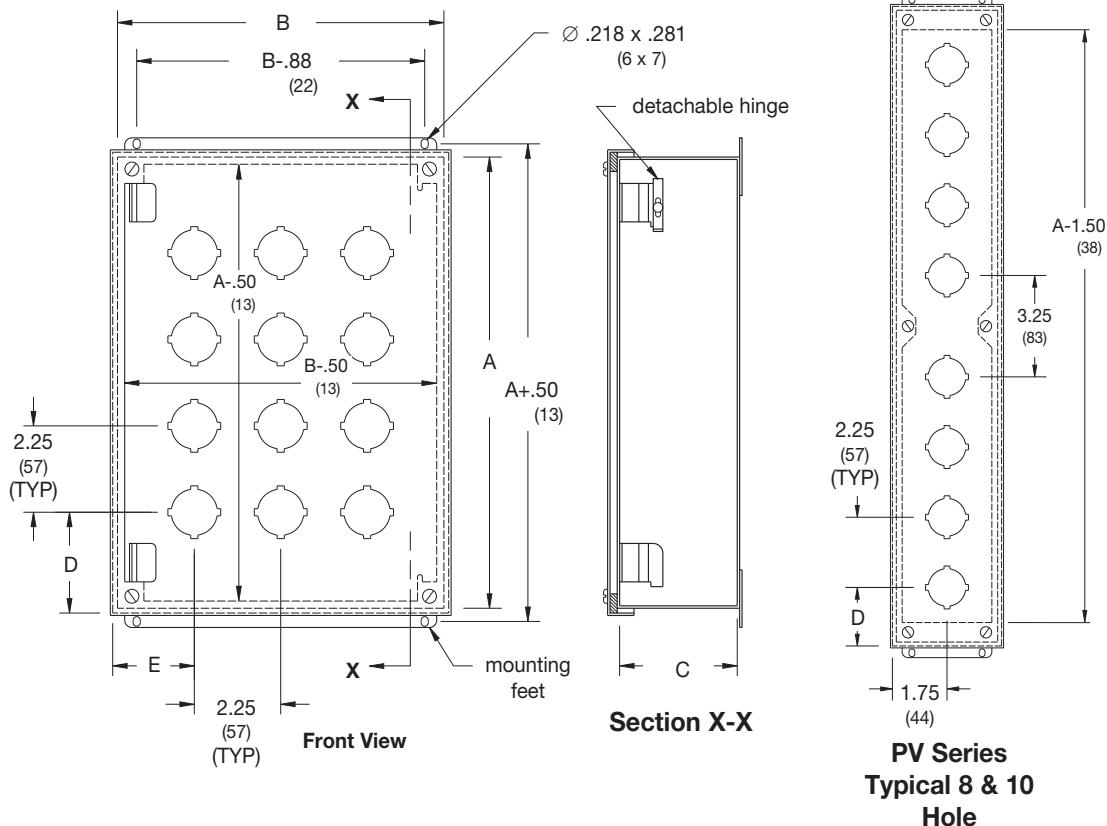
Pushbutton Enclosures Type 12 - 22.5 mm & 30.5 mm Illustration Sheet and Catalog Number

Enclosure Catalog Number					Holes	Enclosure Size		D		E	
(30.5 mm Hole)			(22.5 mm Hole)			Height x Width x Depth		in. mm		in. mm	
Steel	Type 304 Stainless	Type 316L Stainless	Steel	Type 304 Stainless		A x B x C					
						in.	mm				
PB1*	PB1SS*	PB1SS6*	PB1M*	PB1MSS*	1	4.00 x 3.25 x 3.00	102 x 83 x 76	2.12	54	1.75	44
PB2*	PB2SS*	PB2SS6*	PB2M*	PB2MSS*	2	5.75 x 3.25 x 3.00	146 x 83 x 76	2.12	54	1.75	44
PB3	-	-	-	-	3	7.25 x 6.25 x 3.00	184 x 159 x 76	2.62	67	2.12	54
PB4	-	-	-	-	4	7.25 x 6.25 x 3.00	184 x 159 x 76	2.62	67	2.12	54
PB6	PB6SS*	PB6SS6*	-	-	6	9.50 x 6.25 x 3.00	241 x 159 x 76	2.62	67	2.12	54
PB9	PB9SS*	PB9SS6*	-	-	9	9.50 x 8.50 x 3.00	241 x 216 x 76	2.62	67	2.12	54
PB12	PB12SS*	PB12SS6*	-	-	12	11.75 x 8.50 x 3.00	298 x 216 x 76	2.62	67	2.12	54
PB16	-	-	-	-	16	11.75 x 10.75 x 3.00	298 x 273 x 76	2.62	67	2.12	54
PB20	-	-	-	-	20	14.00 x 10.75 x 3.00	356 x 273 x 76	2.62	67	2.12	54
PB25	-	-	-	-	25	14.00 x 13.00 x 3.00	356 x 330 x 76	2.62	67	2.12	54
PV3*	PV3SS*	PV3SS6*	PV3M*	PV3MSS*	3	8.00 x 3.25 x 2.75	203 x 83 x 70	2.12	54	1.75	44
PV4*	PV4SS*	PV4SS6*	PV4M*	PV4MSS*	4	10.25 x 3.25 x 2.75	260 x 83 x 70	1.87	47	1.75	44
PV5*	-	-	-	-	5	12.50 x 3.25 x 2.75	318 x 83 x 70	1.87	47	1.75	44
PV6*	-	-	-	-	6	14.75 x 3.25 x 2.75	375 x 83 x 70	1.87	47	1.75	44
PV8*	-	-	-	-	8	20.25 x 3.25 x 2.75	514 x 83 x 70	1.87	47	1.75	44
PV10*	-	-	-	-	10	24.75 x 3.25 x 2.75	629 x 83 x 70	1.87	47	1.75	44

* Enclosures are not hinged.



Operator Enclosures



Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Operator Enclosures

Pushbutton Enclosures Type 12 Extra-Deep - 30.5 mm Data and Illustration Sheet

Operator Enclosures



Application

- Designed to mount standard 30.5 mm oil-tight pushbuttons, pilot lights and switches
- Protects against circulating dust, falling dirt and dripping non-corrosive liquids

Standards

- UL 508 listed, Type 12 and Type 13
- CSA C22.2 No.94 certified, Type 12 and Type 13
- Conforms to NEMA standard for Type 12 and Type 13
- Conforms to JIC standard EGP-1-1967

Finish

- Wash and phosphate undercoat
- ANSI 61 gray polyester powder finish
- Stainless steel enclosure cover and sides of body have a smooth brushed finish

Accessories

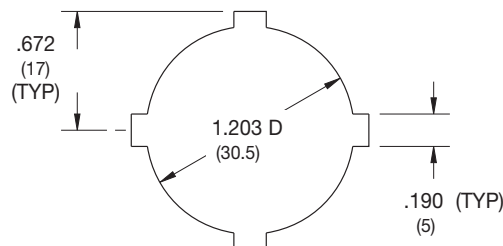
- Hole seals
- Columns and bases
- Touch-up paint
- See accessories section

Construction

- Enclosure and cover are fabricated from (14) gauge steel or Type 304 stainless steel
- Enclosure has extra depth for those components that require more room
- All continuous welded seams are finished smooth
- Cover is attached with captive screws which thread into sealed well nuts
- Cover has concealed, detachable hinges which allow for quick removal and can be hinged on either side (PBX Series only)
- Cover has a fixed, oil-resistant gasket
- Weldnut in body of enclosure for grounding
- Cover is prepunched with standard 30.5 mm “4-way” pushbutton holes
- External mounting feet are provided for secure wall mounting

Discount Schedule: G2

Subclass: DP0



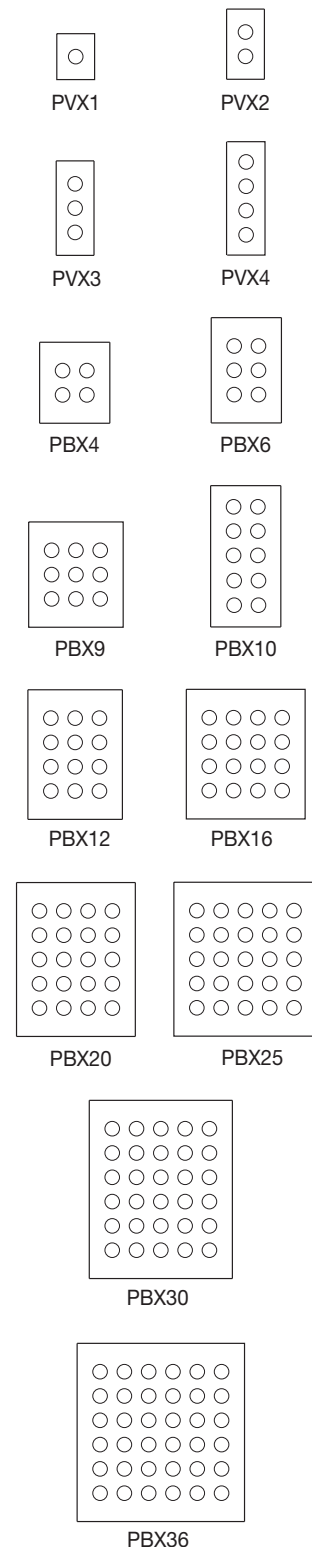
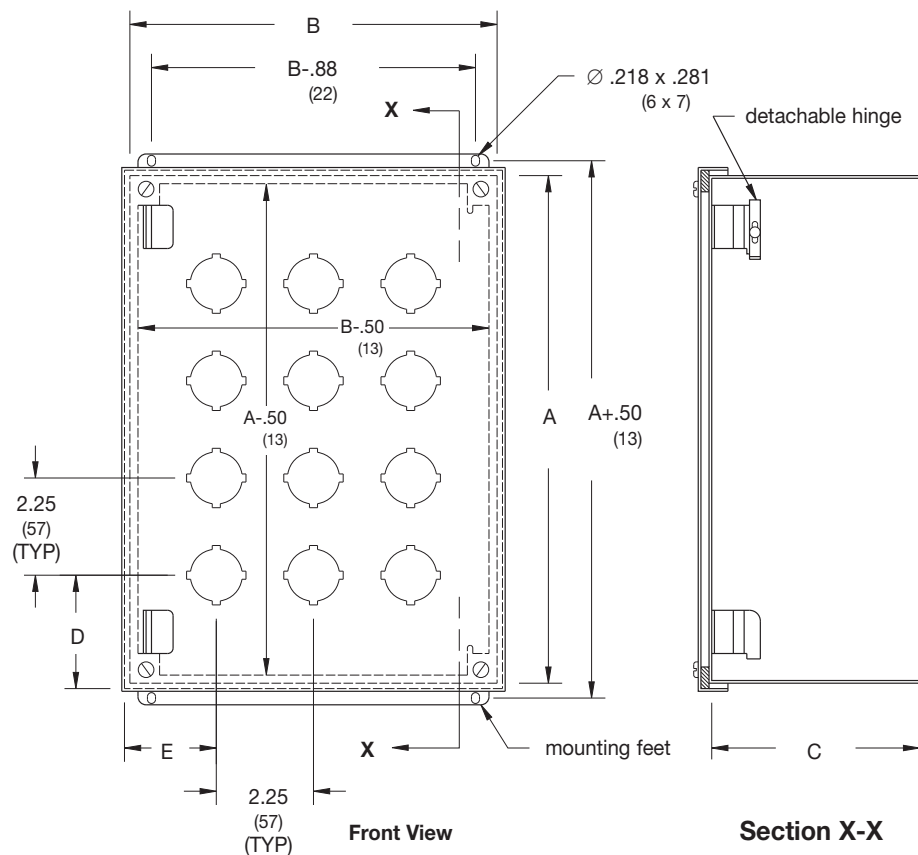
Standard 4-Way

Notes: Cooper B-Line can provide special sizes, finishes and other holes and cutouts, see page 352.
Consult the factory for your special requirements.

Pushbutton Enclosures Type 12 Extra-Deep - 30.5 mm Illustration Sheet and Catalog Number

Enclosure		Holes	Enclosure Size		D		E	
Catalog Number			Height x Width x Depth		in. mm		in. mm	
Steel	Type 304 Stainless		A x B x C		in. mm		in. mm	
PVX1*	PVX1SS*	1	4.00 x 4.00 x 4.75	102 x 102 x 121	2.12	54	1.75	44
PVX2*	PVX2SS*	2	6.00 x 4.00 x 4.75	152 x 102 x 121	2.12	54	1.75	44
PVX3*	PVX3SS*	3	8.00 x 4.00 x 4.75	203 x 102 x 121	2.12	54	1.75	44
PVX4*	PVX4SS*	4	10.00 x 4.00 x 4.75	254 x 102 x 121	1.87	47	1.75	44
PBX4	-	4	7.25 x 6.25 x 4.75	184 x 159 x 121	2.62	67	2.12	54
PBX6	-	6	9.50 x 6.25 x 4.75	241 x 159 x 121	2.62	67	2.12	54
PBX9	-	9	9.50 x 8.50 x 4.75	241 x 216 x 121	2.62	67	2.12	54
PBX10	-	10	14.00 x 6.25 x 4.75	356 x 159 x 121	2.62	67	2.12	54
PBX12	-	12	11.75 x 8.50 x 4.75	298 x 216 x 121	2.62	67	2.12	54
PBX16	-	16	11.75 x 10.75 x 4.75	298 x 273 x 121	2.62	67	2.12	54
PBX20	-	20	14.00 x 10.75 x 4.75	356 x 273 x 121	2.62	67	2.12	54
PBX25	-	25	14.00 x 13.00 x 4.75	356 x 330 x 121	2.62	67	2.12	54
PBX30	-	30	16.25 x 13.00 x 4.75	413 x 330 x 121	2.62	67	2.12	54
PBX36	-	36	16.25 x 15.25 x 4.75	413 x 387 x 121	2.62	67	2.12	54

* Enclosures are not hinged.



Cover Hole Layout

Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Operator Enclosures

Pushbutton Enclosures Type 12 Miniature - 22.5 mm Data and Illustration Sheet

Operator Enclosures



Application

- Designed to mount miniature 22.5 mm oil-tight pushbuttons, pilot lights and switches
- Protects against circulating dust, falling dirt and dripping non-corrosive liquids

Standards

- UL 508 listed, Type 12 and Type 13
- CSA C22.2 No.94 certified, Type 12 and Type 13
- Conforms to NEMA standard for Type 12 and Type 13
- Conforms to JIC standard EGP-1-1967

Finish

- Wash and phosphate undercoat
- ANSI 61 gray polyester powder finish

Accessories

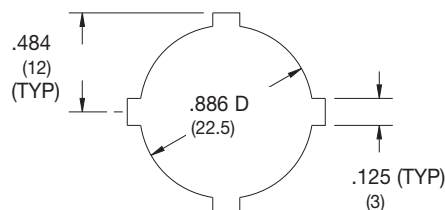
- Hole seals
- Columns and bases
- Touch-up paint
- See accessories section

Construction

- Enclosure and cover are fabricated from (14) gauge steel
- All continuous welded seams are finished smooth
- Cover is attached with captive screws which thread into sealed well nuts
- Covers more than 2.75 inches wide have concealed, detachable hinges which allow for quick removal and can be hinged on either side
- Cover has a fixed oil-resistant gasket
- Weldnut in body of enclosure for grounding
- Cover is pre-punched with miniature 22.5 mm “4-way” pushbutton holes
- External mounting feet are provided for secure wall mounting

Discount Schedule: C2

Subclass: DPO



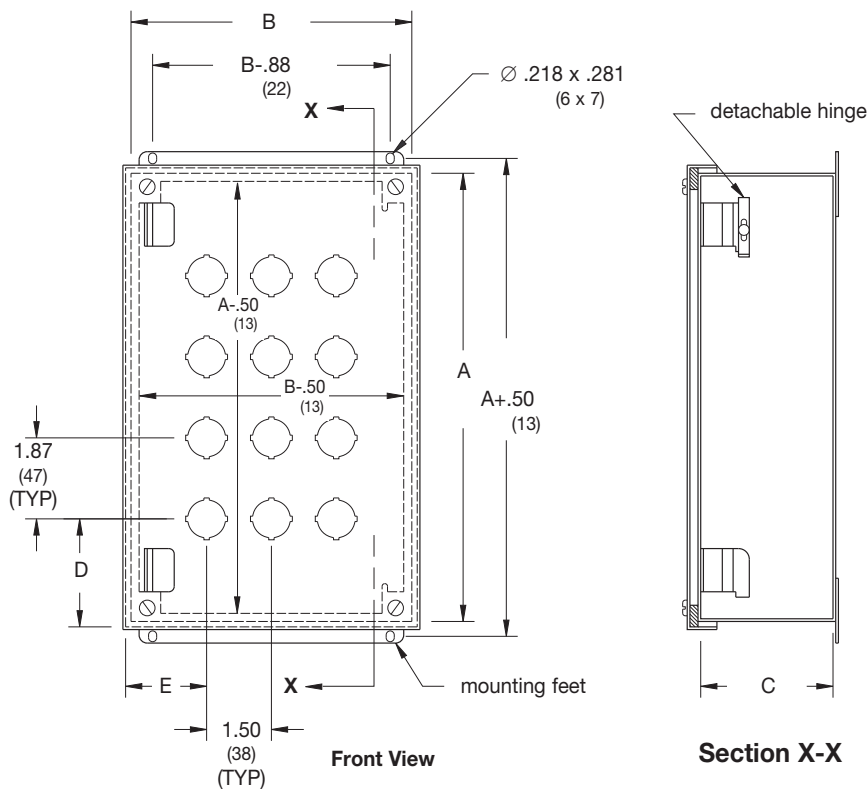
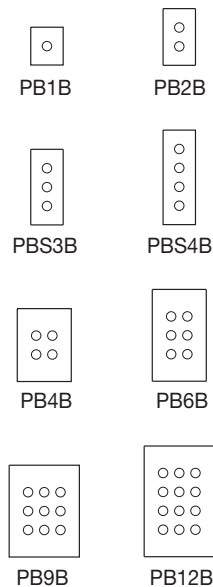
Miniature 4-Way

Notes: Cooper B-Line can provide special sizes, finishes and other holes and cutouts, see page 352. Consult the factory for your special requirements.

Pushbutton Enclosures Type 12 Miniature - 22.5 mm Illustration Sheet and Catalog Number

Enclosure Catalog Number	Holes	Enclosure Size		D		E	
		Height x Width x Depth					
		A x B x C		in.	mm	in.	mm
PB1B*	1	3.25 x 2.75 x 3.50	83 x 70 x 89	1.75	44	1.50	38
PB2B*	2	5.12 x 2.75 x 3.50	130 x 70 x 89	1.75	44	1.50	38
PBS3B*	3	7.00 x 2.75 x 3.50	178 x 70 x 89	1.75	44	1.50	38
PBS4B*	4	8.87 x 2.75 x 3.50	225 x 70 x 89	1.75	44	1.50	38
PB4B	4	6.62 x 5.00 x 3.50	168 x 127 x 89	2.50	64	1.87	47
PB6B	6	8.50 x 5.00 x 4.25	216 x 127 x 108	2.50	64	1.87	47
PB9B	9	8.50 x 6.50 x 4.25	216 x 165 x 108	2.50	64	1.87	47
PB12B	12	10.37 x 6.50 x 4.25	263 x 165 x 108	2.50	64	1.87	47
PB16B	16	10.37 x 8.00 x 4.25	263 x 203 x 108	2.50	64	1.87	47
PB20B	20	12.25 x 8.00 x 4.25	311 x 203 x 108	2.50	64	1.87	47
PB25B	25	12.25 x 9.50 x 4.25	311 x 241 x 108	2.50	64	1.87	47
PB30B	30	14.12 x 9.50 x 4.25	359 x 241 x 108	2.50	64	1.87	47

* Enclosures are not hinged.



Cover Hole
Layout

Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Operator Enclosures

Pushbutton Enclosures

Type 12 Hinge Cover - 30.5 mm With Panel

Data and Illustration Sheet



Application

- Designed to mount standard 30.5 mm oil-tight pushbuttons, pilot lights and switches
- Protects against circulating dust, falling dirt and dripping non-corrosive liquid

Standards

- UL 508 listed, Type 12 and Type 13
- CSA C22.2 No.94 certified, Type 12 and Type 13
- Conforms to NEMA standard for Type 12 and Type 13
- Conforms to JIC standard EGP-1-1967

Finish

- Wash and phosphate undercoat
- ANSI 61 gray polyester powder finish
- Panels have white enamel finish

Accessories

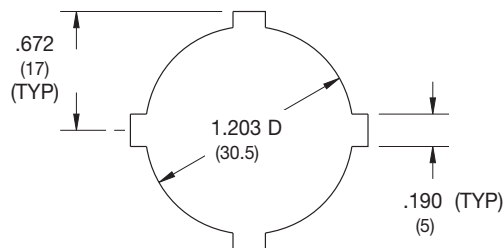
- Hole seals
- Columns and bases
- Touch-up paint
- See accessories section

Construction

- Enclosure and cover are fabricated from (14) gauge steel
- All continuous welded seams are finished smooth
- Cover is secured to the body with a continuous hinge on one side and captive screws which thread into sealed well nuts on the opposite side
- Cover has a fixed oil-resistant gasket
- Weldnut in body of enclosure for grounding
- Cover is pre-punched with standard 30.5 mm “4-way” pushbutton holes
- Heavy gauge panel mounted to weldnuts is provided with enclosure
- External mounting feet are provided for secure wall mounting

Discount Schedule: C2

Subclass: DPO

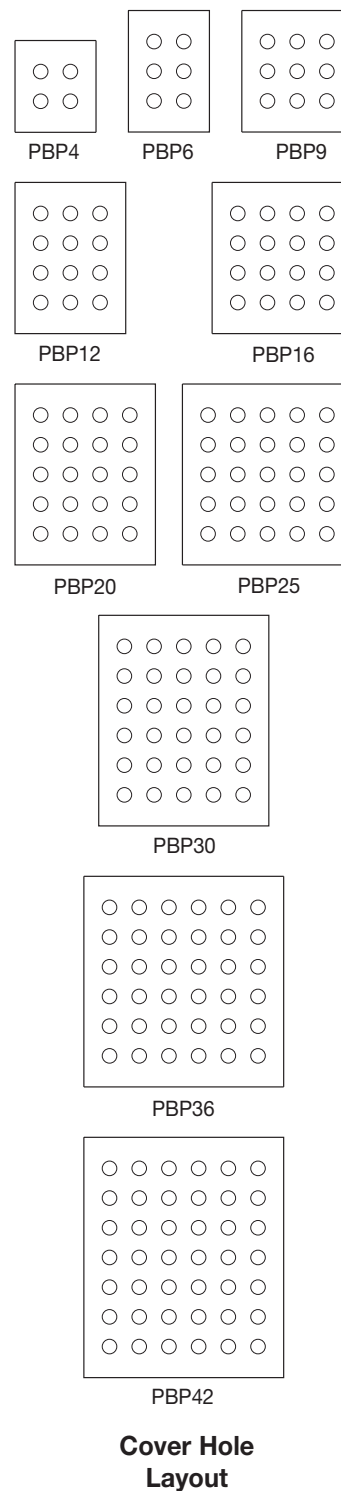
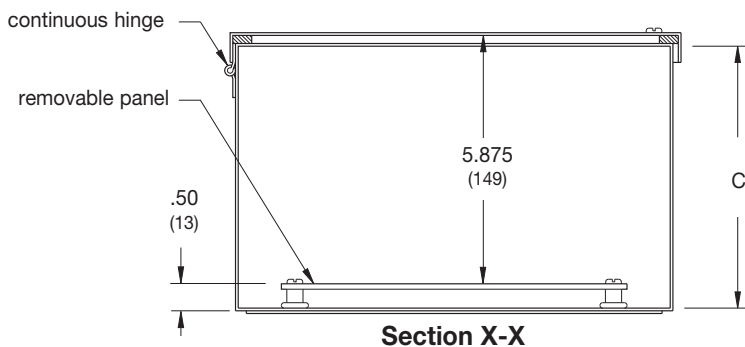
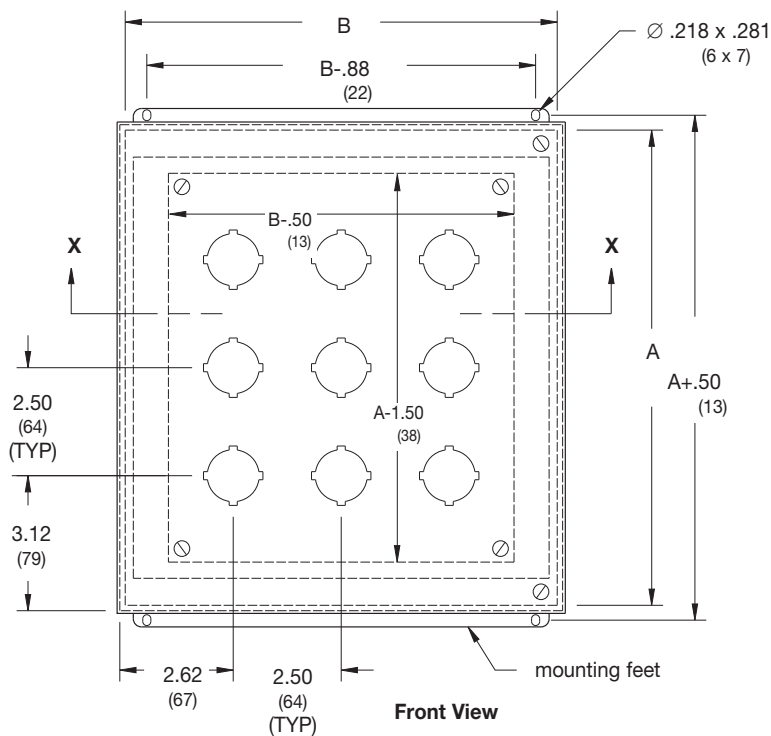


Standard 4-Way

Notes: Cooper B-Line can provide special sizes, finishes and other holes and cutouts, see page 352. Consult the factory for your special requirements.

Pushbutton Enclosures Type 12 Hinge Cover - 30.5 mm With Panel Illustration Sheet and Catalog Number

Enclosure Catalog Number	Holes	Enclosure Size Height x Width x Depth A x B x C		Panel Size Height x Width			
		in.	mm	in.	mm	in.	mm
		PBP4	4	8.50 x 7.50 x 6.00	216 x 191 x 152	6.50	35
PBP6	6	11.00 x 7.50 x 6.00	279 x 191 x 152	9.00	229	5.50	140
PBP9	9	11.00 x 10.00 x 6.00	279 x 254 x 152	9.00	229	8.00	203
PBP12	12	13.50 x 10.00 x 6.00	343 x 254 x 152	11.50	292	8.00	203
PBP16	16	13.50 x 12.50 x 6.00	343 x 318 x 152	11.50	292	10.50	267
PBP20	20	16.00 x 12.50 x 6.00	406 x 318 x 152	14.00	356	10.50	267
PBP25	25	16.00 x 15.00 x 6.00	406 x 381 x 152	14.00	356	13.00	330
PBP30	30	18.50 x 15.00 x 6.00	470 x 381 x 152	16.50	419	13.00	330
PBP36	36	18.50 x 17.50 x 6.00	470 x 445 x 152	16.50	419	15.50	394
PBP42	42	21.00 x 17.50 x 6.00	533 x 445 x 152	19.00	483	15.50	394



Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Operator Enclosures

Pushbutton Enclosures Type 12 Angle Front - 30.5 mm Data and Illustration Sheet

Operator Enclosures



Application

- Designed to mount standard 30.5 mm oil-tight pushbuttons, pilot lights and switches
- Designed with angle front for mounting in either 30° or 60° positions
- Protects against circulating dust, falling dirt and dripping non-corrosive liquid

Standards

- UL 508 listed, Type 12 and Type 13
- CSA C22.2 No.94 certified, Type 12 and Type 13
- Conforms to NEMA standard for Type 12 and Type 13
- Conforms to JIC standard EGP-1-1967

Finish

- Wash and phosphate undercoat
- ANSI 61 gray polyester powder finish

Accessories

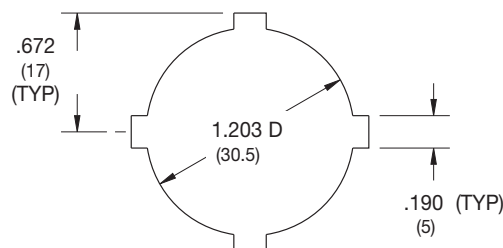
- Hole seals
- Columns and bases
- Touch-up paint
- See accessories section

Construction

- Enclosure and cover are fabricated from (14) gauge steel
- All continuous welded seams are finished smooth
- Cover is attached with captive screws which thread into sealed well nuts
- Covers more than 3.25 inches high have concealed, detachable hinges which allow for quick removal and can be hinged on either side
- Cover has a fixed oil-resistant gasket
- Weldnut in body of enclosure for grounding
- Cover is pre-punched with standard 30.5 mm “4-way” pushbutton holes
- External mounting feet are provided for secure wall mounting

Discount Schedule: C2

Subclass: DPO



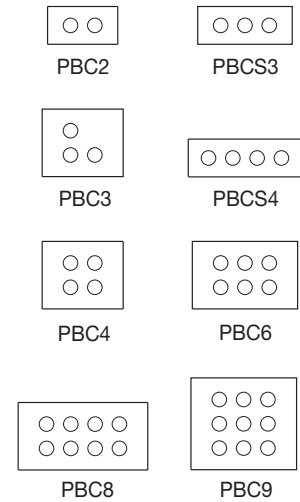
Standard 4-Way

Notes: Cooper B-Line can provide special sizes, finishes and other holes and cutouts, see page 352.
Consult the factory for your special requirements.

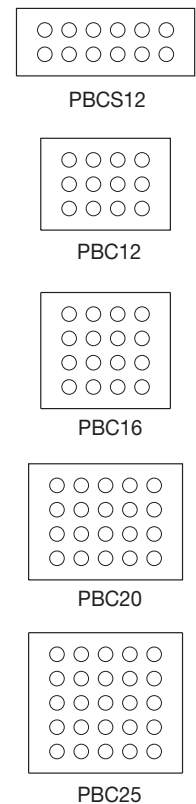
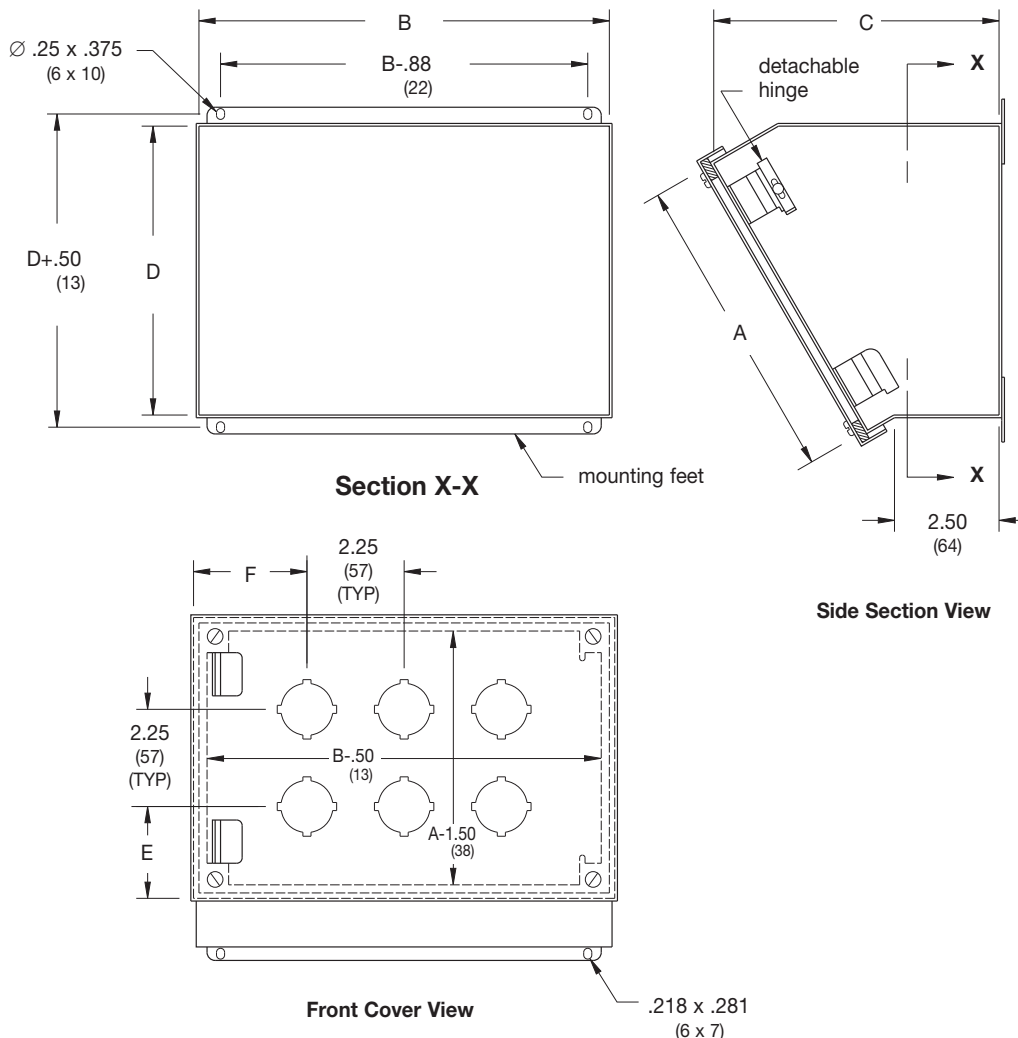
Pushbutton Enclosures Type 12 Angle Front - 30.5 mm Illustration Sheet and Catalog Number

Enclosure Catalog Number	Holes	Enclosure Size Height x Width x Depth		D		E		F	
		A x B x C							
		in.	mm	in.	mm	in.	mm	in.	mm
PBC2*	2	3.25 x 6.25 x 4.81	83 x 159 x 122	3.31	84	1.75	44	2.12	54
PBCS3*	3	3.25 x 8.50 x 4.81	83 x 216 x 122	3.31	84	1.75	44	2.12	54
PBC3	3	6.25 x 7.25 x 6.37	159 x 184 x 162	5.90	150	2.12	54	2.62	67
PBCS4*	4	3.25 x 10.25 x 4.81	83 x 260 x 122	3.31	84	1.75	44	1.87	47
PBC4	4	6.25 x 7.25 x 6.37	159 x 184 x 162	5.90	150	2.12	54	2.62	67
PBC6	6	6.25 x 9.50 x 6.37	159 x 241 x 162	5.90	150	2.12	54	2.62	67
PBC8	8	6.25 x 11.75 x 6.37	159 x 298 x 162	5.90	150	2.12	54	2.62	67
PBC9	9	9.50 x 8.50 x 7.88	241 x 216 x 200	8.84	225	2.12	54	2.62	67
PBCS12*	12	6.25 x 16.25 x 6.37	159 x 413 x 162	5.90	150	2.12	54	2.62	67
PBC12	12	8.50 x 11.75 x 7.50	216 x 298 x 191	7.84	199	2.12	54	2.62	67
PBC16	16	10.75 x 11.75 x 8.62	273 x 298 x 219	9.78	248	2.12	54	2.62	67
PBC20	20	10.75 x 14.00 x 8.62	273 x 356 x 219	9.78	248	2.12	54	2.62	67
PBC25	25	13.00 x 14.00 x 9.75	330 x 356 x 248	11.75	298	2.12	54	2.62	67

* Enclosures are not hinged.



Operator Enclosures

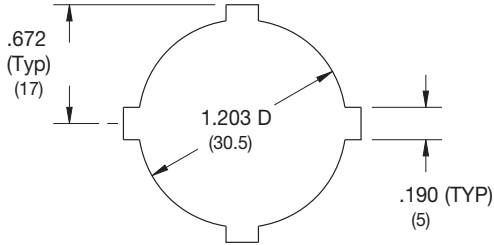


Cover Hole
Layout

Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

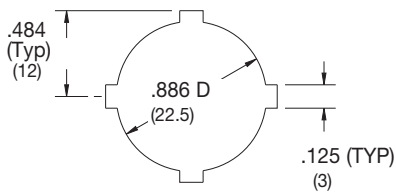
Operator Enclosures

Pushbutton Enclosures Hole and Cutout Information Illustration Sheet



Standard 4-Way (Type S4-WAY)

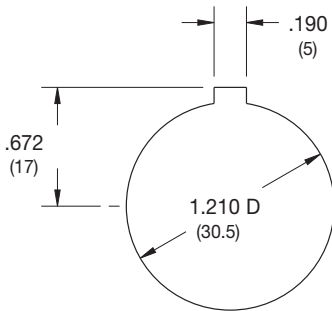
Cooper B-Line's standard 4-way pushbutton hole will accommodate all standard size pushbutton, pilot lights and selector switches. The hole is designed to orient the device and legend plate in one of four different positions. Furnished on "PB", "PBX", "PBP", "PBC", "PBCS", "PV", "PVX", "PVS" and "P" style enclosures.



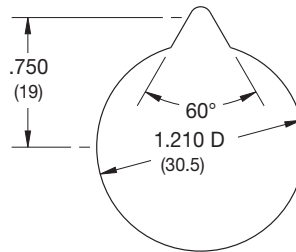
Miniature 4-Way (Type: M4-WAY)

Cooper B-Line's miniature 4-way pushbutton hole will accommodate miniature size pushbuttons, pilot lights and selector switches. The hole is designed to orient the device and legend plate in one of four different positions. Furnished on "PB-M" and "PB-B" style enclosures.

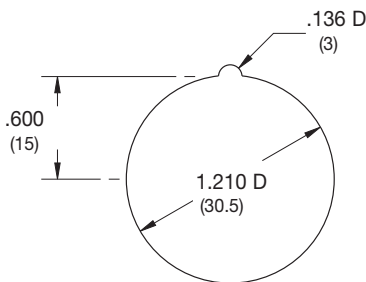
Custom Holes and Cutouts



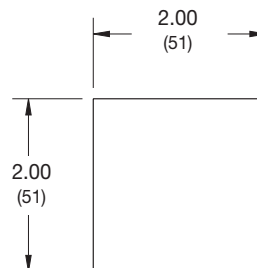
Type: C-101



Type C-102



Type: C-103



Type C-201

Notes: When specifying hole types "C-101", "C-102" and "C-103" indicate orientation of "key". Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Consolet Type 12 Data Sheet



Application

- Houses electrical controls and instruments
- Designed with angle front for mounting in either 30° or 60° position
- Protects against circulating dust, falling dirt and dripping non-corrosive liquids

Standards

- UL 508 listed, Type 12 and Type 13
- CSA C22.2 No.94 certified, Type 12 and Type 13
- Conforms to NEMA standard for Type 12 and Type 13
- Conforms to JIC standard EGP-1-1967

Finish

- Wash and phosphate undercoat
- ANSI 61 gray polyester powder finish
- Stainless steel enclosure cover and sides of body have a smooth brushed finish

Accessories

- Columns and bases
- Touch-up paint
- See Accessories section

Construction

- Enclosure and cover are fabricated from (14) gauge steel or Type 304 stainless steel
- All continuous welded seams are finished smooth
- Cover is secured to the body with a continuous hinge on one side and captive screws which thread into sealed well nuts on the opposite side
- Cover has a fixed oil-resistant gasket
- Ground stud provided on cover

Discount Schedule: G2

Subclass: DQ0

Notes: Cooper B-Line can provide special sizes, finishes and other modifications. Consult the factory for your special requirements.

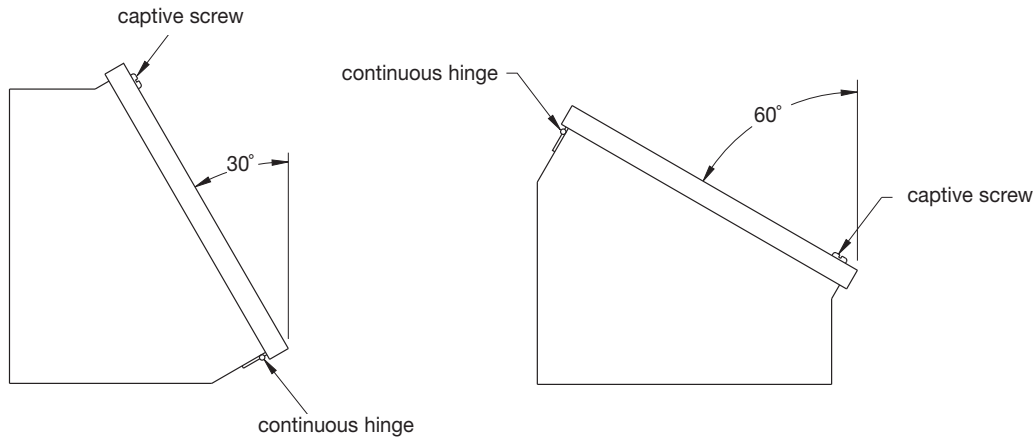
Operator Enclosures

Consolet Type 12

Illustration Sheet and Catalog Number

Operator Enclosures

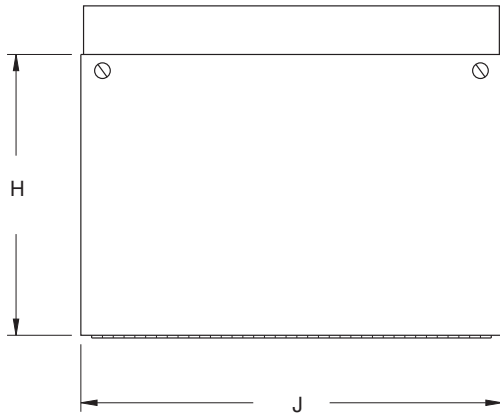
Enclosure Catalog Number		Enclosure Size Height x Width x Depth A x B x C		D		E		F		G		H		J	
Steel	Type 304 Stainless	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm
AC-8C8	AC-8C8SS	8.00 x 8.00 x 7.12	203 x 203 x 181	5.62	143	7.50	191	6.62	168	7.37	187	8.25	210	8.25	210
AC-8C12	AC-8C12SS	8.00 x 12.00 x 7.12	203 x 305 x 181	5.62	143	7.50	191	6.62	168	11.37	289	8.25	210	12.25	311
AC-8C16	AC-8C16SS	8.00 x 16.00 x 7.12	203 x 406 x 181	5.62	143	7.50	191	6.62	168	15.37	390	8.25	210	16.25	413
AC-8C20	AC-8C20SS	8.00 x 20.00 x 7.12	203 x 508 x 181	5.62	143	7.50	191	6.62	168	19.37	492	8.25	210	20.25	514
AC-12C12	AC-12C12SS	12.00 x 12.00 x 9.12	305 x 305 x 232	7.62	194	11.00	279	10.62	270	11.37	289	12.25	311	12.25	311
AC-12C16	AC-12C16SS	12.00 x 16.00 x 9.12	305 x 406 x 232	7.62	194	11.00	279	10.62	270	15.37	390	12.25	311	16.25	413
AC-12C20	AC-12C20SS	12.00 x 20.00 x 9.12	305 x 508 x 232	7.62	194	11.00	279	10.62	270	19.37	492	12.25	311	20.25	514
AC-12C24	AC-12C24SS	12.00 x 24.00 x 9.12	305 x 610 x 232	7.62	194	11.00	279	10.62	270	23.37	594	12.25	311	24.25	616
AC-16C16	AC-16C16SS	16.00 x 16.00 x 11.12	406 x 406 x 282	9.62	244	14.50	368	14.62	371	15.37	390	16.25	413	16.25	413
AC-16C20	AC-16C20SS	16.00 x 20.00 x 11.12	406 x 508 x 282	9.62	244	14.50	368	14.62	371	19.37	492	16.25	413	20.25	514
AC-16C24	AC-16C24SS	16.00 x 24.00 x 11.12	406 x 610 x 282	9.62	244	14.50	368	14.62	371	23.37	594	16.25	413	24.25	616
AC-16C30	AC-16C30SS	16.00 x 30.00 x 11.12	406 x 762 x 282	9.62	244	14.50	368	14.62	371	29.37	746	16.25	413	30.25	768
AC-16C36	AC-16C36SS	16.00 x 36.00 x 11.12	406 x 914 x 282	9.62	244	14.50	368	14.62	371	35.37	898	16.25	413	36.25	921
AC-20C20	AC-20C20SS	20.00 x 20.00 x 13.12	508 x 508 x 333	11.62	295	18.00	457	18.62	473	18.62	473	20.25	514	20.25	514
AC-20C24	AC-20C24SS	20.00 x 24.00 x 13.12	508 x 610 x 333	11.62	295	18.00	457	18.62	473	22.62	574	20.25	514	24.25	616
AC-20C30	AC-20C30SS	20.00 x 30.00 x 13.12	508 x 762 x 333	11.62	295	18.00	457	18.62	473	28.62	727	20.25	514	30.25	768



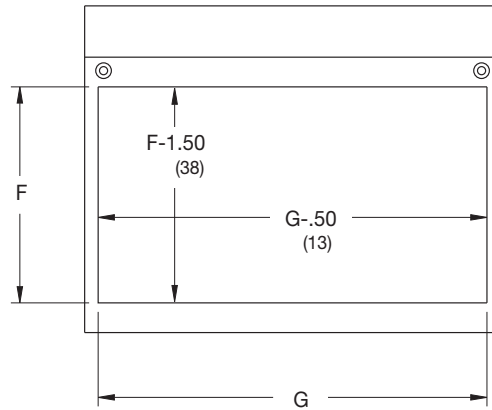
Typical Mounting Configurations
Side Views

Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

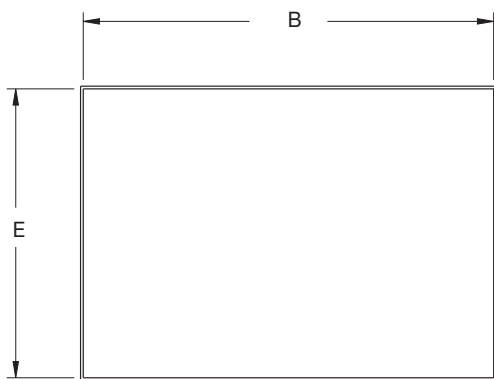
Consolet Type 12 Illustration Sheet



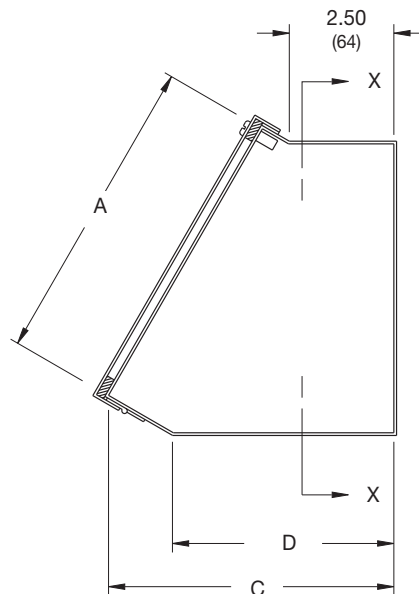
Front Cover View



Enclosure Opening View
(cover and hinge removed)



Section X-X



Side Section View

Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Operator Enclosures

Console

Type 12 - AW-9

Data Sheet and Catalog Number

Operator Enclosures



Application

- Houses electrical controls and instruments
- Designed with 45° angle top surface for pushbuttons, pilot lights, switches, or other monitoring devices
- Protects against circulating dust, falling dirt and dripping non-corrosive liquids

Standards

- UL 508 listed, Type 12
- CSA C22.2 No.94 certified, Type 12
- Conforms to NEMA standard for Type 12

Construction

- Console, panel cover and door are fabricated from (14) gauge steel
- All continuous welded seams are finished smooth
- Panel cover is secured to the body with a continuous hinge along the front side and captive screws which thread into sealed well nuts on the other three sides
- Cover stops allow the panel cover to be held in the open position
- Front access door is secured to the body with a heavy-duty continuous hinge on one side and a 3-point locking handle which latches to the opposite side
- Print pocket provided
- Panel cover and front door have a fixed oil-resistant gasket
- .375-16 collar studs are provided on back and both side walls for mounting optional panel

Finish

- Wash and phosphate undercoat
- ANSI 61 gray polyester powder finish

Accessories

- Panels
- NEMA terminal strap kit
- Terminal blocks
- Caster kit
- Touch-up paint
- Replacement handle, 25228C, see page 421
- See Accessories section

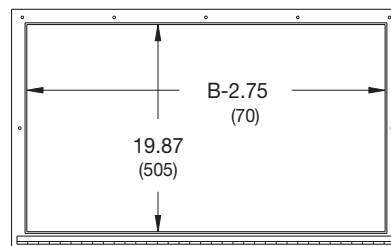
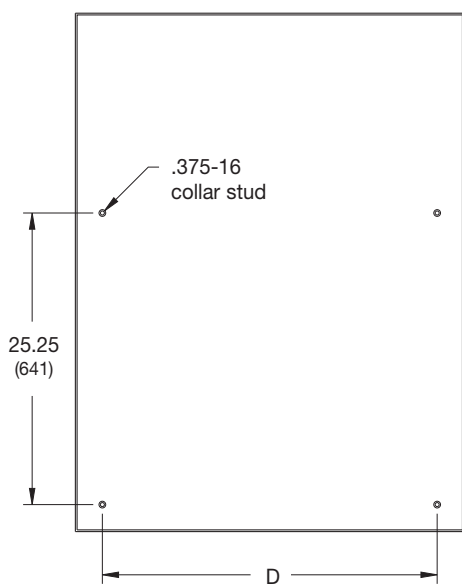
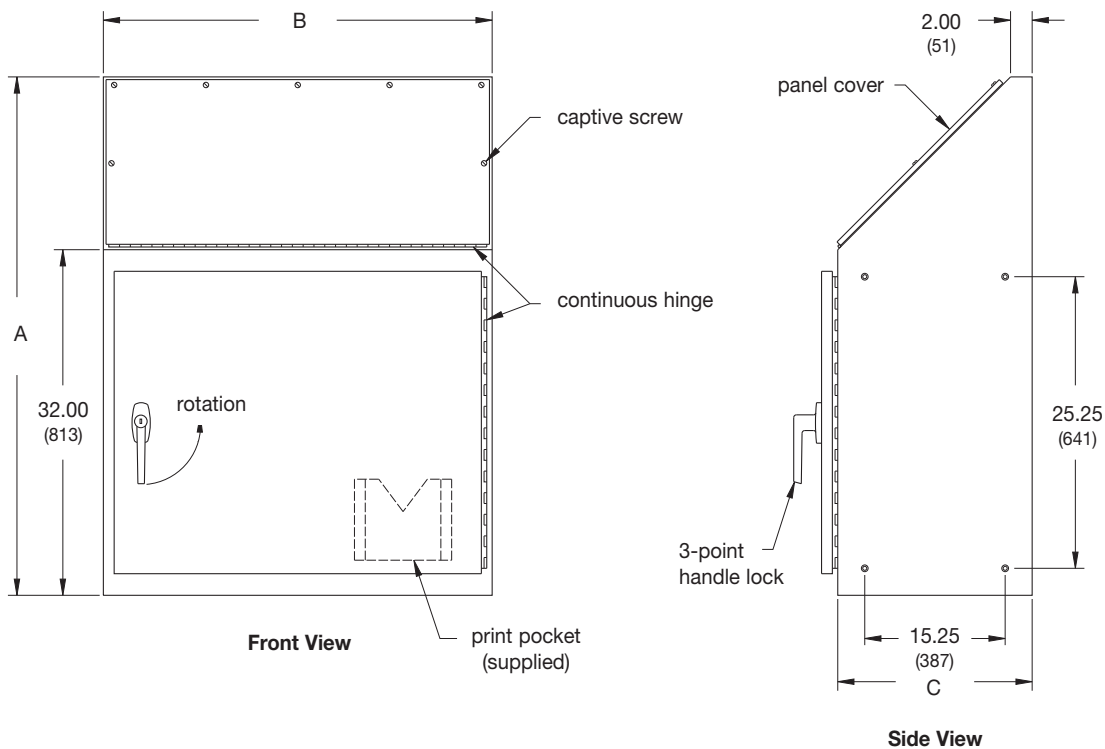
Discount Schedule: C2

Subclass: DRO

Consoles Catalog Number	Console Size Height x Width x Depth A x B x C		D		Back Panel Catalog Number	Panel Size Height x Width A x B		Side Panel Catalog Number	Panel Size Height x Width A x B	
	in.	mm	in.	mm		in.	mm		in.	mm
AC-924B	48.00 x 24.00 x 18.00	1219 x 610 x 457	15.25	387	AW3020P	26.87 x 16.87	682 x 428	AW3020P	26.87 x 16.87	682 x 428
AC-936B	48.00 x 36.00 x 18.00	1219 x 914 x 457	25.25	641	AW3030P	26.87 x 26.87	682 x 682	AW3020P	26.87 x 16.87	682 x 428

Notes: Cooper B-Line can provide special sizes, finishes and other modifications. Consult the factory for your special requirements.

Console Type 12 - AW-9 Illustration Sheet



Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Operator Enclosures

Console Type 12 - AW-12 Data Sheet and Catalog Number

Operator Enclosures



Application

- Houses electrical controls and instruments
- Designed with an angled top and front surface for pushbuttons, pilot lights, switches or other monitoring devices
- Protects against circulating dust, falling dirt and dripping non-corrosive liquids

Standards

- UL 508 listed, Type 12
- CSA C22.2 No.94 certified, Type 12
- Conforms to NEMA standard for Type 12

Finish

- Wash and phosphate undercoat
- ANSI 61 gray polyester powder finish
- Optional top assembly and writing desk have an ANSI 61 gray polyester powder finish
- Panels have a white enamel finish

Accessories

- Terminal blocks
- Caster kit
- Touch-up paint
- See Accessories section
- Replacement handle, 25228C, see page 421

Construction

- Console body, panel cover and door, top assembly and writing desk are fabricated from (14) gauge steel
- All continuous welded seams are finished smooth
- Panel cover is secured to the body with a continuous hinge along the front side and captive screws which thread into sealed well nuts on the other three sides
- Cover stops allow the panel cover to be held in the open position
- Consoles 36 inches wide or less have a single front access door with a heavy-duty continuous hinge on one side and 3-pt locking handle on the opposite side
- Consoles wider than 36 inches have double front access doors with heavy-duty continuous hinge and center locating 3-point locking handle which closes right side door over left
- Print pocket provided
- Panel cover, front door and top assembly covers have a fixed oil-resistant gasket
- Removable panel mounted on .375-16 collar studs is located behind the console body door
- Optional top assembly has a front-mounted instrument panel cover and rear-mounted access panel cover
- Optional writing desk is available for convenient front mounting

Discount Schedule: C2

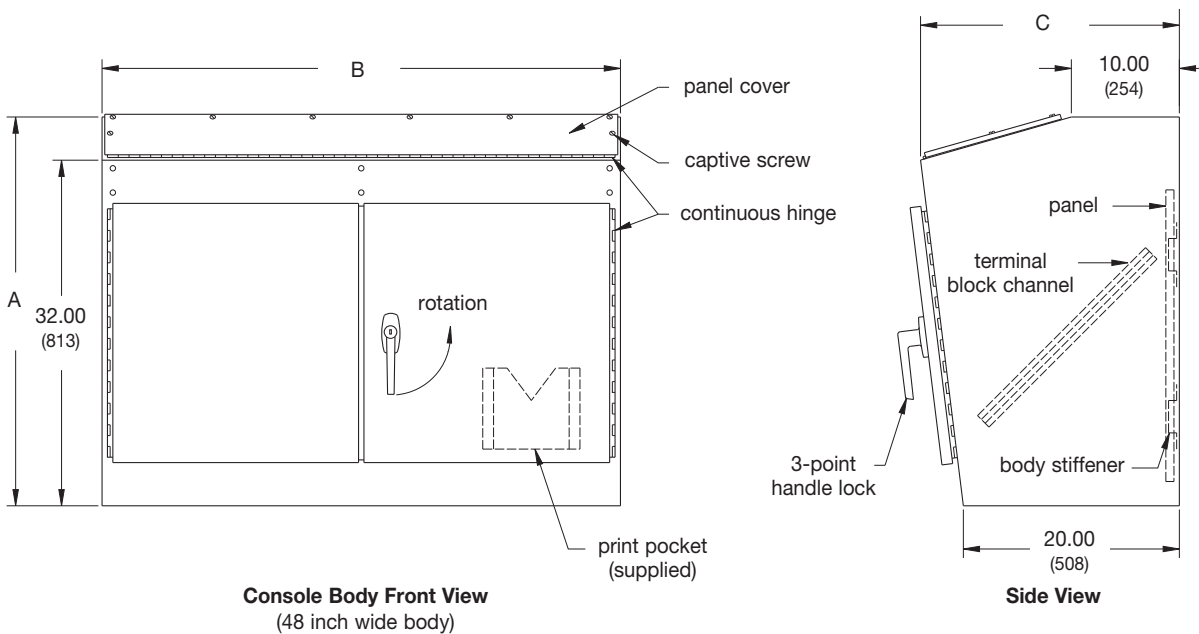
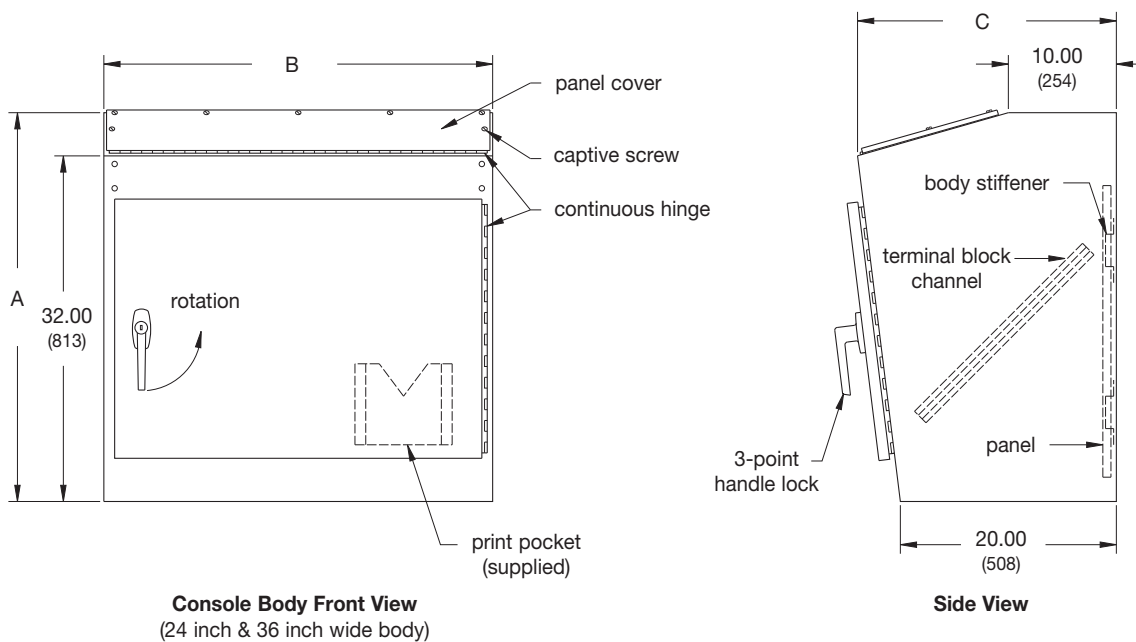
Subclass: DRO

Console Body Catalog Number	Console Body Size Height x Width x Depth A x B x C		Panel Size Optional Height x Width		Top Assembly Optional Catalog Number	Writing Desk Catalog Number
	in.	mm	in.	mm		
AC-1224B	36.00 x 24.00 x 24.00	914 x 610 x 610	26.87 x 16.87	682 x 428	AC-1224T	AC-1224W*
AC-1236B	36.00 x 36.00 x 24.00	914 x 914 x 610	26.87 x 26.87	682 x 682	AC-1236T	AC-1236W*
AC-1248B	36.00 x 48.00 x 24.00	914 x 1219 x 610	26.87 x 38.87	682 x 987	AC-1248T	AC-1248W*

* Not UL or CSA listed

Notes: Cooper B-Line can provide special sizes, finishes and other modifications. Consult the factory for your special requirements.

Console Type 12 - AW-12 Illustration Sheet

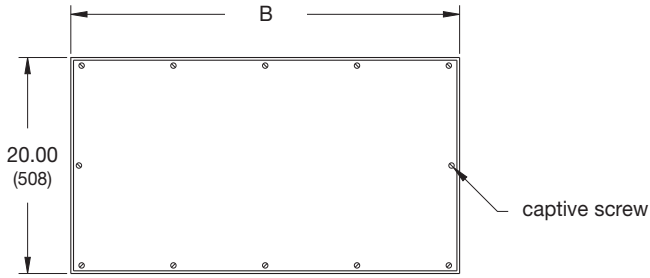


Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

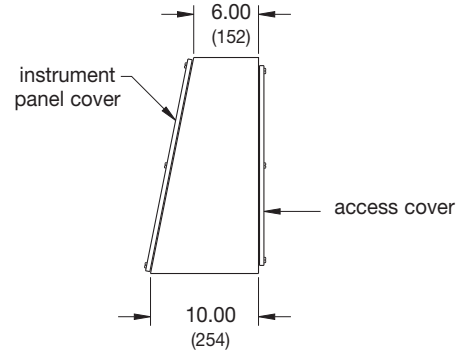
Operator Enclosures

Console Type 12 - AW-12 Illustration Sheet

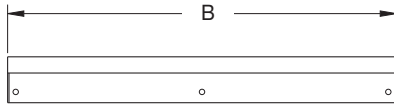
Operator Enclosures



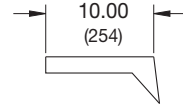
Top Assembly
Front View



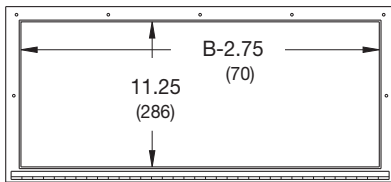
Side View



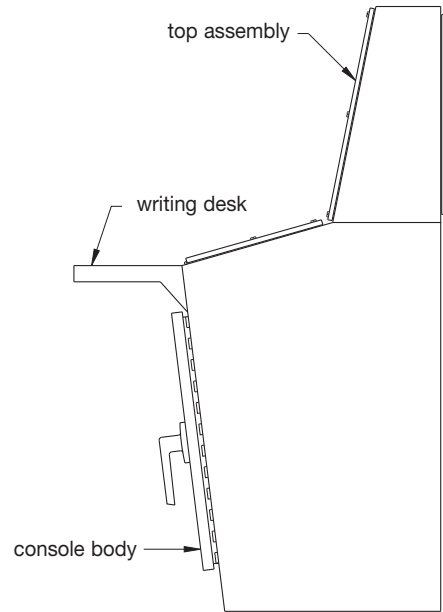
Writing Desk
Front View
(*not UL or CSA listed)



Side View



Panel Cover Opening
(panel cover removed)



Typical Assembly

Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Console Type 12 - AW-14 Data Sheet



Application

- Houses electrical controls and instruments
- Designed with a 60° angle top surface for pushbuttons, pilot lights, switches or other monitoring devices
- Protects against circulating dust, falling dirt and dripping non-corrosive liquids

Standards

- UL 508 listed, Type 12
- CSA C22.2 No.94 certified, Type 12
- Conforms to NEMA standard for Type 12

Construction

- Console body, panel cover and door, top assembly and writing desk are fabricated from (14) gauge steel
- All continuous welded seams are finished smooth
- Panel cover is secured to the body with a continuous hinge along the front side and captive screws which thread into sealed well nuts on the other three sides
- Cover stops allow the panel cover to be held in the open position
- Consoles 36 inches wide or less have a single front and rear access door with a heavy-duty continuous hinge on one side and a 3-point locking handle on the opposite side
- Consoles wider than 36 inches have double front and rear access doors with a heavy-duty continuous hinge and a center locating 3-point locking handle which closes right side door over left
- Mounting channels are welded inside for locating optional panel along console depth
- Front door has a print pocket
- Panel cover, front door and top assembly covers have fixed oil-resistant gaskets
- Optional top assembly has front mounted instrument panel cover(s) and rear mounted access panel cover(s)
- An optional writing desk is available with convenient front mounting

Finish

- Wash and phosphate undercoat
- ANSI 61 gray polyester powder finish
- Optional top assembly and writing desk have an ANSI 61 gray polyester powder finish

Accessories

- NEMA terminal strap kit
- Terminal blocks
- Swing panels
- Full and half panels
- Channel mounting hardware
- Caster kit
- Touch-up paint
- Replacement handle, 25228C, see page 421
- See Accessories section

Discount Schedule: C2

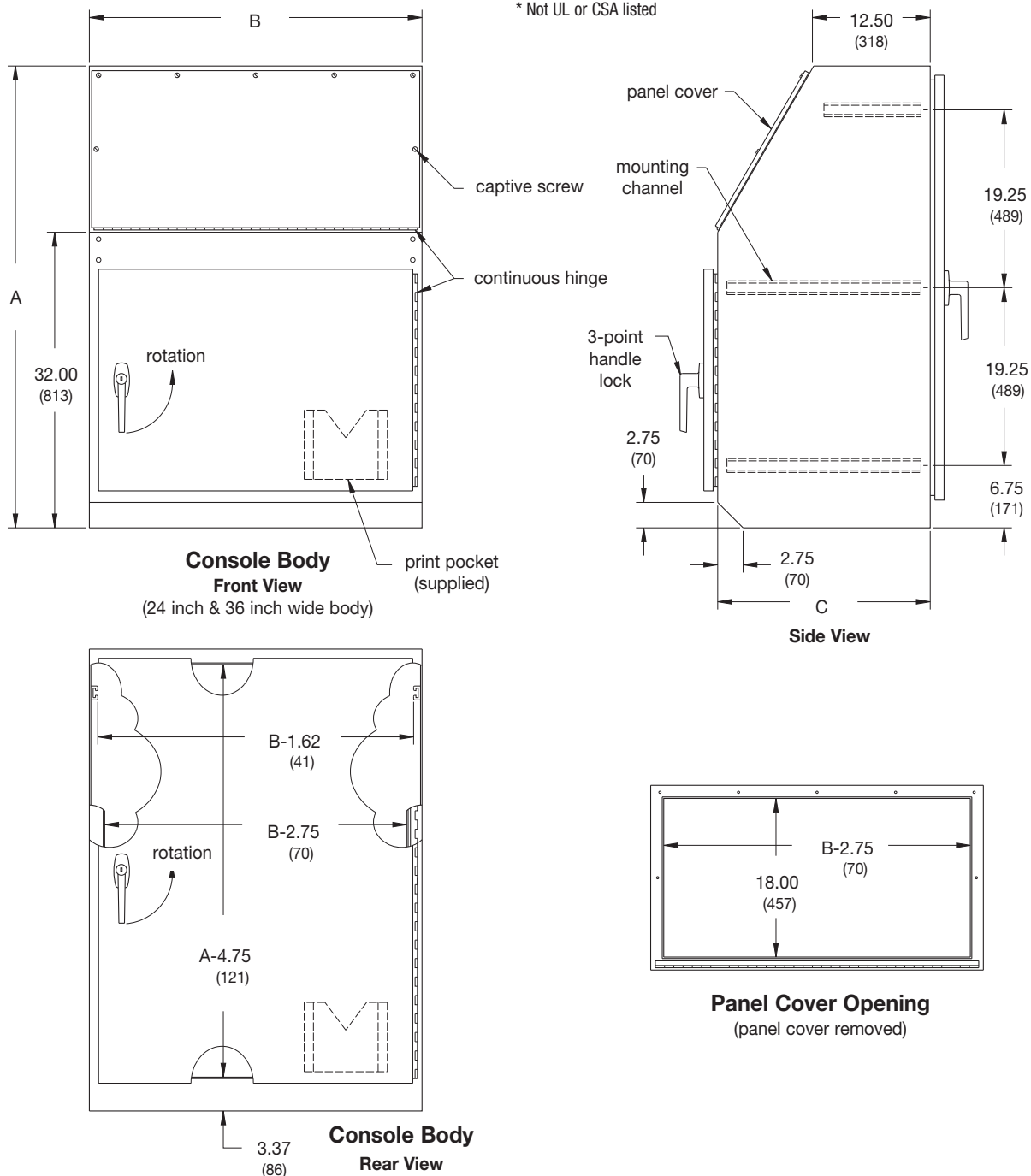
Subclass: DR0

Notes: Cooper B-Line can provide special sizes, finishes and other modifications. Consult the factory for your special requirements.

Operator Enclosures

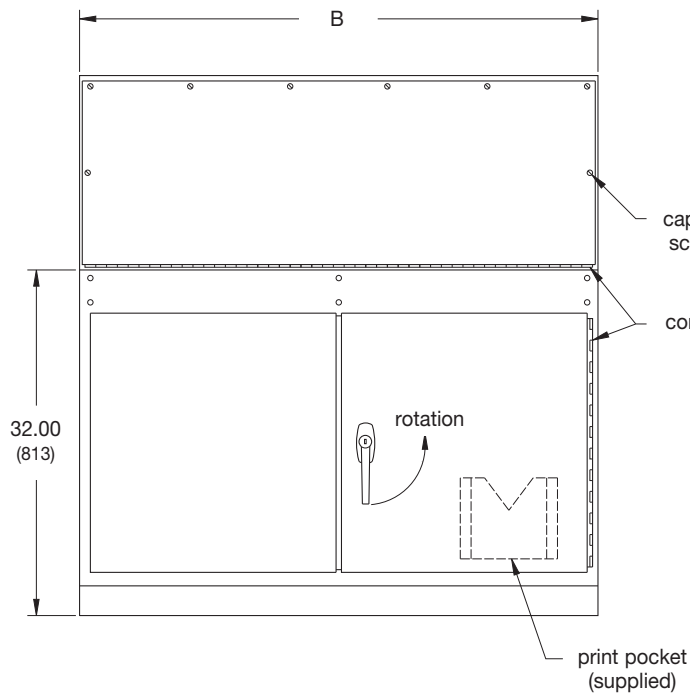
Console Type 12 - AW-14 Illustration Sheet and Catalog Number

Console Body Catalog Number	Console Body Size Height x Width x Depth A x B x C		Top Assembly Optional	Writing Desk Optional
	in.	mm	Catalog Number	Catalog Number
AC-1424B	50.00 x 24.00 x 23.00	1270 x 610 x 584	AC-1424T	AC-1424W*
AC-1436B	50.00 x 36.00 x 23.00	1270 x 914 x 584	AC-1436T	AC-1436W*
AC-1448B	50.00 x 48.00 x 23.00	1270 x 1219 x 584	AC-1448T	AC-1448W*
AC-1460B	50.00 x 60.00 x 23.00	1270 x 1524 x 584	AC-1460T	AC-1460W*
AC-1472B	50.00 x 72.00 x 23.00	1270 x 1829 x 584	AC-1472T	AC-1472W*

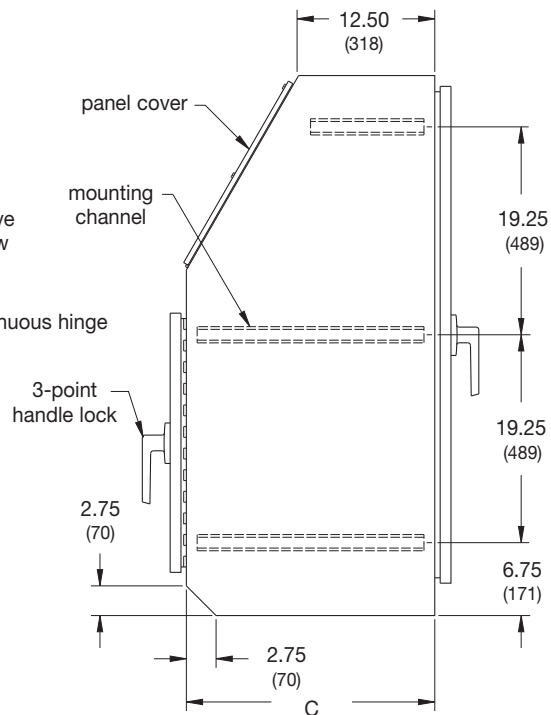


Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

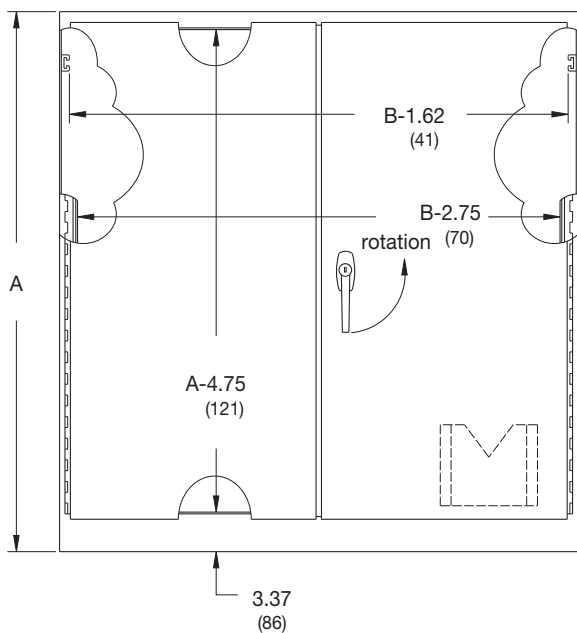
Console Type 12 - AW-14 Illustration Sheet



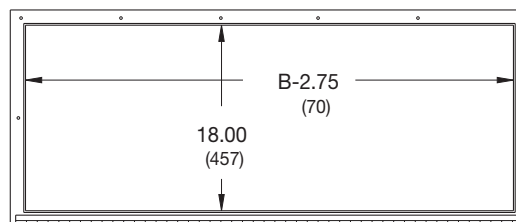
Console Body
Front View
(48 inch wide body)



Side View



Console Body
Rear View



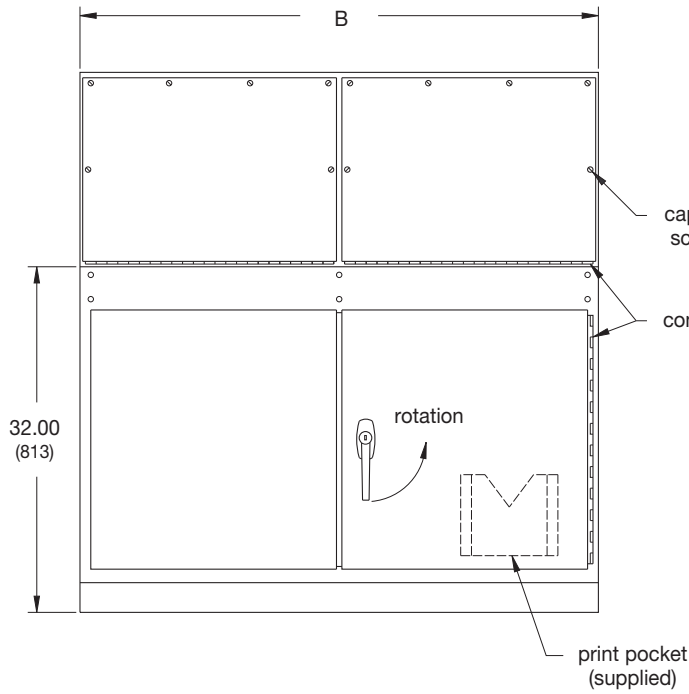
Panel Cover Opening
(panel cover removed)

Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

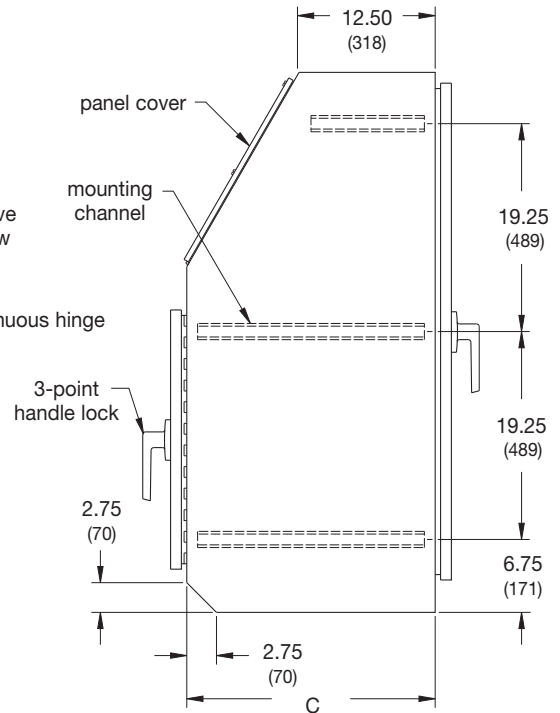
Operator Enclosures

Console Type 12 - AW-14 Illustration Sheet

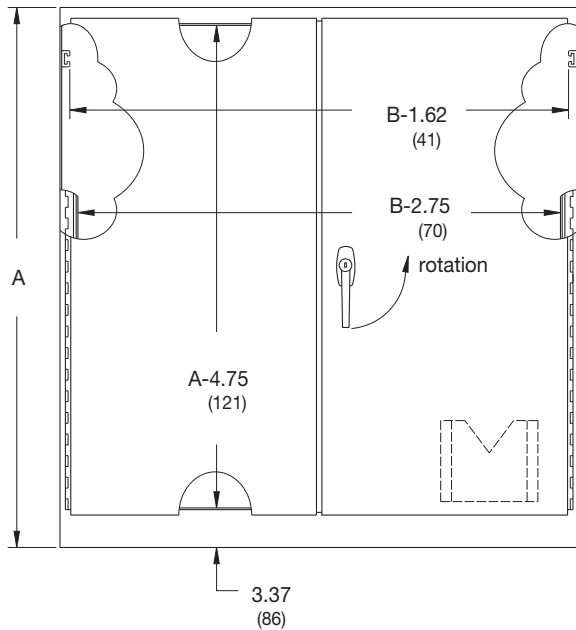
Operator Enclosures



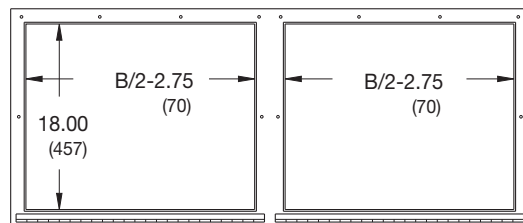
Console Body Front View
(60 inch & 70 inch wide body)



Side View



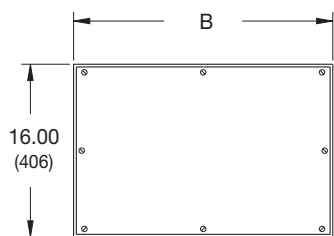
Console Body Rear View



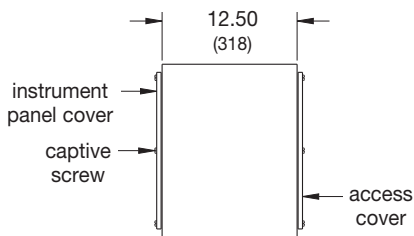
Panel Cover Opening
(panel cover removed)

Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

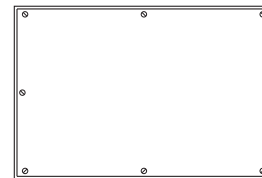
Console Type 12 - AW-14 Illustration Sheet



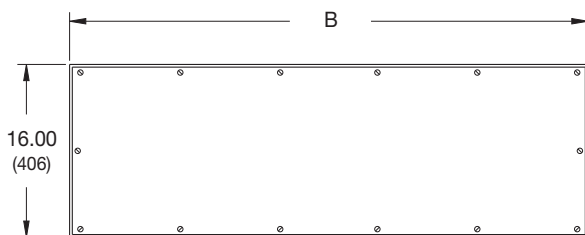
Top Assy Front View
(24 inch (610 mm) & 36 inch (914 mm) wide body)



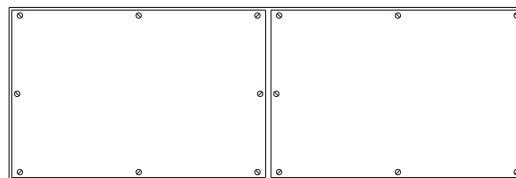
Side View
(typical all top assy)



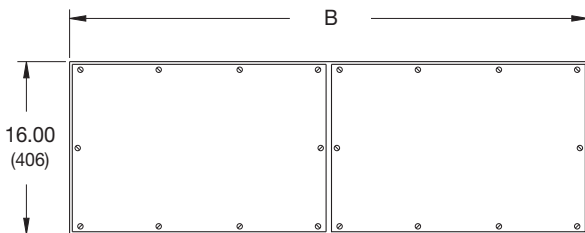
Top Assy Rear View
(24 inch (610 mm) & 36 inch (914 mm) wide body)



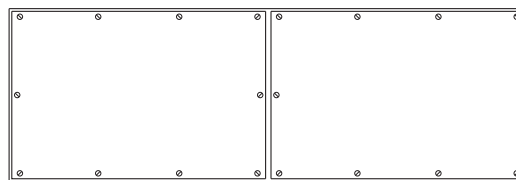
Top Assy Front View
(48 inch (1219 mm) wide body)



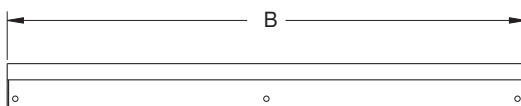
Top Assy Rear View
(48 inch (1219 mm) wide body)



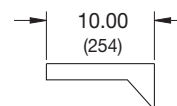
Top Assy Front View
(60 inch (1524 mm) & 72 inch (1829 mm) wide body)



Top Assy Rear View
(60 inch (1524 mm) & 72 inch (1829 mm) wide body)



Writing Desk Front View
(* not UL or CSA listed)



Side View

Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Operator Enclosures

Console Accessories

Type 12 - AW-14

Full and Half Panel

Illustration Sheet and Catalog Number

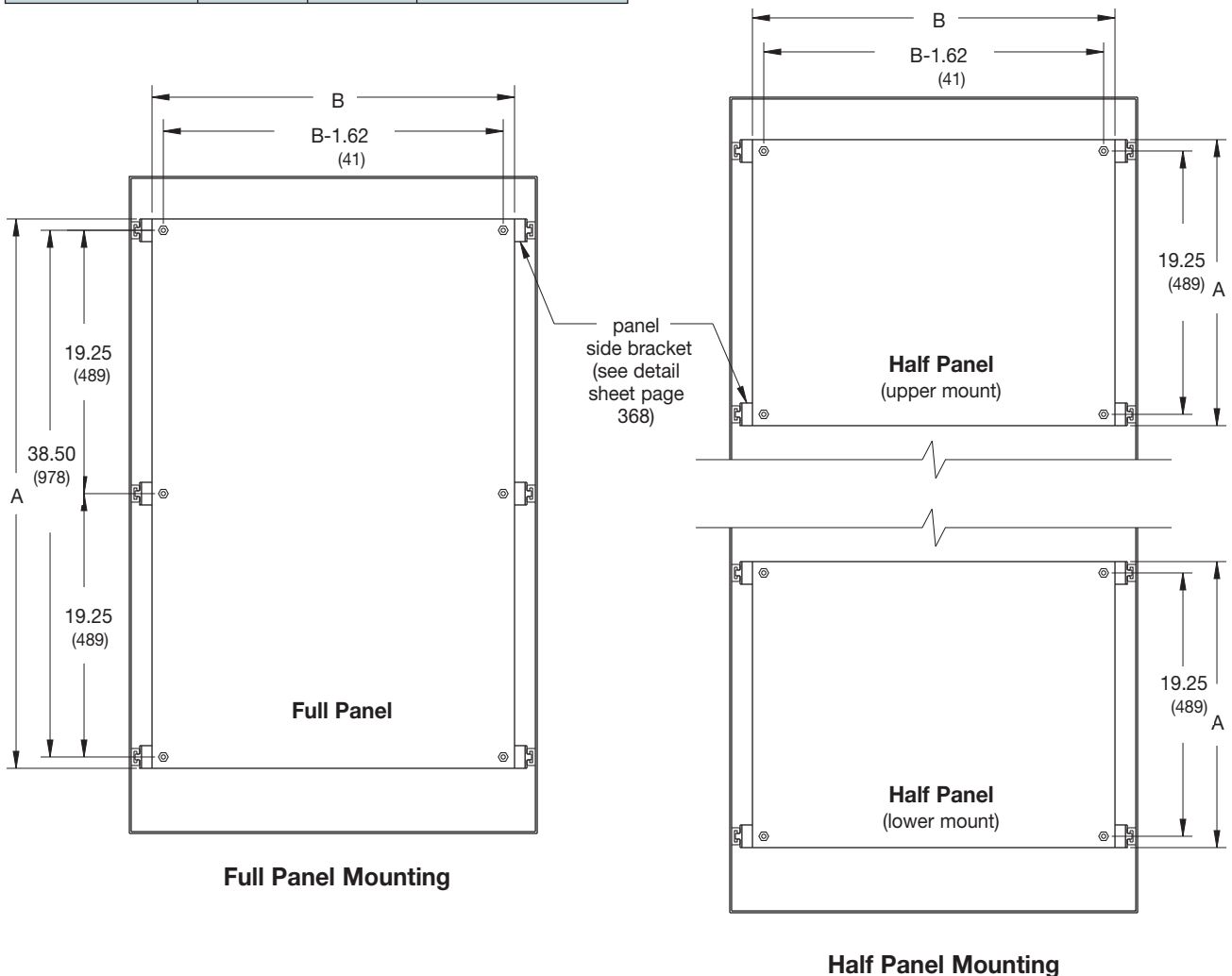
Discount Schedule: C2

Subclass: DRO

Operator Enclosures

Full Panel			
Panel Catalog Number	Panel Size Height x Width A x B		Fits Console Body Catalog Number
	in.	mm	
AC-1424P	40.12 x 19.87	1019 x 505	AC-1424B
AC-1436P	40.12 x 31.87	1019 x 809	AC-1436B
AC-1448P	40.12 x 43.87	1019 x 1114	AC-1448B
AC-1460P	40.12 x 55.87	1019 x 1419	AC-1460B
AC-1472P	40.12 x 67.87	1019 x 1724	AC-1472B

Half Panel			
Panel Catalog Number	Panel Size Height x Width A x B		Fits Console Body Catalog Number
	in.	mm	
AC-1424HP	20.87 x 19.87	530 x 505	AC-1424B
AC-1436HP	20.87 x 31.87	530 x 809	AC-1436B
AC-1448HP	20.87 x 43.87	530 x 1114	AC-1448B
AC-1460HP	20.87 x 55.87	530 x 1419	AC-1460B



Full panel and half panel for consoles are (12) gauge steel and furnished with panel brackets and all hardware necessary for channel and panel mounting. Half panels can be mounted in either the upper or lower portion of the console. Console body design permits the panel to adjust along the depth of the enclosure. Full panel and half panel can be mounted back-to-back.

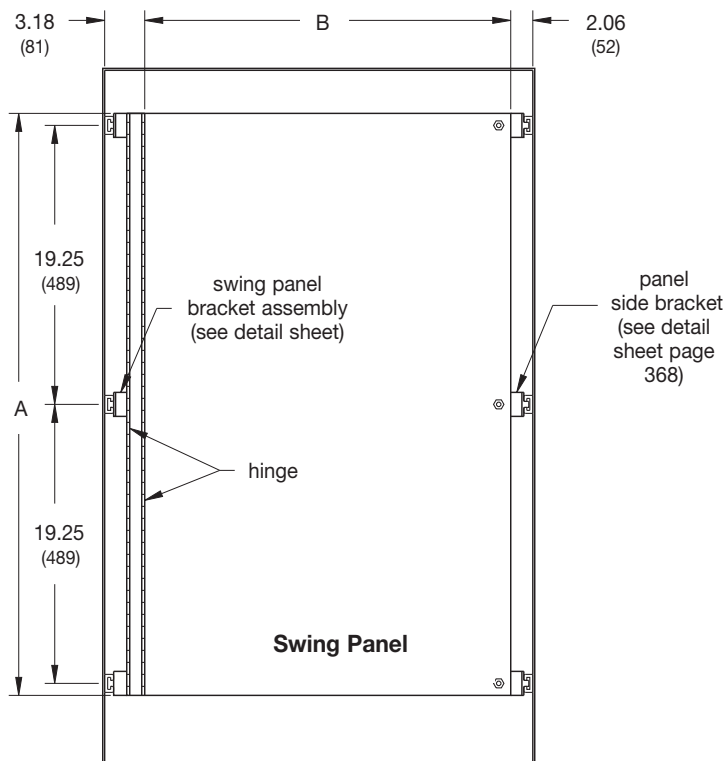
Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Console Accessories Type 12 - AW-14 Swing Panel and Terminal Strap Kit Illustration Sheet and Catalog Number

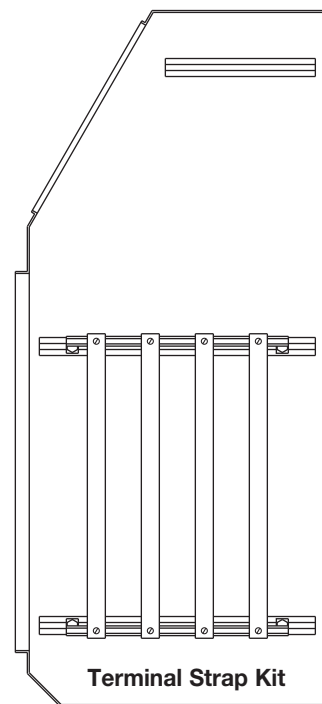
Discount Schedule: C2
Subclass: DRO

Swing Panel			
Panel	Panel Size Height x Width A x B		Fits Console Body
Catalog Number	in.	mm	Catalog Number
AC-1424SWP	40.12	1019	AC-1424B
AC-1436SWP	40.12	1019	AC-1436B

Terminal Strap Kit		
Panel	Quantity	Fits Console Body
Catalog Number	of Straps	Catalog Number
24TS20	4	All AW-14 Series
24TS24	5	All AW-14 Series



Swing Panel Mounting



Terminal Strap Mounting

Swing Panel Mounting

Swing Panel for Consoles are (12) gauge steel, have a dual hinge swing panel bracket and are furnished with panel brackets and all hardware necessary for channel and panel mounting. Panels can be installed such that they hinge either on the left side or right side. Console body design permits the panel to adjust along the depth of the enclosure. The dual hinge allows the inner panel to swing completely out of the rear opening when within 5.50 inches. Panel and swing panel can be mounted back-to-back.

Terminal Strap Mounting

Terminal Strap Kits assemble conveniently to the channel on either side of the console body. Channel mounting hardware should be purchased separately for installation. Full length straps are furnished with adequate space for the users' terminal blocks or terminal blocks and extra straps can be purchased separately (see detail sheet and the Accessories section).

Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Operator Enclosures

Console Accessories Type 12 - AW-14

Discount Schedule: C2
Subclass: DRO

Illustration Sheet and Catalog Number

Catalog Number	Description	Fits Console Body	Illustration	Quantity
AFSBRKT1	Panel mounting bracket	AW-14 Series	1	1
AFCMH3	Channel mounting hardware	AW-14 Series	2	3
FTB3005	#18-#8 medium-duty flat base terminal block	AW-14 Series	3	1
FTE3001	Medium-duty flat base terminal block end	AW-14 Series	3	1
CTB3005	#18-#8 medium-duty channel terminal block	AW-12 Series	4	1
CTE3001	Medium-duty channel terminal block end	AW-12 Series	4	1
FT6005	#18-#4 heavy-duty flat base terminal block	AW-14 Series	3	1
FE6001	Heavy-duty flat base terminal block end	AW-14 Series	3	1
CT6005	#18-#4 heavy-duty channel terminal block	AW-12 Series	4	1
CE6001	Heavy-duty channel terminal block end	AW-12 Series	4	1
CTC2	Channel clamp	AW-12 Series	4	1
25012A	Channel Strip (72 inch)	AW-12 Series	-	1

Operator Enclosures

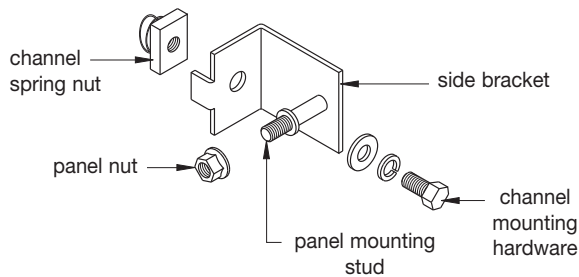


Illustration 1

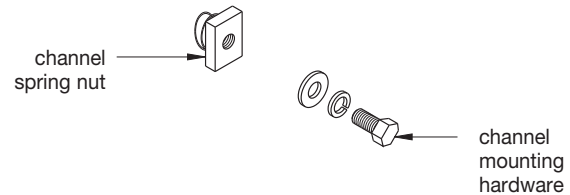
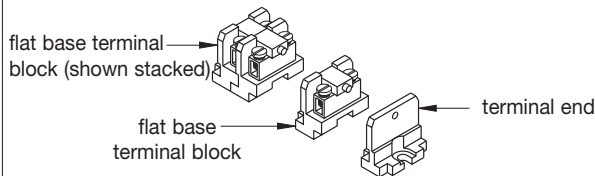
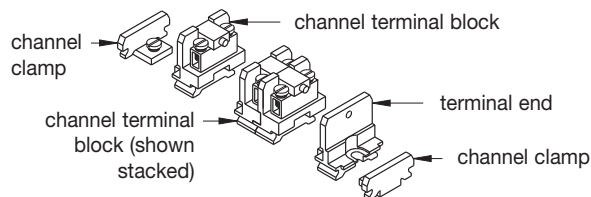


Illustration 2



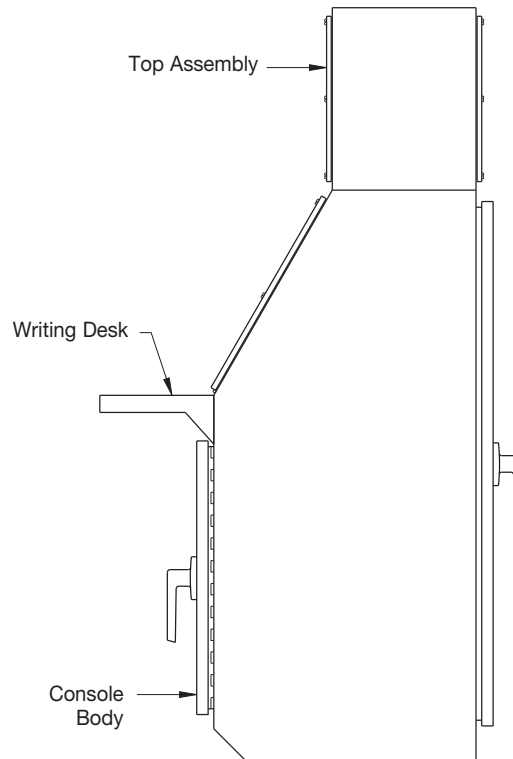
Individual terminal block and terminal end only. Heavy and Medium-duty blocks can be stacked to any length. When stacked, each block is approximately .43 or .56 inches long, depending on which block is used. For detail and specific quantity packages, refer to the Accessories section.

Illustration 3



Individual terminal block, end, and clamps only. Heavy and Medium-duty blocks can be stacked to any length. When stacked, each block is approximately .43 or .56 inches long, depending on which block is used. For detail and specific quantity packages, refer to the Accessories section.

Illustration 4

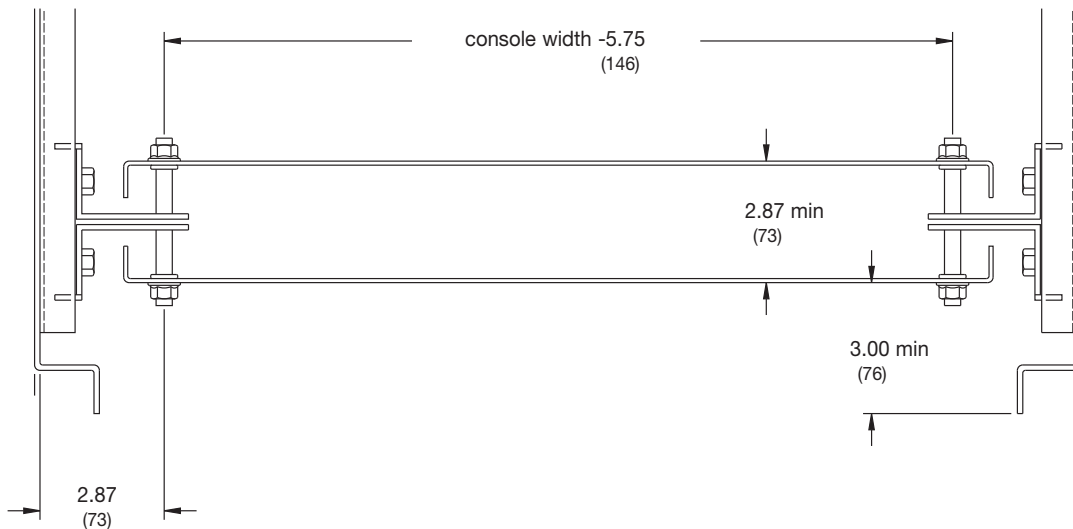


Typical Assembly

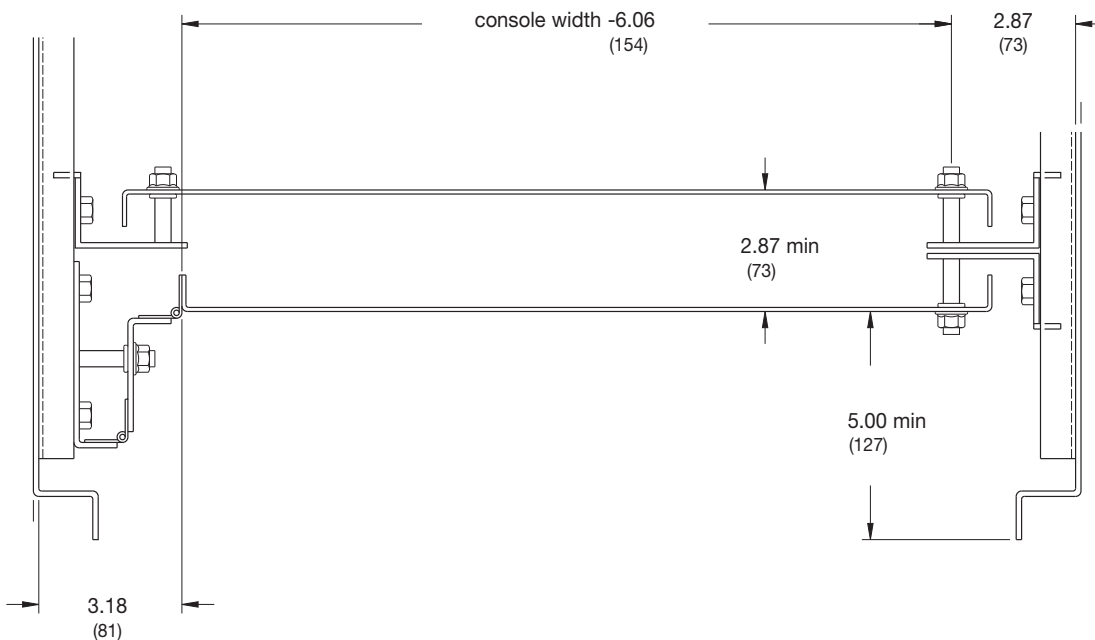
Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Console Details Type 12 - AW-14 Panel and Console Detail Sheet

Discount Schedule: C2
Subclass: DR0



Console Rear Access Door
(section view showing full and half panel mounted back-to-back)



Console Rear Access Door
(section view showing swing panel and half panel mounted back-to-back)

Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.



Air Conditioner - General Specifications, Sizing, Selection, & Options	372-374
Air Conditioners Type 12 Mini Panel-Mounted	375
Air Conditioners Type 12 Trimline Air-Cooled Panel-Mounted	376-379
Air Conditioner Horizontal Top-Mounted	380
Air Conditioners Type 12/3R Advantage Series	381-383
Air Conditioners Type 4X Series	384-386
Heat Exchanger Sizing and Selection	387
Heat Exchangers Type 12 KXHE Air-To-Air	388-389
Fans Twin & Triple	390-391
Fans Filter Box	392
Fans Twin Blowers	393
Heater Calculation Sheet	394
PTC Fan Heaters	395
PTC Heaters	396
Fan Heaters	397
Small Thermostats	398
Electronic Humidity and Temperature Controls	398

Climate Control Products

Air Conditioners Climate Control

B-Line Systems selected Kooltronic as its air conditioner supplier because the Kooltronic line offers the most extensive selection of cooling capacities, sizes, mounting configurations and power inputs available. Capacities range from 1,000 to 22,000 BTU/H in vertical panel-mounted and horizontal models. Most models use centrifugal blower-driven air systems for maximum penetration. All are engineered for full-capacity performance at ambient temperatures up to 125°F. Additionally, custom air conditioners can be designed and manufactured to meet your unique specifications.

Closed-loop air conditioners seal enclosures, cool, dehumidify and recirculate the clean air through the electronics to provide protection from high temperatures or airborne contaminants. The TrimLine Air Conditioner line offers a narrow profile complemented by the innovative M/TAB (Mounting Template and Assembly Bracket) mounting system.

All air conditioners feature a Control (hot gas) Bypass Valve, causing “cycle-free” compressor operation for greater reliability, longer life for the compressor and control system and more stable equipment temperature. The continuously operating compressor and non-electric control system provide thermostat-free automatic temperature regulation over a broad range of operating conditions and eliminate the transients produced during compressor start-up. Since many applications require thermostatic control to prevent over cooling, a Low Temperature Control has been made standard on most models and is available on all models.

Each air conditioner is engineered for performance and built for reliability. Most units are UL and cUL listed or recognized and maintain compliance with Type 12, Type 4 or Type 4X enclosure rating as specified.

General Specifications for all Air Conditioners

Closed-Loop Cooling: The enclosure interior airflow system is isolated from the ambient airflow or waterflow system. No ambient air can invade the cool, dehumidified sensitive component compartment.

Ball-Bearing Motors: All blower motors are UL/CSA recognized and include automatic-reset thermal overload protection and double-sealed or double-shielded precision ball bearings. Special permanent lubricants perform over a broad temperature range: -20°F(-29°C) to 250°F (121°C).

Rugged Construction: Precision-engineered heavy gauge steel construction of all cabinets and blowers ensures air conditioners will stand up under tough applications.

Baked Epoxy Finish: Durable, baked-on gray epoxy finish is standard. Other finishes are available.

Power: Available in 115 or 230 VAC, 50Hz, 60 Hz or 50/60Hz switchable.

Refrigerants: CFC-Free R134a is used where compressors are available. All other units contain low ozone depleting R22. The model number reflects the refrigerant. A 4 between the A and C denotes R134a whereas a 3 denotes R22.

Permanent Filters: Multi-layer grid of sturdy, corrugated aluminum in an aluminum frame. May be reused after washing off accumulations and applying with adhesive spray. Filters are not required on water-cooled models.

Condensate Disposal: Condensate drain fitting and hose are included. Built-in Condensate Evaporators are standard on Trim-Line models and some standard models, see series sections.

Power Cord: All models are supplied with six foot type SJT three-wire power cords. Air conditioners rated at 16.0 amps or less are supplied with plugs. Air conditioners rated at more than 16.0 amps are supplied without plugs for direct wiring to power source.

Insulation: All cold components, lines and the evaporator compartment are insulated with high-performance insulation for maximum efficiency and to prevent condensation.

Gasketing: All units are fully gasketed for tight, leakproof installation and maintain compliance with Type 12, Type 4 or Type 4X enclosure rating.

Quality Assurance: Refrigeration system components are kept sealed until charged with refrigerant; all brazed joints are thoroughly leak tested; each unit is functionally tested at full rated heat load temperatures before shipment; copy of test results is included with each air conditioner.

Installation: Detailed Installation and Operator's Manual, with drawings, mounting plan and spare parts list is included with each unit.

Notes: Data subject to change without notice. Consult factory for special requirements.

Air Conditioner Sizing and Selection

Climate Control

Cooling Electronic Control Cabinets

Most electronic control systems generate a substantial amount of heat during operation. This heat factor is intensified as electronic controls are made more compact, perform more functions and are placed in confined areas. Additional problems are encountered when the electronic process control system is located on-line in an industrial setting, rather than in a clean computer room. The factory environment can be hostile to the point that performance and effective life of the electronic components are materially reduced or the control system fails completely. Ambient temperature might be excessively high, as that found in a steel mill. Moisture-laden air and airborne particulate matter might be present to adversely affect the electronic components, as in the paper manufacturing industry. Air conditioners are designed to perform reliably under many of these harsh conditions and to provide the cooling and environmental protection required by sensitive electronic production control systems.

Factors Affecting Model Selection

This section is presented as a basic outline or checklist of the various application conditions to be considered when choosing a cooling unit. These are the factors which must be considered when selecting a cooling unit:

Internal Heat Load

This is the heat dissipated by the electronic controls. It is expressed in watts. One WATT equals 3.413 BTU/HR. Thus, to obtain the approximate cooling capacity required to remove a specific heat load, the following formula can be used: $\text{Watts} \times 3.413 = \text{BTU/HR}$. For example, a heat load of 800 watts, require an air conditioner capable of removing at least 2,730 BTU/HR.

Resistance to Air Flow in the Enclosure

Air flow is measured in cubic feet per minute (CFM). To create an air flow of any desired velocity requires that pressure be produced by the blower. Resistance to this blower-produced air flow is created by obstructions within the cabinet in the air flow path. The resistance itself is called static pressure (SP) and is measured in inches of water column. The effect of significant restrictions in the cabinet air flow path are as follows:

- the obstructions cause static pressure.
- static pressure results in a pressure drop, or differential, from the air velocity produced by the blower.
- this reduction in cool air flow will decrease the effective capacity of the cooling unit. Allowance must be made for static pressure.

Heat Load from the Surroundings

Ambient conditions can cause a heat gain in the enclosure. The rated capacity of the cooling unit must be sufficient to handle this heat gain. When evaluating the additional heat load gained from the surroundings there are two possible conditions:

- the cabinet is insulated and well sealed
- the cabinet is not insulated.

Cabinet Insulated - Normally, well-insulated cabinets do not gain sufficient heat from the surroundings to affect the air conditioner operation. BTU/HR ratings for Kooltronic air conditioners have been established at the maximum ambient operating temperature of 125°F. A substantial improvement in heat removal occurs when operating in ambient temperatures below 125°F.

Cabinet Not Insulated - Obviously, this design places more of a burden on the cooling unit. Heat is conducted to the cool side. Thus, high ambient heat will be readily transmitted into the cooler enclosure. To determine

the additional capacity required of an air conditioner installed in an uninsulated cabinet, the surface area of the enclosure must be calculated to obtain the total effective heat transfer area. For this calculation, use the surface area of the sides, plus the area of the top and omit the bottom area of the cabinet.

Air movement outside the uninsulated cabinet will increase the heat conducted from the ambient into the enclosure. When there is little or no air circulation outside the cabinet, the layer of air immediately adjacent to the exterior cabinet walls acts as an insulating film. Exterior air movement dissipates this insulating layer of air in proportion to the velocity of the air flow. Substantial ambient air circulation will increase the transmitted heat load imposed on the cooling unit. If the cabinet being cooled is not air tight, high ambient relative humidity will adversely affect the cooling effectiveness of the air conditioner. When humid air infiltrates a poorly sealed enclosure, the air conditioner is required to use up valuable capacity just to condense the moisture from the internal air. Conversely, if the cabinet is well sealed, high ambient relative humidity has very little effect on the rated capacity of the air conditioner.

Notes: Data subject to change without notice. Consult factory for special requirements.

Climate Control Products

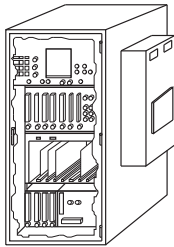
Air Conditioners Sizing & Selection Climate Control

The proper selection of an air conditioner is determined by the following criteria:

- 1) Required cooling capacity BTU/HR.
- 2) Mounting requirements (top, side or internal mounting)
- 3) Dimensions of air conditioner & enclosure

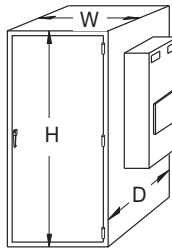
To determine air conditioner capacity required:

First



1 Watt = 3.413 BTU/HR
Determine the internal Watts of heat to be dissipated.

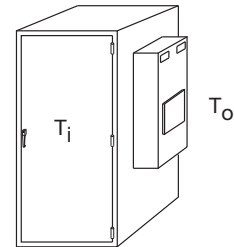
Second



1 M² = 10.76 ft²
Calculate the area of the enclosure which is exposed to the ambient air:

$$\frac{2H''(W'' + D'') + (D'' \times W'')}{144} = \text{Area (ft}^2\text{)}$$

Third



1°C Δ T = 1.8°F Δ T
Determine the temperature differential Δ T (° F) by subtracting the maximum allowable internal cabinet temperature (T_i) from the maximum ambient temperature outside of the enclosure (T_o): T_o - T_i = Δ T

Fourth: (Watts x 3.413) + [1.25 x Area ft.² x Δ T (°F)] = BTU/HR.

Air Conditioner Accessories and Options Climate Control

Factory Installed Options

Cooling Effect Detector: A thermostat is mounted inside the cabinet and attached to a sensor in the warm air return. When the air temperature increases to the set point, a signal is sent to a terminal block. User-installed wiring from the terminal block to local and/or remote warning devices (light, bell, siren etc.) can be for normally open or normally closed operation. ††

Lifting Eyes: A pair of heavy gauge steel lifting eyes attached to the side panels assist in positioning units. †

Low Ambient Kit: Maintains sufficient operating pressures when ambient temperatures drop below 50°F. Effective to a minimum ambient temperature of 0°F. ††

Short Cycle Protector: Protects the compressor from possible damage due to harmful short cycling after a power interruption, by initiating a 5 or 6 minute OFF period

before resumption of normal operation. Generally, air conditioners require a 5 minute OFF period for compressor protection after power interruptions of any type, to prevent short cycling and resultant shortened compressor life. These power interruptions include power failures, opening of access doors, and cases where the thermostat activates the compressor in less than five minutes, due to high heat loads generated during OFF times. Particularly recommended for applications that experience frequent, brief power failures or require frequent opening of interlocked cabinet doors. ††

Customer Installed Accessories

Weather Protection Kit: For outdoor installations subject to invasion by rain, snow or windblown dirt, special deflectors shield the condenser air inlet and outlet ports. Air conditioners or heat exchangers installed outdoors require special exterior paint. †

Notation Descriptions:

† = option available for both Air Conditioners and Heat Exchangers.
†† = option available for Air Conditioners only.

Notes: Data subject to change without notice. Consult factory for special requirements.

Air Conditioners Type 12 Mini Panel-Mounted Climate Control



KA4C1.0MML

Front View

Application

Mini Air Conditioners are ideal for low-capacity applications with space limitations. Mounted on any vertical panel of equipment enclosures, they occupy minimal floor space and no cabinet space. Hostile ambient air is sealed from the enclosure air by the closed-loop design and gasketed mounting.

Micro-Mini Air Conditioners are suitable for applications that have low static pressures where fans can provide adequate airflow.

Outdoor or corrosive environments require weather protection and/or special internal and external protective features. For extreme ambient temperatures and/or severely contaminated environments, water-cooled air conditioners are available. Custom air conditioners can also be designed and manufactured to meet unique

specifications. Contact Cooper B-Line about modification and custom-design capabilities.

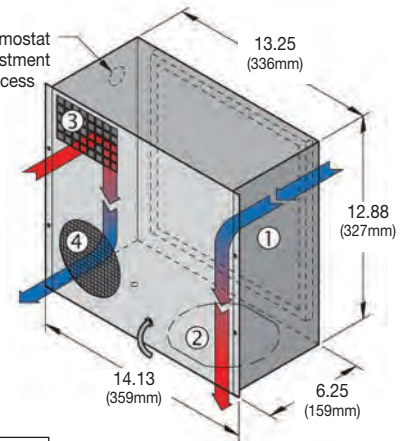
Features

- All models UL/cUL Listed
- Tested and approved by UL for use with Type 12 enclosures
- Environmentally preferred CFC-Free R134a refrigerant
- Filters
- Heavy-duty steel with baked powder finish
- UL/CSA ball bearing motors
- Six foot (minimum) SJT-3 wire power cord with plug
- Low temperature control (thermostat) and EMI/RFI suppressor are standard
- Condensate drain fitting and hose

Accessories & Options

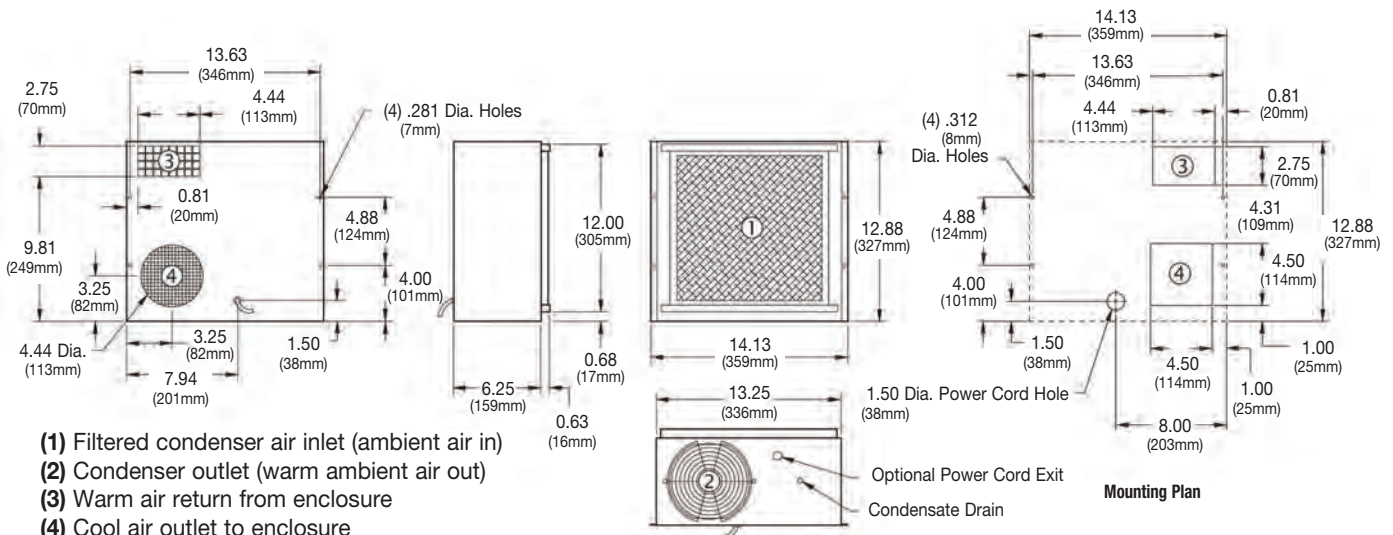
- Cooling Effect Detector
- Filter Recoating Adhesive
- Filters for replacements
- Internal corrosion-resistant coatings
- Short Cycle Protector
- Special materials or external finishes
- High capacity Condensate Evaporator Kit
- Special motors, line cords or connectors
- Weather Protection Kit (Integral)
- Stainless Steel or Aluminum Shell

Discount Schedule: C2
Subclass: DTO



Rear View

Technical Data							
Catalog Number	BTU/H Capacity	95/95 Rating BTU/H	Ambient Temp F (max./min.)	Volts	Hz	Running Amps	Weight (lbs.)
KA4C1.0MML	1000	720	125/50	115/100†	60/50	4.5	40
K2A4C1.0MML	1000	720	125/50	230/200	60/50	2.3	40



Notes: Data subject to change without notice. Consult factory for special requirements. Dimensions are in inches. Millimeters shown are for reference only.

Air Conditioners Type 12 Trimline Air-Cooled Panel-Mounted Climate Control



Description

Innovations in technology have resulted in much denser electronics packaging and smaller available panel sizes on which to mount air conditioners. The TrimLine Series is the response to these new packaging demands with the Narrow 12" and 15" width panel mount air conditioners. In addition to reducing the width of more traditional air conditioner units, the TrimLine Series includes the Condensate Evaporator, Low Temperature Control (thermostat) and EMI/RFI Suppressor as standard features.

The TrimLine Series consists of compact models in 2,000-2,500 BTU/H capacities, mid-size models, 33" height, up to 4,000 BTU/H capacities and the full-size models at 47" height up to 7,000 BTU/H. Each series of models is designed with a minimum width to take up less exterior cabinet space on the panel or door.

Integral to the TrimLine Series is the M/TAB (Mounting Template and Assembly Bracket) system which makes installing the TrimLine Series a simple and less time-consuming task.

Outdoor or corrosive environments require weather protection and/or special internal and external protective coatings. For extreme ambient temperatures and/or severely contaminated environments, the use of water-cooled air conditioners is recommended.

Custom air conditioners can be designed and manufactured to meet unique specifications. Contact B-Line about modification and custom-design capabilities.

Features

- All models UL/cUL Listed
- Tested and approved by UL for use with Type 12 enclosures
- UL/CSA ball bearing motor
- Filters
- Heavy duty steel with baked powder finish
- Exclusive M/TAB integral mounting system for quick, easy installation
- Built-in Condensate Evaporator eliminates need for draining normal condensate
- Thermostatic Control provides energy-efficient operation and prevents over-cooling
- EMI/RFI Suppressor minimizes transient line spikes during on/off cycling
- Six foot (minimum) SJT-3 wire power cord with plug
- Environmentally preferred CFC-Free R134a refrigerant

Discount Schedule: C2

Subclass: DTO

Notes: Data subject to change without notice. Consult factory for special requirements. Dimensions are in inches. Millimeters shown are for reference only.

Air Conditioners Type 12 Trimline Air-Cooled Panel-Mounted Climate Control

M/TAB Description

A highlight of the TrimLine Series is a new, revolutionary air conditioner mounting system for cabinets and enclosures. The M/TAB is standard on all TrimLine Air Conditioners. This new integral system functions as a mounting template, pre-installation hanger and final assembly bracket. The M/TAB design simplifies the installation process by eliminating the problem of handling flange-mounted air conditioners. The solution is provided by following these installation steps:

- 1) Use the M/TAB to drill holes for mounting and bolting to the cabinet
- 2) Cut out the Supply and Return Air openings
- 3) Hang the air conditioner on the M/TAB
- 4) Secure the Air Conditioner to the M/TAB.

The M/TAB also allows for the quick removal and transportation of the air conditioner, separate from the equipment, for servicing or change to a different capacity air conditioner or to a same-size heat exchanger.

Features

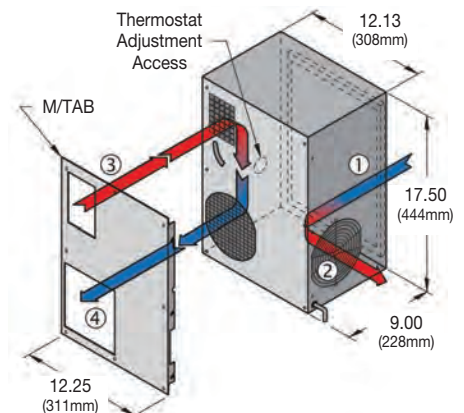
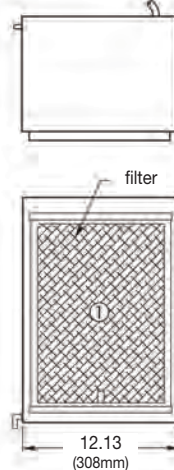
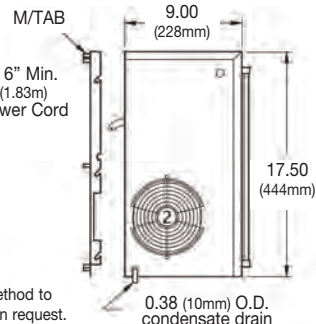
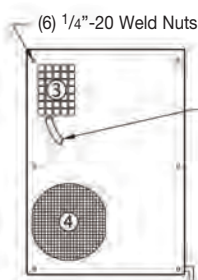
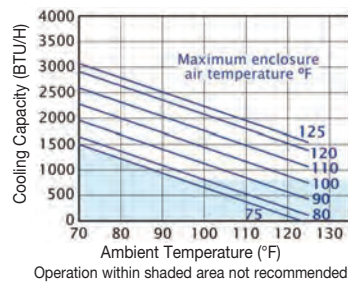
- No exposed rails or mounting flanges; aesthetically pleasing while conserving cabinet space
- Ease of installation and one-piece design reduce mounting errors and allows installer to operate self-sufficiently

NP17 Series

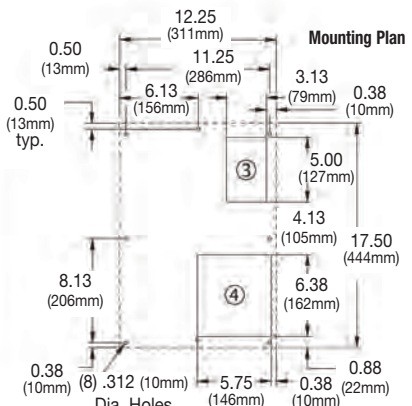
Technical Data							
Catalog Number	BTU/H Capacity	95/95 Rating BTU/H	Ambient Temp F (max./min.)	Volts	Hz	Running Amps	Weight (lbs.)
KA4C2.0NP17L	2000	1420	125/50	115/100	60/50	6.7/6.5	59
K2A4C2.0NP17L	2000	1420	125/50	230/200	60/50	4.3	59



Performance
KA4C2.0NP17L



- (1) Filtered condenser air inlet (ambient air in)
- (2) Condenser outlet (warm ambient air out)
- (3) Warm air return from enclosure
- (4) Cool air outlet to enclosure



Weld nuts supplied for alternate mounting method to maintain NEMA 12. Mounting Plans furnished on request.

Notes: Data subject to change without notice. Consult factory for special requirements. Dimensions are in inches. Millimeters shown are for reference only.

- Functions as a pre-installation hanger and final assembly bracket
- Installation is totally outside the cabinet; no clumsy mounting from inside the cabinet

In order to use TrimLine Air Conditioners, including M/TAB, to replace standard or other manufacturers' units on existing cabinets, a special Adapter M/TAB with appropriate bolt holes and cutouts can be supplied.

TrimLine Accessories & Options

- Low Air Detectors
- Cooling Effect Detector
- Filter Recoating Adhesive
- Filters for replacement
- Internal corrosion resistant coatings
- Lifting Eyes
- Low Ambient Kit
- Short Cycle Protector
- Special materials or external finishes
- Special motors, line cords or connectors
- Weather Protection Kit
- High capacity condensate evaporator

Discount Schedule: C2

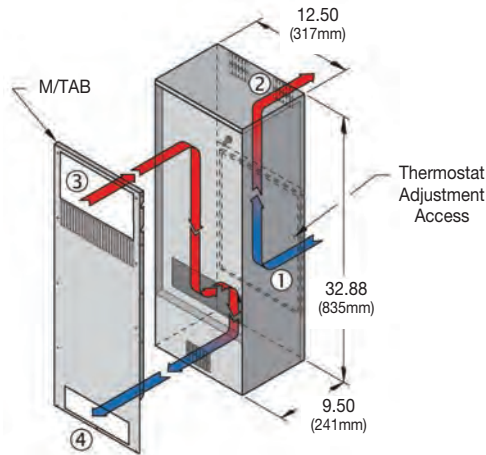
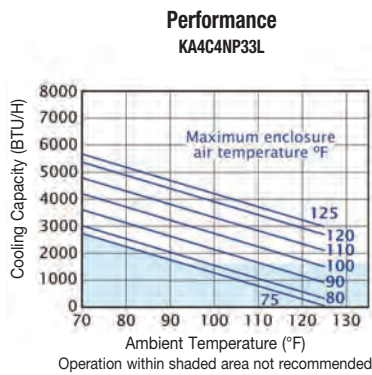
Subclass: DT0

Climate Control Products

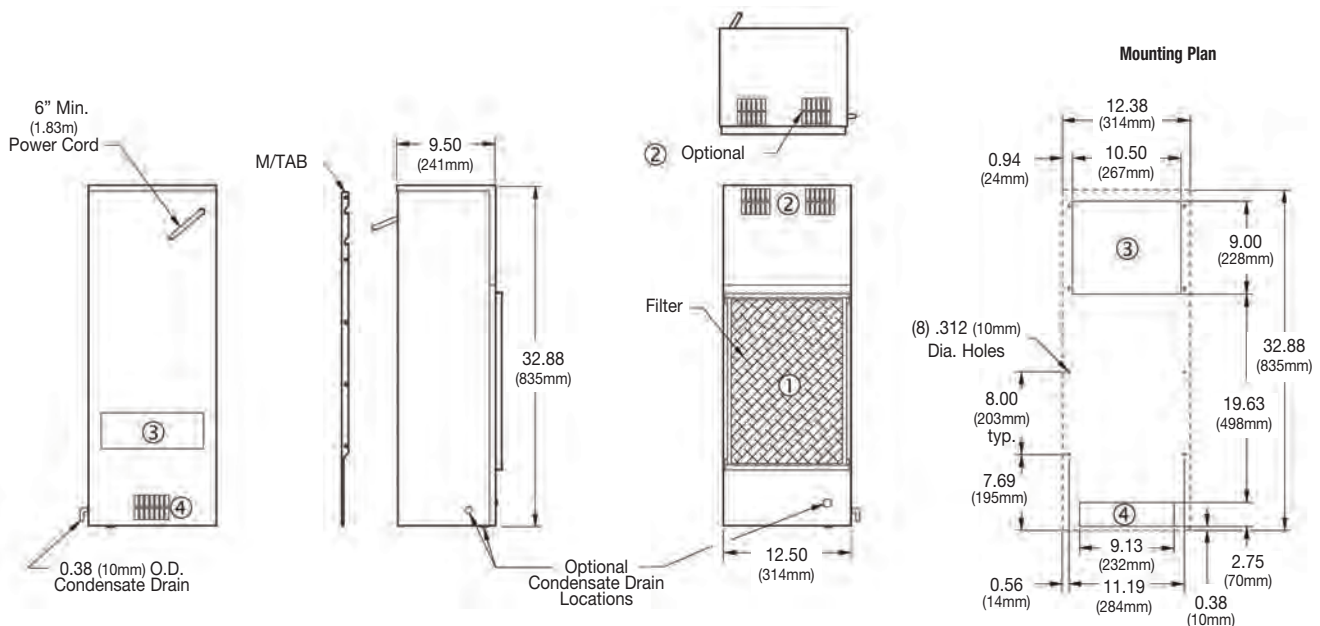
Air Conditioners Type 12 Trimline Air-Cooled Panel-Mounted Climate Control

NP33 Series

Technical Data							
Catalog Number	BTU/H Capacity	95/95 Rating BTU/H	Ambient Temp F (max./min.)	Volts	Hz	Running Amps	Weight (lbs.)
KA4C4NP33L	4000	2680	125/50	115/100	60/50	12.8	90
K2A4C4NP33L	4000	2680	120/50	230/200	60/50	5.5	90



- (1) Filtered condenser air inlet (ambient air in)
- (2) Condenser outlet (warm ambient air out)
- (3) Warm air return from enclosure
- (4) Cool air outlet to enclosure

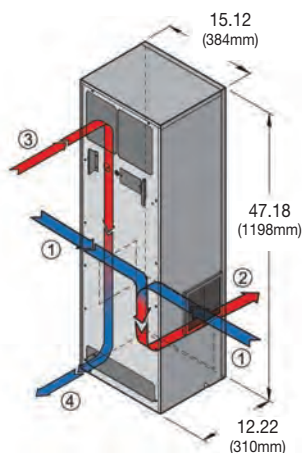
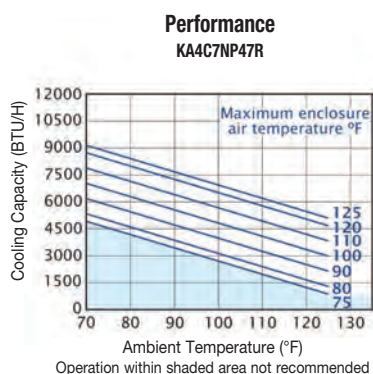


Notes: Data subject to change without notice. Consult factory for special requirements. Dimensions are in inches. Millimeters shown are for reference only.

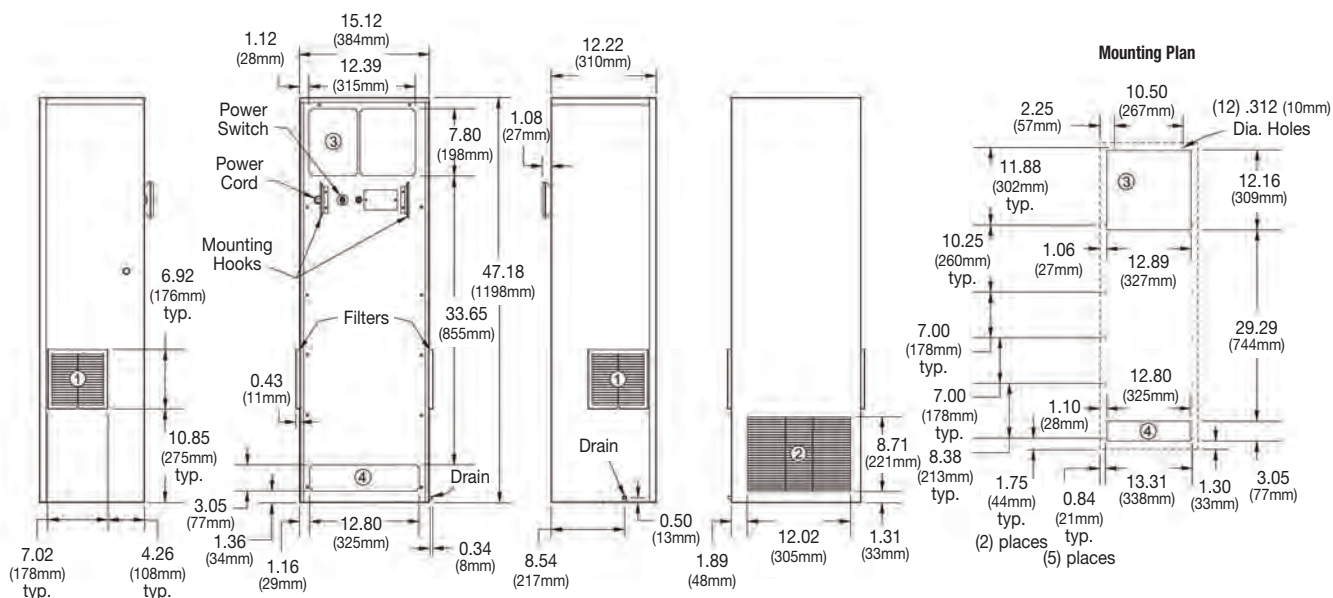
Air Conditioners Type 12 Trimline Air-Cooled Panel-Mounted (cont.) Climate Control

NP47 Series

Technical Data							
Catalog Number	BTU/H Capacity	95/95 Rating BTU/H	Ambient Temp F (max./min.)	Volts	Hz	Running Amps	Weight (lbs.)
KA4C7NP47R	7000	4750	125/50	115/100	60/50	16.5	150
K2A4C7NP47L	7000	4750	125/50	230/200	60/50	8.6	150



- (1) Filtered condenser air inlet (ambient air in)
- (2) Condenser outlet (warm ambient air out)
- (3) Warm air return from enclosure
- (4) Cool air outlet to enclosure



Notes: Data subject to change without notice. Consult factory for special requirements. Dimensions are in inches. Millimeters shown are for reference only.

Climate Control Products

Air Conditioners Horizontal Top-Mounted Climate Control



Accessories & Options

- Air Deflectors
- Airflow Switch
- Cooling Effect Detector
- Filter Recoating Adhesive
- Filters for replacement
- Internal corrosion resistant coatings
- Lifting Eyes
- Low Ambient Kit
- Short Cycle Protector
- Special materials or external finishes
- Special motors, line cords or connectors
- 50/60 Hz Switchable

Description

Horizontal Top-Mounted Air Conditioners provide a full range of cooling capacities where space or other limitations prevent panel or internal rack mounting.

The low profile HT Compact Series is recommended for lower to moderate demand cooling applications in smaller enclosures.

Outdoor or corrosive environments require weather protection and/or special internal and external protective coatings. For extreme ambient temperatures and/or severely contaminated environments, the use of water-cooled air conditioners is recommended.

Custom air conditioners can be designed and manufactured to meet unique specifications. Contact B-Line about modification and custom-design capabilities.

Features

- Capacities: 4,000 BTU/H
- Filters
- Heavy-duty steel with baked powder finish
- UL/CSA ball bearing motors
- Five foot (minimum) SJT-3 wire power cord with plug
- Built-in Condensate Evaporator
- Complete line of accessories
- EMI/RFI Suppressor
- Environmentally preferred CFC-Free R134a refrigerant

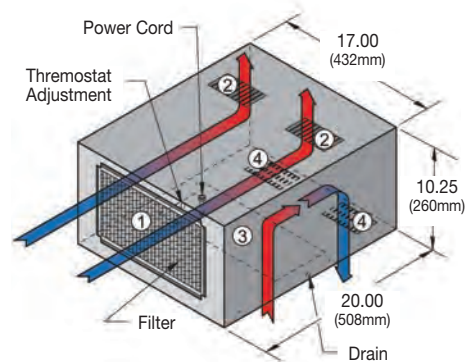
Discount Schedule: C2

Subclass: DTO

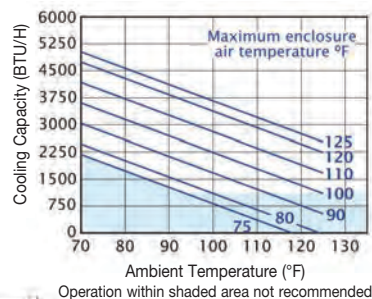
HT Series

Technical Data

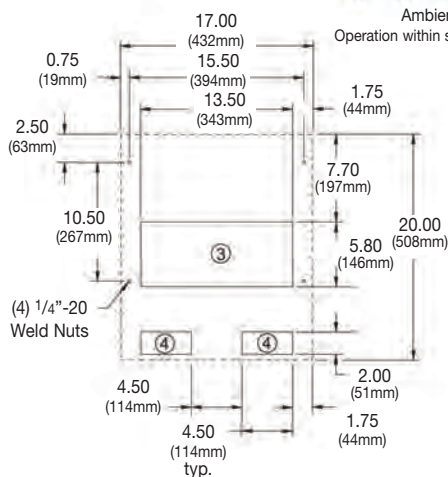
Catalog Number	BTU/H Capacity	95/95 Rating BTU/H	Ambient Temp F (max./min.)	Volts	Hz	Running Amps	Weight (lbs.)
KA4C4HTL	4000	2250	125/50	115/100	60/50	13.1	85
K2A4C4HTL	4000	2250	120/50	230/200	60/50	5.9	85



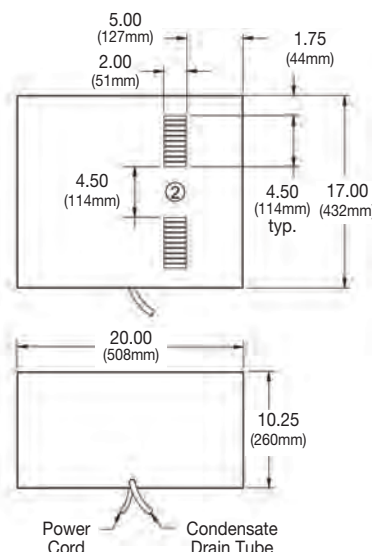
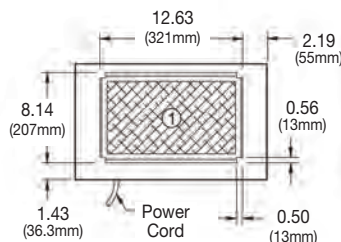
Performance KA4C4HTL



Mounting Plan



- (1) Filtered condenser air inlet (ambient air in)
- (2) Condenser outlet (warm ambient air out)
- (3) Warm air return from enclosure
- (4) Cool air outlet to enclosure



Notes: Data subject to change without notice. Consult factory for special requirements. Dimensions are in inches. Millimeters shown are for reference only.

Air Conditioners Type 12/3R Advantage Series Climate Control



Patented

Features

- All models UL/cUL Recognized
- Approved by UL for use with Type 12 and 3R enclosures
- Environmentally preferred CFC-Free R134a refrigerant
- Filters
- Heavy-duty steel with textured baked powder finish
- UL/CSA ball bearing motors
- Six foot (minimum) SJT-3 wire power cord with plug
- Low temperature control (thermostat) and EMI/RFI Surge Suppressor are standard
- Crankcase heater
- Low ambient kit
- Condensate evaporator kit
- Head pressure control switch
- Digital temperature display

Description

The Advantage Series Indoor/Outdoor Air Conditioners are designed specifically for cooling electrical/electronic enclosures and can be used for both indoor and outdoor applications.

The Advantage Series Air Conditioners offer the greatest choice of sizes, voltages and frequencies, with four cooling capacities ranging from 2,000 to 6,000 BTU/H. The Advantage Series air conditioners are available in four heights ranging from 18 to 37 inches, all utilizing the exclusive M/TAB integral mounting system.

The Advantage Series exemplifies a stylish appearance with rounded edges, no visible hardware and a textured baked powder finish to blend easily with contemporary enclosure designs. Integral weather protection eliminates unsightly weather hoods and the pressure switch regulates the unit's hermetic system and a patented sealing system maintains both a NEMA 12 and a NEMA 3R interface with the enclosure.

Standard features also include heavy-duty galvanized steel construction, environmentally friendly refrigerants, built-in condensate evaporator, thermostatic low temperature control, EMI/RFI surge suppressor and LED temperature display.

Accessories & Options for all Panel-Mounted Units

- Cooling Effect Detector
- Internal corrosion resistant coatings
- Short Cycle Protector
- Special motors, line cords or connectors
- Painted Metal Grille
- Stainless Steel and Aluminum Shells
- Short Cycle Protector
- Special Paint Finishes

Discount Schedule: C2

Subclass: DTO

See page 382 for RP17 & RP28 Series dimensions

See page 383 for RP33 & RP36 Series dimensions

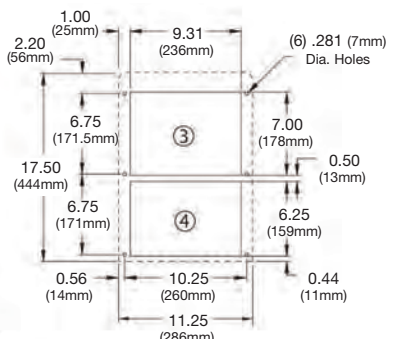
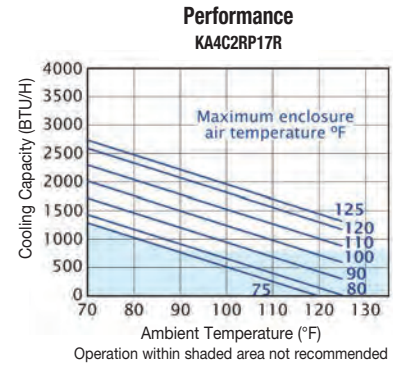
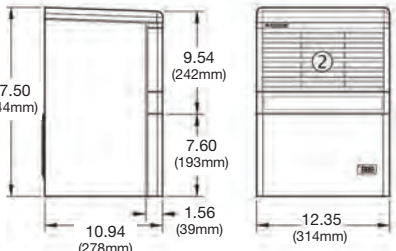
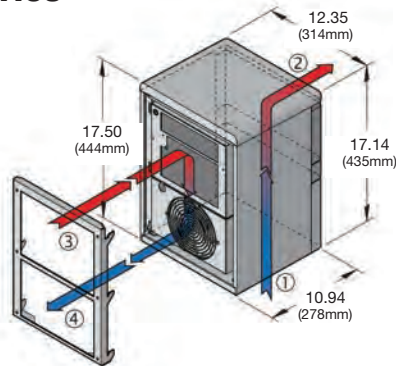
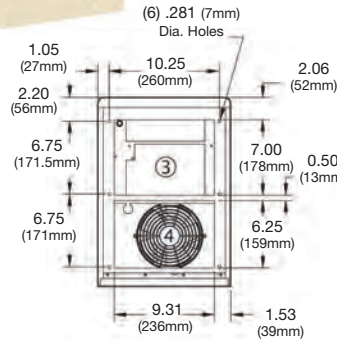
Technical Data								
Series Number	Catalog Number	BTU/H Capacity	95/95 Rating BTU/H	Ambient Temp F (max. - min.)	Volts**	Hz**	Running Amps*	Weight (lbs.)
RP17	KA4C2RP17R	2000	1200	125 - 0	115/100	60/50	7.0/7.5	64
	K2A4C2RP17R	2000	1200	125 - 0	230/200	60/50	4.0	64
RP28	KA4C3RP28R	3000	2200	125 - 0	115/100	60/50	9.8/9.7	86
	K2A4C3RP28R	3000	2200	125 - 0	230/200	60/50	5.5/5.6	86
RP33	KA4C4RP33R	4000	3340	125 - 0	115/100	60/50	13.6/13.3	98
	K2A4C4RP33R	4000	3340	125 - 0	230/200	60/50	5.8	98
RP36	KA4C6RP36R	6000	4500	125 - 0	115/100	60/50	19.5/20.0	123
	K2A4C6RP36R	6000	4500	125 - 0	230/200	60/50	8.2/8.5	123

Notes: Data subject to change without notice. Consult factory for special requirements. Dimensions are in inches. Millimeters shown are for reference only.

Climate Control Products

Air Conditioners Type 12/3R Advantage Series Climate Control

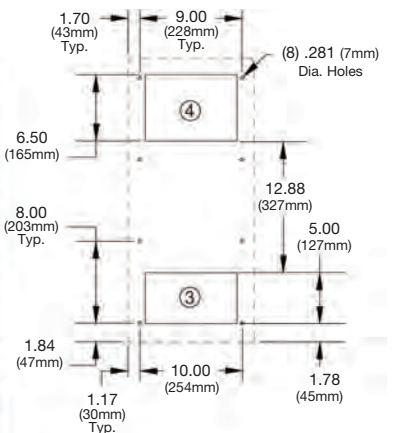
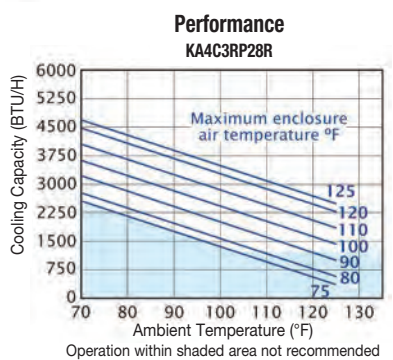
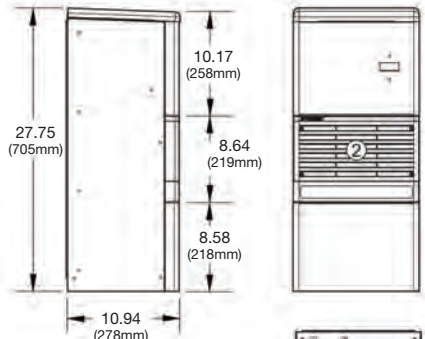
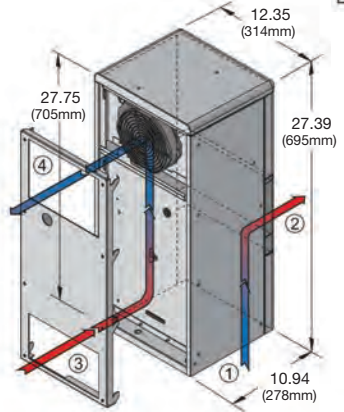
RP17 Series



- (1) Filtered condenser air inlet (ambient air in)
- (2) Condenser outlet (warm ambient air out)
- (3) Warm air return from enclosure
- (4) Cool air outlet to enclosure

Mounting Plan
Unit must be 4" (100mm) minimum above floor for filter access.

RP28 Series



Unit must be 4" (100mm) minimum above floor for filter access.

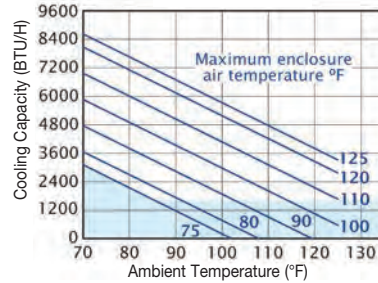
Mounting Plan

Notes: Data subject to change without notice. Consult factory for special requirements. Dimensions are in inches. Millimeters shown are for reference only.

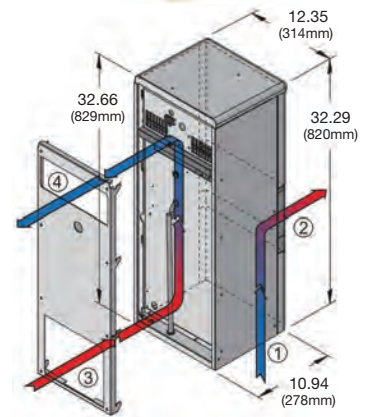
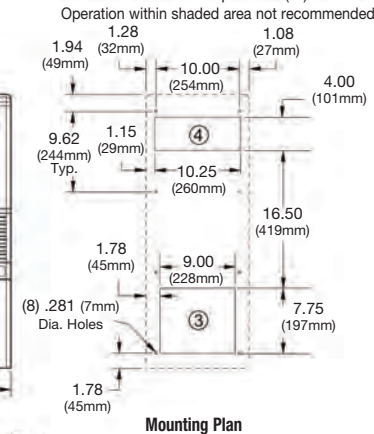
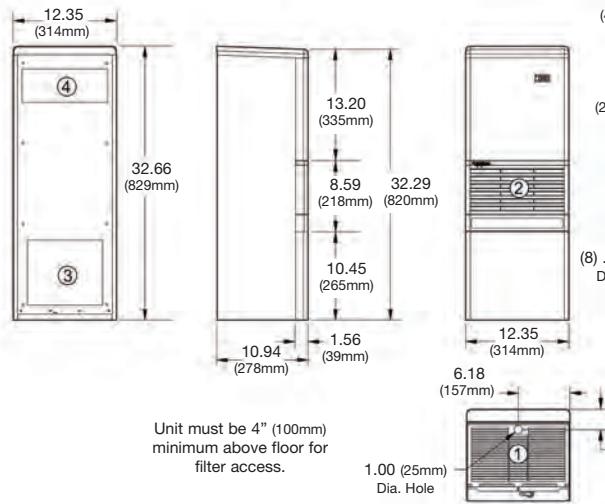
Climate Control

Air Conditioners Type 12/3R Advantage Series Climate Control

Performance
KA4C4RP33R

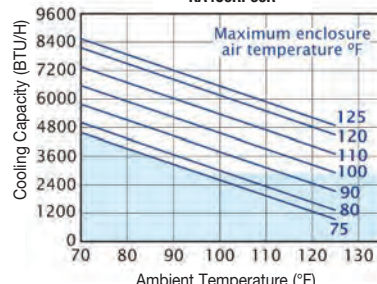


RP33 Series

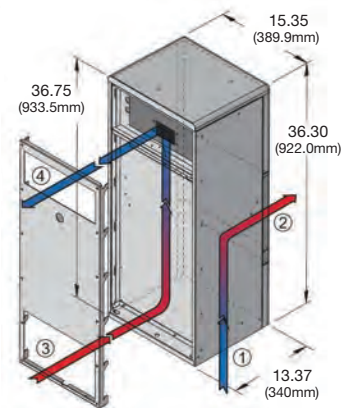
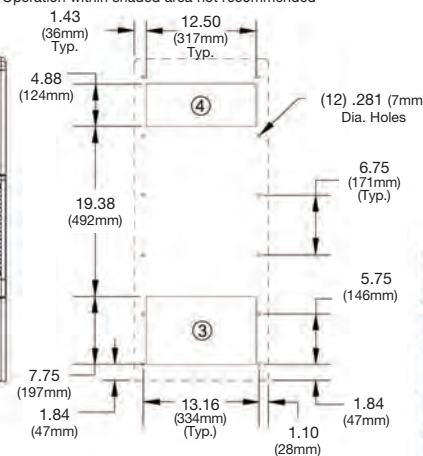
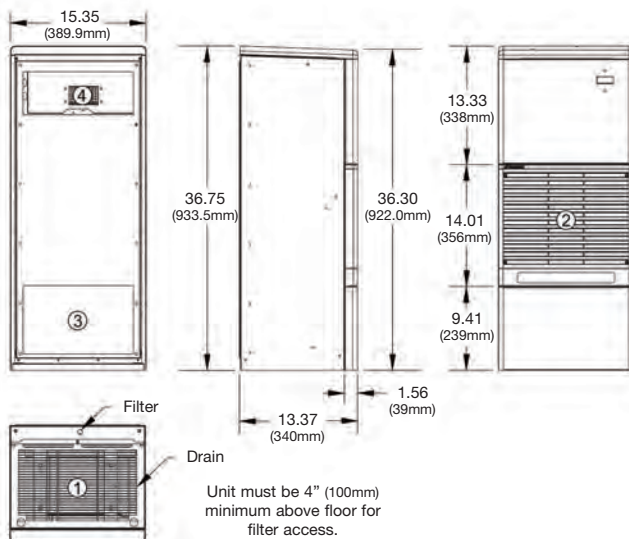


- (1) Filtered condenser air inlet (ambient air in)
- (2) Condenser outlet (warm ambient air out)
- (3) Warm air return from enclosure
- (4) Cool air outlet to enclosure

Performance
KA4C6RP36R



RP36 Series



Notes: Data subject to change without notice. Consult factory for special requirements. Dimensions are in inches. Millimeters shown are for reference only.

Climate Control Products

Air Conditioners NEMA 4X Series Climate Control



KNA4C4P32L

KNA4C7P38L

Features

- UL/cUL Listed
- NEMA 4/4X Rating Maintained
- Environmentally preferred CFC-Free R134a refrigerant
- Gasketed flanges on all four mounting edges for positive leakproof seal
- Exclusive integral Mounting Template and Assembly Bracket (M/TAB) for quick, easy installation
- Thermostatic Low Temperature Control provides energy efficient operation and prevents over-cooling
- EMI/RFI Suppressor minimizes transient line spikes during on/off cycling
- All applicable components are UL/CSA recognized
- Rugged heavy-duty stainless steel exterior
- Galvanized steel internal construction
- Internal corrosion resistant coating
- Filters
- Low ambient kit
- Six foot (minimum) SJT-3 wire power cord with plug
- Condensate drain fitting and hose

Description

For NEMA 4 and 4X Enclosure applications that require hosedown or are subject to outdoor storm conditions, NEMA 4X Air Conditioners protect the integrity of the NEMA 4 or 4X Enclosure rating. These exclusive panel-mounted air conditioners provide superior closed-loop cooling and also protect against the hazards specified for both indoor and outdoor NEMA 4 and 4X Enclosures. Tested and rated by universally recognized Underwriters Laboratories, the uniquely-designed stainless steel air conditioners prevent unwanted environmental penetration of NEMA 4 and 4X enclosures as they provide a clean, cool internal environment.

With the design advantages of the NEMA 4X Series and the inclusion of the unique Mounting Template and Assembly Bracket (M/TAB), this series offers the finest in cooling innovation and technology.

The 32" NEMA 4X Air Conditioner group has the added feature of a center cool air discharge which can be adjusted to direct the cool air either upward or downward. The hot cabinet air can be returned to the air conditioner by either a top or bottom return port in the M/TAB, which determines the cutout location required in the enclosure.

For extreme ambient temperatures and/or severely contaminated environments, the use of water-cooled air conditioners is recommended.

Custom air conditioners can be designed and manufactured to meet unique specifications. Contact B-Line about modification and custom-design capabilities.

Accessories & Options for all Panel-Mounted Units

- Colling Effect Detector
- Filter Recoating Adhesive
- Filters for replacement
- Lifting Eyes
- Short Cycle Protector
- Special materials or finishes

Discount Schedule: C2

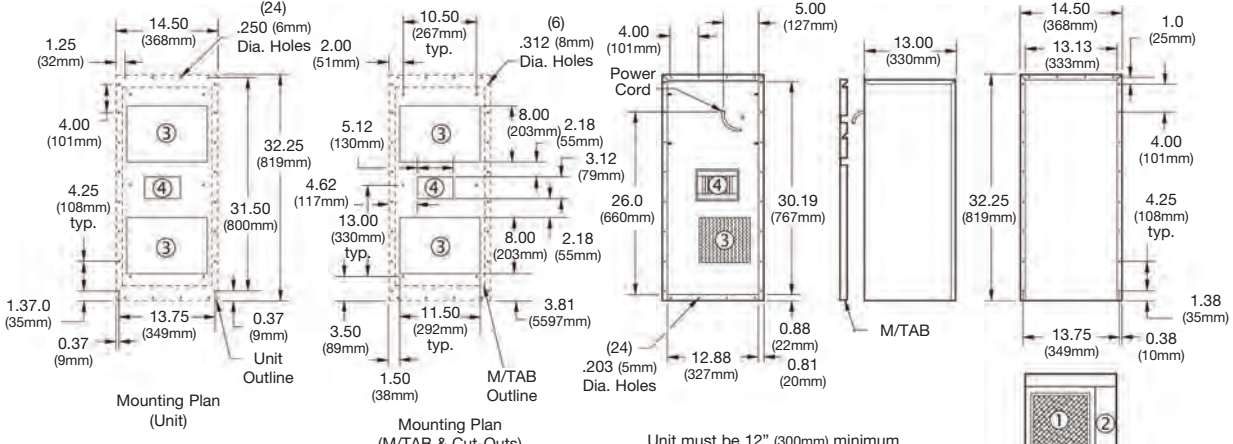
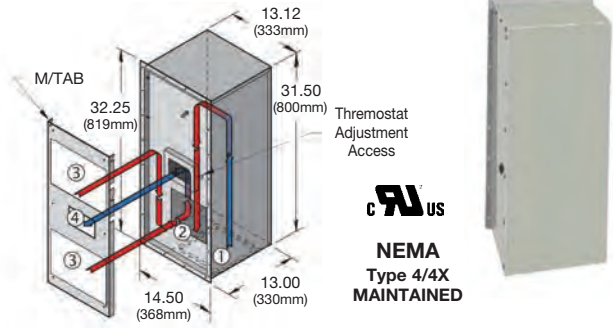
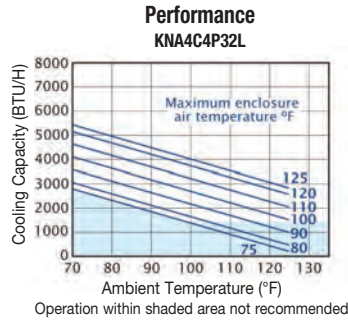
Subclass: DTO

Technical Data

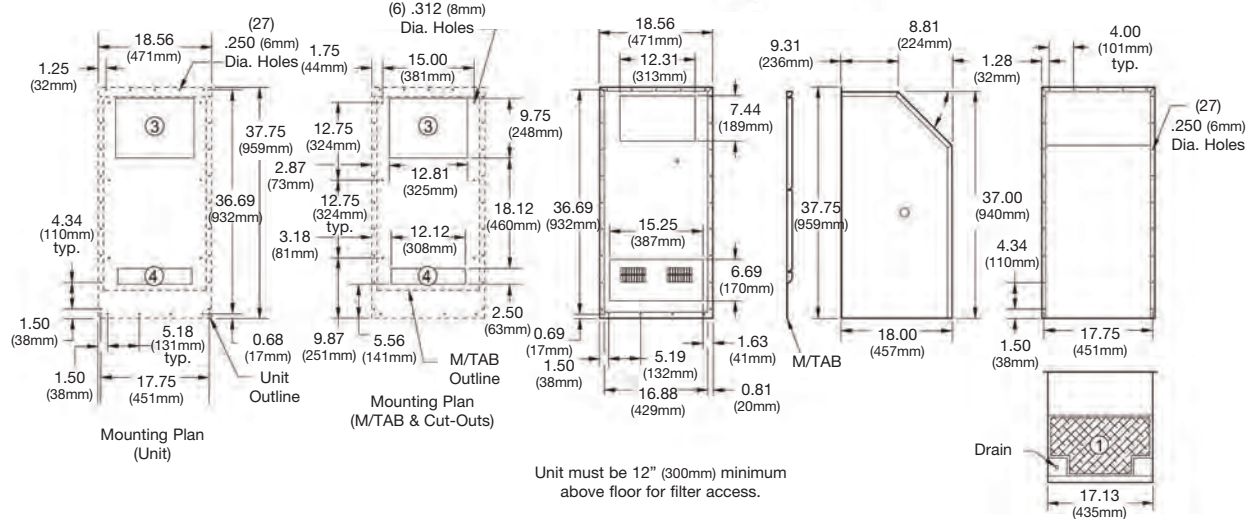
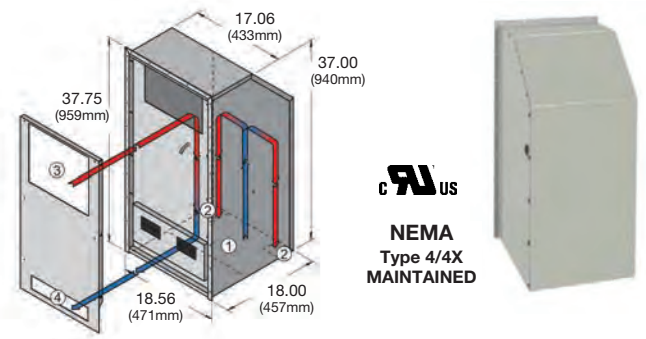
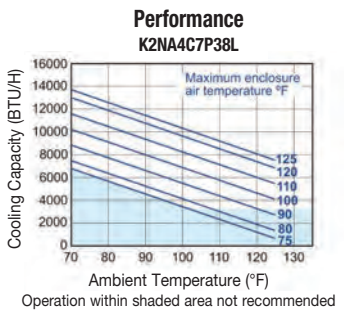
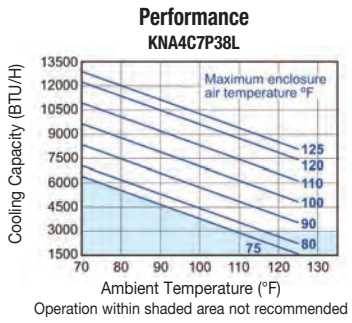
Catalog Number	BTU/H Rating	95/95 Rating BTU/H	Ambient Temp F (max./min.)	Volts	Hz	Running Amps	Weight (lbs.)
KNA4C4P32L	4000	2650	125/0	115/100	60/50	13.0/12.0	105
K2NA4C4P32L	4000	2650	120/0	230/200	60/50	6.0	105
KNA4C7P38L	7000	6000	131/0	115/100	60/50	20.0	180
K2NA4C7P38L	7000	6000	131/0	230/200	60/50	9.3/9.9	180
K2NA4C10P38L	10000	6700	131/0	230/200	60/50	10.9/12.5	180
KNA4C7P47L	7000	6000	131/0	115/100	60/50	20.0	205
K2NA4C7P47L	7000	6000	131/0	230/200	60/50	9.3/9.9	205
K2NA4C10P47L	10000	6700	131/0	230/200	60/50	10.9/12.5	205
KNA4C7P59L	7000	6000	131/0	115/100	60/50	20.0	235
K2NA4C7P59L	7000	6000	131/0	230/200	60/50	9.3/9.9	235
K2NA4C10P59L	10000	6700	131/0	230/200	60/50	10.9/12.5	235

Notes: Data subject to change without notice. Consult factory for special requirements. Dimensions are in inches. Millimeters shown are for reference only.

Air Conditioners NEMA 4X Series Climate Control



- (1) Filtered condenser air inlet (ambient air in)
- (2) Condenser outlet (warm ambient air out)
- (3) Warm air return from enclosure
- (4) Cool air outlet to enclosure



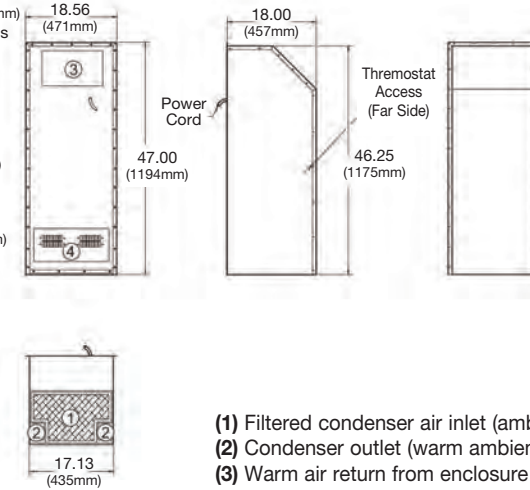
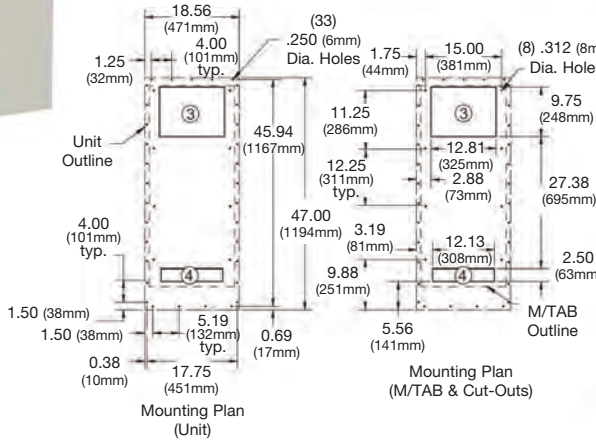
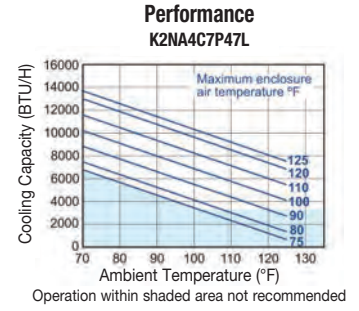
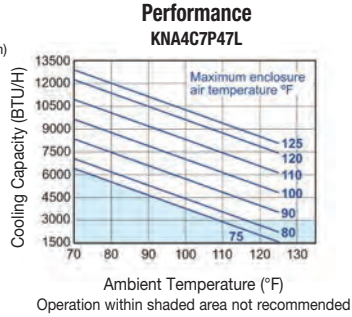
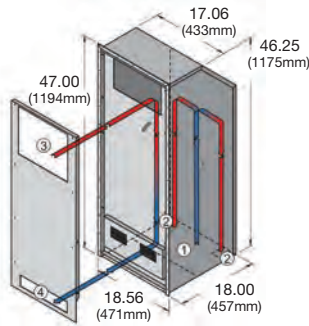
Notes: Data subject to change without notice. Consult factory for special requirements. Dimensions are in inches. Millimeters shown are for reference only.

Climate Control Products

Air Conditioners NEMA 4X Series Climate Control



**NEMA
Type 4/4X
MAINTAINED**

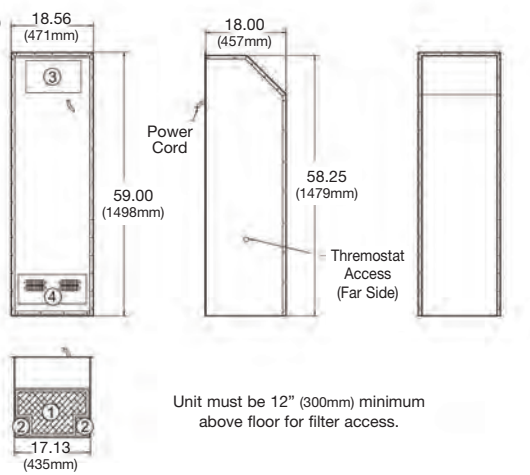
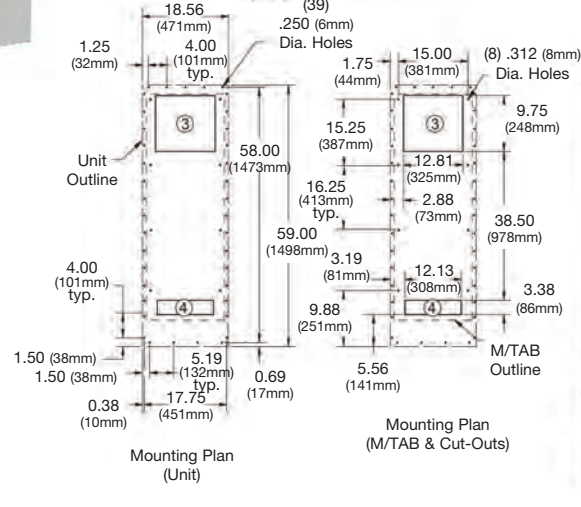
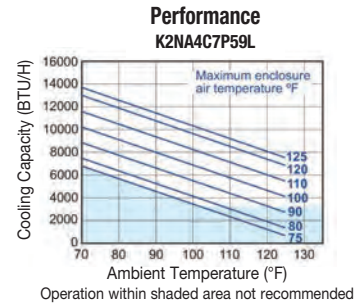
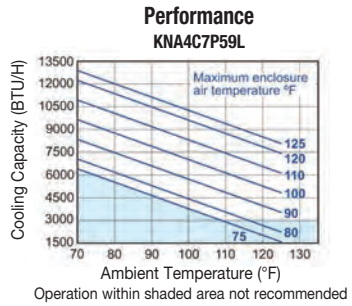
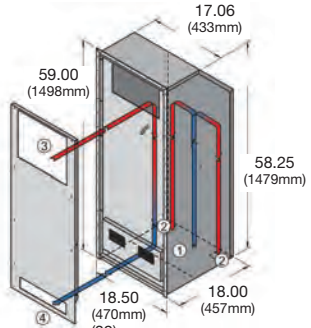


- (1) Filtered condenser air inlet (ambient air in)
- (2) Condenser outlet (warm ambient air out)
- (3) Warm air return from enclosure
- (4) Cool air outlet to enclosure

Climate Control



**UL US
NEMA
Type 4/4X
MAINTAINED**



Notes: Data subject to change without notice. Consult factory for special requirements. Dimensions are in inches. Millimeters shown are for reference only.

Heat Exchanger Sizing and Selection Climate Control

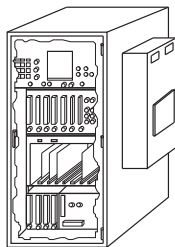


The proper selection of a Heat Exchanger is determined by how many WATTS can be dissipated at a given temperature differential. Since a Heat Exchanger uses ambient air for cooling, the enclosure cannot be cooled below a temperature slightly above the surrounding air temperature. Therefore, the greater the temperature differential, the higher the capacity of the Heat Exchanger.

NOTE: This selection process applies only to indoor gasketed enclosures which are uninsulated.

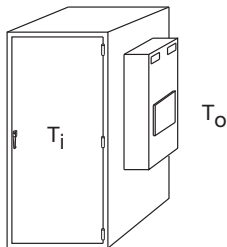
To determine required Heat Exchanger performance in WATTS/°F:

First



Determine the internal Watts of heat to be dissipated.

Second

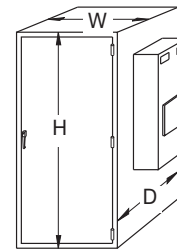


Determine the temperature differential by subtracting the maximum ambient temperature outside of the enclosure (T_o) from the maximum allowable internal cabinet temperature (T_i).

$$(T_i) - (T_o) = \Delta T \text{ } ^\circ\text{F}$$

Note: The maximum allowable internal cabinet temperature (T_i) should not exceed the heat tolerance specification of the most sensitive component in your system.

Third



Calculate the area of the enclosure which is exposed to the ambient air.

$$\frac{2H''(W'' + D'') + (D'' \times W'')}{144} = \text{Area (ft}^2\text{)}$$

Fourth: (Watts / ΔT °F) - (0.22 x Area ft.²) = WATTS/°F (Required Heat Exchanger Performance)

To calculate the total internal enclosure temperature using the Heat Exchanger selected, add the temperature rise (ΔT) inside the cabinet to the maximum ambient temperature. Divide the internal heat load (WATTS) by the heat exchanger performance (WATTS/°F + Area Ft.² x .22) and add the maximum ambient temperature outside of the enclosure (T_o), as in the equation:

$$\text{Total Cabinet Temperature} = \frac{\text{Internal Heat Load (WATTS)}}{\text{Heat Exchanger Performance (WATTS/}^\circ\text{F) + (Area Ft.}^2 \times .22)} + T_o$$

Notes: Data subject to change without notice. Consult factory for special requirements. Dimensions are in inches. Millimeters shown are for reference only.

Climate Control Products

Heat Exchangers Type 12 KXHE Air-To-Air Climate Control



KXHE120A



KXHE125A

Description

The KXHE Series of Air-To-Air Heat Exchangers combines a state of the art, high-efficiency convoluted aluminum heat transfer element with powerful air movers. This combination uses counterflowing air streams, for maximum heat transfer efficiency, in a closed-loop system, to provide cooling within sealed cabinets. This makes the KXHE an ideal choice for applications in dirty or oil-laden environments. These unique heat exchangers operate effectively when mounted vertically or horizontally, internally or externally, and are available in numerous sizes, capacities, and configurations. KXHE Air-to-Air Heat Exchangers are an excellent choice for all applications requiring a closed-loop system which can tolerate cabinet temperatures slightly above ambient.

Outdoor or corrosive environments require weather protection and/or special internal and external protective coatings.

Custom heat exchangers can be designed and manufactured to meet unique specifications. Contact B-Line about modification and custom-design capabilities.

Features

- All models UL/cUL Listed
- Tested and approved by UL for use with Type 12 enclosures
- Lightweight design
- Closed-loop near-ambient cooling
- Heavy-duty steel enclosures with baked powder finish
- UL/CSA ball bearing motors
- Six foot (minimum) SJT-3 wire power cord with plug

Accessories & Options

- Epoxy Coated Elements
- Cooling Effect Detector
- Filter Recoating Adhesive
- Filters for replacement
- Lifting Eyes
- Low Airflow Detector
- Mounting Hinge
- Other voltages and frequencies
- Special materials or external finishes
- Special motors, line cords or connectors
- Weather Protection Kit

Discount Schedule: C2

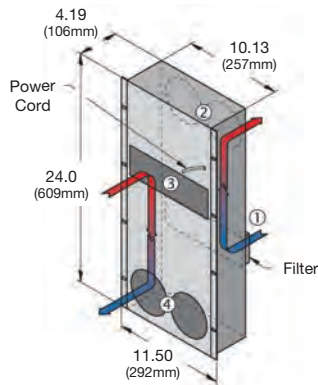
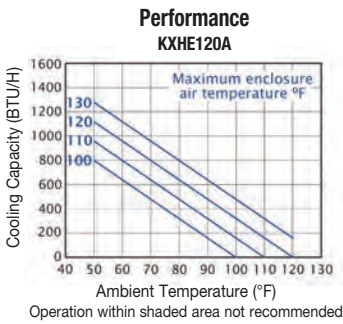
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Technical Data

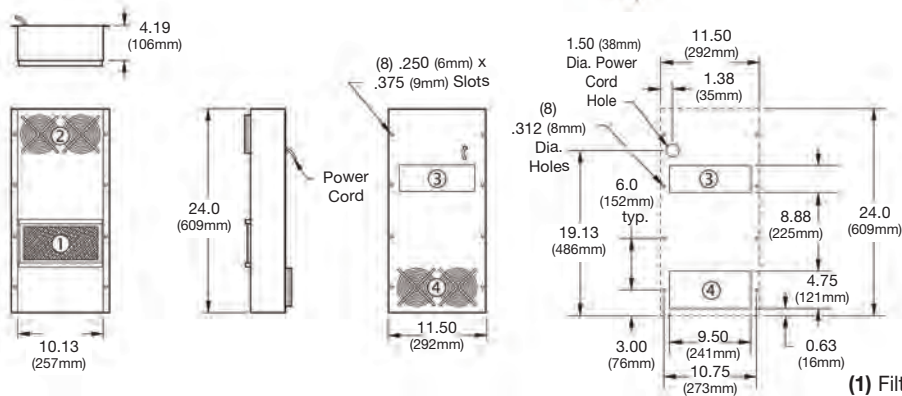
Catalog Number	Power		Max Temperature °F		Volts	Performance Watts °F (Air In)	Approx. Weight (lbs.)
	Amps	Watts	Enclosure	Ambient			
KXHE120A	0.8	75	160	-20 to 115	115	16	20
K2XHE120A	0.4	75	160	-20 to 115	230	16	20
KXHE125A	3.2	300	160	-20 to 131	115	57	55
K2XHE125A	1.6	300	160	-20 to 131	230	57	55

Notes: Data subject to change without notice. Consult factory for special requirements. Dimensions are in inches. Millimeters shown are for reference only.

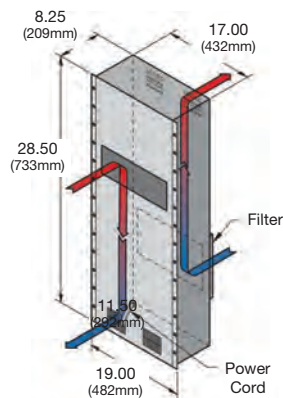
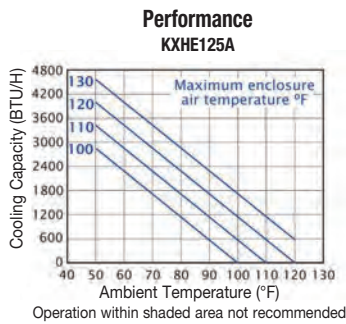
Heat Exchangers Type 12 KXHE Air-To-Air Climate Control



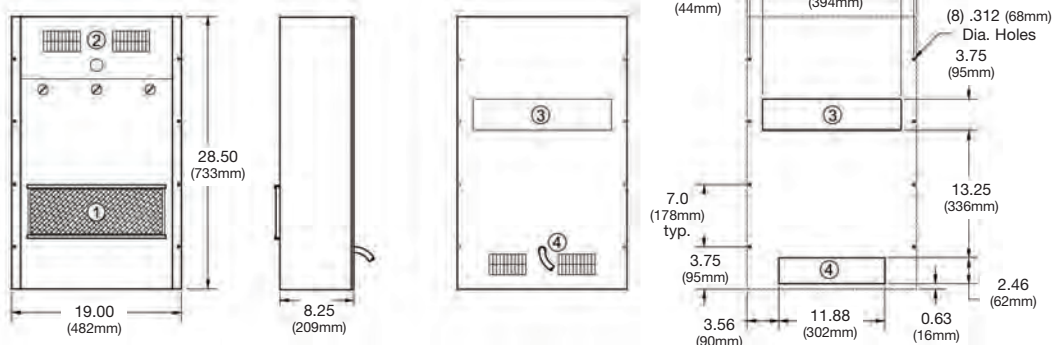
us
**NEMA
Type 12
MAINTAINED**



- (1) Filtered condenser air inlet (ambient air in)
- (2) Condenser outlet (warm ambient air out)
- (3) Warm air return from enclosure
- (4) Cool air outlet to enclosure



us
**NEMA
Type 12
MAINTAINED**



Notes: Data subject to change without notice. Consult factory for special requirements. Dimensions are in inches. Millimeters shown are for reference only.

Climate Control Products

Fans Twin & Triple Climate Control



KP875



KP500

Description

In low static pressure applications, these fans provide high airflow in a very thin package. The exclusive design provides exceptionally quiet operation in both intake and exhaust applications. Whether mounted horizontally or vertically, these minimum-vibration fans require little internal cabinet space, leaving virtually the entire cabinet free for power supplies or other components.

Features

- Exceptionally quiet
- Versatile mounting and adaptability
- Heavy-gauge steel construction
- UL/CSA ball-bearing motors
- Attractive stainless steel grilles
- All models can pressurize or exhaust
- Accessories and options

Accessories

All Packaged Fans

- Filter Recoating Adhesive
- Filters for replacement
- Special materials or external finishes
- Special motors, line cords or connectors
- Variable Speed Control
- Adapters
- Grille Assemblies

Discount Schedule: C2

Subclass: DT0

Climate Control

Technical Data							
Catalog Number	CFM@ 0-inches	RPM nominal	Amps		Watts	Volts	Weight (lbs.)
			RUN	L.R.			
KP500*	250	3100	0.6	0.9	55	115†	9
KP875*	440	1500	1.2	1.5	98	115†	12

† For 230 Volt models add a "2" after the "K" in the catalog number.

* Specify type of discharge, A or B.

Additional Specifications

Enclosures: Precision-engineered heavy-gauge steel construction. KP500 and KP875: 17 inches wide. EIA-notched flanges extend 17-inch enclosure to 19-inch panel width.

Permanent Filter: Furnished with each packaged fan.

Power Cord: All 115 VAC, 50/60 Hz units include a 36-inch (minimum) type SJT three-wire cord with molded plug, internally grounded and securely locked to case by strain relief bushing. 230 VAC, 50/60 Hz units are supplied without plugs.

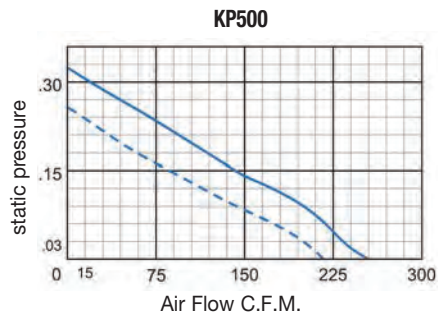
Grille/Guard: KP500 and KP875 each include a rear guard and an attractive 19-inch-wide stainless steel grille and knurled captive fasteners for easy removal. Grilles and guards comply with OSHA and UL safety standards.

KP500A = intake

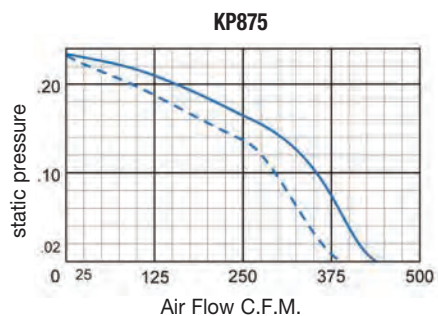
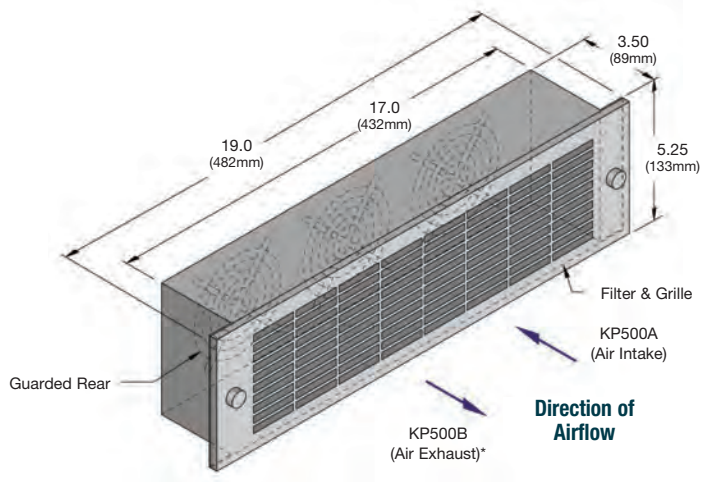
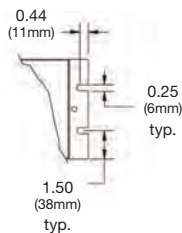
KP500B = exhaust

Notes: Data subject to change without notice. Consult factory for special requirements. Dimensions are in inches. Millimeters shown are for reference only.

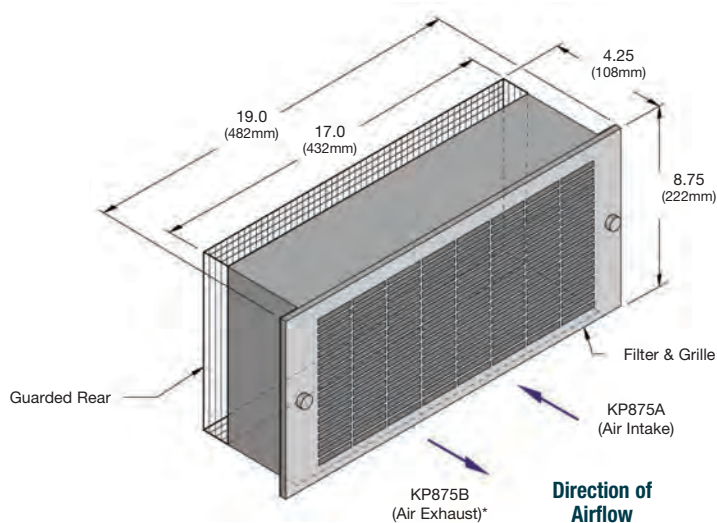
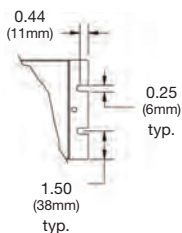
Fans Twin & Triple Climate Control



EIA Notch Detail



EIA Notch Detail



* For exhaust applications, filter may be removed and used at air intake.

Notes: Data subject to change without notice. Consult factory for special requirements. Dimensions are in inches. Millimeters shown are for reference only.

Climate Control Products

Fans Filter Box Climate Control



Accessories

All Packaged Fans

- Filter Recoating Adhesive
- Replacement Filters (531F for KP40, 681F for KP60, 1081F for KP100)
- Special materials or external finishes
- Special motors, line cords or connectors
- Variable Speed Control
- Adapters
- Grille Assemblies (KFG40, KFG60, KFG100) includes filter

Features

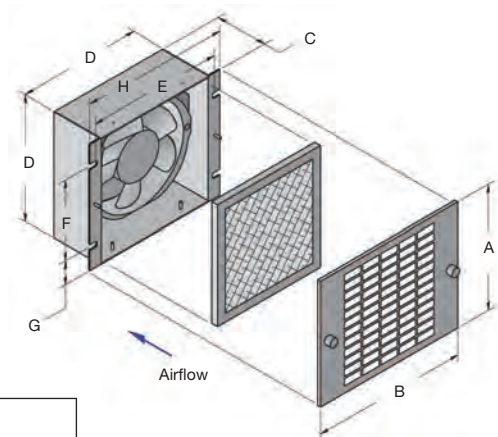
- Exceptionally quiet
- Versatile mounting and adaptability
- Heavy-gauge steel construction
- UL/CSA ball-bearing motors
- Attractive stainless steel grilles
- All models can pressurize or exhaust
- Accessories and options

Description

High airflow with low noise operations makes these versatile packaged fans very popular in a wide range of applications. Reversible mounting brackets allow user to push or pull air through the enclosure. In addition, these fans can be installed internally or externally, vertically or horizontally, with or without a filter. Utilizing the special motor-mount isolation system, these fans operate virtually vibration-free. Front and rear grilles can be adjusted to accommodate or omit filter. Filter slides in and out easily for cleaning and replacement.

Discount Schedule: C2

Subclass: DT0



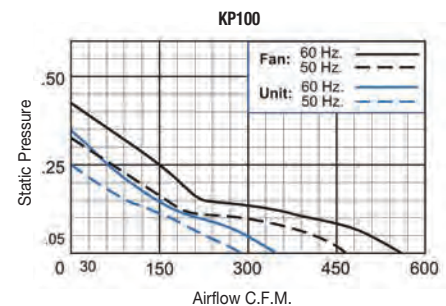
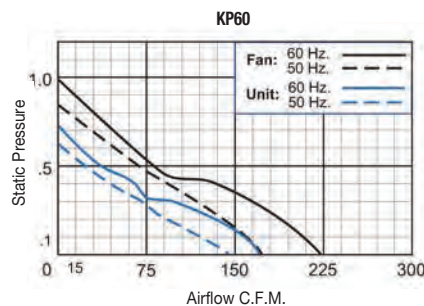
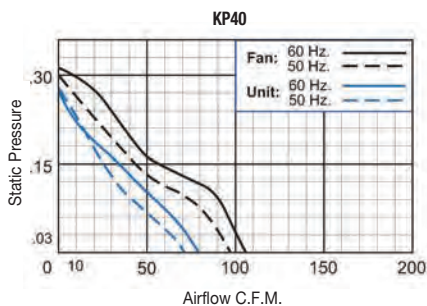
Technical Data

Catalog Number	CFM@ 0-inches	RPM nominal	Running Amps Run.	L.P.	Watts	Volts	Weight (Lbs.)
KP40	105	3000	0.18	0.33	15	115†	3.0
KP60	220	3300	0.29	0.35	33	115†	4.0
KP100	550	1600	0.49	1.30	60	115†	10.0

Dimensions Inches (mm)

Catalog No.	A	B	C	D	E	F	G	H
KP40	6.13 (156)	7.38 (187)	2.37 (60)	5.62 (143)	6.37 (162)	4.12 (104)	.75 (19)	7.00 (178)
KP60	7.63 (194)	8.87 (125)	3.00 (76)	7.12 (181)	7.87 (200)	4.50 (114)	1.31 (33)	8.50 (216)
KP100	11.63 (295)	13.00 (330)	4.56 (116)	11.12 (282)	11.87 (310)	6.87 (174)	2.12 (54)	12.50 (317)

† For 230 volt models add a "2" after the "K" in the catalog number.



Additional Specifications

Permanent Filter: Furnished with each packaged fan.

Grille/Guard: KP40, KP60 and KP100 each include a rear guard and an attractive stainless steel grille and knurled captive fasteners for easy removal. Grilles and guards comply with OSHA and UL safety standards.

Notes: Data subject to change without notice. Consult factory for special requirements. Dimensions are in inches. Millimeters shown are for reference only.

Fans Twin Blowers Climate Control



Description

Packaged Twin Blowers achieve exceptional performance through use of the largest possible blower housings and wheels.

Each contains a quadruplex centrifugal blower powered by a single precision ball-bearing motor. These widely-used Packaged Twin Blowers deliver air from more than 50% of their 17" width, while conventional blowers deliver air from only about 30%. Internal neoprene isolation mounts reduce transmission of vibration and AC hum to the enclosure. Long service life and trouble-free performance are assured through the use of precision ball-bearing motors in all models and by the dual inlet quadruplex design which uses intake air to cool the motor.

Features

- Capacities: 130 to 800 CFM
- Attractive 19 in. stainless steel grilles

Features (con't.)

- Heavy-gauge steel enclosures with EIA-notched flanges
- UL/CSA ball-bearing motors
- Dual inlet quadruplex design for maximum airflow
- Inlet air cools motor for longer life
- Permanent filters
- Exhaust guards included
- Three foot (minimum) SJT 3-wire power cord

Accessories & Options

- Adapters
- Airflow Switch
- EMI Shielding
- Filter Recoating Adhesive
- Filters for replacement
- Grille Assemblies for replacement
- Low Airflow Detector
- Other voltages and frequencies
- Recessed front
- Special materials or external finishes
- Special motors, line cords or connectors
- Variable Speed Control

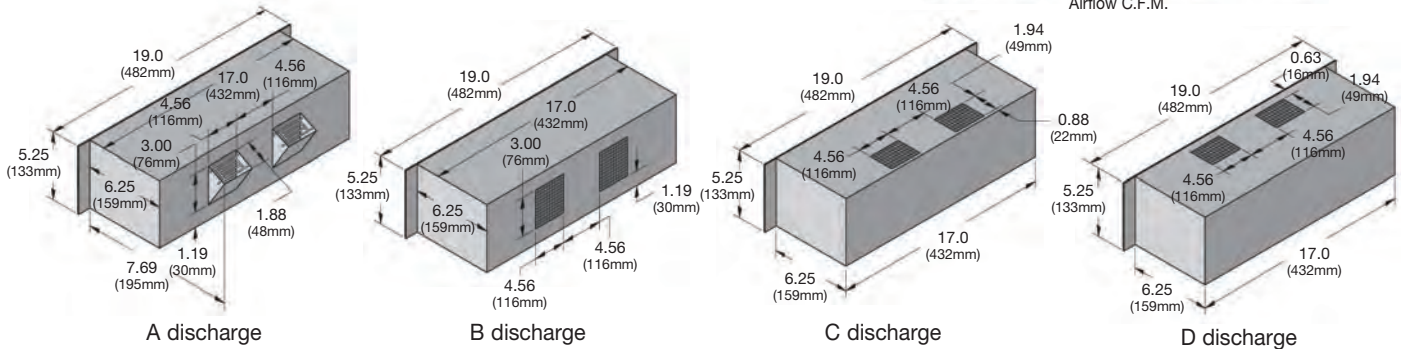
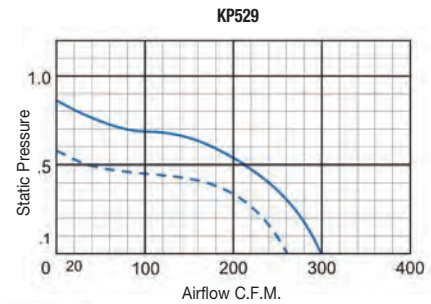
Discount Schedule: C2

Subclass: DTO

Technical Data							
Catalog Number	CFM@ 0-inches	RPM nominal	Amps		Watts	Volts	Weight (Lbs.)
			Run.	L.R.			
KP529*	300	3000	1.4	1.9	95	115†	13.0

† For 230 Volt models add a "2" after the "K" in the catalog number.

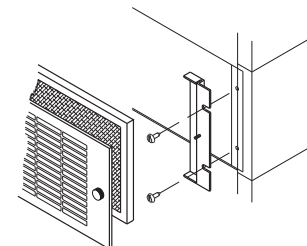
* Specify type of discharge.



Exhaust and Filter Assembly for Blower Package

To provide a filtered air intake in applications where the enclosure is being exhausted. The mirror-finish stainless steel grille is 65% open with low resistance to air flow. By loosening the captive thumbnuts the permanent filter is instantly available for cleaning. Each kit includes a grille assembly, filter and two EIA-notched brackets.

Catalog Number	Used With	Filter Size	Grille Sizes	
			H x L x D in.	H x L x D mm
KFG525-19	KP529	16.59" x 4.81"	5.13x19.00x.75	130x483x19
KFG875-19	KP875	16.59" x 8.69"	8.75x19.00x.75	222x483x19



Notes: Data subject to change without notice. Consult factory for special requirements. Dimensions are in inches. Millimeters shown are for reference only.

Climate Control Products

Heater Calculation Sheet

Climate Control

Enclosure Heaters are used to maintain minimum operating temperatures and to help prevent failure of electronic components caused by condensation and corrosion.

Follow steps 1-5 to determine the heating requirement of an enclosure (US units - left column, metric - right column)

STEP 1: Determine Surface Area (A) exposed to open air

Enclosure Dimensions: height = _____ feet _____ meters
width = _____ feet _____ meters
depth = _____ feet _____ meters

Assuming a free-standing enclosure $\Rightarrow A = 2$ (Height x Width) + 2 (Height x Depth) + 2 (Width x Depth)

$$A = \text{_____ ft}^2 \quad \text{or} \quad \text{_____ m}^2$$

STEP 2: Choose the Heat Transmission Coefficient (k) for your enclosure

painting steel = 0.511 W/(ft² • K) 5.5 W/(m² • K)
stainless steel = 0.344 W/(ft² • K) 3.7 W/(m² • K)
aluminum = 1.115 W/(ft² • K) 12 W/(m² • K)
plastic (or insulated stainless) = 0.325 W/(ft² • K) 3.5 W/(m² • K)

$$k = \text{_____ W/(ft}^2 \cdot \text{K)} \quad \text{or} \quad \text{_____ W/(m}^2 \cdot \text{K)}$$

STEP 3: Determine the Temperature Differential (ΔT)

Desired interior temperature = _____ °F _____ °C
Lowest ambient temperature = _____ °F _____ °C
Temperature differential = _____ °F _____ °C = K

Calculation requires ΔT to be in Kelvin (K)

Divide ΔT (°F) by 1.8 for $\Delta T = \text{_____ K}$ or _____ K

STEP 4: Determine Heating Power (P_V), if any

P_V = components in the enclosure which generates heat (i.e. transformers, power supplies, etc.)

$$P_V = \text{_____ W} \quad \text{or} \quad \text{_____ W}$$

STEP 5: Calculating the Required Heating Power (P_H)

If enclosure is located inside: $P_H = (A \times k \times \Delta T) - P_V = \text{_____ W}$
If enclosure is located outside: $P_H = 2 \times (A \times k \times \Delta T) - P_V = \text{_____ W}$

Heaters PTC Fan Heaters Climate Control



Description

PTC fan heaters are designed to help prevent failure of electronic components caused by condensation, corrosion and low temperatures. Integrated thermostat stabilizes enclosure temperature, improves performance and extends the life of critical components. EFHT series fan heaters are designed for larger applications with high power requirements.

Features

- Compact fan heater in PTC technology
- PTC (Positive Temperature Coefficient) heating element
- Maintains minimum operating temperatures in enclosures
- Helps prevent failure of electronic components caused by condensation and corrosion
- Heating power adjusts to ambient temperature
- Integrated adjustable thermostat and control light
- 35 mm DIN rail mountable
- UL, VDE, and CE

Discount Schedule: C2

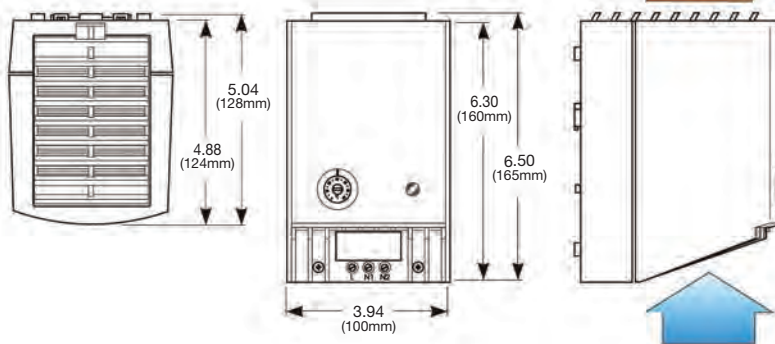
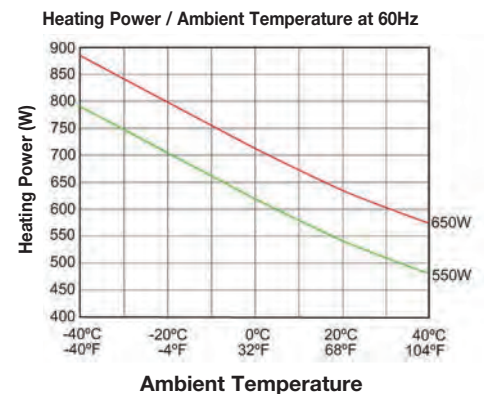
Subclass: TGO



Catalog Number	Voltage	Power	Max. current (inrush)	Axial Fan (ball bearing)	Thermostat range	Weight	
						lbs.	kg
EFHT550F-120	110-120 VAC	550 W (60 Hz)	14 A	20 cfm (35 m ³ /h)	32-140°F	2	0.9
EFHT650F-120	110-120 VAC	650 W (60 Hz)	15 A	26 cfm (45 m ³ /h)	32-140°F	2.4	1.1

Technical Data	
Heating element:	PTC-Semiconductor/resistor. Self regulating with changing ambient temperature (see graph below)
Overheat protection:	Temperature limiter in case of fan failure
Function control light:	LED
Housing:	Plastic, rated UL94V-0
Dimensions (HxWxD):	6.5x3.94x5" (165x100x128 mm)
Connection:	2 pole terminal, AWG 14, max. (2.5 mm ²)
Mounting:	Clip for 35 mm DIN rail, EN 50022
Protection class:	II (double insulated)
Protection type:	IP20

For spacing, add 2" clearance to heat sensitive parts.



Notes: Data subject to change without notice. Consult factory for special requirements. Dimensions are in inches. Millimeters shown are for reference only.

Climate Control Products

Heaters PTC Heater Climate Control



Description

PTC heaters are designed to help prevent failure of electronic components caused by condensation, corrosion and low temperatures. EH15 series feature PTC technology and are designed for smaller enclosure applications with lower wattage requirements.

Features

- Compact heater in PTC technology
- PTC (Positive Temperature Coefficient) heating element
- Maintains minimum operating temperatures in enclosures
- Helps to prevent failure of electronic components caused by condensation and corrosion
- Push connectors for quick and easy wiring
- 35 mm DIN rail mountable
- UL, VDE, and CE

Discount Schedule: C2

Subclass: TGO



Catalog Number	Power ⁽¹⁾	Max. Current ⁽²⁾	L		Weight	
			in.	mm	lbs.	kg
EH15	15W	0.5A	2.6	65	0.66	0.3
EH30	30W	1.0A	2.6	65	0.66	0.3
EH45	45W	1.0A	2.6	65	0.66	0.3
EH60	60W	1.5A	5.5	140	1.10	0.5
EH75	75W	1.8A	5.5	140	1.10	0.5
EH100	100W	2.4A	5.5	140	1.10	0.5
EH150	150W	4.5A	8.7	220	1.76	0.8

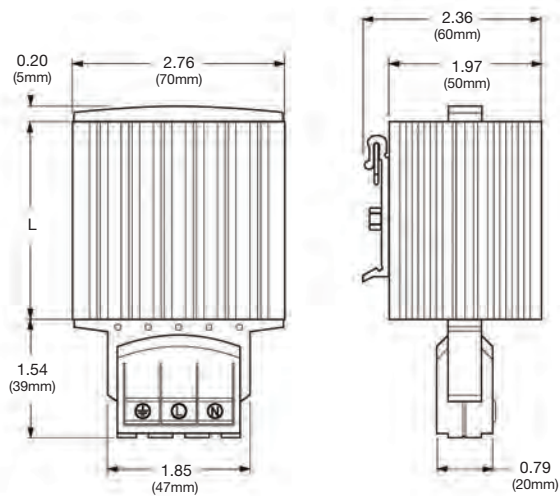
⁽¹⁾ At 68°F (20°C) ambient temperature. ⁽²⁾ Inrush current

Technical Data

Operating voltage:	AC/DC 110-250V
Heating element:	PTC resistor, self regulating
Heating body:	Anodized extruded aluminum
Protection class:	I, test voltage 1600V
Protection type:	IP20
Connection:	Push type terminals for stranded and rigid wire 3 x AWG 20-AWG 16 (0.5-2.5 mm ²)
Mounting:	Clip for 35 mm DIN rail, EN 50022
Agency approvals:	UL, VDE



Easy wiring by using push-type terminals



Notes: Data subject to change without notice. Consult factory for special requirements. Dimensions are in inches. Millimeters shown are for reference only.

Heaters Fan Heaters Climate Control



Shown: EFH100

Description

Fan heaters are designed to help prevent failure of electronic components caused by condensation, corrosion and low temperature. EFH100-120 series feature a wide wattage range for maximum versatility in a small compact design.

Features

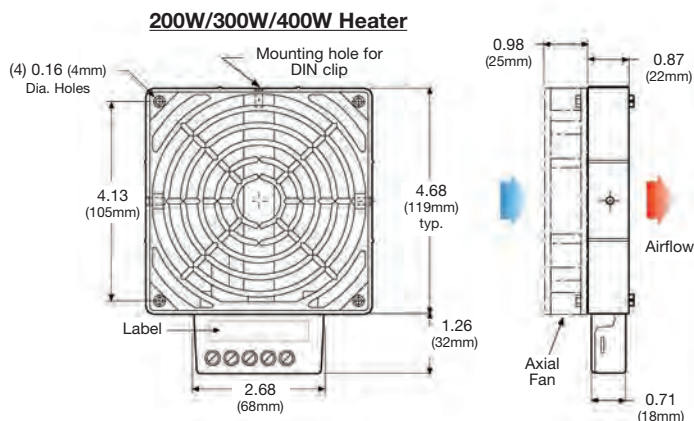
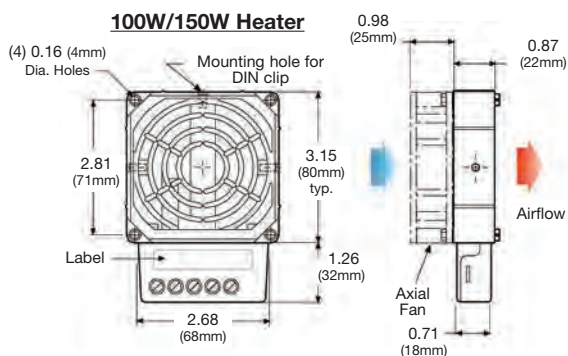
- Small compact size fan heater
- Maintains minimum operating temperatures in enclosures
- Helps prevent failure of electronic components caused by condensation and corrosion
- Built-in overheat protection
- 35 mm DIN rail mountable

Discount Schedule: C2

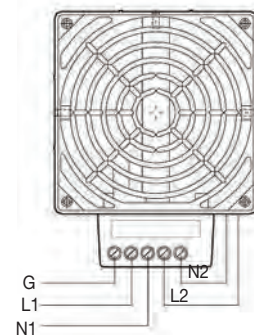
Subclass: TGO



Catalog Number	Power	Voltage	Air Flow	
			cfm min.	m ³ /h min.
EFH100-120	100W	110-120 VAC	20	35
EFH150-120	150W	110-120 VAC	20	35
EFH200-120	200W	110-120 VAC	63	108
EFH300-120	300W	110-120 VAC	63	108
EFH400-120	400W	110-120 VAC	63	108



Technical Data	
Heating element:	Resistance type heater
Heat sink:	Die-cast aluminum, glass bead finish
Overheat protection:	Built-in temperature limiter
Air exit temperature:	Approx. 113°F (45°C) 2" (50 mm) above heater
Wiring compartment:	Plastic UL94V-0
Wiring of axial fan:	2 pole terminal (L2/N2), AWG14 max. (2.5 mm ²)
Mounting:	Clip for 35 mm DIN rail, EN 50022
Protection type/class:	IP44/I (grounded)
Weight:	100/150W: 0.6 lbs. (240 kg) without fan 200/300/400W: 1.1 lbs. (490 kg) without fan
Agency approvals:	UL



Caution: Heater may only be operated with fan.

Notes: Data subject to change without notice. Consult factory for special requirements. Dimensions are in inches. Millimeters shown are for reference only.

Climate Control Products

Temperature & Humidity Controls Small Thermostat Climate Control



ESTNC-F

ESTNO-F

Description

Small thermostats are easy to install and designed to regulate the air temperature inside enclosures. Thermostats increase operating life of fans, heaters and heat exchangers. B-Line's ESTNC-F (normally closed) thermostat opens at temperature rise and is used to control heaters and low temperature alarms. B-Line's ESTNO-F (normally open) thermostat closes at temperature rise and is used to control cooling fans, air conditioners and high temperature alarms.

Features

- Compact design
- Wide adjustment range
- Color coded temperature dials
- 35 mm DIN rail mountable
- Tolerance $\pm 7.2^\circ\text{F}$ (4K)
- 2-pole terminal for AWG 14 max.
- Protection type: IP30
- Plastic housing UL94V-0

Discount Schedule: C2
Subclass: TGO



Catalog Number	Contact Type	Switching Capacity		Housing Scale	Dimensions	
		@ 120 VAC	@ 250 VAC		in.	mm
ESTNC-F	Normally closed	15A resistive/1A inductive	10A resistive/1A inductive	30-140°F	2.4x1.3x1.4	60x33x35
ESTNO-F	Normally opened	15A resistive/1A inductive	10A resistive/1A inductive	30-140°F	2.4x1.3x1.4	60x33x35

Climate Control

Electronic Humidity and Temperature Control



Description

Electronic humidity and temperature control regulates the air temperature and relative humidity inside enclosures. Depending on which contact combination is chosen, the control turns on or off a connected device if either the temperature is below, or the humidity is above the set point.

Features

- Controls both temperature and humidity
- High switching capacity
- Optical function display
- 35 mm DIN rail mountable
- Tolerance $\pm 3.6^\circ\text{F}$ (2k)
- 5-pole terminal for AWG 14 max.
- Protection type: IP20
- Plastic housing UL94V-0

Discount Schedule: C2
Subclass: TGO



Catalog Number	Temperature Range	Humidity Range	Voltage	Hz	Switching Capacity		Dimensions	
					@ 120 VAC	@ 240 VAC	in.	mm
EHTC120-F	32-140°F adjustable	50-90% RH adjustable	120 VAC	50/60	8A Resistive 7 FLA/45 LRA	8A Resistive 5 FLA/30 LRA	2.6x2.0x1.5	67x50x39

Contacts	close at...	open at...	use for
3 and 5	humidity rise or temperature drop	humidity drop or temperature rise	heaters de-humidifiers low-temp alarms
4 and 5	humidity drop or temperature rise	humidity rise or temperature drop	cooling humidifiers high-temp alarms

Notes: Data subject to change without notice. Consult factory for special requirements. Dimensions are in inches. Millimeters shown are for reference only.



Accessories

Panels

JIC & Small Panels, RHC Panels, Type 1 Medium Panels, NEMA Panels, JIC Perforated Panels, Medium Perforated Panels, Flanged Panels, Wood Back Panels, 400-407

Panel Accessories - JIC & NEMA Swing Panel Kits, Panel Supports, Lifting Hooks 408-410

Window Kits - Fixed & Hinged 411-412

Door Accessories - Door Stops & Print Pockets 412

Locks, Latches, Inserts, Handles, Clamps

Locks, Latches, Inserts, & Handles 413-423

Clamp Kits, Padlock Kit 424-426

Bolt-On Accessories

Folding Shelf Kit & Gland Plates, Floor Stand Kit & Stabilizer 427-428

Louver Plate Kits, Filters, & Filter Adhesive 429-430

Baffle Plates & Hole Seals, Drip Shields & Casters, Barriers, Component Mounting Device 431-434

Electrical Accessories

JIC & NEMA Terminal Strap & Block Strip Kits 435-437

Terminal Blocks - Channel Mounted & Flat Base, Terminal Strap Support 438-440

Enclosure Lights & Interlocks 441-442

Power Strips & Receptacles 443-444

Disconnect Adapter Kits & Blank Adapter Plates 445

Columns & Bases 446-447

Hardware

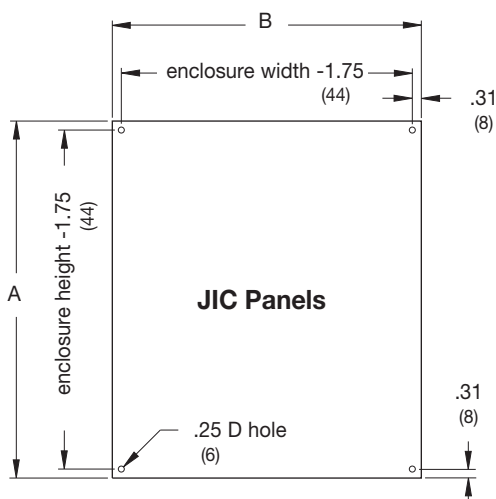
Hardware Packages, Ground Lug & Devices, Sealing Devices, Clamping Nuts, Touch-Up Paint 448-450

Panels & Panel Accessories JIC & Small Panels Illustration Sheet and Catalog Number

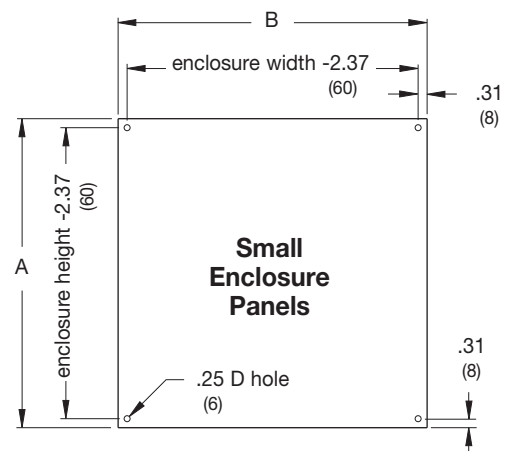
Discount Schedule: C2; A2
Subclass: DS0

JIC Flat Panel Catalog Number				A		B		Gauge	Fits Enclosure	
Painted Steel	Galvanized Steel	Stainless	Aluminum	in.	mm	in.	mm		Height x Width	in. mm
AW64P	AW64GP	AW64SP	AW64AP	4.87	124	2.87	73	14	6.00x4.00	152x102
AW66P	AW66GP	AW66SP	AW66AP	4.87	124	4.87	124	14	6.00x6.00	152x152
AW86P	AW86GP	AW86SP	AW86AP	6.87	174	4.87	124	14	8.00x6.00	203x152
AW88P	AW88GP	AW88SP	AW88AP	6.87	174	6.87	174	14	8.00x8.00	203x203
AW108P	AW108GP	AW108SP	AW108AP	8.87	225	6.87	174	14	10.00x8.00	254x203
AW1010P	AW1010GP	AW1010SP	AW1010AP	8.87	225	8.87	225	14	10.00x10.00	254x254
AW126P	-	-	-	10.87	276	4.87	124	14	12.00x6.00	305x152
AW1210P	AW1210GP	AW1210SP	AW1210AP	10.87	276	8.87	225	14	12.00x10.00	305x254
AW1212P	AW1212GP	AW1212SP	AW1212AP	10.87	276	10.87	276	14	12.00x12.00	305x305
AW148P	-	-	-	12.87	327	6.87	174	14	14.00x8.00	356x203
AW1412P	AW1412GP	AW1412SP	AW1412AP	12.87	327	10.87	276	14	14.00x12.00	356x305
AW1610P	-	-	-	14.87	378	8.87	225	14	16.00x10.00	406x254
AW1614P	AW1614GP	AW1614SP	AW1614AP	14.87	378	12.87	327	14	16.00x14.00	406x356

Small Enclosure Flat Panel Catalog Number	A		B		Gauge	Fits Enclosure	
	in.	mm	in.	mm		Height	x Width
N66P	4.25	108	4.25	108	14	6.00x6.00	152x152
N86P	6.25	159	4.25	108	14	8.00x6.00	203x152
N88P	6.25	159	6.25	159	14	8.00x8.00	203x203
N108P	8.25	210	6.25	159	14	10.00x8.00	254x203
N1010P	8.25	210	8.25	210	14	10.00x10.00	254x254
N1210P	10.25	260	8.25	210	14	12.00x10.00	305x254
N1212P	10.25	260	10.25	260	14	12.00x12.00	305x305
N1412P	12.25	360	10.25	260	14	14.00x12.00	356x305
N2012P	18.25	463	10.25	260	14	20.00x12.00	508x305



JIC panels can be installed in all types of JIC Enclosures. Some sizes will fit the NEMA 12 Lay-In Wireway Junction Box. Panels are available in steel, galvanized steel, stainless and aluminum. Painted steel panels have a white powder finish. Stainless steel and aluminum panels have a smooth brushed finish on one side and protected with PVC film.



Small Enclosure panels can be installed in Small Type 3R RHC and Small Type 1 Enclosures. Panels are only available in steel, and have a white powder finish.

Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Panels & Panel Accessories

RHC Panels

Illustration Sheet and Catalog Number

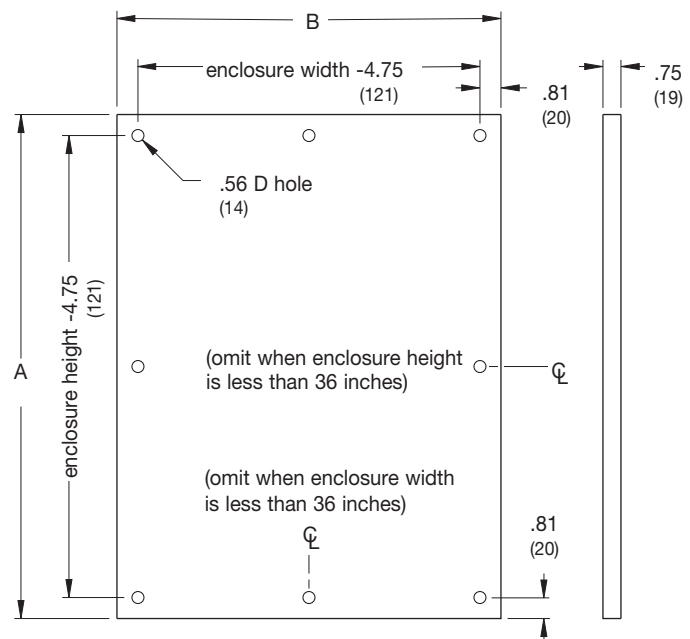
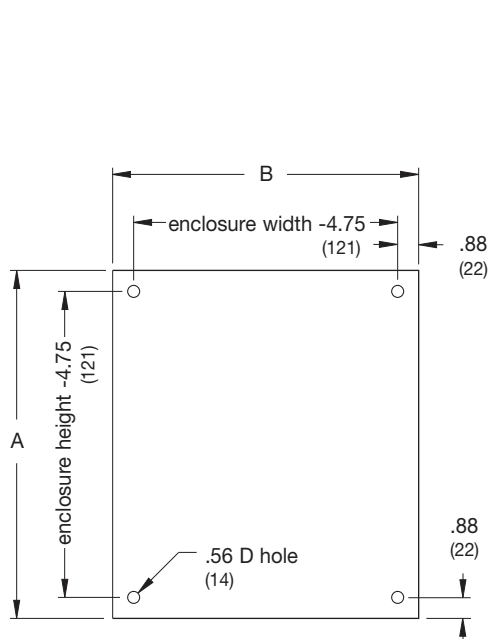
Discount Schedule: C2
Subclass: DSO



Flat Panel Catalog Number	A		B		Gauge	Fits Enclosure Height x Width	
	in.	mm	in.	mm		in.	mm
N1612P	13.00	330	9.00	229	12	16.00x12.00	406x305
N1616P	13.00	330	13.00	330	12	16.00x16.00	406x406
N1818P	15.00	381	15.00	381	12	18.00x18.00	457x457
N2016P	17.00	432	13.00	330	12	20.00x16.00	508x406
N2020P	17.00	432	17.00	432	12	20.00x20.00	508x508

Flanged Panel Catalog Number	A		B		Gauge	Fits Enclosure Height x Width	
	in.	mm	in.	mm		in.	mm
N2420P	20.87	530	16.87	428	12	24.00x20.00	610x508
N2424P	20.87	530	20.87	530	12	24.00x24.00	610x610
N3024P	26.87	682	20.87	530	12	30.00x24.00	762x610
N3624P	32.87	835	20.87	530	12	36.00x24.00	914x610
N3030P	26.87	682	26.87	682	12	30.00x30.00	762x762
N3630P	32.87	835	26.87	682	12	36.00x30.00*	914x762
N4230P	38.87	987	26.87	682	12	42.00x30.00*	1067x762
N4830P	44.87	1140	26.87	682	12	48.00x30.00*	1219x762
N3636P	32.87	835	32.87	835	12	36.00x36.00	914x914
N4236P	38.87	987	32.87	835	12	42.00x36.00*	1067x914
N4836P	44.87	1140	32.87	835	12	48.00x36.00*	1219x914
N6036P	56.87	1444	32.87	835	12	60.00x36.00	1524x914

* Panel also fits these enclosures when height and width dimensions are reversed.



RHC Flat Panels can be installed in Large Type 3R RHC Enclosures. Panels are only available in steel and have a white powder paint finish.

RHC Flat Panels

RHC Flanged Panels can be installed in Large Type 3R RHC Enclosures. Panels are only available in steel and have a white powder paint finish.

RHC Flanged Panels

Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

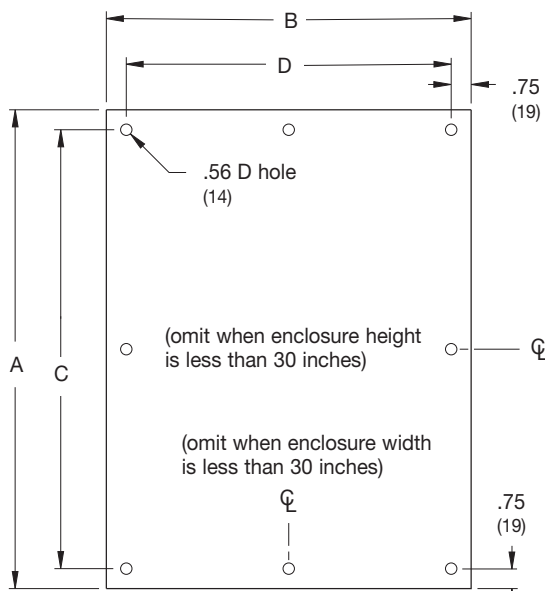
Panels & Panel Accessories Type 1 Medium Enclosure & NEMA Flat Panels Illustration Sheet and Catalog Number

Discount Schedule: C2
Subclass: DSO

Type 1 Medium Enclosure Flat Panel Catalog Number	A		B		C		D		Gauge	Fits Enclosure Height x Width	
	in.	mm	in.	mm	in.	mm	in.	mm		in.	mm
AW1612-1P	13.00	330	10.50	267	11.50	292	9.00	228	14	16.00x12.00	406X305
AW1616-1P	13.00	330	14.50	368	11.50	292	13.00	330	14	16.00x16.00	406X406
AW1620-1P	13.00	330	18.50	470	11.50	292	17.00	432	14	16.00x20.00	406X508
AW2016-1P	17.00	432	14.50	368	15.50	394	13.00	330	14	20.00x16.00	508X406
AW2020-1P	17.00	432	18.50	470	15.50	394	17.00	432	14	20.00x20.00	508X508
AW2024-1P	17.00	432	22.50	572	15.50	394	21.00	533	14	20.00x24.00	508X610
AW2416-1P	21.00	533	14.50	368	19.50	495	13.00	330	14	24.00x16.00	610X406
AW2420-1P	21.00	533	18.50	470	19.50	495	17.00	432	14	24.00x20.00	610X508
AW2424-1P	21.00	533	22.50	572	19.50	495	21.00	533	14	24.00x24.00	610X610
AW3020-1P	26.00	660	18.50	470	24.50	622	17.00	432	14	30.00x20.00	762X508
AW3024-1P	26.00	660	22.50	572	24.50	622	21.00	533	14	30.00x24.00	762X610
AW3030-1P	26.00	660	28.50	724	24.50	622	27.00	686	14	30.00x30.00	762X762
AW3624-1P	32.00	813	22.50	572	30.50	775	21.00	533	14	36.00x24.00	914X610
AW3630-1P	32.00	813	28.50	724	30.50	775	27.00	686	14	36.00x30.00	914X762
AW4224-1P	38.00	965	22.50	572	36.50	927	21.00	533	14	42.00x24.00	1067X610

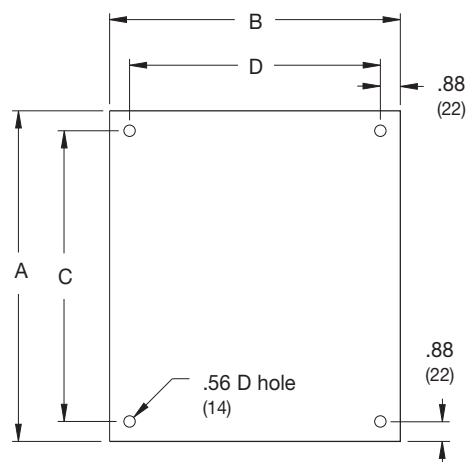
NEMA Flat Panel Catalog Number				A		B		C		D		Gauge	Fits Enclosure Height x Width	
Painted Steel	Galvanized Steel	Stainless	Aluminum	in.	mm	in.	mm	in.	mm	in.	mm		in.	mm
AW1612P	AW1612GP	AW1612SP	AW1612AP	13.00	330	9.00	229	11.25	286	7.25	184	12	16.00x12.00	406x305
AW1616P	AW1616GP	AW1616SP	AW1616AP	13.00	330	13.00	330	11.25	286	11.25	286	12	16.00x16.00	406x406
AW2012P	-	-	-	17.00	432	9.00	229	15.25	387	7.25	184	12	20.00x12.00	508x305
AW2016P	AW2016GP	AW2016SP	AW2016AP	17.00	432	13.00	330	15.25	387	11.25	286	12	20.00*x16.00*	508x406
AW2020P	AW2020GP	AW2020SP	AW2020AP	17.00	432	17.00	432	15.25	387	15.25	387	12	20.00x20.00	508x508
AW2412P	-	AW2412SP	-	21.00	533	9.00	229	19.25	489	7.25	184	12	24.00*x12.00*	610x305
AW2416P	AW2416GP	AW2416SP	AW2416AP	21.00	533	13.00	330	19.25	489	11.25	286	12	24.00x16.00	610x406

* Panel also fits these enclosures when height and width dimensions are reversed.



Type 1 medium enclosure panels can be installed in Type 1 medium panel enclosures. Panels are only available in steel and have a white powder paint finish.

Type 1 Medium Enclosure Panels



NEMA flat panels can be installed in Type 4X, Type 4 and Type 12 NEMA Enclosures. Panels are available in steel, galvanized steel, stainless steel, and aluminum. Painted steel panels have a white powder paint finish. Stainless steel and aluminum panels have a smooth brushed finish on one side and protected with PVC film.

NEMA Flat Panels

Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Panels & Panel Accessories JIC & Small Enclosure Perforated Panels Illustration Sheet and Catalog Number

Discount Schedule: C2; A2
Subclass: DSO

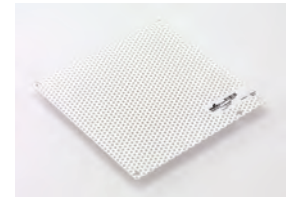
Catalog Number	A		B		Gauge	Fits Enclosure Height x Width	
	in.	mm	in.	mm		in.	mm
AW64PP	4.87	124	2.87	73	16	6.00x4.00	152x102
AW66PP	4.87	124	4.87	124	16	6.00x6.00	152x152
AW86PP	6.87	174	4.87	124	16	8.00x6.00	203x152
AW88PP	6.87	174	6.87	174	16	8.00x8.00	203x203
AW108PP	8.87	225	6.87	174	16	10.00x8.00	254x203
AW1010PP	8.87	225	8.87	225	16	10.00x10.00	254x254
AW126PP	10.87	276	4.87	124	16	12.00x6.00	305x152
AW1210PP	10.87	276	8.87	225	16	12.00x10.00	305x254
AW1212PP	10.87	276	10.87	276	16	12.00x12.00	305x305
AW148PP	12.87	327	6.87	174	16	14.00x8.00	356x203
AW1412PP	12.87	327	10.87	276	16	14.00x12.00	356x305
AW1610PP	14.87	378	8.87	225	16	16.00x10.00	406x254
AW1614PP	14.87	378	12.87	327	16	16.00x14.00	406x356

Panels are available in steel and have a white powder paint finish.

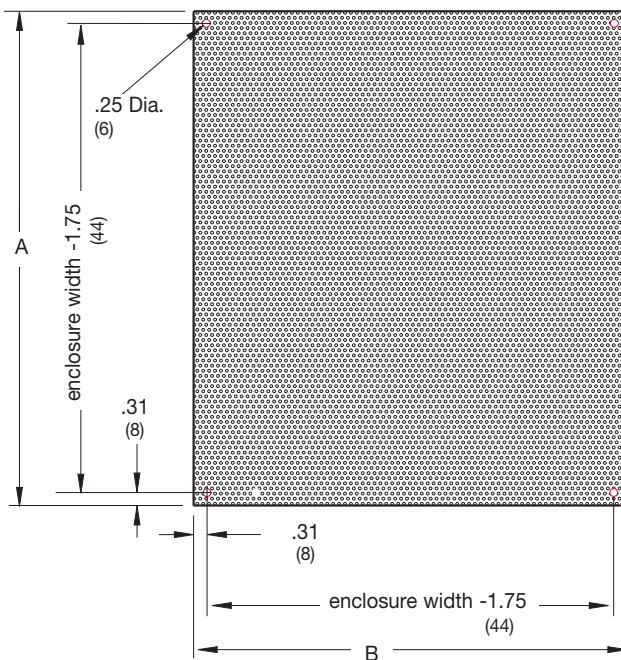
Catalog Number	A		B		Gauge	Fits Enclosure Height x Width	
	in.	mm	in.	mm		in.	mm
N66PP	4.25	108	4.25	108	16	6.00x6.00	152x152
N86PP	6.25	159	4.25	108	16	8.00x6.00	203x152
N88PP	6.25	159	6.25	159	16	8.00x8.00	203x203
N108PP	8.25	210	6.25	159	16	10.00x8.00	254x203
N1010PP	8.25	210	8.25	210	16	10.00x10.00	254x254
N1210PP	10.25	260	8.25	210	16	12.00x10.00	305x254
N1212PP	10.25	260	10.25	260	16	12.00x12.00	305x305
N1412PP	12.25	360	10.25	260	16	14.00x12.00	356x305
N2012PP	18.25	463	10.25	260	16	20.00x12.00	508x305

Panels are available in steel and have a white powder paint finish.

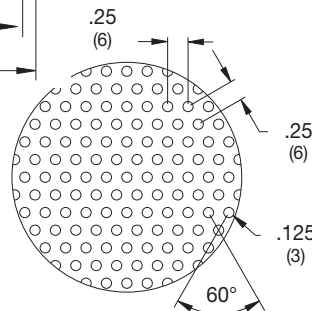
Hardware Packages			
Catalog Number	Description	Typical Use	Quantity
10168	#8-32 x .375 inch self tap steel screw	NEMA 1 & JIC perforated panels	20



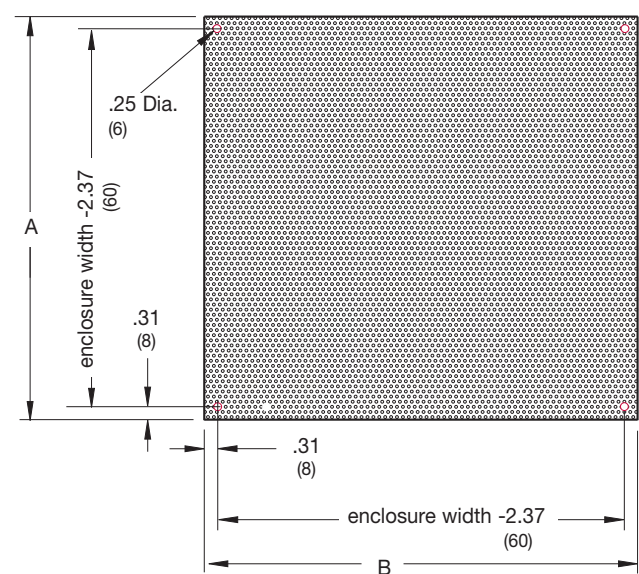
JIC Enclosure Perforated Panels



JIC perforated panels can be installed in all types of JIC Enclosures, and are intended for mounting lightweight components without drilling and tapping.



Small Enclosure Perforated Panels



Small enclosure perforated panels can be installed in small Type 3R RHC, and small Type 1 Enclosures, and are intended for mounting lightweight components without drilling and tapping.

Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Accessories

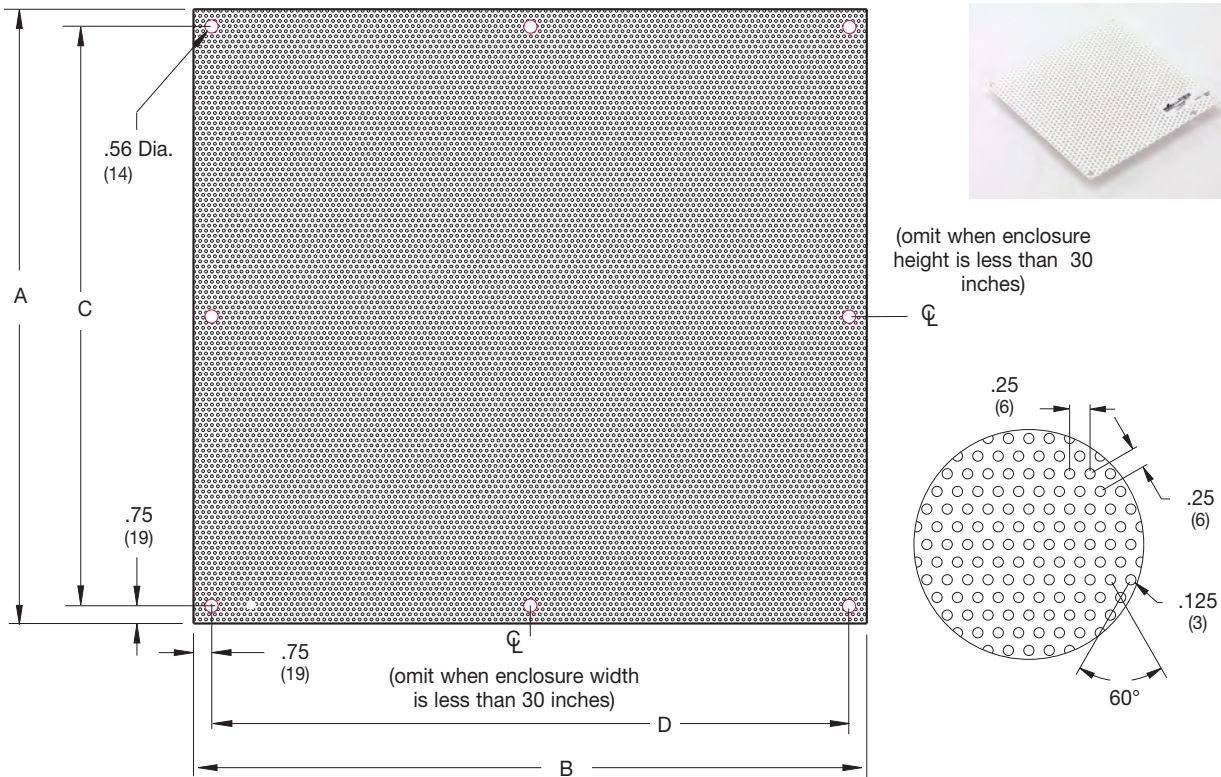
Panels & Panel Accessories Medium Perforated Panels Illustration Sheet and Catalog Number

Discount Schedule: C2
Subclass: DS0

Type 1 Medium Enclosure Flat Perforated Panel Catalog Number	A		B		C		D		Gauge	Fits Enclosure Height x Width	
	in.	mm	in.	mm	in.	mm	in.	mm		in.	mm
AW1612-1PP	13.00	330	10.50	267	11.50	292	9.00	228	16	16.00x12.00	406X305
AW1616-1PP	13.00	330	14.50	368	11.50	292	13.00	330	16	16.00x16.00	406X406
AW1620-1PP	13.00	330	18.50	470	11.50	292	17.00	432	16	16.00x20.00	406X508
AW2016-1PP	17.00	432	14.50	368	15.50	394	13.00	330	16	20.00x16.00	508X406
AW2020-1PP	17.00	432	18.50	470	15.50	394	17.00	432	16	20.00x20.00	508X508
AW2024-1PP	17.00	432	22.50	572	15.50	394	21.00	533	16	20.00x24.00	508X610
AW2416-1PP	21.00	533	14.50	368	19.50	495	13.00	330	16	24.00x16.00	610X406
AW2420-1PP	21.00	533	18.50	470	19.50	495	17.00	432	16	24.00x20.00	610X508
AW2424-1PP	21.00	533	22.50	572	19.50	495	21.00	533	16	24.00x24.00	610X610
AW3020-1PP	26.00	660	18.50	470	24.50	622	17.00	432	16	30.00x20.00	762X508
AW3024-1PP	26.00	660	22.50	572	24.50	622	21.00	533	16	30.00x24.00	762X610
AW3030-1PP	26.00	660	28.50	724	24.50	622	27.00	686	16	30.00x30.00	762X762
AW3624-1PP	32.00	813	22.50	572	30.50	775	21.00	533	16	36.00x24.00	914X610
AW3630-1PP	32.00	813	28.50	724	30.50	775	27.00	686	16	36.00x30.00	914X762
AW4224-1PP	38.00	965	22.50	572	36.50	927	21.00	533	16	42.00x24.00	1067X610

Hardware Packages

Catalog Number	Description	Typical Use	Quantity
10168	#8-32 x .375 inch self tap steel screw	NEMA 1 & JIC perforated panels	20



Type 1 medium enclosure perforated panels can be installed in Type 1 Medium Panel Enclosures. Panels are available in steel and have a white powder paint finish.

Type 1 Medium Enclosure Perforated Panels

Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Panels & Panel Accessories

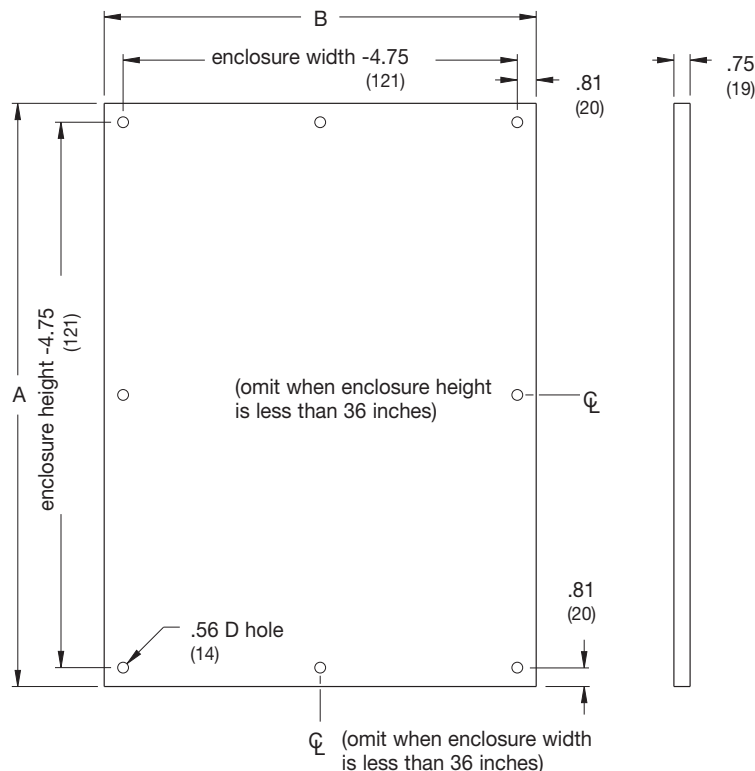
NEMA Flanged Panels

Illustration Sheet and Catalog Number

Discount Schedule: C2
Subclass: DSO

NEMA Flanged Panel Catalog Number				A		B		Gauge	Fits Enclosure Height x Width	
Painted Steel	Galvanized Steel	Stainless	Aluminum	in.	mm	in.	mm		in.	mm
AW2420P	AW2420GP	AW2420SP	AW2420AP	20.87	530	16.87	428	12	24.00* 24.00*	610x 610
AW2424P	AW2424GP	AW2424SP	AW2424AP	20.87	530	20.87	530	12	24.00* 24.00*	610x 610
AW3016P	AW3016GP	AW3016SP	AW3016AP	26.87	682	12.87	327	12	30.00* 16.00*	762x 406
AW3020P	AW3020GP	AW3020SP	AW3020AP	26.87	682	16.87	428	12	30.00* 20.00*	762x 508
AW3024P	AW3024GP	AW3024SP	AW3024AP	26.87	682	20.87	530	12	30.00* 24.00*	762x 610
AW3030P	AW3030GP	AW3030SP	AW3030AP	26.87	682	26.87	682	12	30.00* 30.00*	762x 762
AW3624P	AW3624GP	AW3624SP	AW3624AP	32.87	835	20.87	530	12	36.00* 24.00*	914x 610
AW3630P	AW3630GP	AW3630SP	AW3630AP	32.87	835	26.97	685	12	36.00* 30.00*	914x 762
AW3636P	-	AW3636SP	-	32.87	835	32.87	835	12	36.00* 36.00*	914x 914
AW4224P	-	-	-	38.87	987	20.87	530	12	42.00* 24.00*	1067x 610
AW4230P	AW4230GP	AW4230SP	AW4230AP	38.87	987	26.87	682	12	42.00* 30.00*	1067x 762
AW4236P	AW4236GP	AW4236SP	AW4236AP	38.87	987	32.87	835	12	42.00* 36.00*	1067x 914
AW4242P	-	-	-	38.87	987	38.87	987	12	42.00* 42.00*	1067x 1067
AW4824P	-	-	-	44.87	1140	20.87	530	12	48.00* 24.00*	1219x 610
AW4830P	AW4830GP	AW4830SP	-	44.47	1130	26.87	682	12	48.00* 30.00*	1219x 762
AW4836P	AW4836GP	AW4836SP	AW4836AP	44.87	1140	32.87	835	12	48.00* 36.00*	1219x 914
AW4842P	AW4842GP	AW4842SP	AW4842AP	44.87	1140	38.87	987	12	48.00* 42.00*	1219x 1067
AW4848P	-	-	-	44.87	1140	44.87	1140	12	48.00* 48.00*	1219x 1219
AW6030P	-	-	-	56.87	1444	26.87	682	12	60.00* 30.00*	1524x 762
AW6036P	AW6036GP	AW6036SP	AW6036AP	56.87	1444	32.87	835	12	60.00* 36.00*	1524x 914
AW6042P	-	-	-	56.87	1444	38.87	987	12	60.00* 42.00*	1524x 1067
AW7230P	-	-	-	68.87	1749	26.87	682	12	72.00* 30.00*	1829x 762
AW7236P	-	-	-	68.87	1749	32.87	835	12	72.00* 36.00*	1829x 914

* Panel also fits these enclosures when height and width dimensions are reversed.



NEMA Flanged Panels can be installed in consoles, Type 4X, Type 4, and Type 12 NEMA Enclosures. Panels are available in steel, galvanized steel, stainless steel and aluminum. Painted steel panels have a white powder paint finish. Stainless steel and aluminum panels have a smooth brushed finish on one side and protected with PVC film.

Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Accessories

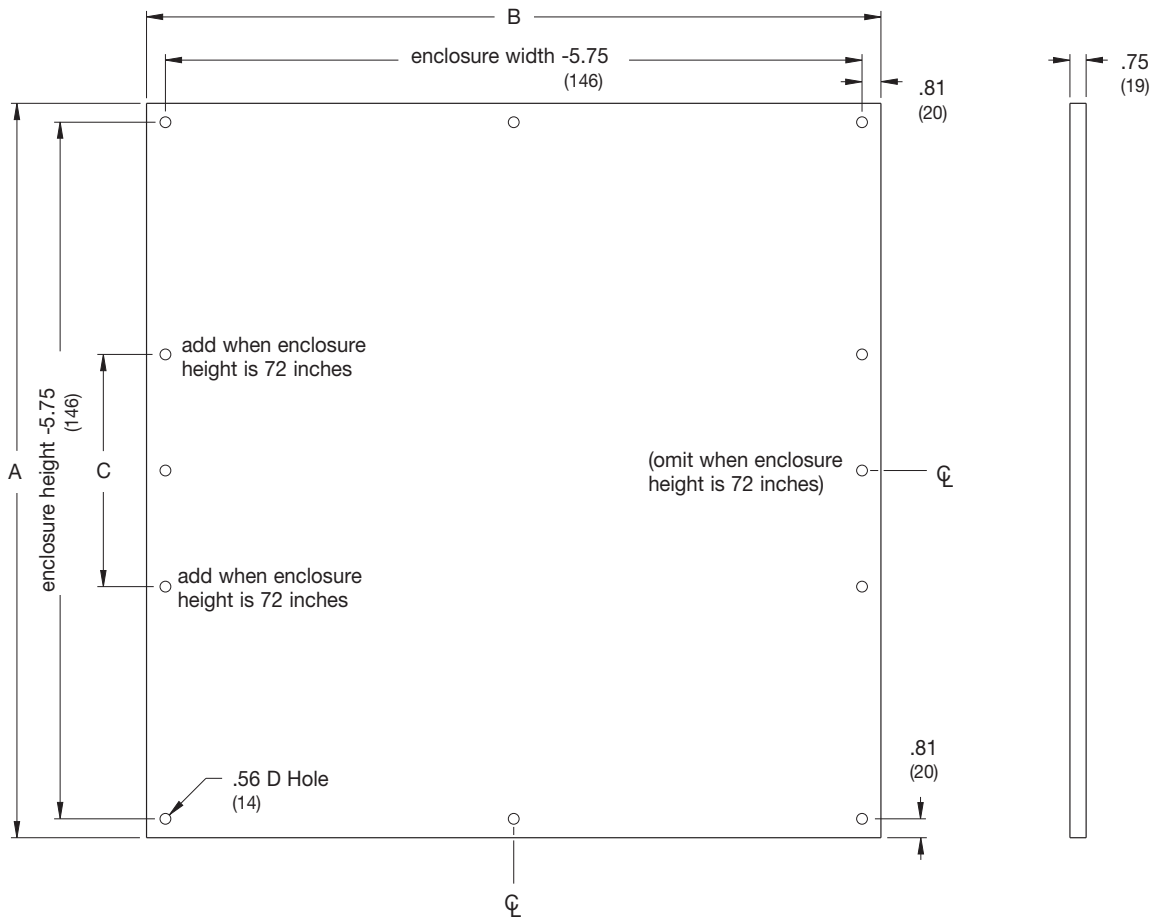
Panels & Panel Accessories Large NEMA Flanged Panels Illustration Sheet and Catalog Number

Discount Schedule: C2

Subclass: DSO

Panel Catalog Number			A		B		C		Gauge	Fits Enclosure*	
Steel	Stainless	Aluminum	in.	mm	in.	mm	in.	mm		Height in.	Width mm
AW5442P	-	-	49.87	1267	37.87	962	-	-	10	54.00x42.00	1372X1067
AW6048P	AW6048SP	AW6048AP	55.87	1419	43.87	1114	-	-	10	60.00x48.00	1524X1219
AW6060P	AW6060SP	AW6060AP	55.87	1419	55.87	1419	-	-	10	60.00x60.00	1524X1524
AW7260P	AW7260SP	AW7260AP	67.87	1724	55.87	1419	22.06	560	10	72.00x60.00	1829X1524
AW7272P	AW7272SP	AW7272AP	67.87	1724	67.87	1724	22.06	560	10	72.00x72.00	1829X1829

*Panel also fits Type 4X and Type 4 where the height is 2.00 inches more than shown in the table



Large Flanged Panels can be installed in Floor Standing Type 4X, Type 4 and Type 12 Enclosures. Handle Kits are furnished with each panel. Steel panels have a white powder paint finish. Stainless steel and aluminum panels have a smooth brushed finish on one side and protected with PVC film.

Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

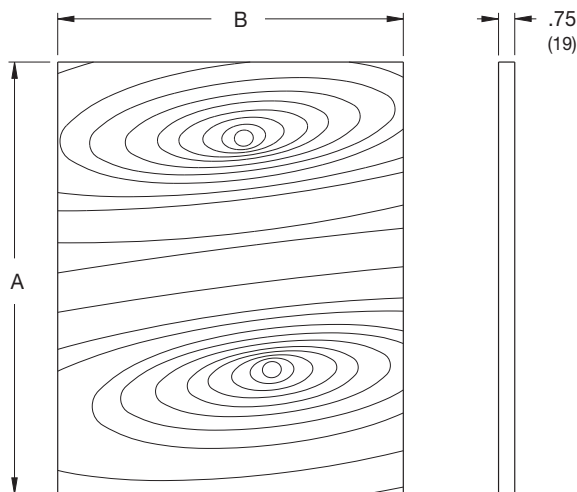
Panels & Panel Accessories

Wood Back Panels

Illustration Sheet and Catalog Number

Discount Schedule: A2
Subclass: AQ0

Wood Back Board Catalog Number	A		B		Fits Enclosure Height x Width	
	in.	mm	in.	mm	in.	mm
88 WB	5.00	127	5.00	127	8.00x8.00	203x203
1010 WB	7.00	178	7.00	178	10.00x10.00	254x254
128 WB	9.00	229	5.00	127	12.00x8.00	350x203
1210 WB	9.00	229	7.00	178	12.00x10.00	305x254
1212 WB	9.00	229	9.00	229	12.00x12.00	305x305
1612 WB	13.00	330	9.00	229	16.00x12.00	406x305
1812 WB	15.00	381	9.00	229	18.00x12.00	457x305
1815 WB	15.00	381	12.00	305	18.00x15.00	457x381
1818 WB	15.00	381	15.00	381	18.00x18.00	457x457
2412 WB	21.00	533	9.00	229	24.00x12.00	610x305
2418 WB	21.00	533	15.00	381	24.00x18.00	610x457
2424 WB	21.00	533	21.00	533	24.00x24.00	610x610
3015 WB	27.00	686	12.00	305	30.00x15.00	762x381
3018 WB	27.00	686	15.00	381	30.00x18.00	762x457
3024 WB	27.00	686	21.00	533	30.00x24.00	762x610
3030 WB	27.00	686	27.00	686	30.00x30.00	762x762
3624 WB	33.00	838	21.00	533	36.00x24.00	914x610
3630 WB	33.00	838	27.00	686	36.00x30.00	914x762
3636 WB	33.00	838	33.00	838	36.00x36.00	914x914
4824 WB	45.00	1143	21.00	533	48.00x24.00	1219x610
4836 WB	45.00	1143	33.00	838	48.00x36.00	1219x914
4848 WB	45.00	1143	45.00	1143	48.00x48.00	1219x1219

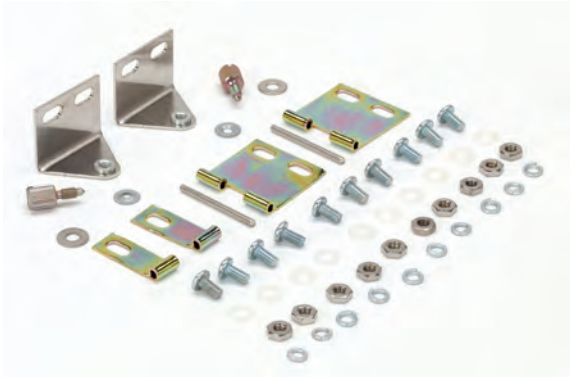


Wood back boards are intended for Type 1 and Type 3R Telephone Termination Cabinets. However, they may be installed in any enclosure that will accommodate the board size. Standard boards are cut from shop grade type CDX plywood with one side finished smooth. Boards normally are not treated or painted. Consult the factory for special cuts, holes, finishes or wood treating.

Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Accessories

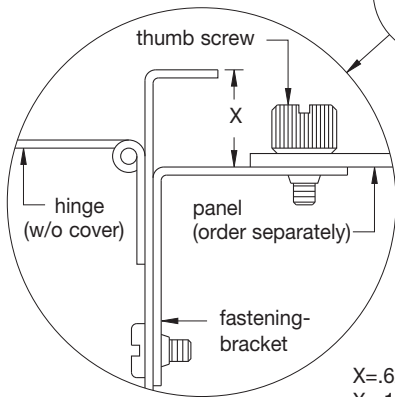
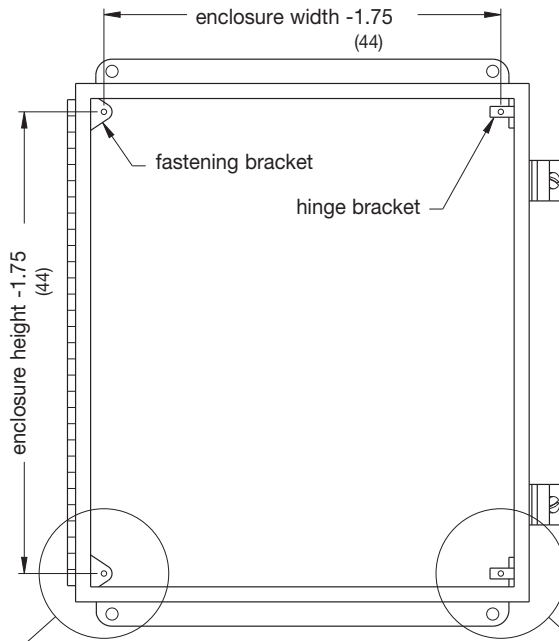
Panels & Panel Accessories JIC Swing Panels Illustration Sheet and Catalog Number



Catalog Number	Description
JICSPK	For use with JIC Enclosures that are 8.00 (203 mm) x 6.00 (152 mm) inches or larger. The distributed weight of panel and equipment should not exceed 25 pounds.

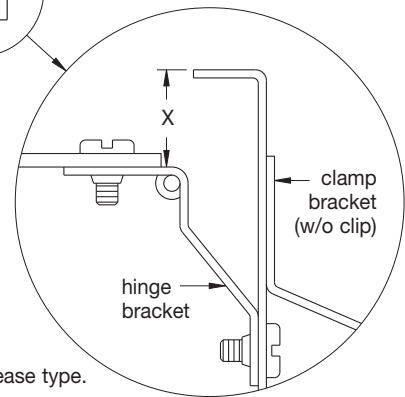
This kit offers a means for mounting user's components and equipment near the front of an enclosure opening for easy access. The JIC Swing Panel Kit includes two hinge brackets, two fastening brackets, knurled thumb screws, retaining hardware and instructions for installing standard panels. Panels must be ordered separately.

Discount Schedule: C2
Subclass: DSO



Panel Fastening Detail

Front View
(without cover)



Panel Hinge Detail

X = .62 (16) Min. for all JIC Enclosures Except Quick Release type.
X = 1.37 (35) min. for JIC Quick-Release type.

Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Panels & Panel Accessories

NEMA Swing Panels

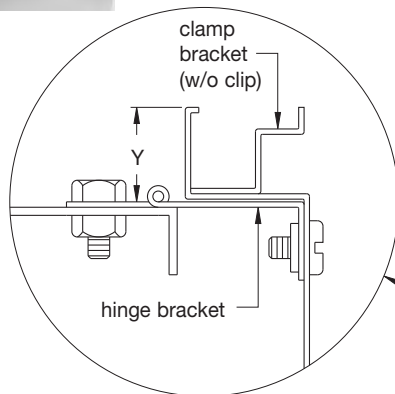
Illustration Sheet and Catalog Number



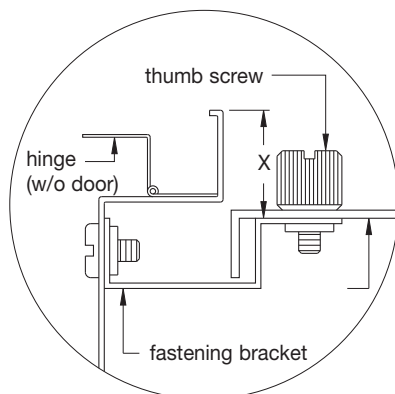
Catalog Number	Description
NSPK	For use with Type 4, Type 4X, and Type 12 Single Door Enclosures 16.00 (406 mm) x 12.00 (305 mm) and larger, provided the distributed weight of panel and equipment does not exceed 100 pounds. Also used on the Larger Type 12 CHSC and Larger Type 3R RHC Enclosure.

This kit offers a means for mounting user components and equipment near the front of an enclosure opening for easy access. The NEMA Swing Panel Kit includes two hinge brackets, two fastening brackets, knurled thumb screws, retaining hardware, bracket mounting hardware and instructions for installing standard panels. Panels must be ordered separately.

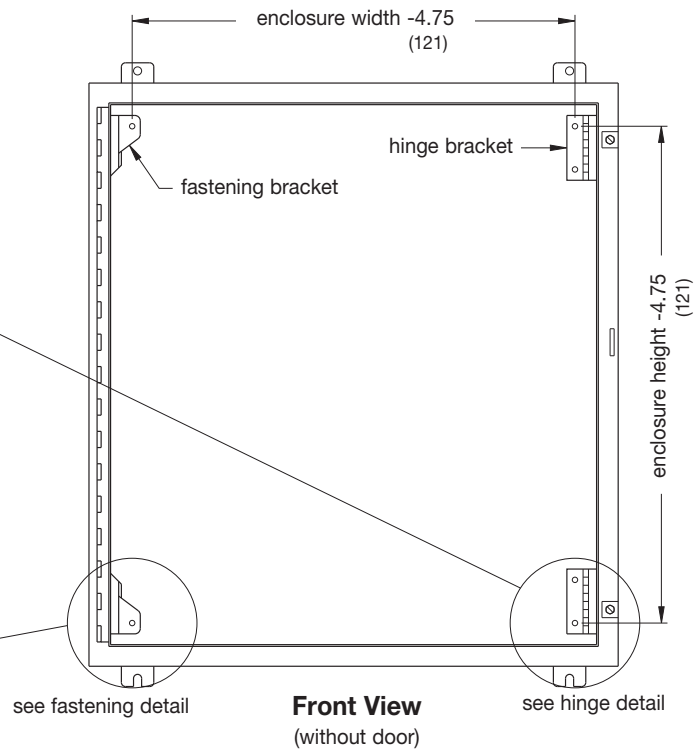
Discount Schedule: C2
Subclass: DS0



Panel Hinge Detail



Panel Fastening Detail



Front View
(without door)

- X= 1.37 (35) min. Type 4, Type 4X, & Type 12 Single door, and Large Type 3R RHC Enclosures
- Y= 1.25 (32) min. Type 4, Type 4X, & Type 12 Single door, and Large Type 3R RHC Enclosures
- X= 1.00 (25) min. Large Type 12 CHSC Enclosures
- Y= .87 (22) min. Large Type 12 CHSC Enclosures

Notes: Large Type 12 CHSC Enclosures have back panels installed. Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Accessories

Panels & Panel Accessories Panel Support & Lifting Hooks Illustration Sheet and Catalog Number

Discount Schedule: C2
Subclass: DSO



Panel Support Kits	
Catalog Number	Description
PS3	For use on Single Door and Double-Door Floor-Standing Enclosure Panels
PS9	For use on Free-Standing and Multi-Door Free-Standing Enclosure Panels

Designed to provide additional support to panels which are burdened with heavy equipment. Supports fit over the bottom corner collar Studs. Each support bracket can be adjusted so that the load can be shared between the support and the stud. A “jam” nut maintains the adjustment. At the base of the support bracket is a nylon shoe to prevent damage to the interior finish. Two support brackets assemblies are furnished with each kit.



Panel Lifting Hooks	
Catalog Number	Description
PLH	Panel lifting hooks

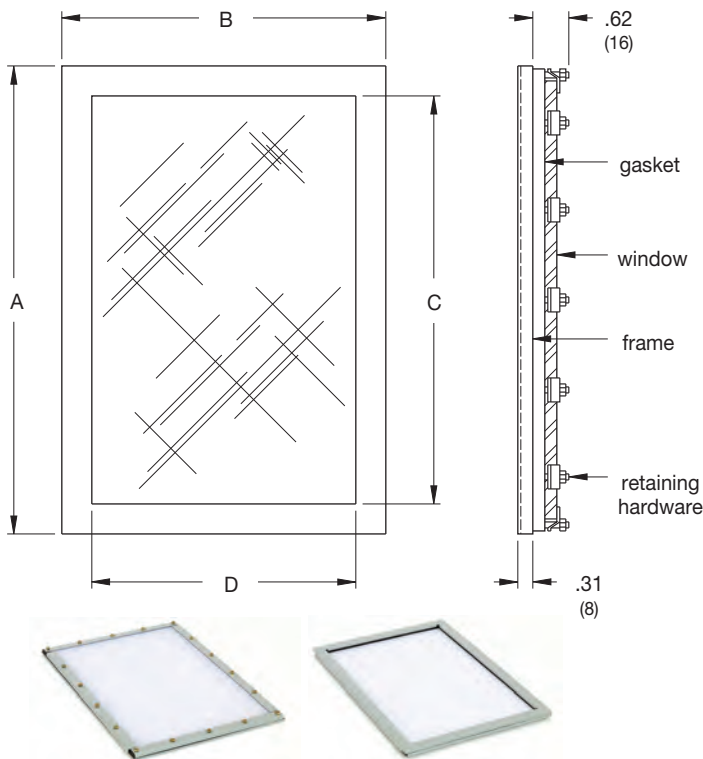
Two (2) Panel lifting hooks are used for picking up and moving large panels. The hooks are designed to be used on back panels while laying flat.

Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

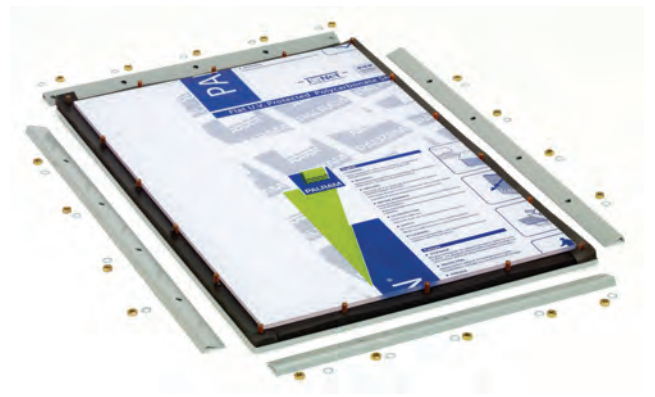
Window Kits Fixed Window Illustration Sheet and Catalog Number

Discount Schedule: C2
Subclass: DSO

Framed Window Kits		Frame Detail				Window Detail				Enclosure	
Catalog Number		A		B		C		D		Cut-Out	
Steel	Stainless	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm
PWK53	PWK53SS	7.50	191	5.50	140	5.00	127	3.00	76	6.62x4.62	168x117
PWK95	PWK95SS	11.50	292	8.00	203	9.00	229	5.50	140	10.62x7.12	270x181
PWK133	PWK133SS	15.50	394	5.50	140	13.00	330	3.00	76	14.62x4.62	371x117
PWK138	PWK138SS	15.50	394	10.50	267	13.00	330	8.00	203	14.62x9.62	371x244
PWK175	PWK175SS	19.50	495	8.00	203	17.00	432	5.50	140	18.62x7.12	473x181
PWK1711	PWK1711SS	19.50	495	13.50	343	17.00	432	11.00	279	18.62x12.62	473x321
PWK2315	PWK2315SS	25.50	648	17.50	445	23.00	584	15.00	381	24.62x16.62	625x422
PWK2919	PWK2919SS	31.50	800	21.50	546	29.00	737	19.00	483	30.62x20.62	778x524
PWK3523	PWK3523SS	37.50	953	25.50	648	35.00	889	23.00	584	36.62x24.62	930x625



Steel Framed Window Kits are designed for use with Type 4 and Type 12 Enclosures. Stainless Steel Framed Window Kits are for use with Type 4X Enclosures, however, they can also be used on Type 4 and Type 12, if additional corrosion protection is needed. Steel kits are constructed from heavy gauge and have an ANSI 161 gray polyester powder finish. Stainless steel kits are constructed from Type 304 stainless and have a brushed finish. Each kit includes a .25 inch (6 mm) thick polycarbonate window and gasket to ensure a tight, oil and water-resistant seal around the enclosure cut-out. Hardware and instructions for field installation are also furnished. UL Listed.



Frameless Window Kits				
Catalog Number	Window Size		Enclosure cut-out (max)	
	in.	mm	in.	mm
FLWK52	6.00 x 3.00	152 x 76	5.00 x 2.00	127 x 51
FLWK96	10.00 x 7.00	254 x 178	9.00 x 6.00	229 x 152
FLWK133	14.00 x 4.00	356 x 102	13.00 x 3.00	330 x 76

Frameless Window Kits are intended for use with Type 1 and Type 12 Enclosures. Each kit includes a roll of .50 inch (13 mm) wide double-sided adhesive tape and a .12 inch (3 mm) thick polycarbonate window. Instructions for mounting and hardware are also furnished. UL listed.

Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Accessories

Window & Door Kit Accessories Illustration Sheet and Catalog Number

Discount Schedule: C2
Subclass: DS0

Hinged Windows



Front Side



Back Side

Catalog Number	Frame Detail				Window Detail				Enclosure	
	Height		Width		Height		Width		Cut-Out	
	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm
HWK1212	12.50	318	12.50	318	10.12	257	10.12	257	11.87x11.87	301x301
HWK1612	16.50	419	12.50	318	14.12	359	10.12	257	15.87x11.87	403x301
HWK2016	20.50	521	16.50	419	18.12	460	14.12	359	19.87x15.87	505x403
HWK2020	20.50	521	20.50	521	18.12	460	18.12	460	19.87x19.87	505x505
HWK2420	24.50	622	20.50	521	22.12	562	18.12	460	23.87x19.87	606x505
HWK3024	30.50	775	24.50	622	28.12	714	22.12	562	29.87x23.87	759x606

Provides a clear view to components mounted inside an enclosure. The window is made of .21-inch thick polycarbonate. All mounting hardware is provided for easy installation. Gasketing along all edges maintains the Type 12 rating. Finished in ANSI 61 gray polyester powder. UL Listed.

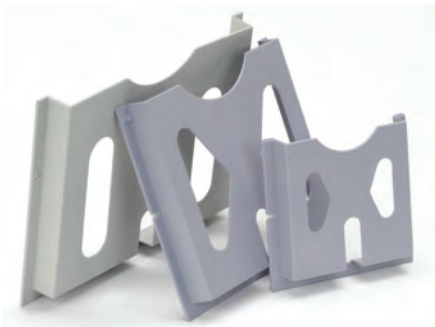
Door Stops

Door Stop Kit	
Catalog Number	Description
DSTOPK	Door stop kit

Door Stop Kits are intended for most Type 4, Type 4X, and Type 12 Single Door Wall-Mount Enclosures that have a minimum width of 16 inches. The kit is designed to mount at the top or bottom of the door opening. When properly installed the door can be held open approximately 135°. Tools are not necessary to affix or release the stop. When not in use the assembly folds and locks neatly away. Each kit contains detailed mounting instructions and all the necessary hardware for field assembly.



Print Pockets



Catalog Number	Length x Width	
	in.	mm
32170	6"x 6"	152x152
32171	10"x10"	254x254
32172	9"x12"	229x305

Print pockets provide a convenient place to store operation manuals, diagrams, or other documents inside the enclosure. Thermoplastic pockets are gray and have cut away areas for viewing contents. Pockets have adhesive backing for mounting inside on enclosure door.

Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Locks, Latches, Inserts, & Handles Flush Locks

Illustration Sheet and Catalog Number

Discount Schedule: C2

Subclass: DSO

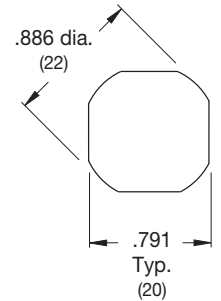
Type 1 Panel Enclosure Flush Lock



Type 1 Enclosure Flush Lock	
Catalog Number	Description
T1EFL	New Flush lock

Flush Locks are used as a keyed locking mechanism for Type 1 small, medium and large Panel Enclosures. Mechanisms are steel with a plated finish.

Hole Pattern Detail

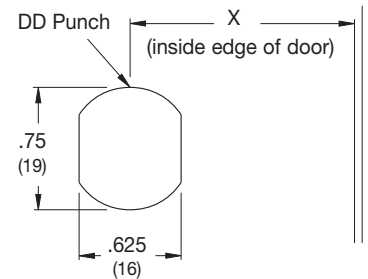


Type 4 & Type 12 JIC Enclosure Flush Lock



JIC 4 & 12 Flush Lock	
Catalog Number	Description
25352 A	JIC 4 & 12 flush lock

Flush Locks are intended for 1-pt field modifications to most Type 4 and 12 JIC Enclosures as well as the Large Type 12 CHSC Enclosures. Included is detail instructions for the door hole size and location (see detail at right). The lock is steel with a bright plated finish.



Hole Pattern Detail

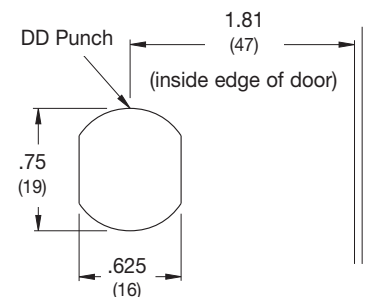
X = 1.18 (30) JIC Enclosure
X = 1.68 (43) Large Type 12 CHSC Enclosure

Type 4 & 12 NEMA Enclosure Flush Locks



NEMA 4 & 12 Flush Lock	
Catalog Number	Description
25351 A	NEMA 4 & 12 flush lock

Flush lock is intended for 1-pt field modification to most Type 4 and Type 12 Single Door Wall-Mount Enclosures. Included is detail instructions for the door hole size and location (see detail at right). The lock is steel with a bright plated finish.



Hole Pattern Detail

Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Locks, Latches, Inserts, & Handles Inserts

Illustration Sheet and Catalog Number

Discount Schedule: C2

Type 1 Panel Enclosure Security Inserts



7MT1TLK

7MT1SLK



3MT1DBLK

Type 1 Enclosure Security Latch Inserts	
Catalog Number	Description
7MT1TLK	7mm triangular latch insert
7MT1SLK	7mm square latch insert
3MT1DBLK	3mm double bit latch insert

Security latch inserts interchange with slotted quarter-turn flush latch and provide security and control access to interior of enclosure. Inserts include matching key.

Type 4 Premier Enclosure Security Inserts



7MTLK

Catalog Number	Description
7MTLK	7mm triangular latch insert
7MSLK	7mm square latch insert
3MDBLK	3mm double bit latch insert

Security latch inserts interchange with slotted quarter-turn flush latch and provide security and control access to interior of enclosure. Inserts include matching key.



7MSLK



3MDBLK

Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Locks, Latches, Inserts, & Handles Latches & Locks Illustration Sheet and Catalog Number

Discount Schedule: C2
Subclass: DS0, 0A0 *

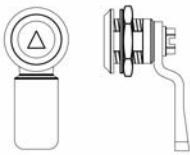
Type 4 & Type 12 Security Latch Kits



25270A



25278 A



25277A



25289A



25288A

Latch Kits for Type 4 & 12 Enclosures	
Catalog Number	Description
25270 A	Slotted flush latch
25278 A	Triangle flush latch key
25277 A *	Triangle flush latch
25289 A *	Square flush latch key
25288 A	Square flush latch

A = Chrome Plate
Intended to be used on Type 4 and Type 12/13 enclosures which utilize external screw clamps. Latches require a hole punched or drilled in the door for installation. Once installed, an internal O-ring and external gasket maintain a dust-tight and water-tight seal. The tamper resistant latches require specific keys to gain access.

Type 1 Single-Door Telephone Cabinet Tumbler Locks



25092A



25092B

Type 1 Tel Cab Mechanism	
Catalog Number	Description
25092 A	For right hand hinged single door cabinet
25092 B	For left hand hinged single door cabinet

Tumbler Locks are used as replacement mechanisms for Type 1 Single-Door Telephone Termination Cabinets. The low profile mechanism is excellent for surface and flush cabinet cover mounting.

Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Accessories

Locks, Latches, Inserts, & Handles Locks & Latches Illustration Sheet and Catalog Number

Discount Schedule: C2
Subclass: DSO

Type 1 & Type 12 Quarter-Turn Enclosure Locks



T1KLBM & T12KLB

Type 1 & Type 12	
Catalog Number	Description
T1KLBM	Type 1 - Small Locking - Black/Stainless Steel
T12KLB	Type 12 - Large Locking - Black/Stainless Steel

Type 4 Quarter-Turn Enclosure Locks & Latches



T4DLBM & T4DLB

Type 4	
Catalog Number	Description
T4DLBM	Type 4 - Small Slotted Latch - Black Finish
T4DLB	Type 4 - Large Slotted Latch - Black Finish



T4WNBM & T4WNB

Type 4	
Catalog Number	Description
T4WNBM	Type 4 - Small Wing Knob - Black Finish
T4WNB	Type 4 - Large Wing Knob - Black Finish



T4KLWNBM

Type 4	
Catalog Number	Description
T4KLWNBM	Type 4 - Small Keylocking Wing Knob - Black Finish



T4KLWNB

Type 4	
Catalog Number	Description
T4KLWNB	Type 4 - Large Keylocking Wing Knob - Black Finish



T4PLWNB

Type 4	
Catalog Number	Description
T4PLWNB	Type 4 - Large Padlockable Wing Knob - Black Finish

Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Locks, Latches, Inserts, & Handles Locks, Latches, & Inserts Illustration Sheet and Catalog Number

Discount Schedule: C2
Subclass: DS0

Type 4 Quarter-Turn Enclosure Locks, Latches, & Inserts



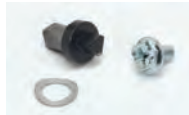
T4THB

Type 4	
Catalog Number	Description
T4THB	Type 4 - Large T-Handle Non-Locking - Black Finish



T4KLTHB

Type 4	
Catalog Number	Description
T4KLTHB	Type 4 - Large T-Handle Key-Locking - Black Finish



7MT4TLKB & 6.5MT4TLKBM

Type 4	
Catalog Number	Description
7MT4TLKB	Type 4 - Large Security Insert (7mm Triangle) - Black Finish
6.5MT4TLKBM	Type 4 - Small Security Insert (6.5mm Triangle) - Black Finish



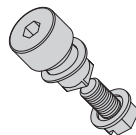
7MT4SLKB & 6MT4SLKBM

Type 4	
Catalog Number	Description
7MT4SLKB	Type 4 - Large Security Insert (7mm Square) - Black Finish
6MT4SLKBM	Type 4 - Small Security Insert (6mm Square) - Black Finish



3MT4DBLKB

Type 4	
Catalog Number	Description
3MT4DBLKB	Type 4 - Large Security Insert 3mm Double Bit - Black Finish



4MT4HXLKBM

Type 4	
Catalog Number	Description
4MT4HXLKBM	Type 4 - Small Security Insert (4mm Socket Hex) - Black Finish

Type 4X Quarter-Turn Enclosure Latch



T4XDLSSM & T4XDLSS

Type 4X	
Catalog Number	Description
T4XDLSSM	Type 4X - Small Slotted Latch - Stainless Steel
T4XDLSS	Type 4X - Large Slotted Latch - Stainless Steel

Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Accessories

Locks, Latches, Inserts, & Handles T-Handles

Illustration Sheet and Catalog Number

Type 3R Double-Door Enclosure Padlock Handle



Type 3R Padlock Handle	
Catalog Number	Description
25350 A	Type 3R padlock handle

Type 3R Padlock Handle is intended to be used as a replacement mechanism for Type 3R Double-Door Enclosures. It is designed to fit existing 3-pt locking rod and cam assembly. The handle is steel with a bright plated finish.

Discount Schedule: C2

Subclass: DSO

Type 1 & 3R Double-Door Telephone Cabinet T-Handle Lock



Type 1 & 3R T-Handle Lock	
Catalog Number	Description
25421 A	T-handle lock

T-Handle Lock is intended to be used as a replacement mechanism for Type 1 Double Door Telephone Termination Cabinets, Type 3R Telephone Termination Cabinets. The handle is designed to fit doors that hinge on either the left or right side. Cam and adjustable hardware can be rotated accordingly. The lock is steel with a bright plated finish.

Discount Schedule: C2

Subclass: ASO

Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Locks, Latches, Inserts, & Handles Inserts

Illustration Sheet and Catalog Number

Type 4 & 12 Premier Enclosure Handle Inserts

Wall-Mount Handles

Padlocking, key-locking or non-locking handles are interchangeable with standard slotted quarter-turn flush latch on Premier series enclosures. Available keyed alike or keyed different, please specify when ordering.

Discount Schedule: C2

Subclass: TD0

Catalog Number	Description
WMHNL	Wall-mount handle, non-locking
WMHK-01	Wall-mount handle, key-locking - keyed 01
WMHK-02	Wall-mount handle, key-locking - keyed 02
WMHK-03	Wall-mount handle, key-locking - keyed 03
WMHK-04	Wall-mount handle, key-locking - keyed 04
WMHPTO	Wall-mount handle, padlockable



WMHNL
non-locking



WMHK-01 thru WMHK-04
key-lockable



WMHPTO
padlockable



Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Accessories

Locks, Latches, Inserts, & Handles Handles

Illustration Sheet and Catalog Number

Type 12 NEMA Single-Door Enclosure Padlock Handle Kit

NEMA 12 Padlock Handle	
Catalog Number	Description
25345 A	NEMA 12 padlock handle



NEMA 12 Padlock Handle Kits	
Catalog Number	Description
25345 A**	NEMA 12 padlock handle kit

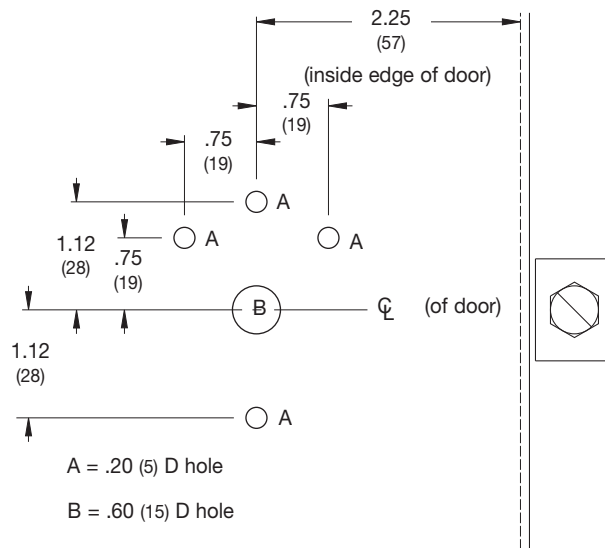
** Specify enclosure height after the catalog number, (20, 24, 30, 36, 42, 48, 60, 72). Example: 25345 A48 for 48 inch height.

NEMA 12 Padlock Handle Kits are intended for 3-pt field modification to most Type 12 Single Door Wall-Mount Enclosures with a standard height from 20 inches (508 mm) to 72 inches (1829 mm). The handle is heavy-duty and will rotate in both the counter-clockwise and clockwise directions. Below handle center is a padlock provision with holes large enough to accommodate up to a .43 inch (11 mm) shaft. Kits include a handle, cam, rods, spacer, rollers, adjustable rod guides and all the hardware necessary for assembly. Adjustable rod guides have multiple settings for desired gasket compression. Detailed instructions are also furnished which include a door hole pattern for field mounting the handle assembly (see detail 2 on this page). The handle is steel with a bright plated finish.



25345A36 shown

Discount Schedule: C2
Subclass: DSO

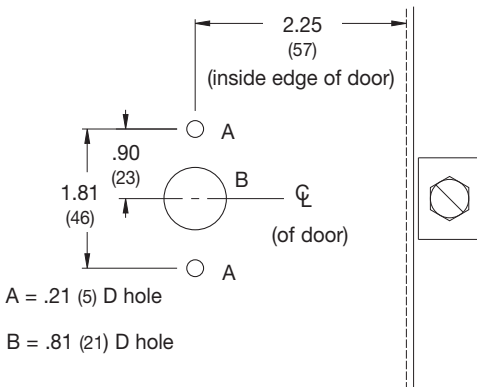


Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Locks, Latches, Inserts, & Handles Handles

Illustration Sheet and Catalog Number

Type 12 Door Handle Kits



Hole Pattern Detail



Kit includes these parts and one of the handles shown above

Type 12 Door Handle	
Catalog Number	Description
25228 A	Type 12 handle CCW lock
25228 B	Type 12 handle CCW latch
25228 C	Type 12 handle CW lock
25228 D	Type 12 handle CW latch

Type 12 Door Handles can be used as a replacement lock or latch for Type 12 Consoles. These enclosures use a clockwise (CW) handle rotation, counter-clockwise (CCW) lock and latch are available. Handles are steel with a bright plated finish.

Type 12 Door Handle Kits	
Catalog Number	Description
25228 A**	Type 12 handle kit CCW lock
25228 B**	Type 12 handle kit CCW latch
25228 C**	Type 12 handle kit CW lock
25228 D**	Type 12 handle kit CW latch

** Specify enclosure height after the catalog number, (20, 24, 30, 36, 42, 48, 60, 72). (Example: 25228 A60 for 60 inch height)

Type 12 Door Handle Kits are intended for 3-pt field modifications to most Type 12 Wall-Mount Single-Door Enclosures with a height from 20 inches (508 mm) to 72 inches (1829 mm). Locks and latches are available in either counter-clockwise (CCW) or clockwise (CW) handle rotation. Kits include a handle, cam, rods, spacer, rollers, adjustable rod guides and all hardware necessary for assembly. The adjustable rod guides have multiple settings for desired gasket compression. Detailed instructions are also furnished which include a door hole pattern for field mounting the handle assembly (see detail on this page). Handles are steel with a bright plated finish.

Discount Schedule: C2

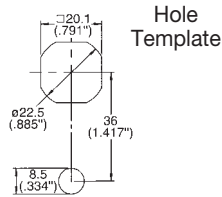
Subclass: DS0

Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Locks, Latches, Inserts, & Handles Handles

Illustration Sheet and Catalog Number

Type 12 Door Handle Kits



Kit includes these parts shown above

Type 4 Door Handle		
Catalog Number	Description	Defeater
00011184 A	Type 4 handle	Turn Tool

The Type 4 door handles can be used as replacement locks for Type 12 double-door wallmounts, disconnect enclosures, and the EnviroShield enclosures. Handles are a zinc die-cast construction with a textured powder coat finish to provide durability and corrosion resistance. An optional built-in spring loaded defeater provides a two handed operation requirement and a standard padlockable handle trigger provides secondary security. A removable lock plug allows for clockwise or counter clockwise operation. Handles are supplied with nut, screw, and gasketing materials.

Discount Schedule: C2
Subclass: OAO

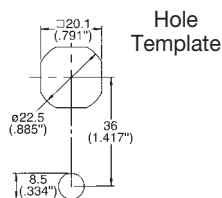
Type 4 Door Handle Kits		
Catalog Number	Description	Defeater
00011184 A**	Type 4 handle	Turn Tool

** Specify enclosure height after the catalog number, (20, 24, 30, 36, 42, 48, 60, 72). (Example: 00011184 A60 for 60 inch height)

Type 12 Door Handle Kits are intended for 3-point field modifications to most Type 12 and Type 4 Enclosures with a height from 20 inches (508 mm) to 72 inches (1829 mm). Kits include a handle, cam, rods, spacer, rollers, adjustable rod guides and all hardware necessary for assembly. The adjustable rod guides have multiple settings for desired gasket compression. Detailed instructions are also furnished which include a door hole pattern for field mounting the handle assembly (see detail on this page).

Discount Schedule: C2
Subclass: DSO

Type 4 Door Handle (cont. on page 423)



Type 4 Door Handle	
Catalog Number	Description
T4PKHB	Type 4 handle key-locking

The Type 4 door handles can be used as replacement locks for Type 12 free and floor standing enclosures, and Type 4 handle enclosures. Handles are a zinc die-cast construction with a textured powder coat finish to provide durability and corrosion resistance. A key-lock and padlockable handle trigger provides secondary security. A removable lock plug allows for clockwise or counter clockwise operation. Handles are supplied with nut, screw, a key, and gasketing materials.

Discount Schedule: C2
Subclass: DSO

Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Locks, Latches, Inserts, & Handles Handles

Illustration Sheet and Catalog Number

Type 4 Door Handle Kits (cont. from page 422)



Kit includes these parts shown above

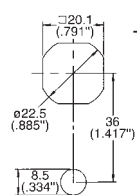
New Type 4 Door Handle Kits	
Catalog Number	Description
T4PKHB**	Type 4 handle key-locking

** Specify enclosure height after the catalog number, (20, 24, 30, 36, 42, 48, 60, 72). (Example: T4PKHB60 for 60 inch height)

Type 4 Door Handle Kits are intended for 3-point field modifications to most Type 12 and Type 4 Enclosures with a height from 20 inches (508 mm) to 72 inches (1829 mm). Kits include a handle, cam, rods, spacer, rollers, adjustable rod guides and all hardware necessary for assembly. The adjustable rod guides have multiple settings for desired gasket compression. Detailed instructions are also furnished which include a door hole pattern for field mounting the handle assembly (see detail on page 422).

Discount Schedule: C2
Subclass: DSO

Type 4X Door Handle & Door Handle Kits



Hole Template

Type 4X Door Handle	
Catalog Number	Description
T4PHSS	Type 4X handle

The Type 4X door handles can be used as replacement locks for Type 4X wall-mounts and Type 4X free and floor standing enclosures. Handles are a die-cast stainless steel construction to provide durability and corrosion resistance. A standard padlockable handle trigger provides secondary security. A removable lock plug allows for clockwise (CW) or counter-clockwise (CCW) operation. Handles are supplied with nut, screw, and gasketing materials.

Discount Schedule: C2
Subclass: DSO



Kit includes these parts shown above

Type 4X Door Handle Kits	
Catalog Number	Description
T4XPHSS**	Type 4X handle lock

** Specify enclosure height after the catalog number, (20, 24, 30, 36, 42, 48, 60, 72). (Example: T4XPHSS60 for 60 inch height)

Type 4X Door Handle Kits are intended for 3-point field modifications to most Type 4X enclosures with a height from 20 inches (508 mm) to 72 inches (1829 mm). Kits include a handle, cam, rods, spacer, rollers, adjustable rod guides and all hardware necessary for assembly. The adjustable rod guides have multiple settings for desired gasket compression. Detailed instructions are also furnished which include a door hole pattern for field mounting the handle assembly (see detail on this page).

Discount Schedule: C2
Subclass: DSO

Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Clamp & Padlock Kits Clamps

Illustration Sheet and Catalog Number

Discount Schedule: C2
Subclass: DSO

Type 12 JIC Cover Clamp Kit



JIC 12 Cover Clamp Kit		
Catalog Number	Description	Quantity
J12CK2	Cover clamp kit	1 Kit

This kit is intended as replacement clamp parts on all JIC Type 12 hinge cover and clamp cover devices. Clamps will also fit NEMA 12 Feed-Through Wireway and NEMA 12 Wiring Trough. Each kit contains two each - plated steel cover clamps and plated screws.
1/4" hardware.

Type 4X/4 JIC Cover Clamp Kit



JIC 4 & 4X Cover Clamp Kit		
Catalog Number	Description	Quantity
J4XCK2	Cover clamp kit	1 Kit

This kit is intended as replacement clamp parts on all JIC Type 4X and JIC Type 4 Wall-Mount and Floor-Standing Enclosures. Each kit contains two each - stainless steel cover clamps stainless steel screws.
1/4" hardware.

Type 4X/4/12 JIC Fast-Access Clamp Kit



JIC Fast-Access Clamp Kit		
Catalog Number	Description	Quantity
L23	Fast-clamp, steel	1
L23SS	Fast-clamp, stainless	1

This kit is intended to be used in place of standard JIC cover clamps to provide quick access into an enclosure. Clamps will fit JIC Type 4X, 4 and 12 hinge and clamp cover enclosures. They will also replace the clamps used on NEMA 12 and 4X Feed-Through Wireway and NEMA 12 and 4X Wiring Trough. These clamps will **not** fit the JIC screw or quick-release cover designs. Each kit includes washers for fitting between the enclosure bracket and the fast-access clamp to control gasket compression. Kits are available in plated steel (Type 12 Enclosures) and stainless steel (Type 4X & 4 Enclosures). UL Listed.

Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Clamp & Padlock Kits Clamps

Illustration Sheet and Catalog Number

Discount Schedule: C2

Subclass: DSO

Type 12 NEMA Cover Clamp Kit



Type 12 Door Clamp Kit		
Catalog Number	Description	Quantity
N12CK2	Door clamp kit	1 Kit

This kit is intended as replacement clamp parts on Type 12 Single Door Wall-Mount Enclosures. Each kit contains two each - door clamps, screws, springs and washers. The clamps, screws and washers are plated steel, the springs are stainless steel. 1/4" hardware.

Type 4X/4 NEMA Cover Clamp Kit



Type 4 & 4X Door Clamp Kit		
Catalog Number	Description	Quantity
N4XCK2	Door clamp kit	1 Kit

This kit is intended as replacement clamp parts on Type 4X and Type 4 Wall-Mount and Floor Standing Enclosures. Each kit contains two each - door clamps, screws, springs and washers. All clamp parts and hardware are stainless steel. 1/4" hardware.

Type 4X/4/12 NEMA Fast-Access Clamp Kit



NEMA Fast-Access Clamp Kit		
Catalog Number	Description	Quantity
FC412SS	Fast-clamp, stainless steel	1 Kit

This kit is intended to be used in place of standard NEMA door clamps to provide quick access into an enclosure. Clamps will fit Type 4X, 4 and 12 Single Door Wall-Mount Enclosures. They will also replace the clamps used on Type 4X and Type 4 Floor Standing Enclosures. Each kit contains two each - door clamps, fast access screw fasteners, springs and washers. Gasket compression is controlled by turning the handle in or out of the bracket. UL Listed.

Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Accessories

Clamp & Padlock Kits

Padlock Kit

Illustration Sheet and Catalog Number

JIC Padlock Kit



JIC Padlock Kit	
Catalog Number	Description
PLKJIC	Padlock Kit
PLKJICSS6	Padlock Kit Type 316 Stainless Steel

The JIC Padlock Kit is designed to field install on all JIC type and Larger Type 12 CHSC Enclosures. Mounting hardware and instruction are provided.

Discount Schedule: C2

Subclass: DS0 & D10



Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Bolt-On Accessories Illustration Sheet and Catalog Number

Discount Schedule: C2
Subclass: DSO

Folding Shelf Kit



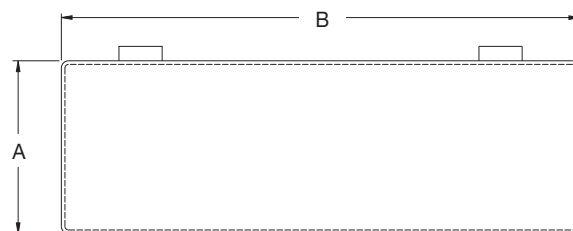
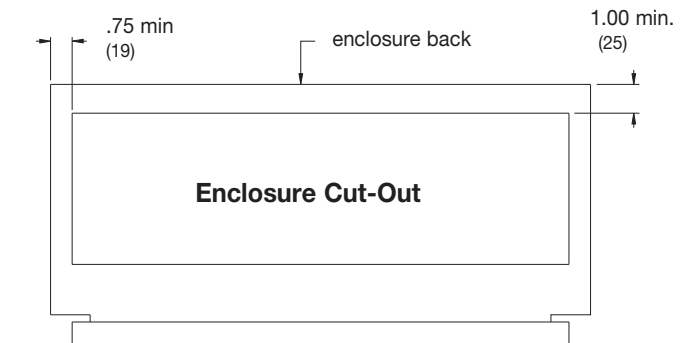
Folding Shelf Kit	
Catalog Number	Description
FSHELF12	12 x 12 Flat mounting surface
FSHELF18	18 x 18 Flat mounting surface

The folding shelf is intended to mount inside or outside of enclosure to support components, sensitive instruments and other equipment which may be integral to the enclosure. When properly installed the shelf will fold open into a locked position perpendicular to the mounting surface. When not in use, the shelf folds down into a locked position. The Folding Shelf is constructed from heavy gauge steel and has a white polyester powder paint finish.

Gland Plates



Catalog Number	Gland Plate Detail				Enclosure Cut-Out	
	A		B		in.	mm
	in.	mm	in.	mm		
GP610	6.00	152	10.00	254	5.00x9.00	127x229
GP618	6.00	152	18.00	457	5.00x17.00	127x432



Intended for use with Type 12 Enclosures and is an excellent means of providing a removable access plate to an enclosure and still maintain its listing. The Gland Plate is constructed from (16) gauge steel and has ANSI 61 gray polyester powder finish. Fastening is done from the inside of the enclosure to prevent tampering. Hardware and instructions are included with the kit. UL Listed.

Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Accessories

Bolt-On Accessories

Illustration Sheet and Catalog Number

Discount Schedule: C2

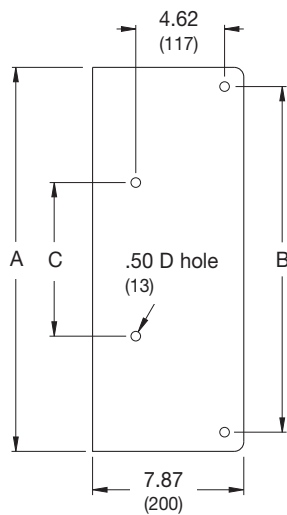
Subclass: DS0

Floor Stand Kit

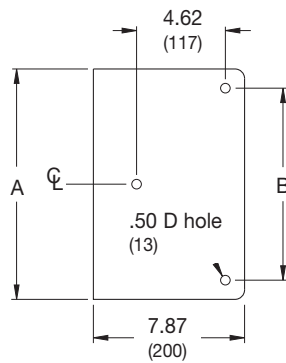


Steel

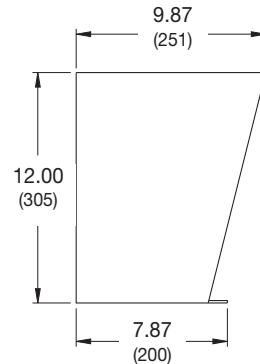
Stainless



Base 20 - 24 Deep



Base 8 - 16 Deep



Floor Stand Kit

Floor Stand Kits							
Catalog Number		A		B		C	
Steel	Stainless	in.	mm	in.	mm	in.	mm
MFK8	MFK8XS	8.0	203	6.06	154	-	-
MFK10	MFK10XS	10.0	254	8.06	205	-	-
MFK12	MFK12XS	12.0	305	10.06	256	-	-
MFK16	MFK16XS	16.0	406	14.06	357	-	-
MFK20	MFK20XS	20.0	508	18.06	459	8.00	203
MFK24	MFK24XS	24.0	610	22.06	560	10.00	254

Floor Stand Kits are intended for use with Type 4X, Type 4 and Type 12 Wall-Mount Enclosures where floor support is required. They are easily installed on most enclosures where the width is 20 inches (508 mm) or more. The enclosure mounting feet need not be removed in order to install Floor Stand Kits. Each kit consists of two (2) gauge legs and hardware for mounting. At the base of each leg is a prepunched plate (see drawing). Steel kits have a gray polyester powder paint finish. Stainless steel kits are fabricated from 304 alloy. Standard Floor Stand Kits are 12 inches (305 mm) high. For special heights or non-standard construction consult the factory.

Accessories

Enclosure Stabilizer



Enclosure Stabilizer	
Catalog Number	Quantity
ES2	2

Enclosure Stabilizers are heavy gauge with a wide base for use with NEMA Floor Stand Kits which add stability to large enclosures or top heavy enclosures. Two thumb screws thread into the offset piece and secure the stabilizer to the base of the leg. Two stabilizers are furnished. They are finished with a bright caution orange enamel paint.

Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Bolt-On Accessories Illustration Sheet and Catalog Number

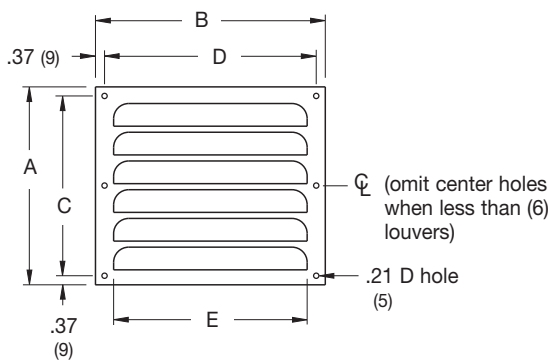
Louver Plate Kits



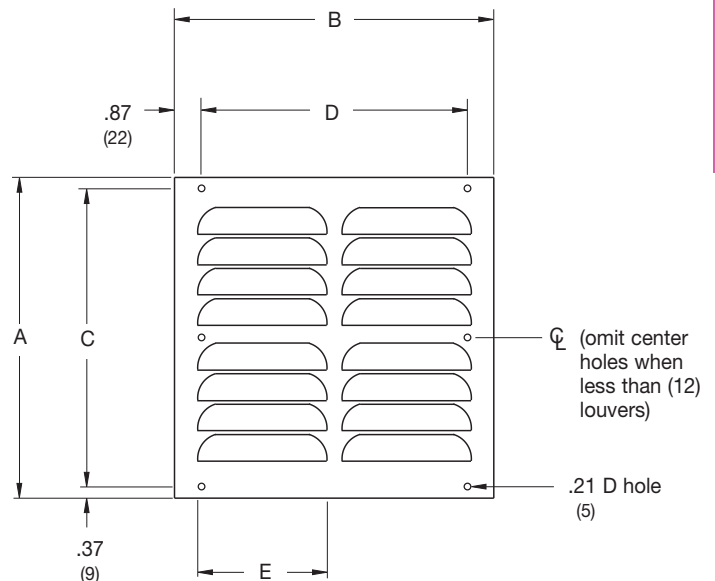
Excellent for providing ventilation in enclosures where external conditions or internal components may cause excessive amount of heat or moisture. Designed to be used with Cooper B-Line Systems Filter Kits using the same cut-out and mounting hole configurations. Louver Plate Kits include all of the necessary hardware and instructions for field installation. Plates are constructed from (16) gauge steel and have an ANSI 61 gray polyester powder finish.

Discount Schedule: C2
Subclass: DS0

Louver Plate Kit Catalog Number	Louver Plate Size								Louver Plate Detail				Enclosure Cut-Out				Area Opening (sq.in.)		
	A		B		C		D		E		Depth		Quantity		Height			Width	
	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm			in.	mm		in.	mm
LPK23	3.25	83	3.25	83	2.50	64	2.50	64	2.00	51	.25	6	3	2.12	54	2.12	54	1.10	
LPK33	3.87	98	4.50	114	3.12	79	3.75	95	3.00	76	.25	6	3	2.50	64	3.12	79	1.68	
LPK34	4.75	121	4.50	114	4.00	102	3.75	95	3.00	76	.25	6	4	3.37	86	3.12	79	2.20	
LPK43	4.50	114	5.50	140	3.75	95	4.75	121	4.25	121	.25	6	3	3.00	76	4.12	105	2.30	
LPK44	5.62	143	5.50	140	4.87	124	4.75	121	4.25	121	.25	6	4	4.00	102	4.12	105	3.10	
LPK64	5.62	143	7.50	191	4.87	124	6.75	171	5.50	140	.25	6	4	4.25	121	6.12	155	4.10	
LPK66	7.87	200	7.50	191	7.12	181	6.75	171	5.50	140	.25	6	6	6.50	165	6.12	155	6.10	
LPK84	5.81	148	10.50	267	5.06	129	8.75	222	4.25	108	.25	6	8	4.25	121	8.12	206	6.30	
LPK86	8.19	208	10.50	267	7.44	189	8.75	222	4.25	108	.25	6	12	6.50	165	8.12	206	9.50	
LPK88	10.56	268	10.50	267	9.81	249	8.75	222	4.25	108	.25	6	16	8.75	222	8.12	206	12.70	
LPK812	15.31	389	10.50	267	14.56	370	8.75	222	4.25	108	.25	6	24	13.25	337	8.12	206	19.00	



LPK23 to LPK66
Typical



LPK84 to LPK812
Typical

Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Accessories

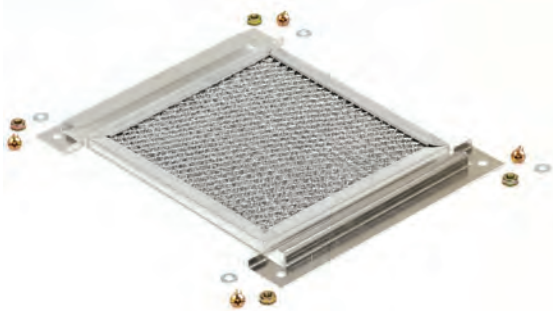
Bolt-On Accessories

Illustration Sheet and Catalog Number

Discount Schedule: C2

Subclass: DSO

Filters & Filter Adhesive



Designed for use with Louver Plate Kits. The Filter mounts securely inside of the enclosure using the brackets and hardware furnished with the kit. The Filter is comprised of finely woven aluminum strips which offers protection against airborne dust and dirt. Periodic washing with warm water is needed to keep the Filter clean. For best results, coating with Cooper B-Line Systems Air Filter Adhesive is recommended.

Filters	
Filter Catalog Number	Used with Louver Plate Catalog Number
FLT33	LPK33
FLT34	LPK34
FLT43	LPK43
FLT44	LPK44
FLT64	LPK64
FLT66	LPK66
FLT84	LPK84
FLT86	LPK86
FLT88	LPK88
FLT812	LPK812

Filter Adhesive



Filter Adhesive	
Catalog Number	Description
FAS-412	14 oz. Aerosol Spray

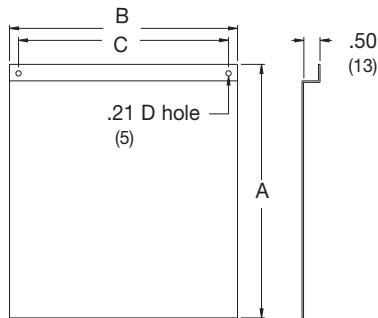
Use the filter adhesive to help increase efficiency of air filters. The adhesive spray helps trap small particles that normally pass through the filter and helps protect the elements within.

Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Bolt-On Accessories Illustration Sheet and Catalog Number

Discount Schedule: C2
Subclass: DSO

Baffle Plates



Baffle Plate Catalog Number	A		B		C		Used with Louver Plate Catalog Number
	in.	mm	in.	mm	in.	mm	
BP23	3.25	83	3.25	83	2.50	64	LKP23
BP33	3.87	98	4.50	114	3.75	95	LPK33
BP34	4.75	121	4.50	114	3.75	95	LPK34
BP43	4.50	114	5.50	140	4.75	121	LPK43
BP44	5.62	143	5.50	140	4.75	121	LPK44
BP64	5.12	130	7.50	191	6.75	171	LPK64
BP66	7.37	187	7.50	191	6.75	171	LPK66
BP84	5.31	135	9.50	241	8.75	222	LPK84
BP86	7.68	195	9.50	241	8.75	222	LPK86
BP88	10.06	256	9.50	241	8.75	222	LPK88
BP812	14.81	376	9.50	241	8.75	222	LPK812

Baffle Plates are intended to be used with Louver Plates when it is necessary to prevent direct access into the enclosure through the louver opening. The plate is designed to mount to the inside of the enclosure using the same cut-out and mounting holes required to mount the Louver Plate Kit. Plates are (16) gauge steel and have an ANSI 61 gray polyester powder finish. UL Listed.

Hole Seals



Painted Steel - U.L. listed as Type 3R, 12, 13, & 4



Stainless Steel - U.L. listed as Type 4X

Oil-Tight Hole Seals							
Catalog Number		Application	Max. Hole Diameter		Hole Seal Diameter		
Steel	Stainless		in.	mm	in.	mm	
SPBG	SPBGSS	Miniature oil-tight pushbutton holes	0.88	22	1.22	31	
SPB	SPBSS	Standard oil-tight pushbutton holes	1.25	32	1.75	44	
S050	S050SS	1/2-inch conduit holes	.88	22	1.38	35	
S075	S075SS	3/4-inch conduit holes	1.06	27	1.56	40	
S100	S100SS	1-inch conduit holes	1.38	35	1.88	48	
S125	S125SS	1 1/4-inch conduit holes	1.69	43	2.19	56	
S150	S150SS	1 1/2-inch conduit holes	2.00	51	2.50	64	
S200	S200SS	2-inch conduit holes	2.50	64	3.00	76	
S250	S250SS	2 1/2-inch conduit holes	3.00	76	3.50	89	
S300	S300SS	3-inch conduit holes	3.62	92	4.12	105	
S350	S350SS	3 1/2-inch conduit hole	4.12	105	4.62	117	
S400	S400SS	4-inch conduit holes	4.62	117	5.12	130	

Protects knockout openings and extra pushbutton or conduit openings from dirt, oil, dust and water. Each hole seal has oil-resistant gasketing and plated stud and wing nut. Available in steel finished with ANSI 61 polyester powder or unpainted stainless steel.

Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Accessories

Bolt-On Accessories

Illustration Sheet and Catalog Number

Discount Schedule: C2

Subclass: DSO

Drip Shields



NEMA 12 Drip Shield Kits

Catalog Number	Fits Enclosure
DK12A	12.00 inch wide
DK16A	16.00 inch wide
DK20A	20.00 inch wide
DK24A	24.00 inch wide
DK30A	30.00 inch wide
DK36A	36.00 inch wide

The NEMA 12 Drip Shield Kit is intended for use with Type 12 Single Door Wall-Mount Enclosures. It offers protection to the door and hardware from dripping water and falling dust. The drip shield is constructed from (14) gauge steel and has an ANSI 61 gray polyester powder finish. It attaches to the enclosure front, above the door. The kit includes a drip shield, stainless steel clamps, hardware and sealing compound. UL Listed



NEMA 4X Drip Shield Kits

Catalog Number	Fits Enclosure
DK12SS	12.00 inch wide
DK16SS	16.00 inch wide
DK20SS	20.00 inch wide
DK24SS	24.00 inch wide
DK30SS	30.00 inch wide
DK36SS	36.00 inch wide

The NEMA 4X Drip Shield Kit is intended for use with Type 4X and Type 4 Single Door Wall-Mount Enclosures. It offers protection to the door and hardware from dripping water and falling dust. The drip shield is constructed from (14) gauge steel and has a fine brushed finish. The shield attaches to the enclosure top front. The kit includes a drip shield, stainless steel hardware, and sealing compound. UL Listed.

Accessories

Casters



Casters for Series AW-9 and AW-14 Consoles

Catalog Number	Description	Mounting plate size (front to back)
4700-CC	Set of 4 casters, 2 mounting plates and hardware	16"
4700-CC2	Set of 4 casters, 2 mounting plates and hardware	19"

Each set contains 2 swivel casters and two stationary casters. Composition rubber wheel is self-lubricating and has a soft rubber tread with a hard rubber core. Each swivel wheel has a side brake. Each caster has a 200 pound load capacity.

Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Bolt-On Accessories

Illustration Sheet and Catalog Number

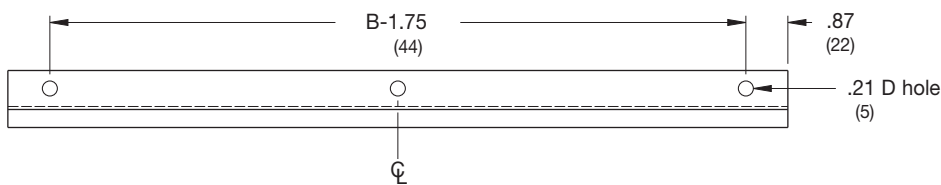
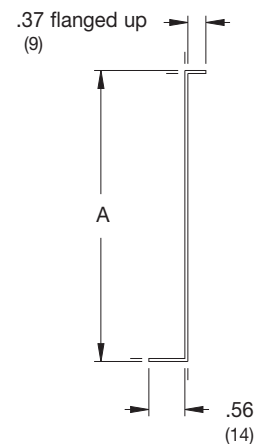
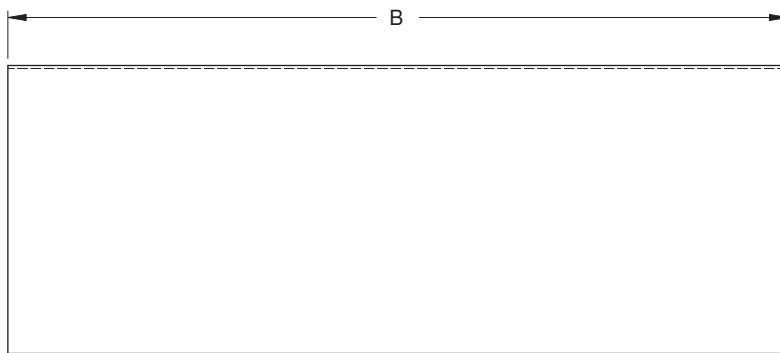
Barrier



Barrier/Shelf Kits are intended for use with Type 1 and Type 3R Telephone Termination Cabinets. Barrier/Shelf kits can also be used with other types of enclosure designs provided the enclosure dimensions are large enough to fit the Barrier/Shelf (see table). The flanged lip design creates a ridged barrier construction or a shelf for containing and storing spare fuses and other components. Each kit includes all the necessary hardware for field installation. The Barrier/Shelf is constructed from (16) gauge steel and has an ANSI 61 gray polyester powder finish.

Barrier/Shelf Kit Catalog Number	A		B		Fits Enclosure (and larger) Length x Depth	
	in.	mm	in.	mm	in.	mm
BK412	3.87	98	11.75	298	12.00x4.00	305x102
BK415	3.87	98	14.75	375	15.00x4.00	381x102
BK418	3.87	98	17.75	450	18.00x4.00	457x102
BK424	3.87	98	23.75	603	24.00x4.00	610x102
BK430	3.87	98	29.75	756	30.00x4.00	762x102
BK436	3.87	98	35.75	908	36.00x4.00	914x102
BK448	3.87	98	47.75	1213	48.00x4.00	1219x102
BK612	5.87	149	11.75	298	12.00x6.00	305x152
BK615	5.87	149	14.75	375	15.00x6.00	381x152
BK618	5.87	149	17.75	450	18.00x6.00	457x152
BK624	5.87	149	23.75	603	24.00x6.00	610x152
BK630	5.87	149	29.75	756	30.00x6.00	762x152
BK636	5.87	149	35.75	908	36.00x6.00	914x152
BK648	5.87	149	47.75	1213	48.00x6.00	1219x152

Discount Schedule: C2
Subclass: AQQ



(omit center hole where "B" is less than 23.75)

Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Bolt-On Accessories

Illustration Sheet and Catalog Number

Component Mounting Device



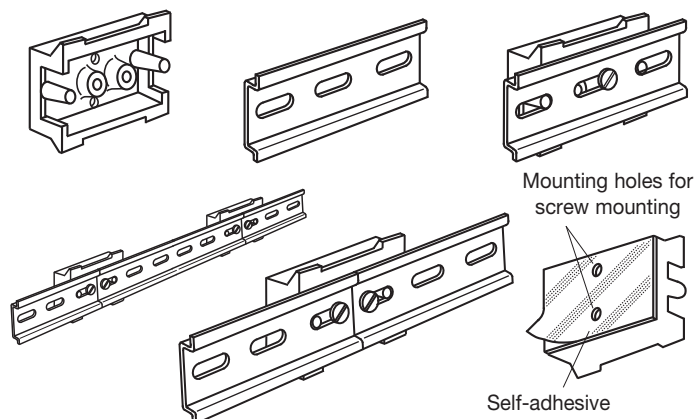
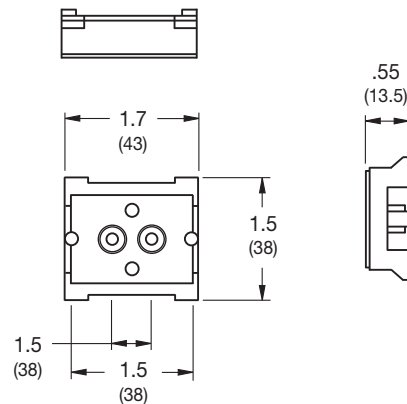
Component Mounting Device	
Catalog Number	Description
ECMD1	Small mounting aid

The Component Mounting Device is a small mounting aid especially designed to make mounting of small 35 mm DIN rail mountable components easier. It can be used whenever the installation of a 35 mm DIN rail is impractical, or when there is not enough space left in an enclosure. Because of its industrial grade self-adhesive it can be installed much easier and quicker than a conventional DIN rail, without hole drilling and screw mounting. B-Line's component mounting device can hold components up to 1.1 lbs in weight. The initial adhesive power is 40%. After 24 hours, it has its full holding power of 1.1 lbs. ECMD1 can also be screw mounted if a more secure mounting is desired or if the surface is rough. All that is necessary to install B-Line's ECMD1 is a smooth and clean surface. Sold in packages of five (5).

Discount Schedule: C2

Subclass: TH0

Technical Data	
Application:	Direct attachment of small components and 35 mm DIN rails, EN 50022
Capacity:	0.44 lb. (200 g) initially 1.1 lb (500 g) after 24 hour waiting period
Mounting Surface:	All smooth surfaces, (e.g. metals, laquered surfaces, plastics other than polyethylene, polypropylene and rubber). Mounting surface must be dry and free from dust, oil, separating agents and other contamination.
Dimensions:	1.7x1.5x0.55" (43x38x14 mm)
Hole pattern:	0.5" distance, Δ 0.14" (12.8 mm; Δ 3.6 mm)
Material:	polyamide (rated UL 94V-0) with non-deteriorating high-performance adhesive
Temperature range:	-22° to +131°F (-30° to +55°C)
Included:	mounting screw for perforated 35 mm DIN rail, EN 50022



Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Electrical Accessories Terminal Block Kits Illustration Sheet and Catalog Number

JIC Terminal Strap Kit

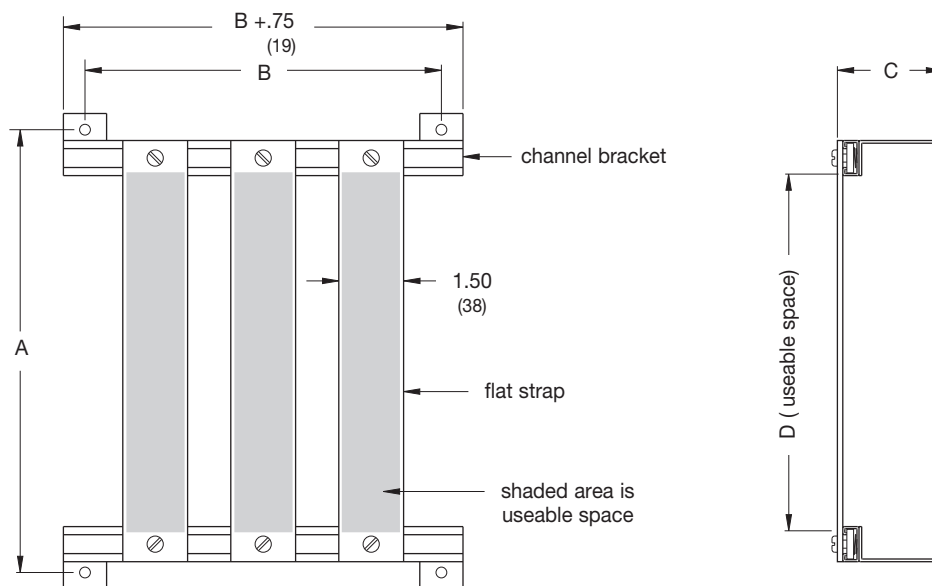


JIC Terminal Strap Kits fit all styles and types of JIC enclosures. The kits are furnished with flat straps for mounting Flat Based Terminal Blocks, (see Flat Based Terminal Blocks, page 361). There is adequate space on each terminal strap should the user wish to provide another style of block. Terminal straps are made from (10) gauge steel with an electrogalvanized finish. They are fastened to channel clamping nuts which allows them to adjust along the width of the channel bracket assembly. Extra Strap Kits can be ordered separately and come furnished with all hardware necessary for channel mounting.

Discount Schedule: C2
Subclass: DSO



Terminal Strap Kit Catalog Number	A		B		C		D		Quantity Of Straps	Fits Enclosure Height x Width		Extra Strap Kit Catalog Number
	in.	mm	in.	mm	in.	mm	in.	mm		in.	mm	
86TS	6.25	159	4.25	108	1.12	28	4.50	114	2	8.00x6.00	203x152	8TS
108TS	8.25	210	6.25	159	1.12	28	6.50	165	2	10.00x8.00	254x203	10TS
1210TS	10.25	260	8.25	210	2.43	62	8.50	216	3	12.00x10.00	305x254	12TS
1212TS	10.25	260	10.25	260	2.43	62	10.50	267	3	12.00x12.00	305x305	12TS
1412TS	12.25	311	10.25	260	2.43	62	10.50	267	3	14.00x12.00	356x305	14TS
1614TS	14.25	362	12.25	311	2.43	62	12.50	318	4	16.00x14.00	406x356	16TS



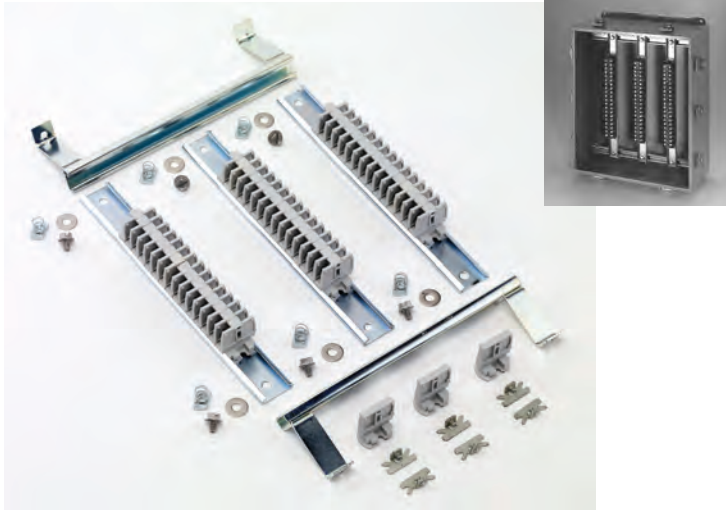
Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Accessories

Electrical Accessories Terminal Block Kits

Illustration Sheet and Catalog Number

JIC Terminal Block Strip Kit

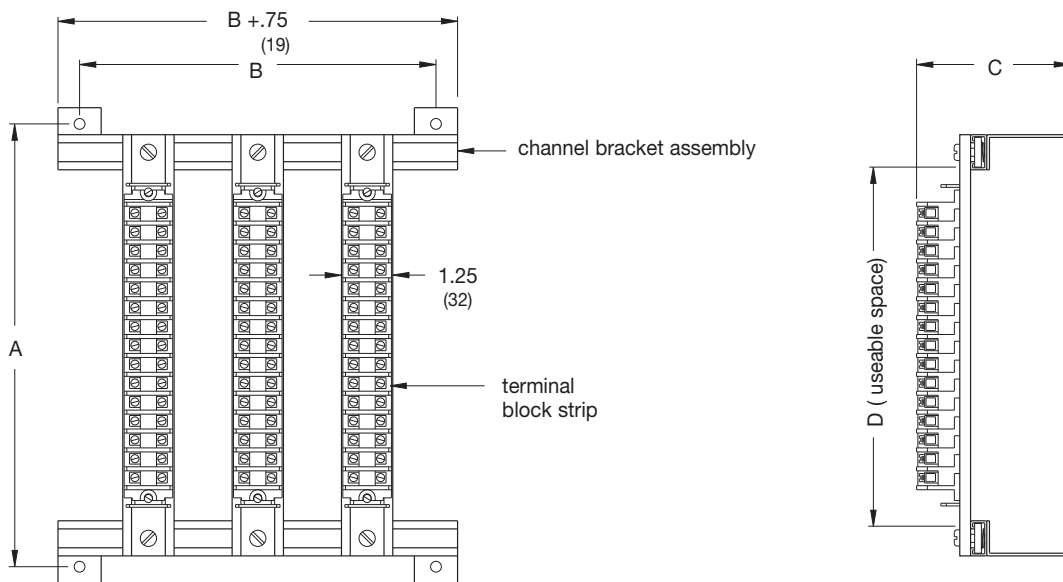


JIC Terminal Block Strip Kits fit all styles and types of JIC Enclosures. Kits are furnished with Terminal Strips and contain Medium-Duty Channel Mount Terminal Blocks, Terminal End and Clamps. Terminals have tubular screw type lugs which accept wire sizes from #18 through #8. Terminal Strips are fastened to channel nuts which allow them to adjust along the entire width of the channel bracket assembly. Extra Strip Kits can be ordered separately. They come furnished with all the hardware necessary for channel mounting but do not include the terminal blocks. Terminal blocks, ends, and clamps can be ordered separately as well, (see Channel Mount Terminal Blocks, page 437).

Discount Schedule: C2

Subclass: DSO

Terminal Block Strip Kit Catalog Number	A		B		C		D		Strap Quantity	Fits Enclosure Height x Width in. mm		Extra Strip Kit Catalog Number
	in.	mm	in.	mm	in.	mm	in.	mm		in.	mm	
86TB	6.25	159	4.25	108	2.15	55	4.50	114	2	8.00x6.00	203x152	8TB
108TB	8.25	210	6.25	159	2.15	55	6.50	165	2	10.00x8.00	254x203	10TB
1210TB	10.25	260	8.25	210	3.56	90	8.50	216	3	12.00x10.00	305x254	12TB
1412TB	12.25	311	10.25	260	3.56	90	10.50	267	3	14.00x12.00	356x305	14TB
1614TB	14.25	362	12.25	311	3.56	90	12.50	318	4	16.00x14.00	406x356	16TB

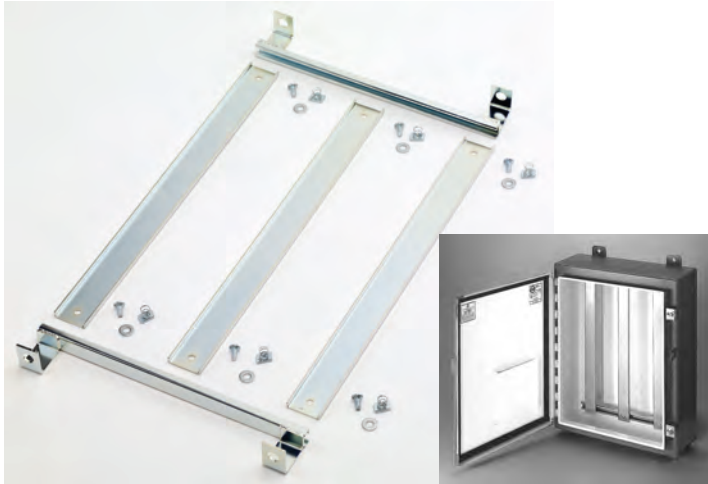


Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Electrical Accessories Terminal Block Kits

Illustration Sheet and Catalog Number

NEMA Terminal Strap Kits

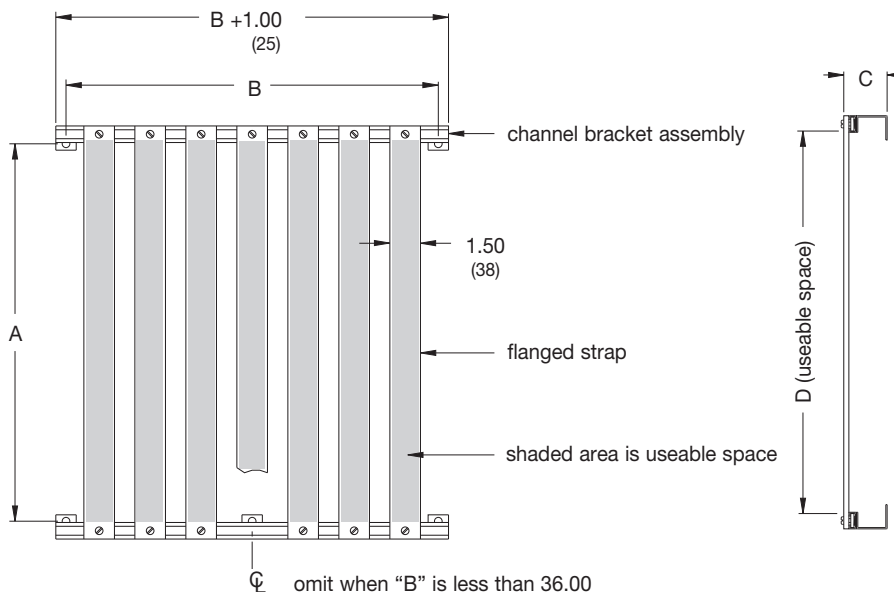


NEMA Terminal Strap Kits fit Type 4, Type 4X and Type 12 Enclosures. Kits are furnished with flanged straps for mounting Flat Base Terminal Blocks, (See Flat Base Terminal Blocks, page 361). There is adequate space on each terminal strap should the user wish to provide another style block. Terminal straps are (14) gauge steel with an electrogalvanized finish. They are fastened to channel nuts which allow them to adjust along the width of the channel bracket assembly. Three channel brackets are supplied with kits that fit enclosures that are 36 inches wide. Extra Strap Kits can be ordered separately and come furnished with all hardware necessary for channel mounting.

Discount Schedule: C2

Subclass: DSO

Terminal Strap Kit Catalog Number	A		B		C		D		Quantity of Straps	Fits Enclosure Height x Width		Extra Strap Kit Catalog Number
	in.	mm	in.	mm	in.	mm	in.	mm		in.	mm	
16TS12	11.25	286	7.25	184	2.18	55	11.75	298	2	16.00x12.00	406x305	16S
20TS16	15.25	387	11.25	286	2.18	55	15.75	400	3	20.00x16.00	508x406	20S
20TS20	15.25	387	15.25	387	2.18	55	15.75	400	4	20.00x20.00	508x508	20S
24TS20	19.25	489	15.25	387	2.18	55	19.75	502	4	24.00x20.00	610x508	24S
24TS24	19.25	489	19.25	489	2.18	55	19.75	502	5	24.00x24.00	610x610	24S
30TS20	25.25	641	15.25	387	2.18	55	25.75	654	4	30.00x20.00	762x508	30S
30TS24	25.25	641	19.25	489	2.18	55	25.75	654	5	30.00x24.00	762x610	30S
36TS24	31.25	794	19.25	489	2.18	55	31.75	806	5	36.00x24.00	914x610	36S
36TS30	31.25	794	25.25	641	2.18	55	31.75	806	6	36.00x30.00	914x762	36S
42TS30	37.25	946	25.25	641	2.18	55	37.75	959	6	42.00x30.00	1067x762	42S
48TS36	43.25	1099	31.25	794	2.18	55	43.75	1111	7	48.00x36.00	1219x914	48S
60TS36	55.25	1403	31.25	794	2.18	55	55.75	1416	7	60.00x36.00	1524x914	60S



Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Electrical Accessories Terminal Block Kits

Illustration Sheet and Catalog Number

Discount Schedule: C2

Subclass: DSO

Channel Mounted Terminal Blocks

Medium-Duty Channel Mount terminal blocks are rated at 600 VAC, 50 Amps. Terminal lugs are plated copper and have tubular screw contacts. Terminal wire range is from #22 through #8 AWG. Each terminal block top has a painted marking area intended for circuit designation. These blocks are designed to dovetail into channel and can be stacked in combination with both Medium-Duty and/or Heavy-Duty Channel Mount type terminals. One Channel Mount Terminal End and two Channel Clamps are required to terminate a stack of blocks (order separately).



CTB3005



CTE3001

Heavy-Duty Channel Mount terminal blocks are rated at 600 VAC, 90 Amps. Terminal lugs are plated copper and have tubular screw contacts. Terminal wire range is from #18 through #4 AWG. Each terminal block top has a painted marking area intended for circuit designation. These blocks are designed to dovetail into channel and can be stacked in combination with both Heavy-Duty and/or Medium-Duty Channel Mount type terminals. One Channel Mount Terminal End and two Channel Clamps are required to terminate a stack of blocks (order separately).



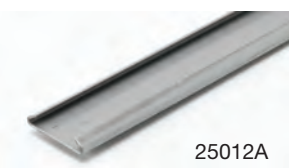
CT6005



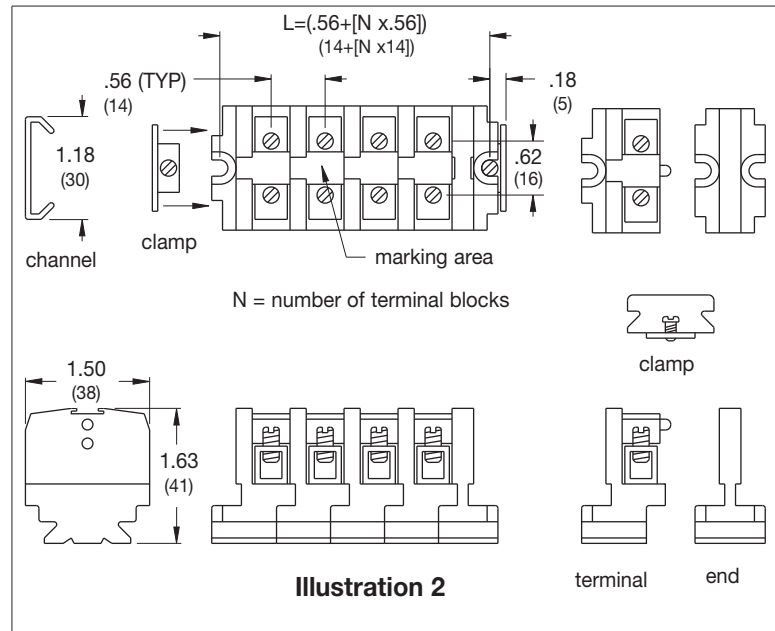
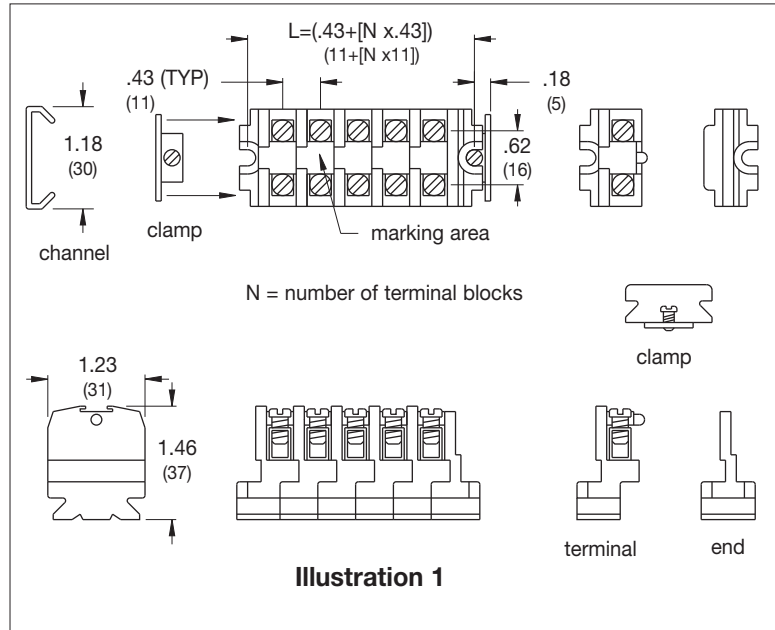
CE6001



CTC2



25012A



Catalog Number	Description	Illustration	Quantity
CTB3005	Medium-duty channel mount terminal	1	5
CTE3001	Medium-duty channel mount end	1	1
CT6005	Heavy-duty channel mount terminal	2	5
CE6001	Heavy-duty channel mount end	2	1
CTC2	Channel mount terminal clamp	1 & 2	2
25012A	Channel Strip (72 inch)	1 & 2	1

Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Electrical Accessories Terminal Block Kits Illustration Sheet and Catalog Number

Discount Schedule: C2
Subclass: DSO

Flat Base Terminal Blocks

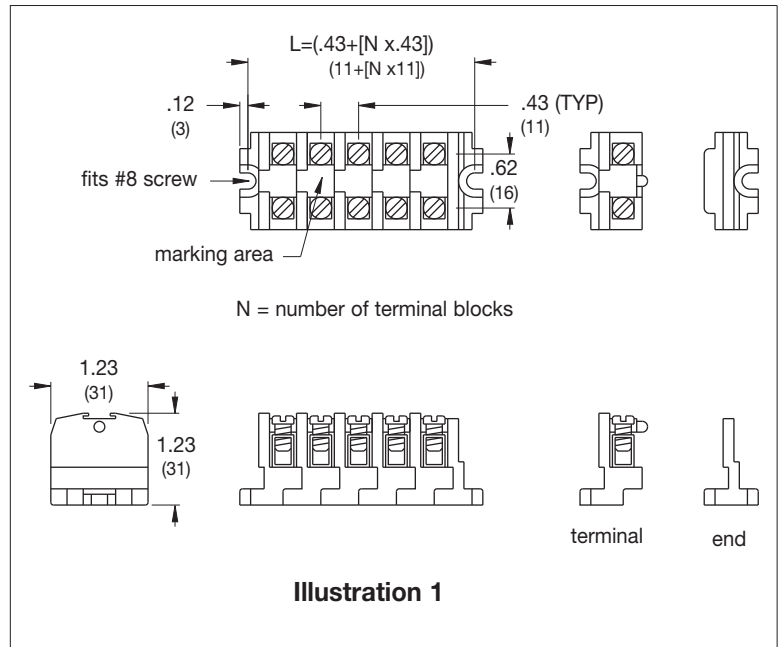
Medium-Duty Flat Base type terminal blocks are rated at 600 VAC, 50 Amps. Terminal lugs are plated copper and have tubular screw contacts. Terminal wire range is from #22 through #8 AWG. Each terminal block top has a painted marking area intended for circuit designation. These blocks are designed to stack in combination with both Medium-Duty and/or Heavy-Duty Channel Mount type terminals. One Flat Based Terminal End and hardware is required to terminate a stack of blocks (order separately).



FTB3005



FTE3001



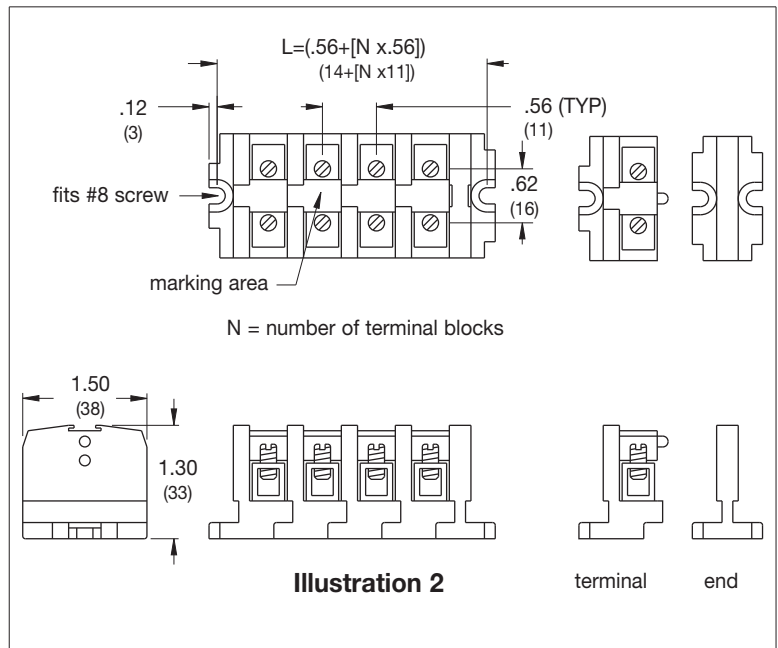
Heavy-Duty Flat Base terminal blocks are rated at 600 VAC, 90 Amps. Terminal lugs are plated copper and have tubular screw contacts. Terminal wire range is from #18 through #4 AWG. Each terminal block top has a painted marking area intended for circuit designation. These blocks are designed to stack in combination with both Heavy-Duty and/or Medium-Duty Flat Base type terminals. One Flat Base Terminal End and hardware is required to terminate a stack of blocks (order separately).



FT6005



FE6001



Catalog Number	Description	Illustration	Quantity
FTB3005	Medium-duty flat base terminal	1	5
FTE3001	Medium-duty flat end, (includes #8 screws)	1	1
FT6005	Heavy-duty flat base terminal	2	5
FE6001	Heavy-duty flat end, (includes #8 screws)	2	1

Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Accessories

Electrical Accessories

Terminal Block Kits

Illustration Sheet and Catalog Number

Terminal Strap Support



Terminal Strap Support Kit	
Catalog Number	Description
TSK	Two support brackets

This kit is intended for supporting the Terminal Straps and Strips off the back of panels or enclosure walls. The “Z” shaped brackets are made from (12) gauge steel and have a white enamel paint finish. Two brackets and hardware are furnished with each kit. Terminal Straps and Strips must be purchased separately.

Discount Schedule: C2

Subclass: DSO

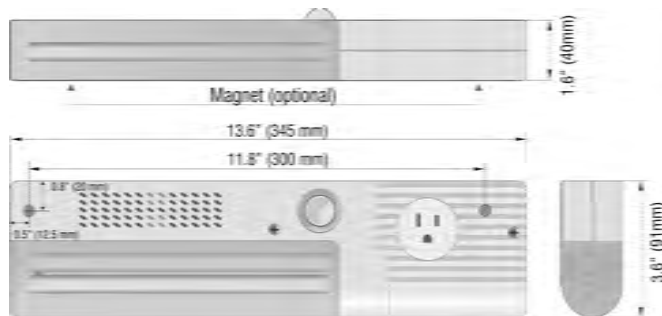
Electrical Accessories Enclosure Lights Illustration Sheet and Catalog Number

Discount Schedule: C2
Subclass: DSO



ELS25-120

ELMS25-120



Note: A passive infrared (PIR) motion sensor detects the motion of the enclosure door being opened and automatically turns on the light. The sensor is factory pre-set to turn the light off 5 minutes after all motion ceases. The motion sensor does not detect movement through glass or fiberglass, thus allowing installation in enclosure with glass doors.

Enclosure Lights

Catalog Number	Description
ELS25-120	Enclosure Light with on/off switch
ELMS25-120	Enclosure Light with motion sensor

The ELS25 light was designed to fit in tight spaces in enclosures. It features an optional integrated receptacle so that electrical devices (e.g. power tools) can be easily plugged in when needed. The standard light can be screw mounted in a variety of positions, or the light can be fitted with a magnet mount (sold separately - consult factory). The motion sensor version was designed to eliminate the need for a door switch.

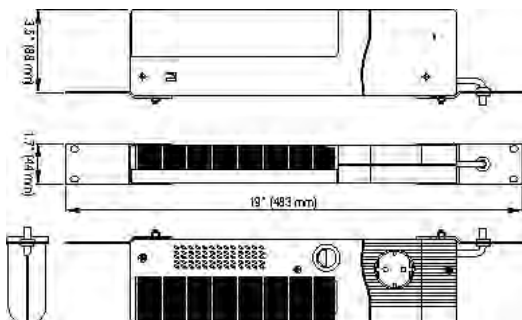
Technical Data

Operating voltage:	110-120V/50-60 Hz
Lamp type:	Compact fluorescent light bulb
Power consumption:	11 W (~75W incand.), Base: 2G7, electronic ballast
Light intensity:	900 Lm
Lamp life:	5,000 hours
Switch:	On/off switch (for light only)
Motion sensor:	PIR = Passive Infrared (see note)
Receptacle:	US/Canada, 120 VAC, 15A max.
Connection:	3 pole screw terminal for AWG 14 max. (2.5 mm ²) (includes cable strain relief)
Mounting:	M5 screws (not included), 11.8" (300mm) hole distance or optional attached magnet (contact factory)
Dimensions:	Length 13.6" (345m) x Width 3.6" (91mm) x Depth 1.6" (40mm)
Housing:	Plastic UL94V-0
Weight:	0.9 lbs. (0.4 kg) - 1.3 lbs. (0.6 kg) with magnet
Protection Type:	IP 20
Agency Approvals:	VDE, UL



The ELMSRM25 light is suitable for lighting in 19" racks, e.g. for keyboards. Because of the flat design of the light, only one rack unit (43.6mm) in height is needed. Additionally, it is fitted with a reflector which serves as a glare shield, thereby illuminating the area below the light only.

The light also features an integrated receptacle, allowing for the use of additional electrical devices. such as power tools.



Enclosure Lights

Catalog Number	ELMSRM25-120
----------------	--------------

Technical Data

Operating voltage:	110-120V/50-60 Hz
Lamp type:	Compact fluorescent light bulb
Power consumption:	11 W (~75W incand.), Base: 2G7, electronic ballast
Light intensity:	900 Lm
Lamp life:	5,000 hours
Switch:	On/off switch (for light only)
Receptacle:	US/Canada, 120 VAC, 15A max.
Connection:	3 pole screw terminal for AWG 14 max. (2.5 mm ²) (includes cable strain relief only - no cable provided)
Mounting:	Screws mounting (max. 1/4")
Mounting bracket:	Aluminum, with cable bushing
Dimensions:	Lamp 13.6" (345mm) x Width 3.6" (91mm) x Depth 1.6" (40mm) total length 19" (482mm)
Housing:	Plastic UL94V-0
Weight:	1.1 lbs. (0.5 kg)
Operating Temp:	-4°F to +122°F (-20°C to +50°C)
Storage Temp:	-49°F to +158°F (-45°C to +70°C)
Protection Type:	IP 20
Protection class:	I (grounded) with receptacle, II (double insulated) w/out receptacle
Agency Approvals:	VDE, UL

Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Electrical Accessories Interlocks

Illustration Sheet and Catalog Number

Discount Schedule: C2
Subclass: DSO



Electrical Interlocks		
Catalog Number	Description	Volts/Hz
BAEK115NDH	Electrical Interlock	120/60

The BAEK115NDH is designed to be used with standard Cooper B-Line enclosures that have no handles. This interlock requires drilling several holes in the cover and the body for mounting.



Electrical Interlocks		
Catalog Number	Description	Volts/Hz
BAEK115	Electrical Interlock	120/60

The BAEK115 is designed to be used with standard Cooper B-Line door latching mechanisms. When turned on, this interlock will prevent the door handle from being turned to open the door. This interlock is designed to fit handles in the following enclosures:

- (A) All two door NEMA 12 enclosures
- (B) Free standing NEMA 12 enclosures
- (C) All consoles
- (D) All single door NEMA 12 enclosures which have 3 pt. handle mechanisms.
- (E) Two door NEMA 12 enclosures for flange-mounted disconnects
- (F) Modular NEMA 12 enclosures
- (G) Multi-door NEMA 12 enclosures



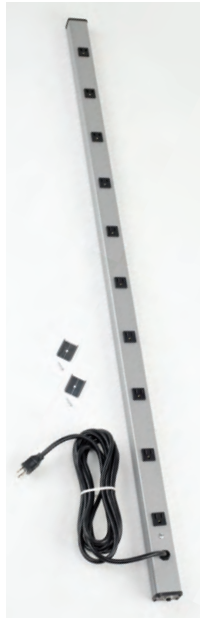
Electrical Interlock Defeater	
Catalog Number	Description
BAEKDF	Defeater

This defeater is key operated and enables personnel to enter an enclosure while the enclosures internal components are energized. Turning the key disengages the circuit to the electrical interlock.

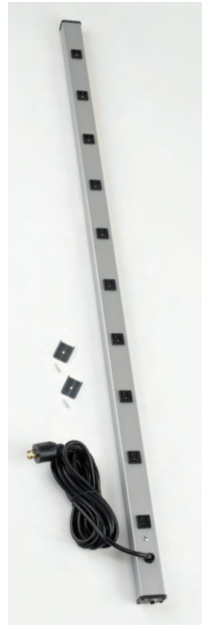
Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Electrical Accessories Power Strips Illustration Sheet and Catalog Number

Discount Schedule: C2
Subclass: DS0



S Series
Standard Plug



L Series
Twist Lock Plug

Power Strips			
Power Strip Type	Power Strip Number	Weight Each	
		Lbs	(kg)
2.5 ft, 6 Port	E2-PS-2.5F-6P-15A-S	3.0	(1.3)
3.5 ft, 6 Port	E2-PS-3.5F-6P-15A-S	4.0	(1.8)
5 ft, 10 Port	E2-PS-5F-10P-15A-S	4.0	(1.8)
6 ft, 12 Port	E2-PS-6F-12P-15A-S	4.0	(1.8)
2.5 ft, 6 Port	E2-PS-2.5F-6P-15A-L	3.0	(1.3)
3.5 ft, 6 Port	E2-PS-3.5F-6P-15A-L	4.0	(1.8)
5 ft, 10 Port	E2-PS-5F-10P-15A-L	4.0	(1.8)
6 ft, 12 Port	E2-PS-6F-12P-15A-L	4.0	(1.8)
2.5 ft, 6 Port	E2-PS-2.5F-6P-20A-L	5.0	(2.2)
3.5 ft, 6 Port	E2-PS-3.5F-6P-20A-L	7.0	(3.2)
5 ft, 10 Port	E2-PS-5F-10P-20A-L	6.0	(2.7)
6 ft, 12 Port	E2-PS-6F-12P-20A-L	7.0	(3.2)



Rack Mount Power Strips			
Power Strip Type	Power Strip Number	Weight Each	
		Lbs	(kg)
19" Rack Mount-Surged	E2-PS-RM-6P-15A-SS	2.0	(0.9)
19" Rack Mount-Non Surged	E2-PS-RM-6P-15A-NS	2.0	(0.9)

Rack mount power strips available in surge and non-surge design. Both with six (6) port configuration and 15 ft. (1.8m) cord.

Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Accessories

Electrical Accessories Receptacles

Illustration Sheet and Catalog Number



Discount Schedule: C2
Subclass: TH0

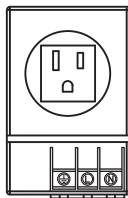
Receptacles for Enclosures	
Catalog Number	Description
ER1	USA/Canada
ER2	Germany
ER3	France/Benelux
ER4	Switzerland
ER5	Great Britain/Ireland

Provide a safe and convenient method for adding a receptacle/outlet inside electrical enclosures.

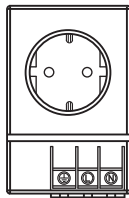
Technical Data	
Maximum ratings:	15 amps @125 VAC
Mounting:	Clip for 35 mm DIN rail, EN 50022
Connection:	3xAWG14 max. (2.5 mm)
Dimensions:	3.6x2.4x1.9" (92x62x48 mm)



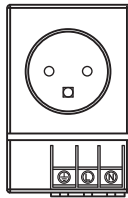
USA/Canada



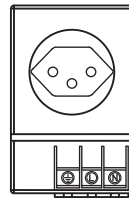
Germany



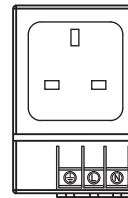
France



Switzerland



GB



CE

Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Disconnect Accessories Illustration Sheet and Catalog Number

Discount Schedule: C2
Subclass: DS0

Operator Adapter Kits



AP-CH shown

Operator Adapter Kits	
Catalog Number	Brand and Type of Operator
AP-ABFD	Allen-Bradley† 1494F and 1494D
AP-ABV	Allen-Bradley† 1494V
AP-CH	Cutler-Hammer† C361, C371/ABB Controls
AP-GE	General Electric† STDA
AP-ITE	I-T-E Max-Flex†
AP-SD	Square D† Class 9422, (variable depth only)
AP-WSM	Westinghouse† SM
AP-WAMT	Westinghouse† AMT (below handle) and Flex Shaft™

† Marks are the property of their respective owners.

Intended for use on all B-Line Systems disconnect enclosures with universal cutouts. Adapter kits are required to install a disconnect in Cooper B-Line enclosures with universal mounts. Each kit contains an adapter plate and all parts used to interlock the disconnect operating mechanism with the master door. Installation instructions are included in each kit.

Blank Adapter Plates



Blank Adapter Plates	
Catalog Number	Description
7.5 BAP	Wall-mounted Enclosures
10.5 BAP	Floor and Free-Standing Enclosures

Blank Adapter Plates are designed to cover the cut-outs in either the flange or center post on Disconnect Enclosures when the disconnect switch is not installed. Plates are constructed from (12) gauge steel. Each kit contains two plates, gasket, and hardware. The kit is designed to sandwich the gasket between the enclosure opening and exterior plate. The exterior plate has an ANSI 61 gray enamel paint finish, the interior plate has a white enamel paint finish.

Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Columns & Bases

Illustration Sheet and Catalog Number



AC-44ACOL
shown

AC-44COL
shown

Construction

- Columns are fabricated from (14) gauge steel and provide rigid support of mounted equipment
- Flanges are (10) gauge steel
- All continuous welded seams are finished smooth
- External and internal edges are rounded to prevent injury or damage to cables
- Column has a gasketed access plate
- Kit consisting of a box connector, gasket and hardware is furnished
- Top flange of angle column type is at a 60° angle to the floor
- Bases have hole pattern suitable for any size or type column
- Floor mounting holes and leveling screws provided with each base

Finish

- Wash and phosphate undercoat
- ANSI 61 gray polyester powder finish

Standards

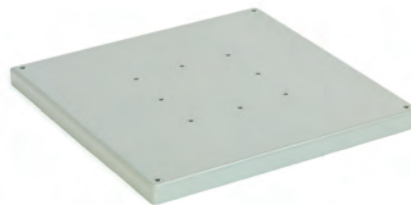
- Conforms to NEMA standard for Type 13 and Type 12

Application

- Enable floor mounting of various types of enclosures.
- Designed to support enclosures at a 60° angle to the floor

Discount Schedule: C2

Subclass: DRO



AC-1818BASE
shown

Columns					
Catalog Number	Type	Column Size A x B Width x Depth		Access Opening Height x Width	
		in.	mm	in.	mm
AC-44COL	Straight	4.00x4.00	102x102	6.00x2.75	152x70
AC-44ACOL	Angled	4.00x4.00	102x102	6.00x2.75	152x70
AC-66COL	Straight	6.00x6.00	152x152	6.75x4.75	171x121
AC-66ACOL	Angled	6.00x6.00	152x152	6.75x4.75	171x121
Bases					
Catalog Number	Base Size A x B Width x Depth		C in.	D mm	
	in.	mm			
AC-1818BASE	18.00x18.00	457x457	17.00x17.00	432x432	
AC-2424BASE	24.00x24.00	610x610	23.00x23.00	584x584	

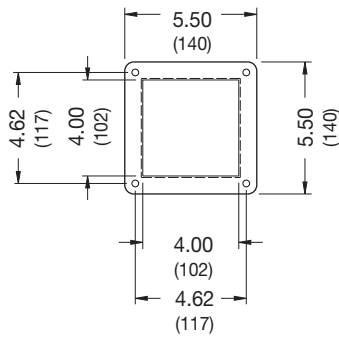
Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Columns & Bases

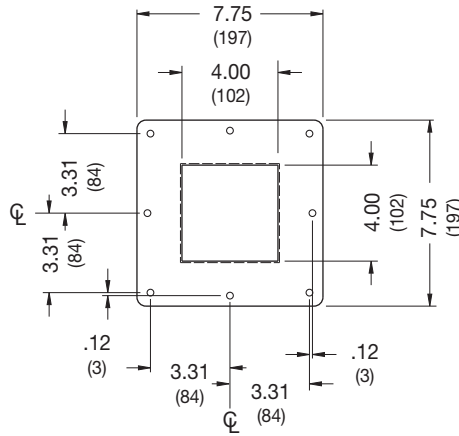
Illustration Sheet and Catalog Number

Flange Detail

4.00 x 4.00

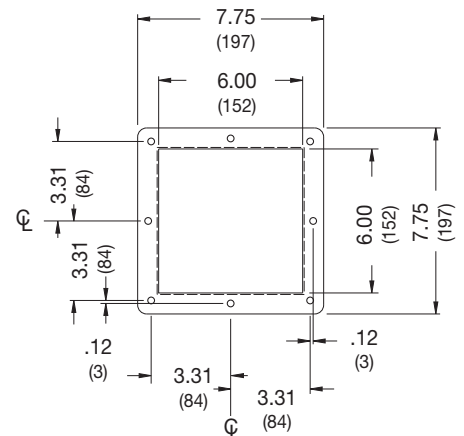


Top Flange

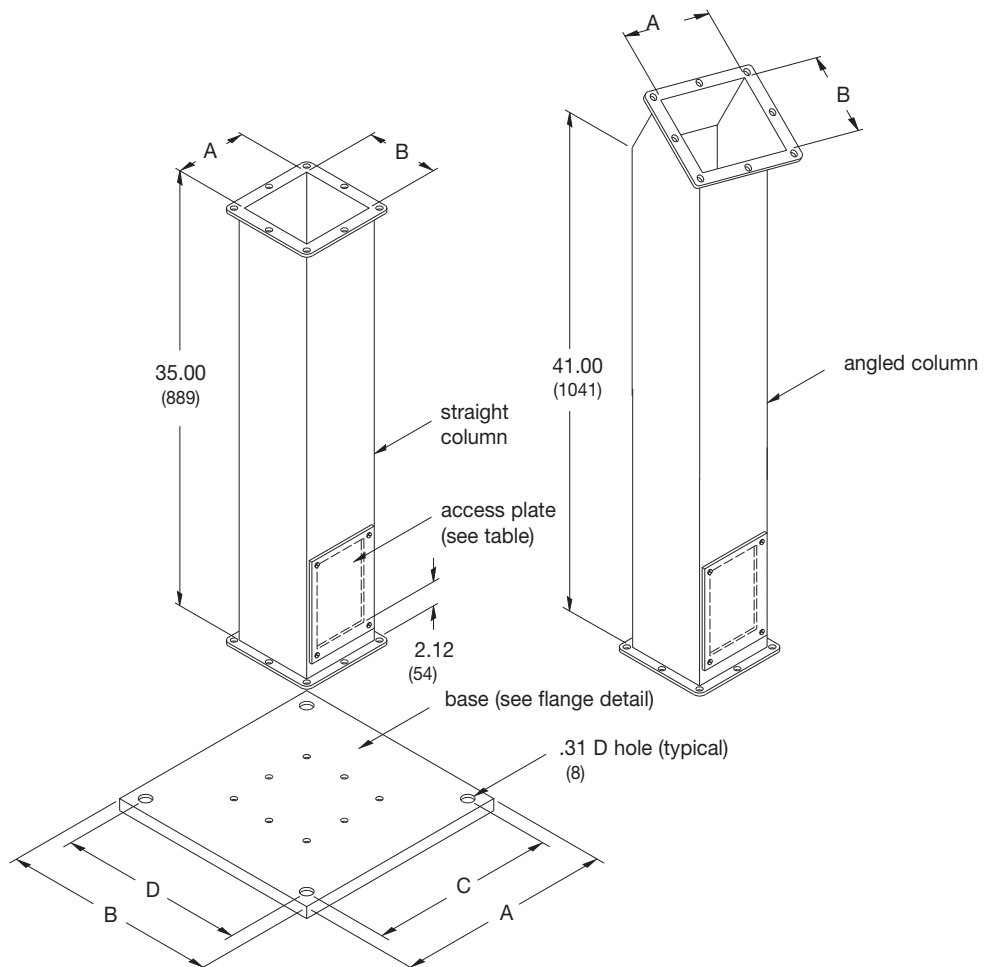


Bottom Flange

6.00 x 6.00



Top & Bottom Flange



Notes: Flange holes are .28 D. Flange radii are .37 R. Dimensions are in inches. Millimeters shown are for reference only.
Data subject to change without notice.

Accessories

Hardware

Illustration Sheet and Catalog Number

Hardware Packages

Hardware Packages			
Catalog Number	Description	Typical Use	Quantity
10168	#8-32 x .375 inch self tapping steel screw	Perforated panels	20
10169	#10-32 screw	JIC 12 & 14, small 3R & 1 panel mtg	4
10240 A	#10-32 stainless screw	JIC 4X panel mtg	4
10242 A	.375-16 stainless flange nut	NEMA 4X panel mtg	4
10242 B	.375-16 stainless flange nut	NEMA 4X panel mtg	6
10242 C	.375-16 stainless flange nut	NEMA 4X panel mtg	8
10242 D	.375-16 stainless flange nut	NEMA 4X panel mtg	10
10243 A	.375-16 flange nut	NEMA 12 & 4, large 3R panel mtg	4
10243 B	.375-16 flange nut	NEMA 12 & 4, large 3R panel mtg	6
10243 C	.375-16 flange nut	NEMA 12 & 4, large 3R panel mtg	8
10243 D	.375-16 flange nut	NEMA 12 & 4, large 3R panel mtg	10
10108 A	Formed hinge and screw	RTHC cover mtg	2
10118 A	#10-32 gasketed screw	WPSC cover mtg	10
10129 A	Oval head screw, cupped washer	Type 1 telephone cabinet cover mtg	10
10119 A	#10-32 retaining screw & washer	JIC-SC, console, console, pushbutton cover mtg	10
10166 A	10-32 x .50 inch steel screw	Miscellaneous cover mtg	20
10167 A	10-32 x .50 inch stainless screw	Miscellaneous cover mtg	20

A variety of Hardware Packages intended to be used as replacement hardware parts for the different styles and types of Cooper B-Line enclosures. For more information or for availability of other replacement parts consult the factory.

Discount Schedule: C2

Subclass: DSO

Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Hardware Illustration Sheet and Catalog Number

Ground Lug Kits



Ground Lug Kits		
Catalog Number	Wire Range	Fastener
10184 A	#6-#14 AWG CU/AL	#10-32
10184 B	1/0-#14 AWG CU/AL	#10-32
10184 C	250MCM-1/0 CU/AL	.25-20

Ground Lug Kits are intended to provide a means for equipment grounding for most enclosures. Lug sizes 1/0 and above have a "J" shaped design to lay-in wire and cable. The fastener is colored green to meet NEC standards for grounding devices.

Grounding Devices



Grounding Device						
Catalog Number	Description	Approximate Wire Size	Length Between Ring Terminals		Ring Terminal For Stud Diameter	
			in.	mm	in.	mm
GLK2	Grounding Kit	-	-	-	-	-
GS88	Grounding Strap	#8	8.00	203	.250	6
GS816	Grounding Strap	#8	16.00	406	.250	6
GS48	Grounding Strap	#4	8.00	203	.375	10
GS416	Grounding Strap	#4	16.00	406	.375	10

C.S.A. Grounding Kit is intended for use on Industrial Control Enclosures with panels where product must comply with Canadian Standards Association (C.S.A.) requirements. The kit includes hardware, labels and instructions for application. The grounding strap is used to provide electrical continuity between metal parts which must be electrically connected. The strap is stranded copper with a ring terminal at each end. The strap is insulated in green wrap.

Discount Schedule: C2
Subclass: DS0



Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Accessories

Hardware

Illustration Sheet and Catalog Number

Sealing Device Packages



Sealing Device Packages		
Catalog Number	Description	Quantity
SEALS	Wire seal screw	10
SEALWN	Wire seal wing nut	10
SEALC	Wire seal clip	10

Sealing hardware devices are used as replacement pieces for various enclosures and wireway. All hardware is plated.

Discount Schedule: C2

Subclass: DSO

Channel Nuts



Clamping Nut Package		
Catalog Number	Description	Quantity
TN228-20	Large, .375-16 thread	20
N624-20	Small, .25-20 thread	20
N627-20	Small, 10-32 thread	20

Channel Nuts are intended to be used on channel strut typically found in Consoles, Free-Standing, Terminal, and Disconnect Enclosures. There are two sizes of clamp nuts available. One size fits the 1.62 inch wide (large) channel; The other fits the .81 inch wide (small) channel. The small channel nuts come in two thread sizes (see table).

Discount Schedule: C2

Subclass: DSO

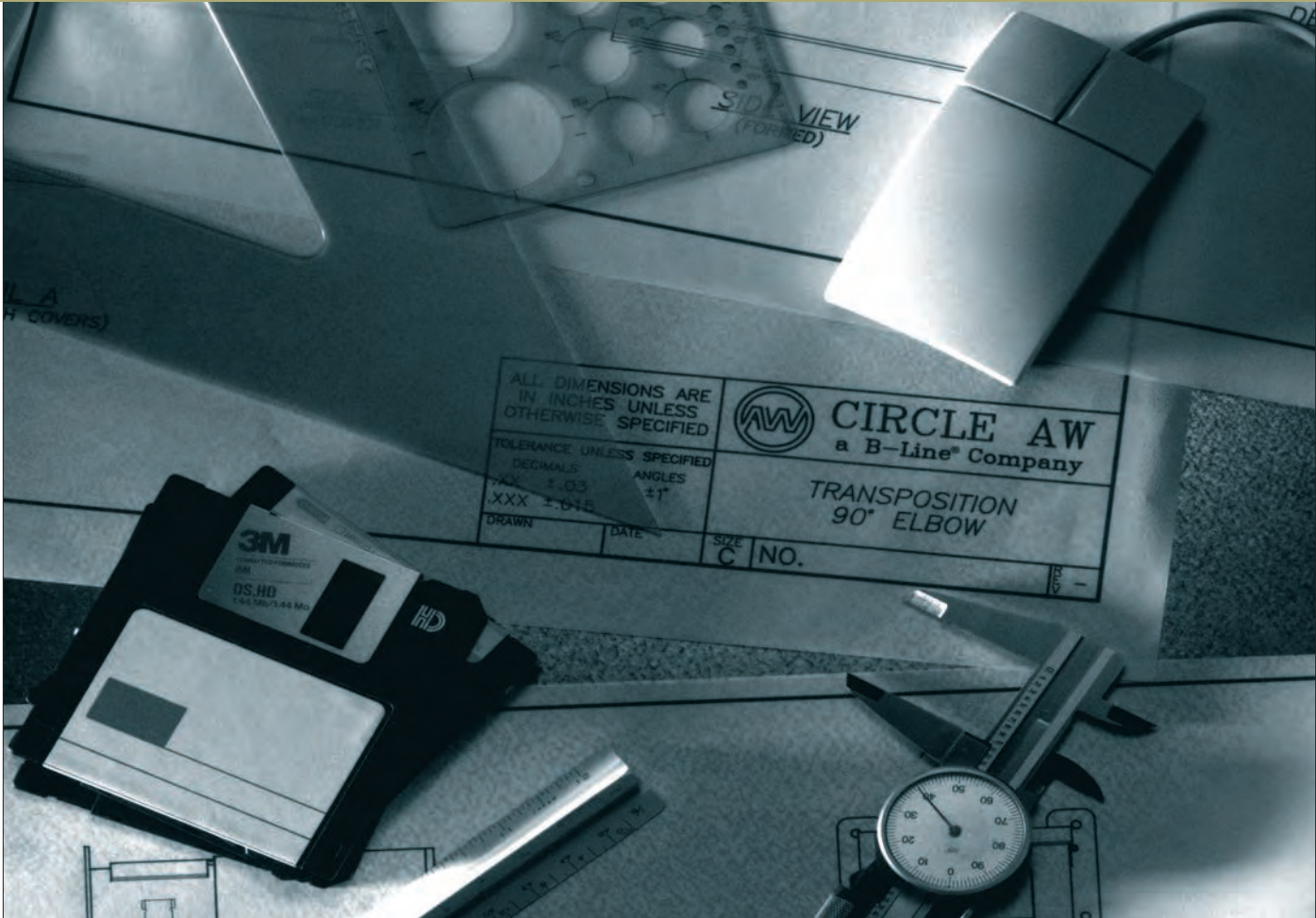
Touch-Up Paint

Touch-Up Paint	
Catalog Number	Description
84033	White enamel
84034	ANSI 61 gray

Touch-Up Paint can be used to repair the finish of panels and enclosures. Paint is available in ANSI 61 and White Enamel in 12oz. spray cans.



Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.



Engineering Data

Industry Standards	452-453
Enclosure Comparison Charts	454-455
Materials & Finishes	456
Corrosion Charts	457-461
Wireway Selection Charts	462-464
Decimal & Metric Equivalents	465
Metric Conversion Charts	466

Industry Standards

Enclosure Ratings

Third party certifiers, such as UL & CSA, have adopted most of the enclosure ratings from the ANSI /NEMA 250 standard for electrical enclosures. Such ratings identify the environmental capabilities of enclosures based on specified performance criteria. Thus, the type of enclosure can be selected as deemed appropriate for the application.

These enclosures are intended to house electrical equipment rated at no more than 1000 volts for use in nonhazardous locations. Such enclosures do not protect devices against conditions such as condensation, icing, corrosion or contamination which may occur within the enclosure or may enter via the conduit or unsealed openings, and are not intended to prevent entry or operation by unauthorized personnel.

Sources of Standards



NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION

1300 North 17th Street

Suite 1847

Rosslyn, VA 22209

- NEMA Standards Publication No. 250, Enclosures for Electrical Equipment (1000 Volts Maximum)
- NEMA Standards Publication No. ICS6, Enclosures for Industrial Controls and Systems



ELECTRICAL/ELECTRONIC MANUFACTURERS ASSOCIATION OF CANADA

10 Carlson Court, Suite 500

Rexdale (Toronto), Ontario

Canada, M9W 6L2



UNDERWRITERS LABORATORIES INC.

333 Pfingsten Road

Northbrook, IL 60062

- UL 50, Enclosures for Electrical Equipment
- UL 508, Industrial Control Equipment
- UL 870, Wireway, Auxiliary Gutters and Associated Fittings
- UL 414, Meter Sockets



JOINT INDUSTRY COUNCIL

7901 Westpark Drive

McLean, VA 22101

- EMP-1, Electrical Standards for Mass Production Equipment
- EGP-1, Electrical Standards for General Purpose Machine Tools



CANADIAN STANDARDS ASSOCIATION

178 Rexdale Boulevard

Rexdale (Toronto), Ontario

Canada, M9W 1R3

- CSA Standard C22.2 No. 94-M91, Industrial Control Equipment for use in Ordinary (Nonhazardous) locations.
- CSA Standard C22.2 No. 40 M1989, Cutout, Junction & Pull Boxes
- CSA Standard C22.2 No. 26 1952, Wireways, Auxiliary Gutters & Associated Fittings
- CSA Standard C22.1, 1990, Canadian Electrical Code

NFPA

NATIONAL FIRE PROTECTION ASSOCIATION




Batterymarch Park

Quincy, MA 02269

- NFPA 70 National Electrical Code (1999)

An enclosure is a surrounding case constructed to provide a degree of protection to personnel against incidental contact with the enclosed equipment and to provide a degree of protection to the enclosed equipment against specified environmental conditions.

A brief description of the more common types of enclosures used by the electrical industry relating to their environmental capabilities follows:

 NEMA	 UL (UL 50)	 CSA 22.2 No. 94-M91
Type 1 Enclosures are intended for indoor use primarily to provide a degree of protection against limited amounts of falling dirt.	Type 1 Indoor use primarily to provide a degree of protection against limited amounts of falling dirt.	Type 1 General purpose enclosure. Protects against accidental contact with live parts.
Type 3 Enclosures are intended for outdoor use primarily to provide a degree of protection against rain, sleet, wind blown dust and damage from external ice formation.	Type 3 Outdoor use primarily to provide a degree of protection against rain, sleet, windblown dust and damage from external ice formation.	Type 3 An enclosure for either indoor or outdoor use, constructed so as to provide a degree of protection against rain, snow, and windblown dust; undamaged by the external formation of ice on the enclosure.
Type 3R Enclosures are intended for outdoor use primarily to provide a degree of protection against rain, sleet and damage from external ice formation.	Type 3R Outdoor use primarily to provide a degree of protection against rain, sleet, and damage from external ice formation.	Type 3R An enclosure for either indoor or outdoor use, constructed so as to provide a degree of protection against rain, and snow, undamaged by the external formation of ice on the enclosure.
Type 4 Enclosures are intended for indoor or outdoor use primarily to provide a degree of protection against windblown dust and rain, splashing water, hose-directed water and damage from external ice formation.	Type 4 Indoor or outdoor use primarily to provide a degree of protection against windblown dust and rain, splashing water, hose-directed water and damage from external ice formation.	Type 4 An enclosure for either indoor or outdoor use, constructed so as to provide a degree of protection against rain, snow, windblown dust, splashing and hose-directed water; undamaged by the external formation of ice on the enclosure.
Type 4X Enclosures are intended for indoor or outdoor use primarily to provide a degree of protection against corrosion, windblown dust and rain, splashing water, hose-directed water and damage from external ice formation.	Type 4X Indoor or outdoor use primarily to provide a degree of protection against corrosion, windblown dust and rain, splashing water, hose-directed water and damage from external ice formation.	Type 4X An enclosure for either indoor or outdoor use, constructed so as to provide a degree of protection against rain, snow, windblown dust, splashing and hose-directed water; undamaged by the external formation of ice on the enclosure; resists corrosion.
Type 12 Enclosures are intended for indoor use primarily to provide a degree of protection against circulating dust, falling dirt and dripping noncorrosive liquids.	Type 12/12K Indoor use primarily to provide a degree of protection against circulating dust, falling dirt and dripping noncorrosive liquids.	Type 12 An enclosure for indoor use, constructed so as to provide a degree of protection against circulating dust, lint, fibres, and flyings; dripping and light splashing of noncorrosive liquids; not provided with knockouts.
Type 12K Enclosures with knockouts are intended for indoor use primarily to provide a degree of protection against circulating dust, falling dirt and dripping non-corrosive liquids.		Type 12K An enclosure for indoor use, constructed so as to provide a degree of protection against circulating dust, lint, fibres, and flyings; dripping and light splashing of noncorrosive liquids; and provided with knockouts.
Type 13 Enclosures are intended for indoor use primarily to provide a degree of protection against dust, spraying of water, oil and noncorrosive coolant.	Type 13 Indoor use primarily to provide a degree of protection against dust, spraying of water, oil and noncorrosive coolant.	Type 13 An enclosure for indoor use, constructed so as to provide a degree of protection against circulating dust, lint, fibres, and flyings; seepage and spraying of noncorrosive liquids including oils and coolants.

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Comparison of Specific Applications of Enclosures for Indoor Nonhazardous Locations

Provides a degree of protection against the following environmental conditions	Enclosure Type					
	1*	4	4X	12	12K	13
Incidental contact with the enclosed equipment	X	X	X	X	X	X
Falling Dirt	X	X	X	X	X	X
Falling liquids and light splashing		X	X	X	X	X
Circulating dust, lint, fibers and flyings**		X	X	X	X	X
Settling airborne dust, lint, fibers and flyings**		X	X	X	X	X
Hosedown and splashing water		X	X			
Oil and coolant seepage				X	X	X
Oil or coolant spraying and splashing						X
Corrosive agents			X			
Occasional temporary submersion						
Occasional prolonged submersion						

* These enclosures may be ventilated.

** These fibers and flying are nonhazardous materials and are not considered the Class III type ignitable fibers or combustible flyings. For Class III type ignitable fibers or combustible flyings see the National Electrical Code, Article 500.

Comparison of Specific Applications of Enclosures for Outdoor Nonhazardous Locations

Provides a degree of protection against the following environmental conditions:	Enclosure Type			
	3	3R***	4	4X
Incidental contact with the enclosed equipment	X	X	X	X
Rain, snow and sleet*	X	X	X	X
Sleet**				
Windblown dust	X		X	X
Hosedown			X	X
Corrosive agents				X
Occasional temporary submersion				
Occasional prolonged submersion				

* External operating mechanisms are not required to be operable when the enclosure is ice covered.

** External operating mechanisms are operable when the enclosure is ice covered.

*** These enclosures may be ventilated.

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Comparison Between NEMA Enclosure Type Numbers and IEC Enclosure Classification Designations*

IEC Publication 529 *Classification of Degrees of Protection Provided by Enclosures* provides a system for specifying the enclosures of electrical equipment on the basis of degree of protection provided by the enclosure. IEC 529 does not specify degrees of protection against mechanical damage of equipment, risk of explosions, or conditions such as moisture (produced for example by condensation), corrosive vapors, fungus or vermin. NEMA Standards Publication 250 does test for environmental conditions such as corrosion, rust, icing, oil and coolants. For this reason, and because the tests and evaluations for other characteristics are not identical, the IEC Enclosure Classification Designations cannot be exactly equated with NEMA Enclosure Type Numbers.

The IEC designation consists of the letters IP followed by two numerals. The first characteristic numeral indicates the degree of protection provided by the enclosure with respect to persons and solid foreign objects entering the enclosure. The second characteristic numeral indicates the degree of protection provided by the enclosure with respect to the harmful ingress of water.

Table A-1 provides an equivalent conversion from NEMA Enclosure Type Numbers to IEC Enclosure Classification Designations. The NEMA Types meet or exceed the test requirements for the associated IEC Classifications; for this reason Table A-1 cannot be used to convert from IEC Classifications to NEMA Types.

Table A-1 Conversion of NEMA Type Numbers to IEC Classification Designations
(Cannot be used to convert IEC Classification Designations to NEMA Type Numbers)

NEMA ENCLOSURE TYPE NUMBER	IEC ENCLOSURE CLASSIFICATION DESIGNATION
1	IP20
2	IP22
3	IP55
3R	IP24
3S	IP55
4 and 4X	IP66
5	IP53
6 and 6P	IP67
12 and 12K	IP54
13	IP54

Note: This comparison is based on tests specified in IEC Publication 529.

Components Suitable for Closing Openings in Enclosures

Enclosure Type	Openings shall be closed by equipment rated for enclosure types
3	3, 3S, 4, 4X
3R	3, 3R, 3S, 4, 4X
4	4, 4X
4X	4X
12, 12K	12, 12K, 13, 4, 4X
13	13

Materials and Finishes

Caution: Environmental capabilities of enclosures, including materials and finishes, are limited to the degree of protection provided by the “type” rating of the selected enclosure. See industry standards for more information.

METALS

Characteristics of Various Metals

Hot Rolled Pickled and Oiled Steel Sheets (ASTM A1011)

A low-carbon, hot-finished steel that has had the normal mill oxide removed by means of an acid bath. After de-scaling, an oil film is applied to protect the surface. Removal of the mill oxide improves the surface appearance, uniformity, and finishing quality.

Cold Rolled Steel (ASTM A1008)

A low-carbon, cold-finished steel having commercial quality, close thickness tolerance and better surface than hot rolled pickled and oiled.

Galvanized Steel (ASTM A653)

Steel with a zinc coating applied by the hot dip galvanizing process. The zinc coating provides a degree of corrosion protection, and also provides some protection at the sheared edges.

Stainless Steel Type 302/304 (ASTM-A240)

An excellent corrosion resistant material with excellent mechanical properties. It has many of the same chemical resistance attributes of fiberglass materials.

5052-H32 Aluminum (ASTM B209)

An excellent alloy for enclosure manufacturing. It exhibits good resistance to corrosion in a marine atmosphere.

Gasket Material

Poron 4701-40

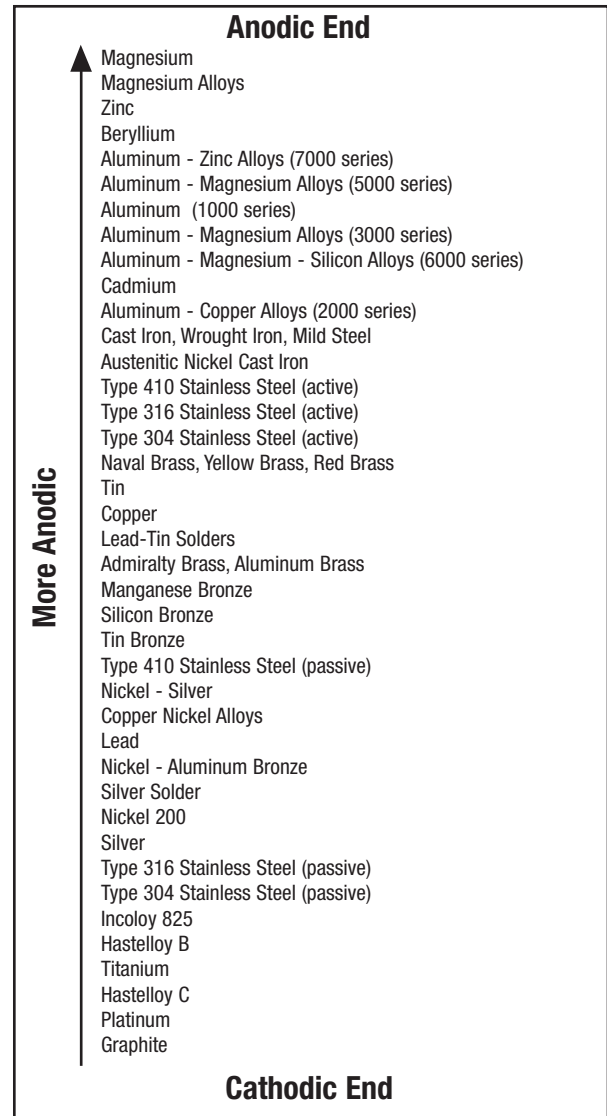
High density polyurethane with excellent compression set, resistance and good oil resistance.

Finishes

Polyester Urethane - Powder: A durable and smooth coating with good adhesion and corrosion resistance suitable for outdoor use. Provides good impact protection against heat or chemicals.

Electrocoat (E-Coat) - Liquid: A rugged cathodic acrylic coating that results in a unique combination of durability and corrosion resistance.

Epoxy - Powder: A tough, durable finish which is corrosion resistant and resistant to many solvent oils. Gloss may be affected by prolonged exposure to UV light.



B-Line Manufactures enclosures from a wide range of materials, offering varying degrees of resistance against chemical corrosion. All materials are affected by corrosion in some manner. Depending on the physical properties of the material and the environment to which it is exposed, chemical or electromechanical corrosion may occur. In order to select the appropriate material for your application, refer to the corrosion resistance table on the following pages.

Atmospheric Corrosion

Atmospheric corrosion occurs when a material is exposed to airborne liquids, solids, or gases. Some sources of atmospheric corrosion are moisture, salt, dirt, and sulfuric acid. This form of corrosion is typically worse outdoors, and especially near marine environments.

To combat the effects of atmospheric corrosion, the National Electrical Manufacturers Association (NEMA) has developed the NEMA 4X rating. An enclosure carrying the NEMA 4X rating meets certain minimum conditions of corrosion resistance. Specifically, the materials from which NEMA 4X rated enclosures are formed must withstand two hundred hours of salt spray with no more evidence of corrosive pitting than is exhibited by a concurrently tested sample of Type 304 stainless steel.

B-Line offers metallic NEMA 4X rated enclosures in aluminum, and stainless steel Type 304 and Type 316L as well as a full line of NEMA 4X rated non-metallic enclosures.

Chemical Corrosion

Chemical corrosion takes place when a material comes into direct contact with a corrosive agent. The severity of chemical corrosion is affected by chemical concentration level, frequency of washing, and operating temperature. Refer to the chart below for a general overview of how different enclosures might perform when in contact with chemicals of varying pH. The chart is provided as a quick guide to how different materials might perform in your environment. We recommend consulting the detailed corrosion resistance table provided on the following pages to be sure that the appropriate material is selected.

Storage Corrosion

Wet storage stain (White rust) is caused by the entrapment of moisture between the surfaces of closely packed and poorly ventilated material for an extended period. Wet storage stain is usually superficial, having little affect on the properties of the material.

Proper handling and storage will help to assure stain free material. If a product arrives wet, it should be unpacked and allowed to dry before storage. Dry material should be stored in a well-ventilated, low-moisture environment to avoid the formation of condensation. Outdoor storage is undesirable and should be avoided whenever possible.

Galvanic Corrosion

Galvanic corrosion occurs when two or more dissimilar metals are in contact in the presence of seawater or another electrolyte. In this situation, an electrolytic cell is created and the metals become either an anode or a cathode. The anodic material will corrode and the cathodic material will be protected.

Whether a material is anodic depends on the relative positions of the interacting materials in the Galvanic Series Table (shown at left). For example: If zinc and steel are in contact, the zinc acts as the anode and will corrode while protecting the steel. If steel and copper are in contact, the steel is now the anode and will corrode while protecting the copper.

The rate at which galvanic corrosion occurs depends on several factors:

1. The amount and concentration of electrolyte present. An indoor, dry environment will support little or no galvanic corrosion relative to a wet atmosphere.
2. The relative amount of the materials. A small amount of anodic material in contact with a large amount of cathodic material will result in accelerated corrosion of the anodic material. Inversely, a large amount of anodic material in contact with a small amount of cathodic material will decrease the rate of corrosion.
3. The relative position of the materials in the Galvanic Series. The further apart the interacting materials are in the Galvanic Series, the greater the potential for corrosion of the anodic material.

	Solvent	Caustic	Acid
Preferred	Stainless Steel Type 316 Stainless Steel Type 304 Non-Metallic Aluminum Steel, Epoxy Powder Coated	Non-Metallic Stainless Steel Type 316 Stainless Steel Type 304	Non-Metallic Stainless Steel Type 316 Stainless Steel Type 304
Satisfactory	Non-Metallic	Non-Metallic	Non-Metallic Steel, Epoxy Powder Coated
Limited		Steel, Epoxy Powder Coated Aluminum	Aluminum

Note: The corrosion data given in the table on the following pages is for general comparison only. (Reference Corrosion Resistance Tables, Second Edition)
The presence of contaminants in chemical environments can greatly affect the corrosion rate of any material. B-Line strongly suggests that field service tests or simulated laboratory tests using actual environmental conditions be conducted in order to determine the proper materials and finishes to be selected. B-Line offers no guarantee or warranty as to the suitability of a particular material for use in any specific environment which is beyond our control.

Corrosion Resistance Table

Chemical	Unpainted Metal Enclosures									Painted Steel Enclosures					
	Aluminum			Stainless Steel Type 304			Stainless Steel Type 316			Acrylic Electrocoat, ANSI 61 Gray			Polyester Powdercoat, ANSI 61 Gray		
	Cold	Warm	Hot	Cold	Warm	Hot	Cold	Warm	Hot	Cold	Warm	Hot	Cold	Warm	Hot
Acetic Acid, 50%	R	L	U	R	R	L	R	R	R	U	U	U	R	R	U
Acetic Acid, 10%	R	L	U	R	R	R	R	R	R	U	U	U	R	R	R
Acetone	R	R	R	R	R	R	R	R	R	U	U	U	U	U	U
Aluminum Chloride	U	U	U	R	R	R	R	R	R	R	--	--	R	R	R
Aluminum Sulfate ,Saturated	R	R	R	R	R	R	R	R	R	R	--	--	R	R	R
Ammonia Gas	--	--	--	R	--	--	R	--	--	R	--	--	R	R	L
Ammonium Hydroxide, 10%	L	L	L	R	R	R	R	R	R	R	--	--	L	L	L
Amyl Acetate	R	R	R	R	R	R	R	R	R	U	U	U	L	U	U
Amyl Alcohol	R	R	R	R	--	--	R	R	R	R	--	--	R	R	R
Aniline	R	R	R	R	R	R	R	R	R	U	U	U	U	U	U
Aqua Regia	U	U	U	U	U	U	U	U	U	--	--	--	U	U	U
Benzene, Benzol	R	R	R	R	R	R	R	R	R	U	U	U	U	U	U
Benzoic Acid	L	L	U	R	R	R	R	R	R	U	U	U	R	R	--
Boric Acid	R	R	L	R	R	R	R	R	R	R	--	--	R	R	--
Bromine Water	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Butyl Acetate	R	R	R	R	--	--	R	R	R	U	U	U	L	U	U
Butyl Alcohol, Tertiary	R	R	R	R	R	R	R	R	R	R	--	--	R	--	--
Butyric Acid	L	L	L	R	R	R	R	R	R	U	U	U	R	R	--
Calcium Chloride	L	L	U	R	R	R	R	R	R	R	--	--	R	R	R
Calcium Hydroxide	U	--	--	R	R	R	R	R	R	R	--	-	R	R	--
Calcium Nitrate	R	R	--	R	--	--	R	R	R	--	--	--	R	R	R
Carbon Dioxide, Wet	R	R	--	R	R	L	R	R	L	R	--	--	R	R	R
Carbon Disulfide (Bisulfide)	R	R	R	R	R	L	R	R	R	R	--	--	U	U	U
Carbon Monoxide	R	R	R	R	R	R	R	R	R	--	--	--	R	R	R
Carbon Tetrachloride	L	L	U	L	L	L	R	R	R	U	U	U	U	U	U
Chlorine, Liquid	--	--	--	R	L	--	--	--	--	--	--	--	--	--	--
Chlorine Water, Saturated	R	--	--	U	U	U	U	U	U	R	--	--	R	R	R
Chlorobenzene (Phenylchloride)	R	R	--	R	R	L	R	R	R	U	U	U	U	U	U
Chloroform	R	L	U	R	L	L	R	R	R	U	U	U	U	U	U
Chlorox Bleach Solution, 5.5% Chlorine	U	U	U	--	--	--	R	--	--	--	--	--	--	--	--
Chromic Acid, 10%	R	R	--	R	R	L	R	R	R	U	U	U	U	U	U
Citric Acid, 5%	L	L	L	R	U	U	R	R	R	R	--	--	R	R	R
Copper Chloride	U	U	U	U	U	U	U	U	U	R	--	--	R	R	R
Copper Sulfate	U	U	U	R	R	R	R	R	R	U	U	U	R	R	R
Cresol	R	L	--	R	R	--	R	L	--	U	U	U	U	U	U
Crude Oil	R	R	--	R	R	R	R	R	R	--	--	--	R	R	R
Diesel Fuels	R	--	--	R	--	--	R	--	--	--	--	--	R	R	--
Dimethyl Formamide	R	--	--	--	--	--	R	R	R	U	U	U	U	U	U
Dioxane	R	R	R	R	R	R	R	R	R	--	--	--	U	U	U
Ethyl Acetate	R	R	R	R	R	L	R	R	R	U	U	U	U	U	U
Ethyl Alcohol	R	R	R	R	R	R	R	R	R	U	U	U	R	--	--
Ethyl Chloride	R	R	R	R	R	R	R	R	R	U	U	U	--	--	--
Ethyl Ether	R	--	--	R	R	R	R	R	R	U	U	U	U	U	U
Ethylene Glycol	R	R	L	R	R	--	R	R	R	R	--	--	R	R	R
Ethylene Oxide	R	R	R	R	R	L	R	R	R	--	--	--	U	U	U
Ferric Chloride	U	U	U	U	U	U	U	U	U	R	--	--	R	R	--
Formaldehyde, 37% Solution	R	R	R	R	R	R	R	R	R	R	--	--	R	R	--
Formic Acid, 10%	R	R	--	R	R	U	R	R	R	U	U	U	--	--	--
Freon, F-22	R	--	--	R	--	--	R	R	R	--	--	--	--	--	--
Gasoline, Unleaded	R	R	R	R	--	--	R	--	--	R	U	U	R	R	R
Heptane	R	L	--	R	R	R	R	R	R	--	--	--	R	R	R
Hexane	R	--	--	R	R	R	R	R	R	R	--	--	R	--	--
Hydrobromic Acid, Dilute	U	U	U	U	U	U	U	U	U	--	--	--	R	R	--

The corrosion data given in this table is for general comparison only. (Reference Corrosion Resistance Tables, Second Edition)
 The presence of contaminants in chemical environments can greatly affect the corrosion rate of any material.

R = Recommended L = Limited Use U = Unsatisfactory -- = Information not available Cold = 50-80°F Warm = 130-170°F Hot = 200-212°F

Corrosion Resistance Table

Non-Metallic Enclosures			Door Gasket Materials				
Polyamide	Polycarbonate	Polyester	Foam-in-Place Polyurethane Sponge	Poron Polyurethane Sponge	Neoprene Rubber Sponge	Silicone Rubber Sponge	Viton, Rubber Sponge
L	L	R	--	--	L	R	R
R	R	R	L	L	L	R	R
R	U	U	U	U	L	U	U
L	R	R	R	R	R	R	R
L	R	R	R	R	R	R	R
U	U	L	R	R	R	--	U
U	U	U	R	R	R	R	R
--	U	L	U	U	U	U	U
--	L	L	U	U	R	U	R
U	U	U	U	U	U	R	R
--	L	U	U	U	--	--	R
R	U	L	U	U	R	U	R
L	U	L	R	U	R	R	R
L	R	R	R	L	U	R	R
--	U	U	--	U	U	U	R
--	U	L	R	U	U	R	R
R	R	R	--	--	U	R	R
L	U	L	--	--	U	U	R
R	R	R	R	R	R	R	R
U	--	U	--	L	R	R	R
L	R	R	--	L	R	R	R
L	--	R	R	R	R	R	R
R	U	L	--	--	U	--	R
L	--	R	--	R	R	R	R
R	U	L	U	U	U	U	R
L	L	L	--	--	U	U	R
R	R	R	--	U	U	U	R
R	U	U	L	U	U	U	R
R	U	U	L	U	U	U	R
--	L	R	--	--	U	U	U
U	R	L	U	U	U	L	R
R	R	R	R	--	R	R	R
L	R	--	--	R	R	R	R
L	R	R	--	R	R	--	R
U	U	U	--	U	U	--	R
L	--	L	--	L	U	U	R
--	R	R	R	--	R	U	R
U	U	L	U	--	U	L	L
--	U	L	--	--	U	L	L
R	U	L	L	U	U	R	U
R	L	R	R	U	U	R	U
R	U	L	--	--	L	U	R
R	U	U	--	U	U	U	U
L	R	R	R	R	R	R	R
--	R	R	--	U	U	U	U
L	R	R	--	R	R	R	R
L	R	R	--	U	R	--	L
R	R	L	U	U	R	R	R
--	U	R	--	U	R	U	R
R	L	R	--	R	R	U	R
R	R	R	R	U	R	U	R
--	L	R	R	R	R	U	R
L	--	L	--	--	U	U	R

The corrosion data given in this table is for general comparison only. (Reference Corrosion Resistance Tables, Second Edition)
 The presence of contaminants in chemical environments can greatly affect the corrosion rate of any material.

R = Recommended L = Limited Use U = Unsatisfactory -- = Information not available Cold = 50-80°F Warm = 130-170°F Hot = 200-212°F

Corrosion Resistance Table cont.

Chemical	Unpainted Metal Enclosures									Painted Steel Enclosures					
	Aluminum			Stainless Steel Type 304			Stainless Steel Type 316			Acrylic Electrocoat, ANSI 61 Gray			Polyester Powdercoat, ANSI 61 Gray		
	Cold	Warm	Hot	Cold	Warm	Hot	Cold	Warm	Hot	Cold	Warm	Hot	Cold	Warm	Hot
Hydrochloric Acid, 20%	U	U	U	U	U	U	U	U	U	R	--	--	R	R	--
Hydrofluoric Acid, 10%	U	U	U	U	U	U	U	U	U	--	--	--	R	--	--
Hydrogen Peroxide, 30%	R	R	R	R	R	R	R	R	R	--	--	--	R	--	--
Hydrogen Sulfide, Wet	R	--	--	U	U	U	R	R	R	R	R	--	R	R	--
Isopropyl Alcohol	R	--	--	R	R	--	R	R	R	--	--	--	U	U	U
Jet Fuels	R	R	--	R	--	--	R	R	R	R	--	--	R	R	--
Kerosine	R	R	--	R	R	R	R	R	R	R	--	--	R	R	--
Lactic Acid, 10%	R	--	--	R	R	L	R	R	R	U	U	U	R	R	R
Magnesium Chloride	U	U	U	L	L	L	R	R	R	R	--	--	R	R	R
Methyl Alcohol	R	L	--	R	R	L	R	R	R	--	--	--	R	R	--
Methyl Ethyl Ketone	R	L	--	R	L	--	R	R	R	U	U	U	U	U	U
Methylene Chloride	R	R	R	R	R	L	R	R	R	U	U	U	U	U	U
Mineral Oils	R	R	--	R	--	--	R	R	R	R	--	--	R	--	--
Naptha	R	--	--	R	R	--	R	--	--	R	U	U	R	R	R
Nitric Acid, 10%	U	U	U	R	R	R	R	R	R	R	--	--	R	R	U
Nitrobenzene	R	--	--	R	R	L	R	R	R	U	U	U	U	U	U
Oleic Acid	R	--	--	R	R	L	R	R	R	R	R	--	R	R	R
Oleum	R	--	--	R	--	--	R	--	--	U	U	U	U	U	U
Oxalic Acid, 10%	R	L	--	U	U	U	U	U	U	R	--	--	R	R	--
Oxygen	R	R	--	R	--	--	R	R	R	--	--	--	--	--	--
Ozone	R	R	--	R	R	--	R	R	R	--	--	--	--	--	--
Perchloroethylene	R	R	R	R	R	R	R	R	R	--	--	--	R	U	U
Phenol	R	R	R	R	R	R	R	R	R	R	--	--	U	U	U
Phosphoric Acid, 25%	U	U	U	R	R	L	R	L	U	R	--	--	R	R	R
Phthalic Acid	R	R	R	R	R	R	R	R	R	--	--	--	R	--	--
Potassium Chloride, 30%	U	U	U	R	R	R	R	R	R	R	--	--	R	R	R
Potassium Dichromate, 30%	R	R	L	R	R	R	R	R	R	R	--	--	R	R	R
Potassium Hydroxide, 10%	U	U	U	R	R	L	R	R	R	R	R	U	U	U	U
Potassium Nitrate, 50%	R	R	R	R	R	L	R	R	R	R	--	--	R	R	R
Potassium Permanganate, 10%	R	R	R	R	L	L	R	R	L	U	U	U	R	R	--
Pyradine	R	R	R	R	R	R	R	R	R	--	--	--	U	U	U
Sodium Bicarbonate, 20%	R	--	--	R	R	R	R	R	R	R	--	--	R	R	--
Sodium Bisulfite, 10%	U	U	U	R	R	L	R	R	R	R	--	--	R	R	--
Sodium Carbonate, 10%	U	U	U	R	R	L	R	R	R	U	U	U	R	R	U
Sodium Chlorate, 10%	R	R	R	R	R	R	R	R	R	R	--	--	R	R	--
Sodium Chloride, 10%	R	U	U	R	R	L	R	R	R	R	--	--	R	R	R
Sodium Hydroxide, 10%	U	U	U	R	R	R	R	R	R	R	--	--	R	U	U
Sodium Hypochlorite, 10%	R	L	L	R	L	U	R	--	--	R	R	--	U	U	U
Sodium Nitrate	R	R	R	R	R	U	R	R	R	R	--	--	R	R	R
Sodium Sulfate	R	R	L	R	R	U	R	R	R	R	--	--	R	R	U
Sulfur Dioxide	R	R	R	R	R	R	R	R	R	R	R	--	R	R	R
Sulfuric Acid, 5%	U	U	U	L	U	U	R	--	--	R	--	--	R	R	R
Tartaric Acid	L	U	U	R	R	R	R	R	R	--	--	--	R	R	R
Tetrahydrofuran	U	U	U	R	--	--	L	L	L	--	--	--	U	U	U
Toluene	R	R	R	R	R	R	R	R	R	U	U	U	R	U	U
Trichloroacetic Acid	U	U	U	U	U	U	U	U	U	--	--	--	R	R	U
Trichloroethylene	R	R	L	R	L	L	R	R	L	U	U	U	U	U	U
Trisodium Phosphate	U	U	U	R	R	--	R	R	--	--	--	--	R	R	U
Turpentine	L	--	--	R	R	--	R	R	L	R	--	--	R	R	--
Water	R	R	L	R	R	R	R	R	R	R	--	--	R	R	R
Xylene	R	R	R	R	R	R	R	R	R	--	--	--	R	--	--
Zinc Chloride	U	U	U	U	U	U	L	L	L	R	--	--	R	R	R
Zinc Sulfate	U	U	U	R	R	R	R	R	R	R	--	--	R	R	R

The corrosion data given in this table is for general comparison only. (Reference Corrosion Resistance Tables, Second Edition)
 The presence of contaminants in chemical environments can greatly affect the corrosion rate of any material.

R = Recommended L = Limited Use U = Unsatisfactory -- = Information not available Cold = 50-80°F Warm = 130-170°F Hot = 200-212°F

Corrosion Resistance Table

Non-Metallic Enclosures			Door Gasket Materials				
Polyamide	Polycarbonate	Polyester	Foam-in-Place Polyurethane Sponge	Poron Polyurethane Sponge	Neoprene Rubber Sponge	Silicone Rubber Sponge	Viton, Rubber Sponge
L	L	L	R	R	R	R	R
L	R	L	--	--	R	U	R
--	R	R	--	--	U	R	R
L	R	R	--	--	R	L	U
R	R	R	--	U	U	U	U
R	L	R	--	U	U	U	R
R	R	R	--	U	R	U	R
L	R	R	--	--	R	R	R
L	R	R	R	R	R	R	R
R	L	L	U	U	R	U	U
R	U	L	U	U	U	U	U
R	U	U	U	U	--	--	R
L	R	R	R	R	R	R	R
--	R	R	--	R	U	U	R
L	R	L	U	U	U	U	R
L	U	L	--	U	U	U	R
L	R	R	R	R	L	U	R
U	--	U	--	U	L	U	R
L	R	R	--	--	U	R	R
L	R	R	--	--	U	R	R
--	U	L	R	--	L	R	R
R	--	U	U	U	U	U	R
L	U	U	--	U	R	U	R
L	L	L	--	--	R	--	--
L	--	R	--	--	R	R	R
--	R	R	R	R	R	R	R
U	--	L	--	R	R	R	R
L	U	U	--	R	R	L	R
L	R	R	--	--	R	R	R
U	R	L	--	--	R	--	R
L	U	--	--	--	L	R	R
U	R	R	--	--	R	R	R
--	R	R	--	--	R	R	R
U	R	R	--	--	R	R	R
--	R	R	--	--	R	L	R
L	R	R	R	R	R	R	R
R	U	L	--	--	R	R	R
U	R	L	--	--	L	R	R
L	U	R	--	--	R	U	R
L	R	R	--	R	R	R	R
L	R	R	--	R	R	R	R
--	U	U	U	--	U	U	U
L	U	L	L	U	--	R	R
--	R	U	--	--	U	U	L
L	--	L	L	U	U	U	R
U	L	--	--	R	R	R	R
--	L	R	R	U	U	U	R
R	R	R	R	R	U	--	R
--	U	L	L	U	U	U	R
L	R	R	--	--	R	R	R
L	R	R	--	--	R	R	R

The corrosion data given in this table is for general comparison only. (Reference Corrosion Resistance Tables, Second Edition)
 The presence of contaminants in chemical environments can greatly affect the corrosion rate of any material.

R = Recommended L = Limited Use U = Unsatisfactory -- = Information not available Cold = 50-80°F Warm = 130-170°F Hot = 200-212°F

Wireway Selection (Reference NFPA 70, National Electrical Code 2002)

Definition

Wireways are troughs with hinged or removable covers for housing and protecting electric wires and cable. Conductors are laid into the wireway after the wireway has been installed as a complete system.

Uses

The use of wireways are permitted as follows:

1. For exposed work in dry locations. For outdoor or wet locations, use Type 3R wireway.
2. If installed in inaccessible spaces, the use of wireway is permitted only for use with audio signal conductors (per NEC[®] 376-10).
3. In hazardous locations as permitted by NEC[®] sections 501, 502 and 504.
4. For extensions through walls, if the length passing through the wall is unbroken and access to conductors can be maintained from both sides.

The use of wireways is not permitted where a risk of severe physical damage or corrosive vapor is present.

Size of Conductors

Table I shows maximum allowable cable sizes for varying wireway sizes. (Based on UL 870 Table 7.1)

Table I

Wireway Size Inches	Maximum Cable Size AWG or kcmil
2.5x2.5	2
3x3	1
4x4	4/0
4x6	4/0
6x6	500
12x6	500
8x8	900
10x10	1250
12x12	2000

Conductors entering the wireway only at the ends of runs are limited in size only by the 20 percent fill requirement of the NEC[®]. However, it is recommended that wire sizes not exceed those in Table I above.

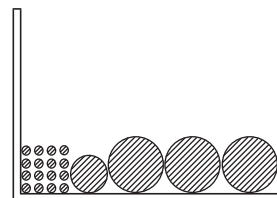
Number of Conductors

Wireways which contain no more than 30 current-carrying conductors at any cross section, and for which the sum of the cross-sectional areas of all contained conductors at any cross section does not exceed 20% of the interior cross-sectional area of the wireway, require no derating of cables. (Refer to Table II below)

Table II

Wireway Size Inches	Allowable Cable Area sq. in.
2.5x2.5	1.2
3x3	1.8
4x4	3.2
4x6	4.8
6x6	7.2
8x8	12.8
12x6	14.4
10x10	20.0
12x12	28.8

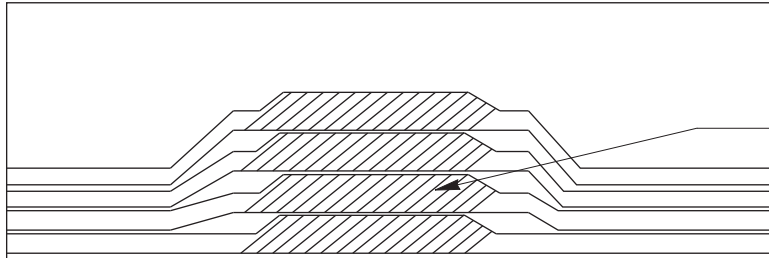
Cross sectional area of conductors
≤ 20% of cross sectional
area of wireway.



For exceptions allowing more conductors, see NEC[®] 362-5.

Splices and Taps

Splices and taps are permitted within a wireway, provided they are accessible. The conductors, including splices and taps, shall not fill the wireway to more than 75 percent of its area at the point of a splice or tap.



Cross sectional area of splices and taps is less than 75% of wireway's cross sectional area

Cross Sectional Area of Conductors

Single Conductor Cable 600V

SIZE	Cross Sectional Area of Conductors (sq. in.)							
	XXHW, XXHW-2, XHH		THHN, THWN THWN-2		THW, THW-2, THHW		RHH*, RHW* RHW-2*	
	Diameter in.	Area in. ²	Diameter in.	Area in. ²	Diameter in.	Area in. ²	Diameter in.	Area in. ²
14	0.1330	1.0139	0.1110	0.0097	0.1630	0.0209	0.1930	0.0293
12	0.1520	1.0181	0.1300	0.0133	0.1820	0.0260	0.2120	0.0353
10	0.1760	0.0243	0.1640	0.0211	0.2060	0.0333	0.2360	0.0437
8	0.2360	0.0437	0.2160	0.0366	0.2660	0.0556	0.3260	0.0835
6	0.2740	0.0590	0.2540	0.0507	0.3040	0.0726	0.3640	0.1041
4	0.3220	0.0814	0.3240	0.0824	0.3520	0.0973	0.4120	0.1333
3	0.3500	0.0962	0.3520	0.0973	0.3800	0.1134	0.4400	0.1521
2	0.3820	0.1146	0.3840	0.1158	0.4120	0.1333	0.4720	0.1750
1	0.4420	0.1534	0.4460	0.1562	0.4920	0.1901	0.5850	0.2688
1/0	0.4820	0.1825	0.4860	0.1855	0.5320	0.2223	0.6220	0.3039
2/0	0.5280	0.2190	0.5320	0.2223	0.5780	0.2624	0.6680	0.3505
3/0	0.5800	0.2642	0.5840	0.2679	0.6300	0.3117	0.7200	0.4072
4/0	0.6380	0.3197	0.6420	0.3237	0.6880	0.3718	0.7780	0.4754
250	0.7050	0.3904	0.7110	0.3970	0.7650	0.4596	0.8950	0.6291
300	0.7600	0.4536	0.7660	0.4608	0.8200	0.5281	0.9500	0.7088
350	0.8110	0.5166	0.8170	0.5242	0.8710	0.5958	1.0010	0.7870
400	0.8580	0.5782	0.8640	0.5863	0.9180	0.6619	1.0480	0.8626
500	0.9430	0.6984	0.9490	0.7073	1.0030	0.7901	1.1330	1.0082
600	1.0530	0.8790	1.0510	0.8676	1.1130	0.9729	1.2430	1.2135
700	1.1240	0.9923	1.1220	0.9887	1.1840	1.1010	1.3140	1.3561
750	1.1580	1.0532	1.1560	1.0496	1.2180	1.1652	1.3480	1.4272
800	1.1900	1.1122	1.1880	1.1085	1.2500	1.2272	1.3800	1.4957
900	1.2540	1.2351	1.2520	1.2311	1.3140	1.3561	1.4440	1.6377
1000	1.3120	1.3519	1.3100	1.3478	1.3720	1.4784	1.5020	1.7719
1250	1.4790	1.7180	-	-	1.5390	1.8602	1.7290	2.3479
1500	1.6020	2.0156	-	-	1.6620	2.1695	1.8520	2.6938
1750	1.7160	2.3127	-	-	1.7760	2.4773	1.9660	3.0357
2000	1.8220	2.6073	-	-	1.8820	2.7818	2.0720	3.3719

* RHH, RHW and RHW-2 without covering have the same dimension as THW.

Wireway Selection

Sample Calculation

A. Wireway dimensions are obtained as follows:

1. List cables by size and types.
2. List cable cross sectional areas.
3. List the number of each size of cable.
4. Multiply cable cross sectional areas by number of each cable.
5. Sum the total cross sectional areas of each cable type to obtain the total cross sectional areas for the conductors.

List Cable Sizes and Types	List Cable Cross Sectional Areas (A) sq. in.	List Number of Cables (N)	Multiply (A) x (N) = Total Cross Sectional Area for Each Size sq. in.
2 AWG-XXHW	0.1182	x 4	= 0.4728
2/0-TW	0.2290	x 2	= 0.4580
750 kcmil-RHH	1.1300	x 2	= 2.2600
Sum of the total cross sectional areas =			3.1908

6. The wireway must first meet the dimensional requirements for the largest conductor. In the example above, the largest conductor is 750 kcmil. The minimum wireway cross section based on the largest conductor size requirements is 8" x 8", as shown in Table I on page 462.
7. The wireway dimensions must meet 20% fill requirements. Based on the sum of the total conductor cross sectional areas (3.19 sq. in.), the minimum wireway cross section, based on the 20% fill requirements is 4" x 4" as shown in Table II on page 462.
8. In this example, the wireway dimensions must be the larger of the two cross sections obtained in steps 6 and 7. In this case, 8" x 8" wireway is required.

Decimal and Metric Equivalents

4ths	8ths	16ths	32nds	64ths	To 3 places	To 2 places	Millimeters
				1/64	.016	.02	0
			1/32	3/64	.031	.03	1
				5/64	.047	.05	1
		1/16		7/64	.062	.06	2
				9/64	.078	.08	2
			3/32	11/64	.094	.09	2
				13/64	.109	.11	3
	1/8			15/64	.125	.12	3
				17/64	.141	.14	4
			5/32	19/64	.156	.16	4
				21/64	.172	.17	4
		3/16		23/64	.188	.19	5
				25/64	.203	.20	5
			7/32	27/64	.219	.22	6
				29/64	.234	.23	6
1/4				31/64	.250	.25	6
				33/64	.266	.27	7
			9/32	35/64	.281	.28	7
				37/64	.297	.30	8
		5/16		39/64	.312	.31	8
				41/64	.328	.33	8
			11/32	43/64	.344	.34	9
				45/64	.359	.36	9
	3/8			47/64	.375	.38	10
				49/64	.391	.39	10
			13/32	51/64	.406	.41	10
				53/64	.422	.42	11
		7/16		55/64	.438	.44	11
				57/64	.453	.45	12
			15/32	59/64	.469	.47	12
				61/64	.484	.48	12
1/2				63/64	.500	.50	13
					.516	.52	13
			17/32		.531	.53	13
				35/64	.547	.55	14
		9/16		37/64	.562	.56	14
				39/64	.578	.58	15
			19/32		.594	.59	15
				41/64	.609	.61	15
	5/8			43/64	.625	.62	16
				45/64	.641	.64	16
			21/32		.656	.66	17
				43/64	.672	.67	17
		11/16		45/64	.688	.69	17
				47/64	.703	.70	18
			23/32		.719	.72	18
				47/64	.734	.73	19
3/4				49/64	.750	.75	19
				51/64	.766	.77	19
			25/32		.781	.78	20
				51/64	.797	.80	20
		13/16		53/64	.812	.81	21
				55/64	.828	.83	21
			27/32		.844	.84	21
				55/64	.859	.86	22
	7/8			57/64	.875	.88	22
				57/64	.891	.89	23
			29/32		.906	.91	23
				59/64	.922	.92	23
		15/16		61/64	.938	.94	24
				61/64	.953	.95	24
			31/32		.969	.97	25
				63/64	.984	.98	25
1					1.000	1.00	25

Metric Conversion Tables

LENGTH

U.S. to Metric

1 inch	=	25.40 millimeters
1 inch	=	2.540 centimeters
1 foot	=	30.480 centimeters
1 foot	=	0.3048 meter
1 yard	=	91.440 centimeters
1 yard	=	0.9144 meter
1 mile	=	1.609 kilometers

Metric to U.S.

1 millimeter	=	0.03937 inch
1 centimeter	=	0.3937 inch
1 meter	=	39.37 inches
1 meter	=	3.2808 feet
1 meter	=	1.0936 yards
1 kilometer	=	0.62137 mile

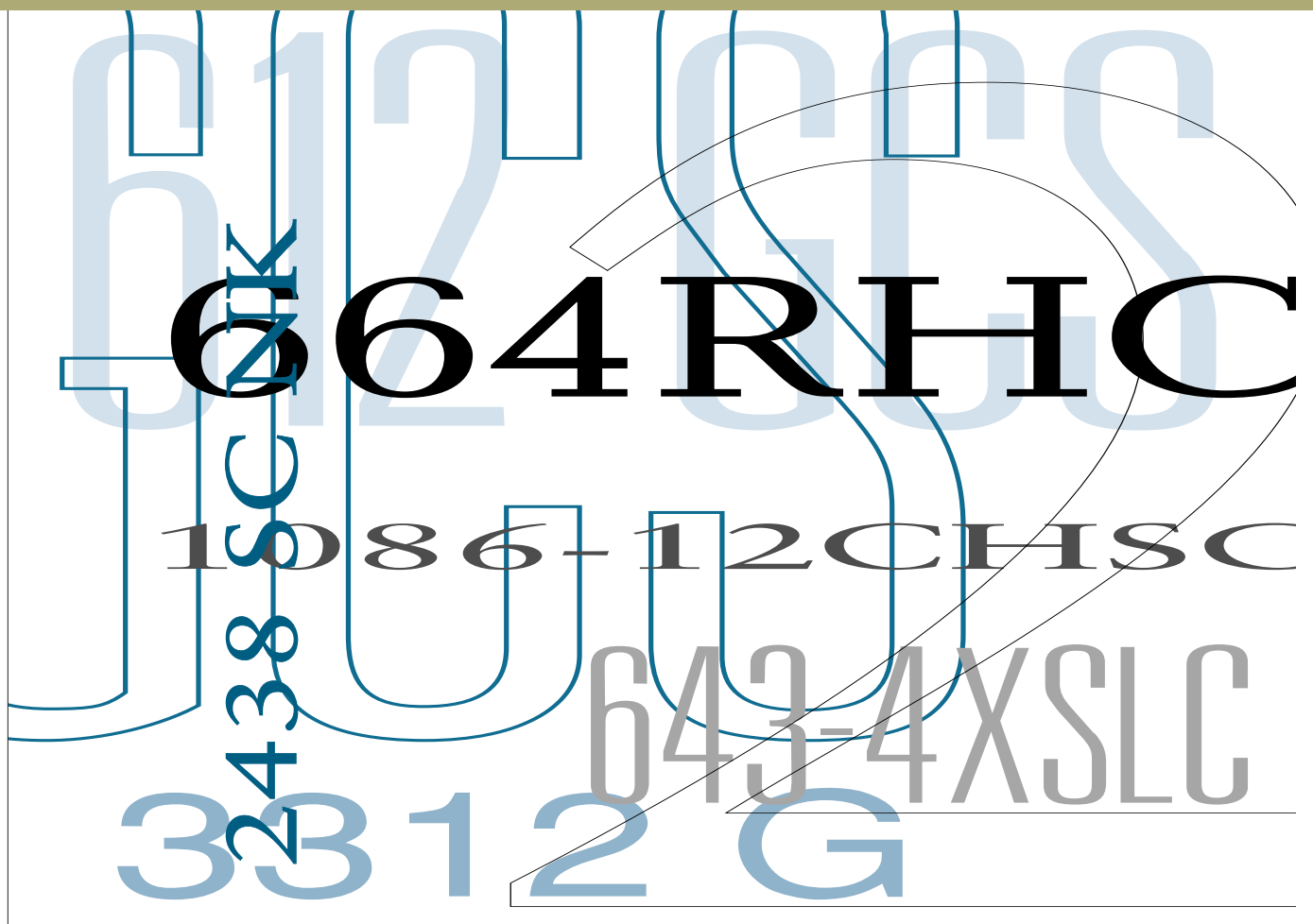
AREA

U.S. to Metric

1 sq. inch	=	645.16 sq. millimeters
1 sq. inch	=	6.4516 sq. centimeters
1 sq. foot	=	929.03 sq. centimeters
1 sq. foot	=	0.0929 sq. meter
1 sq. yard	=	0.836 sq. meter

Metric to U.S.

1 sq. millimeter	=	0.00155 sq. inch
1 sq. centimeter	=	0.1550 sq. inch
1 sq. meter	=	10.7640 sq. feet
1 sq. meter	=	1.196 sq. yards



Index

Product Number Index 468-504

Index

Catalog Number	Page Number	Catalog Number	Page Number	Catalog Number	Page Number
00011184 A	422	1010 TCS	80	10104 RTSCGV NK	57
10TB	436	1010 TGV	14	10104 SC	51
10TS	435	1010 WB	407	10104 SC NK	51
10URMA	157, 213	1010 X	14	10104 SCG	61
10.5 BAP	445	1010 XGV	14	10104 SCGV	51
1010 C	11	1010-12BK	12, 18	10104 SCGV NK	51
1010 E	11	101012 G	10	10104 TCF	80
1010 E NK	11	101012 G NK	10	10104 TCS	80
1010 EGV	11	101012 GGV NK	10	10104 WPSC	63
1010 EGV NK	11	101012 HS	16	10104-1	65
1010 FH	12, 18	101012 HS NK	16	10104-12CHSC	97
1010 FL IN	13	1010120 G	10	10104-12SC	95
1010 FL OUT	13	1010120 G NK	10	101045 HSL COMBO	19
1010 FL SIDE	13	1010120 GGV NK	10	101045 HSL SIDE	19
1010 FTF	11, 17	1010120 GRT NK	43	101045 L COMBO	14
1010 FTFGV	11	1010120 GRTGV NK	43	101045 L COMBOGV	14
1010 GF	11	1010120 HS	16	101045 L SIDE	14
1010 GFGV	11	1010120 HS NK	16	101048 G	10
1010 HSC	17	10101212 FR	12, 17	101048 G NK	10
1010 HSCA	17	101024 G	10	101048 GGV NK	10
1010 HSCU	17	101024 G NK	10	101048 GRT NK	43
1010 HSE	17	101024 GGV NK	10	101048 GRTGV NK	43
1010 HSE NK	17	101024 GRT NK	43	101048 GTGV NK	41
1010 HSF	18	101024 GRTGV NK	43	101048 HS	16
1010 HSL IN	19	101024 HS	16	101048 HS NK	16
1010 HSL OUT	19	101024 HS NK	16	10106 HC	54
1010 HSL SIDE	19	101036 G	10	10106 HC NK	54
1010 HST	20	101036 G NK	10	10106 RTSC	57
1010 HSX	20	101036 GGV	10	10106 RTSC NK	57
1010 L COMBO	13	101036 GRT NK	43	10106 RTSCGV	57
1010 L COMBOGV	13	101036 GRTGV NK	43	10106 RTSCGV NK	57
1010 L SIDE	13	101036 HS	16	10106 SC	52
1010 L SWEEP	13	101036 HS NK	16	10106 SC NK	52
1010 L SWEEPGV	13	10104 HC	54	10106 SCG	61
1010 LTX	12	10104 HC NK	54	10106 SCGV	52
1010 LTXGV	12	10104 RTHC	58	10106 SCGV NK	52
1010 SCF	53	10104 RTHC NK	58	10106 TCF	80
1010 SCS	53	10104 RTSC	57	10106 TCS	80
1010 T	14	10104 RTSC NK	57	10106 WPSC	63
1010 TCF	80	10104 RTSCGV	57	10106-1	65

Catalog Number	Page Number	Catalog Number	Page Number	Catalog Number	Page Number
10106-12CHC	93	10243 A	448	1084-4XFLC	257
10106-12CHSC	97	10243 B	448	1084-4XSCHC	197
10106-12SC	95	10243 C	448	1084-4XSLC	193
10106-4QT	143	10243 D	448	1084-4XSQT	201
101060 G	10	1064 SC NK	51	1084-4XSS6CHC	197
101060 G NK	10	1064 SCGV NK	51	1084-4XSS6LC	193
101060 GGV NK	10	108P	154, 210	1085-4XFCHQRC	261
101060 GRT NK	43	108PSS4	154, 210	1085-4XFCHQRCW	263
101060 GRTGV NK	43	108 SCF	53	1085-4XFCHSC	259
101060 HS	16	108TB	436	1085-4XFLC	257
101060 HS NK	16	108TS	435	1086 HC	54
101072 G	10	1084-FTC	103	1086 HC NK	54
101072 G NK	10	1084 HC	54	1086 RHC	72
101072 GGV NK	10	1084 HC NK	54	1086 RTSC	57
101072 GRT NK	43	1084 RTSC	57	1086 RTSC NK	57
101072 GRTGV NK	43	1084 RTSC NK	57	1086 SC	52
10108 A	448	1084 SC	51	1086 SC NK	52
10108 RTSC	57	1084 SC NK	51	1086 SCGV	52
10108 RTSC NK	57	1084 SCG	61	1086 SCGV NK	52
10108 RTSCGV NK	57	1084 SCGV	51	1086-SD	147
10108 SC NK	52	1084 SCGV NK	51	1086-SDF	265
10108 SCGV NK	52	1084-SD	147	1086-SDFQR	267
10108-12CHC	93	1084-SDSS4	207	1086-SDFQRCC	269
101096 GRT NK	43	1084-SDSS6	208	1086-SDSS4	207
101096 GRTGV NK	43	1084 WPSC	63	1086-SDSS6	208
10118 A	448	1084-1	65	1086-1	65
10119 A	448	1084-12CHC	93	1086-12CHC	93
10129 A	448	1084-12CHCS	93	1086-12CHSC	97
10166 A	448	1084-12CHQRC	99	1086-12SC	95
10167 A	448	1084-12CHSC	97	1086-4CHC	141
10168	403, 404, 448	1084-12LC	91	1086-4QT	143
10169	448	1084-12SC	95	1086-4XSQT	201
10184 A	449	1084-4CHC	141	1144-4XFSC	271
10184 B	449	1084-4LC	139	12DR1P	156, 212
10184 C	449	1084-4QT	143	12DR3P	156, 212
10240 A	448	1084-4XACHC	199	12DRCP	156, 212
10242 A	448	1084-4XALC	195	12GS1	156, 212
10242 B	448	1084-4XFCHQRC	261	12MC	155, 211
10242 C	448	1084-4XFCHQRCW	263	12PMK	159, 215
10242 D	448	1084-4XFCHSC	259	12TB	436

Index

0.381 Catalog Number	Page Number	Catalog Number	Page Number	Catalog Number	Page Number
12TS	435	12106 RHC	72	1212 GF	11
12URMA	157, 213	12106 RTHC	58	1212 GFGV	11
1210P	154, 210	12106 RTHC NK	58	1212 HSC	17
1210PSS4	154, 210	12106 RTSC	57	1212 HSCA	17
1210TB	436	12106 RTSC NK	57	1212 HSCU	17
1210 TCF	80	12106 SC	52	1212 HSE	17
1210 TCS	80	12106 SC NK	52	1212 HSE NK	17
1210TS	435	12106 SCG	61	1212 HSF	18
1210 WB	407	12106 SCGV	52	1212 HSL IN	19
12104 HC	54	12106 SCGV NK	52	1212 HSL OUT	19
12104 HC NK	54	12106-SD	147	1212 HSL SIDE	19
12104 RTSC	57	12106-SDF	265	1212 HST	20
12104 RTSC NK	57	12106-SDFQR	267	1212 HSX	20
12104 SC	51	12106-SDFQRCC	269	1212 L COMBO	13
12104 SC NK	51	12106-SDSS4	207	1212 L COMBOGV	13
12104 SCGV	51	12106-SDSS6	208	1212 L SIDE	13
12104 SCGV NK	51	12106 TCF	80	1212 L SWEEP	13
12104 TCF	80	12106 TCS	80	1212 L SWEEP GV	13
12104 TCS	80	12106-1	65	1212 LTX	12
12104-1	65	12106-12CHC	93	1212 LTXGV	12
12104-12CHSC	97	12106-12CHSC	97	1212P	154, 210
12105-12CHC	93	12106-4QT	143	1212PSS4	154, 210
12105-12CHCS	93	12106-4XACHC	199	1212 SCF	53
12105-12CHQRC	99	12106-4XSCHC	197	1212 SCS	53
12105-12LC	91	12106-4XSS6CHC	197	1212SP	155, 211
12105-12SC	95	12108-12CHC	93	1212 T	14
12105-4CHC	141	12108-4QT	143	1212 TCF	80
12105-4LC	139	12108-4XSQT	201	1212 TCS	80
12105-4QT	143	1212 C	11	1212 TGV	14
12105-4XALC	195	1212DF	155, 211	1212TS	435
12105-4XFCHQRC	261	1212 E	11	1212 WB	407
12105-4XFCHQRCW	263	1212 E NK	11	1212 X	14
12105-4XFCHSC	259	1212 EGV	11	1212 XGV	14
12105-4XFLC	257	1212 EGV NK	11	1212-12BK	12, 18
12105-4XSLC	193	1212 FH	12, 18	1212-12LASD	30
12105-4XSQT	201	1212 FL IN	13	121210 RHC	72
12105-4XSS6LC	193	1212 FL OUT	13	121210 RTSC	57
12105-FTC	103	1212 FL SIDE	13	121210 RTSC NK	57
12106 HC	54	1212 FTF	11, 17	121210 SC NK	53
12106 HC NK	54	1212 FTFGV	11	121210 SCGV NK	53

Catalog Number	Page Number	Catalog Number	Page Number	Catalog Number	Page Number
121212 G	10	12124 SC NK	51	12126-SDW	147
121212 G NK	10	12124 SCG	61	12126-SDWSS4	207
121212 GGV NK	10	12124 SCGV	51	12126 TCF	80
121212 HS	16	12124 SCGV NK	51	12126 TCS	80
121212 HS NK	16	12124 TCF	80	12126 WPSC	63
121212 SC NK	53	12124 TCS	80	12126-1	65
121212 SCGV NK	53	12124 WPSC	63	12126-1PP	70
1212120 G	10	12124-1	65	12126-12CHC	93
1212120 G NK	10	121245 HSL COMBO	19	12126-12CHSC	97
1212120 GGV NK	10	121245 HSL SIDE	19	12126-12SC	95
1212120 GRT NK	43	121245 L COMBO	14	12126-4CHC	141
1212120 GRTGV NK	43	121245 L COMBOGV	14	12126-4QT	143
1212120 HS	16	121245 L SIDE	14	12126-4XACHC	199
1212120 HS NK	16	121248 G	10	12126-4XFCHQRC	261
121224 G	10	121248 G NK	10	12126-4XFCHSC	259
121224 G NK	10	121248 GGV NK	10	12126-4XFLC	257
121224 GGV NK	10	121248 GRT NK	43	12126-4XSCHC	197
121224 GRT NK	43	121248 GRTGV NK	43	12126-4XSQT	201
121224 GRTGV NK	43	121248 GTGV NK	41	12126-4XSS6CHC	197
121224 GTGV NK	41	121248 HS	16	121260 G	10
121224 HS	16	121248 HS NK	16	121260 G NK	10
121224 HS NK	16	12126-FM	151	121260 GGV NK	10
121236 G	10	12126 HC	54	121260 GRT NK	43
121236 G NK	10	12126 HC NK	54	121260 GRTGV NK	43
121236 GGV NK	10	12126 RHC	72	121260 HS	16
121236 GRT NK	43	12126 RTC	81	121260 HS NK	16
121236 GRTGV NK	43	12126 RTHC	58	121272 G	10
121236 GTGV NK	41	12126 RTHC NK	58	121272 G NK	10
121236 HS	16	12126 RTSC	57	121272 GGV NK	10
121236 HS NK	16	12126 RTSC NK	57	121272 GRT NK	43
12124 HC	54	12126 RTSCGV	57	121272 GRTGV NK	43
12124 HC NK	54	12126 RTSCGV NK	57	12128 RTC	81
12124 RTC	81	12126 SC	52	12128 RTHC	58
12124 RTHC	58	12126 SC NK	52	12128 RTHC NK	58
12124 RTHC NK	58	12126 SCG	61	12128 RTSC	57
12124 RTSC	57	12126 SCGV	52	12128 RTSC NK	57
12124 RTSC NK	57	12126 SCGV NK	52	12128 RTSCGV NK	57
12124 RTSCGV	57	12126-SD	147	12128 SC	52
12124 RTSCGV NK	57	12126-SDSS4	207	12128 SC NK	52
12124 SC	51	12126-SDSS6	208	12128 SCG	61

Index

Catalog Number	Page Number	Catalog Number	Page Number	Catalog Number	Page Number
12128 SCGV NK	52	12648-12LW	27	14126-12LC	91
12128 WPSC	63	1266 SC NK	52	14126-12SC	95
12128-1	65	12660-12LW	27	14126-4CHC	141
121296 GRT NK	43	12666-12LR	30	14126-4LC	139
121296 GRTGV NK	43	128 SCF	53	14126-4QT	143
12246-12	106	128 TCF	80	14126-4XACHC	199
12248-12	106	128 TCS	80	14126-4XALC	195
122AMK	159, 215	128 WB	407	14126-4XFCHQRC	261
124AMK	159, 215	1284 HC	54	14126-4XFCHQRCW	263
126-12LAHM	30	1284 HC NK	54	14126-4XFCHSC	259
126-12LAHW	30	1284 RTSC	57	14126-4XFLC	257
126-12LBC	31	1284 RTSC NK	57	14126-4XSCHC	197
126-12LC	30	1284 SC	51	14126-4XSCLC	193
126-12LCF	27	1284 SC NK	51	14126-4XSQT	201
126-12LCP	31	1284 SCGV	51	14126-4XSS6CHC	197
126-12LE15A	29	1284 SCGV NK	51	14126-4XSS6LC	193
126-12LE45A	29	1284 TCF	80	14128-SDF	265
126-12LE45B	29	1284 TCS	80	14128-SDFQR	267
126-12LE45C	29	1286 RTHC	58	14128-SDFQRCC	269
126-12LE9A	28	1286 RTHC NK	58	14128-1	65
126-12LE9B	28	1286 RTSC	57	14128-12CHC	93
126-12LE9C	28	1286 SC NK	52	14128-4QT	143
126-12LN1	28	1286 SCGV NK	52	14128-4XSQT	201
126-12LN2	28	1286 TCF	80	1414148 GRT NK	43
126-12LN3	28	1286 TCS	80	1414148 GRTGV NK	43
126-12LSP	31	1286 WPSC	63	1432-4XFSC	271
126-12LTA	29	14TB	436	1476-4XFCHQRC	261
126-12LTF	27	14TS	435	1476-4XFCHQRCW	263
12604-12LW	27	1412TB	436	1476-4XFCHSC	259
12606-12LW	27	1412TS	435	1476-4XFLC	257
12612-12LW	27	14124-1	65	1486-12CHC	93
126120-12LW	27	14126-FTC	103	1486-4QT	143
12624-12LW	27	14126-SDF	265	15124 RTSC	57
12636-12LW	27	14126-SDFQR	267	15154 SC NK	51
1264 SC	51	14126-SDFQRCC	269	15154 SCGV	51
1264 SC NK	51	14126-1	65	15156 SC NK	52
1264 SCGV NK	51	14126-12CHC	93	15156 SCGV NK	52
1264-12CHC	93	14126-12CHCS	93	16DR1P	156, 212
1264-4QT	143	14126-12CHQRC	99	16DR3P	156, 212
12644-12LR	30	14126-12CHSC	97		

Catalog Number	Page Number	Catalog Number	Page Number	Catalog Number	Page Number
16DRCP	156, 212	16126 SCGV NK	52	16146-4CHC	141
16GS1	156, 212	16126-SD	147	16146-4LC	139
16MC	155, 211	16126-SDSS4	207	16146-4QT	143
16PMK	159, 215	16126-SDSS6	208	16146-4XACHC	199
16S	437	16126-SDW	147	16146-4XALC	195
16TB	436	16126-SDWSS4	207	16146-4XFCHQRC	261
16TS	435	16126 TCF	80	16146-4XFCHQRCW	263
16TS12	437	16126 TCS	80	16146-4XFCHSC	259
16URMA	157, 213	16126 WPSC	63	16146-4XFLC	257
16106-12CHC	93	16126-1	67	16146-4XSCHC	197
16106-4QT	143	16126-12	106	16146-4XSLC	193
1612DF	155, 211	16126-12TE	109	16146-4XSQT	201
1612P	154, 210	16126-4	146	16146-4XSS6CHC	197
1612PSS4	154, 210	16126-4XA	204	16146-4XSS6LC	193
1612SP	155, 211	16126-4XS	203	16148-SDF	265
1612 TCF	80	16126-4XSS6	203	16148-SDFQR	267
1612 TCS	80	16128 SC	52	16148-SDFQRCC	269
1612 WB	407	16128 SC NK	52	16148-12CHC	93
161210-12	107	16128 SCGV NK	52	16148-4QT	143
161210-SD	148	16128-SD	148	1616P	154, 210
161210-SDW	148	16128-SDSS4	207	1616PSS4	154, 210
16124 RTSC	57	16128-SDSS6	208	1616 SCF	53
16124 RTSC NK	57	16128-SDW	148	1616SP	155, 211
16124 SC	51	16128-1	67	161610-SD	148
16124 SC NK	51	16128-12	106	16164 RTSC	57
16124 SCGV	51	16128-4	146	16164 RTSC NK	57
16124 SCGV NK	51	16128-4XA	204	16164 SC	51
16124 TCF	80	16128-4XS	203	16164 SC NK	51
16124 TCS	80	16128-4XSS6	203	16164 SCGV	51
16126-1PP	70	1614TB	436	16166 HC	54
16126-FM	151	1614TS	435	16166 HC NK	54
16126 HC	54	161410-12CHC	93	16166RHC	74
16126 HC NK	54	161410-4QT	143	16166 RTSC	57
16126RHC	74	161410-4XSQT	201	16166 RTSC NK	57
16126 RTSC	57	16146-FTC	103	16166 SC	52
16126 RTSC NK	57	16146-12CHC	93	16166 SC NK	52
16126 SC	52	16146-12CHCS	93	16166 SCG	61
16126 SC NK	52	16146-12CHQRC	99	16166 SCGV	52
16126 SCG	61	16146-12LC	91	16166 SCGV NK	52
16126 SCGV	52	16146-12SC	95	16166-SD	147

Index

Catalog Number	Page Number	Catalog Number	Page Number	Catalog Number	Page Number
16166-SDSS4	207	18124 TCF	80	181810 RTSC NK	57
16166-SDSS6	208	18124 TCS	80	181810 SC	53
16166-1	67	18126 HC	54	181810 SC NK	53
16166-12	106	18126 HC NK	54	181810 SCGV NK	53
16166-4	146	18126 RTC	81	181610-SDF	265
16166-4XA	204	18126 RTHC	58	181610-SDFQR	267
16166-4XS	203	18126 RTHC NK	58	18168-4XFCHQRC	261
16166-4XSS6	203	18126 RTSC	57	18168-4XFCHQRCW	263
16168-SD	148	18126 RTSCGV NK	57	18168-4XFCHSC	259
16168-SDSS4	207	18126 RTSC NK	57	18168-4XFLC	257
16168-SDSS6	208	18126 SC	52	181810 RHC	74
16168-12	106	18126 SC NK	52	181812 SC	53
1620SP	155, 211	18126 SCGV	52	181812 SC NK	53
162010-SD	148	18126 SCGV NK	52	181812 SCGV NK	53
16206-1	67	18126 TCF	80	18184 RTSC	57
16206-12	106	18126 TCS	80	18184 RTSC NK	57
16206-4	146	18126 WPSC	63	18184 SC	51
16206-4XS	203	18128 RTSC	57	18184 SC NK	51
16206-4XSS6	203	18128 RTSC NK	57	18184 SCGV	51
16206-SD	147	18128 SC	52	18184 SCGV NK	51
16208-12	106	18128 SC NK	52	18184 TCF	80
16208-SD	148	18128 SCGV NK	52	18184 TCS	80
16208-SDSS4	207	1815 TCF	80	18184 WPSC	63
16208-SDSS6	208	1815 TCS	80	18186 HC	54
1732-4XFSC	271	1815 WB	407	18186 HC NK	54
1812 SCF	53	18154 SC NK	51	18186 RHC	74
1812 TCF	80	18154 SCGV	51	18186 RTC	81
1812 TCS	80	18154 TCF	80	18186 RTSC	57
1812 WB	407	18154 TCS	80	18186 RTSC NK	57
181210 RTSC	57	18156 SC NK	52	18186 RTSCGV	57
181210 SC	53	18156 SCGV NK	52	18186 RTSCGV NK	57
181210 SC NK	53	18156 TCF	80	18186 SC	52
181210 SCGV NK	53	18156 TCS	80	18186 SC NK	52
18124 HC	54	1818 SCF	53	18186 SCG	61
18124 HC NK	54	1818 SCS	53	18186 SCGV	52
18124 RTSC	57	1818 TCF	80	18186 SCGV NK	52
18124 SC	51	1818 TCS	80	18186 TCF	80
18124 SC NK	51	1818 WB	407	18186 TCS	80
18124 SCGV	51	181810 RHC	74	18186 WPSC	63
18124 SCGV NK	51	181810 RTSC	57	18188 RTC	81

Catalog Number	Page Number	Catalog Number	Page Number	Catalog Number	Page Number
18188 RTHC	58	20166 SCG	61	202012-SDW	148
18188 RTHC NK	58	20166-SD	147	202012-SDWSS4	207
18188 RTSC	57	20166-SDSS4	207	20206-FM	151
18188 RTSC NK	57	20166-SDSS6	208	20206-SD	147
18188 RTSCGV NK	57	20166-SDW	147	20206-SDSS4	207
18188 SC	52	20166-SDWSS4	207	20206-SDSS6	208
18188 SC NK	52	20166-1	67	20206-SDW	147
18188 SCGV NK	52	20166-1PP	70	20206-SDWSS4	207
18188 WPSC	63	20166-12	106	20206-1	67
18249 RTCT	84	20166-12TE	109	20206-12	106
19URMA	157, 213	20166-4	146	20206-12TE	109
20DR1P	156, 212	20166-4XA	204	20206-4	146
20DR3P	156, 212	20166-4XS	203	20206-4XA	204
20DRCP	156, 212	20166-4XSS6	203	20206-4XS	203
20GS1	156, 212	20167-12CHSC	101	20206-4XSS6	203
20MC	155, 211	20168-SD	148	20207-12CHSC	101
20PMK	159, 215	20168-SDSS4	207	20208RHC	74
20S	437	20168-SDSS6	208	20208 SCG	61
20TS16	437	20168-SDW	148	20208-SD	148
20TS20	437	20168-SDWSS4	207	20208-SDSS4	207
20126-1	65	20168-1	67	20208-SDSS6	208
20126-12	106	20168-12	106	20208-SDW	148
20128-12	106	20168-4	146	20208-SDWSS4	207
2016DF	155, 211	20168-4XA	204	20208-1	67
2016P	154, 210	20168-4XFCHQRC	261	20208-12	106
2016PSS4	154, 210	20168-4XFCHQRCW	263	20208-4	146
2016SP	155, 211	20168-4XFCHSC	259	20208-4XS	203
201610-12	107	20168-4XFLC	257	20208-4XSS6	203
201610-4	146	20168-4XS	203	2024SP	155, 211
201610-4XA	205	20168-4XSS6	203	202410-SD	148
201610-4XS	203	2020DF	155, 211	20246-12	106
201610-4XSS6	203	2020P	154, 210	20248-SD	148
201610-SD	148	2020PSS4	154, 210	20248-1	67
201610-SDF	265	2020SP	155, 211	20248-12	106
201610-SDFQR	267	202010-12	107	20248-4	146
201610-SDW	148	202010-SD	148	20248-4XS	203
201612-12	107	202010-SDW	148	20248-4XSS6	203
201612-4XF	277	202012-SD	148	203611 HRTCT	87
20166-FM	151	202012-SDSS4	207	22 C	11
20166RHC	74	202012-SDSS6	208	22 E	11

Index

Catalog Number	Page Number	Catalog Number	Page Number	Catalog Number	Page Number
22 E NK	11	22-12LE15A	29	2224 HS NK	16
22 EGV	11	22-12LE45A	29	2224-12LW	27
22 EGV NK	11	22-12LE45B	29	2233 FR	12, 17
22 FH	12, 18	22-12LE45C	29	2236 G	9
22 FTF	11, 17	22-12LE9A	28	2236 G NK	9
22 FTFGV	11	22-12LE9AC	28	2236 GGV	9
22 GF	11	22-12LE9B	28	2236 GGV NK	9
22 GFGV	11	22-12LE9C	28	2236 HS	16
22 HSC	17	22-12LE9TC	28	2236 HS NK	16
22 HSCA	17	22-12LE9TCC	28	2236-12LW	27
22 HSCU	17	22-12LJB	30	2245 HSL COMBO	19
22 HSE	17	22-12LN1	28	2245 HSL SIDE	19
22 HSE NK	17	22-12LN2	28	2245 L COMBO	14
22 HSF	18	22-12LN3	28	2245 L COMBOGV	14
22 HSL IN	19	22-12LSP	31	2245 L SIDE	14
22 HSL OUT	19	22-12LTA	29	2248 G	9
22 HSL SIDE	19	22-12LTC	29	2248 G NK	9
22 HST	20	22-12LTF	27	2248 GGV NK	9
22 HSX	20	22-12LTSC	27	2248 HS	16
22 L COMBO	13	22-12LTSCC	27	2248 HS NK	16
22 L COMBOGV	13	2204-12LW	27	2248-12LW	27
22 L SIDE	13	2206-12LW	27	2260 G	9
22 L SWEEP	13	2212 G	9	2260 G NK	9
22 L SWEEPGV	13	2212 G NK	9	2260 GGV	9
22 LTX	12	2212 GGV NK	9	2260 GGV NK	9
22 LTXGV	12	2212 HS	16	2260 HS	16
22 T	14	2212 HS NK	16	2260 HS NK	16
22 TGV	14	2212-12LW	27	2260-12LW	27
22 X	14	22120 G	9	2272 HS	16
22 XGV	14	22120 G NK	9	2272 HS NK	16
22-12BK	12, 18, 31	22120 GGV	9	24DR1P	156, 212
22-12LAHM	30	22120 GGV NK	9	24DR3P	156, 212
22-12LAHW	30	22120 HS	16	24DRCP	156, 212
22-12LASD	30	22120 HS NK	16	24GS1	156, 212
22-12LBC	31	22120-12LW	27	24MC	155, 211
22-12LBH	31	2224 G	9	24PMK	159, 215
22-12LC	30	2224 G NK	9	24S	437
22-12LCF	27	2224 GGV	9	24TS20	367, 437
22-12LCP	31	2224 GGV NK	9	24TS24	367, 437
22-12LDH	31	2224 HS	16	2412 TCF	80

Catalog Number	Page Number	Catalog Number	Page Number	Catalog Number	Page Number
2412 TCS	80	24168 RTSC	57	24188 RTSC NK	57
2412 WB	407	24168 RTSC NK	57	24188 SC	52
241210 SC NK	53	24168-SD	148	24188 SC NK	52
241210 SCGV NK	53	24168-SDSS4	207	24188 SCGV NK	52
241210-12	107	24168-SDSS6	208	2420DF	155, 211
241210-4XF	277	24168-12	106	2420P	154, 210
241212 SC	53	24168-4XA	204	2420PSS4	154, 210
241212 SC NK	53	24168-4XS	203	2420SP	155, 211
241212 SCGV NK	53	24168-4XSS6	203	242010-1	67
24124 SC	51	2418 SCF	53	242010-12	107
24124 SC NK	51	2418 TCF	80	242010-4	146
24124 SCGV	51	2418 TCS	80	242010-4XA	205
24124 TCF	80	2418 WB	407	242010-4XS	203
24124 TCS	80	241810 RTSC	57	242010-4XS3PT	216
24126 RTC	81	241810 RTSC NK	57	242010-4XSS6	203
24126 RTSC	57	241810 SC	53	242010-4XSS63PT	216
24126 RTSC NK	57	241810 SC NK	53	242010-43PT	160
24126 SC NK	52	241810 SCGV NK	53	242010-SD	148
24126 SCGV NK	52	241812 SC	53	242010-SDW	148
24126 TCF	80	241812 SC NK	53	242012-1	67
24126 TCS	80	241812 SCGV NK	53	242012-12	107
24126-12	106	24184 SC NK	51	242012-SD	148
24126-4	146	24184 SCGV	51	242012-SDW	148
24126-4XF	277	24184 TCF	80	242016-12	107
24126-4XS	203	24184 TCS	80	24206 SC NK	52
24126-4XSS6	203	24186 HC	54	24206 SCGV NK	52
24128 SC	52	24186 HC NK	54	24206-SD	147
24128 SC NK	52	24186 RTC	81	24206-SDW	147
24128 SCGV NK	52	24186 RTSC	57	24206-1	67
24128-12	106	24186 RTSC NK	57	24206-1PP	70
2416P	154, 210	24186 SC	52	24206-12	106
2416PSS4	154, 210	24186 SC NK	52	24206-12TE	109
2416SP	155, 214	24186 SCGV	52	24206-4	146
241610-SD	148	24186 SCGV NK	52	24206-4XA	204
24166-1	67	24186 TCF	80	24206-4XS	203
24166-12	106	24186 TCS	80	24206-4XS3PT	216
24166-4	146	24186 WPSC	63	24206-4XSS6	203
24166-4XS	203	24188 RTHC	58	24206-4XSS63PT	216
24166-4XSS6	203	24188 RTHC NK	58	24206-43PT	160
24166-SD	147	24188 RTSC	57	24207-12CHSC	101

Index

Catalog Number	Page Number	Catalog Number	Page Number	Catalog Number	Page Number
24208-FM	151	242410-SD	148	24246 HC	54
24208RHC	74	242410-SDW	148	24246 HC NK	54
24208 SC NK	52	242410-12	107	24246 RTC	81
24208 SCG	61	242410-4D3PT	162	24246 RTSC	57
24208 SCGV NK	52	242410-4XF	277	24246 RTSC NK	57
24208-SD	148	242410-RHCF	275	24246 RTSCGV NK	57
24208-SDSS4	207	242411 RTCT	84	24246 SC	52
24208-SDSS6	208	242412 RTSC	57	24246 SC NK	52
24208-SDW	148	242412 RTSC NK	57	24246 SCG	61
24208-SDWSS4	207	242412 RTSCGV NK	57	24246 SCGV	52
24208-1	67	242412 SC	53	24246 SCGV NK	52
24208-12	106	242412 SC NK	53	24246-SD	147
24208-4	146	242412 SCG	61	24246-SDW	147
24208-4XA	204	242412 SCGV NK	53	24246 TCF	80
24208-4XF	277	242412-1	67	24246 TCS	80
24208-4XS	203	242412-12	107	24246 WPSC	63
24208-4XS3PT	216	242412-4XA	205	24246-1	67
24208-4XSS6	203	242412-4XF	277	24246-12	106
24208-4XSS63PT	216	242412-4XS	203	24246-12TE	109
24208-43PT	160	242412-4XSS6	203	24246-4	146
24209-12CHSC	101	242412-SD	148	24246-4XS	203
2424DF	155, 211	242412-SDSS4	207	24246-4XSS6	203
2424P	154, 210	242412-SDSS6	208	24248-FM	151
2424PSS4	154, 210	242412-SDW	148	24248RHC	74
2424 SCF	53	242412-4XS3PT	217	24248 RTC	81
2424 SCS	53	242412-4XSS63PT	217	24248 RTHC	58
2424SF	157, 213	242412-43PT	161	24248 RTHC NK	58
2424SP	155, 211	242416-12	107	24248 RTSC	57
2424 TCF	80	242416-SD	148	24248 RTSC NK	57
2424 TCS	80	242416-SDW	148	24248 RTSCGV NK	57
2424 WB	407	242420-SD	148	24248 SC	52
242410 RHC	74	242420-SDW	148	24248 SC NK	52
242410 RTHC	58	24244 RTSC	57	24248 SCG	61
242410 RTHC NK	58	24244 RTSC NK	57	24248 SCGV NK	52
242410 RTSC	57	24244 SC	51	24248-SD	148
242410 RTSC NK	57	24244 SC NK	51	24248-SDSS4	207
242410 RTSCGV NK	57	24244 SCGV	51	24248-SDSS6	208
242410 SC	53	24244 SCGV NK	51	24248-SDW	148
242410 SC NK	53	24244 TCF	80	24248-SDWSS4	207
242410 SCGV NK	53	24244 TCS	80	24248 WPSC	63

Catalog Number	Page Number	Catalog Number	Page Number	Catalog Number	Page Number
24248-1	67	25352 A	413	30206-1	67
24248-12	106	25421 A	418	30206-12	106
24248-4	146	26URMA	157, 213	30206-12TE	109
24248-4XA	204	3MDBLK	158, 214, 414	30206-4	146
24248-4XS	203	3MD1BLK	414	30206-4XF	277
24248-4XS3PT	216	3MT4DBLKB	417	30207-12CHSC	101
24248-4XSS6	203	30GS1	156, 212	30208-RHCF	275
24248-4XSS63PT	216	30MC	155, 211	30208-SD	148
24248-43PT	160	30PMK	159, 215	30208-1	67
243010-SD	148	30S	437	30208-12	106
243011 HRTCT	87	30TS20	437	30208-4	146
243011 RTCT	84	30TS24	437	30208-4XA	204
24308-12	106	3015 TCF	80	30208-4XF	277
24308-4	146	3015 TCS	80	30208-4XS	203
24308-4XA	204	3015 WB	407	30208-4XSS6	203
24308-4XS	203	30154 TCF	80	30209-12CHSC	101
24308-4XSS6	203	30154 TCS	80	3024DF	155, 211
24308-SD	148	30156 TCF	80	3024P	154, 210
24329 RTCT	84	30156 TCS	80	3024PSS4	154,210
243611 RTCT	84	30166-12	106	3024SF	157, 213
24428-12D	110	3018 TCF	80	3024SP	155, 211
24428-4XSD3PT	218	3018 TCS	80	3024 TCF	80
24428-TD	153	3018 WB	407	3024 TCS	80
2442P	154, 210	30184 SC NK	51	3024 WB	407
2442PSS4	154, 210	30184 SCGV	51	302410 RHC	74
244811 HRTCT	87	30184 SCGV NK	51	302410-RHCF	275
244811 RTCT	84	30184 TCF	80	302410 RTSC	57
24488-12D	110	30184 TCS	80	302410 RTSC NK	57
24488-4XSD3PT	218	30186 SC NK	52	302410 SC NK	53
25012A	368, 438	30186 SCGV NK	52	302410 SCGV NK	53
25092 A (B)	415	30186 TCF	80	302410-SD	148
25228 A (B, C, D)	421	30186 TCS	80	302410-SDW	148
25270 A	415	3020P	154, 210	302410 WPSC	63
25277 A	415	3020PSS4	154, 210	302410-1	67
25278 A	415	3020SP	155, 211	302410-12	107
25288 A	415	302010-RHCF	275	302410-4	146
25289 A	415	302010-SD	148	302410-4XF	277
25345 A	420	302010-12	107	302410-4XS	203
25350 A	418	302010-4XF	277	302410-4XSS6	203
25351 A	413	302012-4XF	277	302412-RHCF	275

Index

Catalog Number	Page Number	Catalog Number	Page Number	Catalog Number	Page Number
302412 RTSC	57	30246 TCF	80	303010-SD	148
302412 RTSC NK	57	30246 TCS	80	303011 RTCT	84
302412 SC	53	30246-1	67	303012RHC	74
302412 SC NK	53	30246-12	106	303012 RTSCGV NK	57
302412 SCGV NK	53	30246-12TE	109	303012 SC NK	53
302412-SD	148	30246-4	146	303012 SCG	61
302412-SDSS4	207	30246-4XS	203	303012 SCGV NK	53
302412-SDSS6	208	30246-4XSS6	203	303012-SD	148
302412-SDW	148	30247-12CHSC	101	303012-12	107
302412-SDWSS4	207	30248-FM	151	303016 RHC	74
302412-1	67	30248RHC	74	303016 SC NK	53
302412-12	107	30248 SC	52	30304 SC NK	51
302412-4	146	30248 SC NK	52	30304 SCGV NK	51
302412-4XA	205	30248 SCGV	52	30304 TCF NK	80
302412-4XF	277	30248 SCGV NK	52	30304 TCS NK	80
302412-4XS	203	30248-SD	148	30306 SC NK	52
302412-4XS3PT	217	30248-SDSS4	207	30306 SCGV NK	52
302412-4XSS6	203	30248-SDSS6	208	30306 TCF NK	80
302412-4XSS63PT	217	30248-SDW	148	30306 TCS NK	80
302412-43PT	161	30248-SDWSS4	207	30308 RHC	74
302416-12	107	30248-1	67	30308 SC NK	52
302416-4XS	203	30248-12	106	30308 SCGV NK	52
302416-4XSS6	203	30248-4	146	30308-SD	148
302420-SD	148	30248-4XA	204	30308-SDSS4	207
302420-SDW	148	30248-4XF	277	30308-SDSS6	208
302420-12	107	30248-4XS	203	30308-1	67
302424-12	107	30248-4XS3PT	216	30308-12	106
30244 SC	51	30248-4XSS6	203	30308-4	146
30244 SC NK	51	30248-4XSS63PT	216	30308-4XA	204
30244 SCGV	51	30248-43PT	160	30308-4XS	203
30244 SCGV NK	51	30249-12CHSC	101	30308-4XS3PT	216
30244 TCF	80	3030P	154, 210	30308-4XSS6	203
30244 TCS	80	3030PSS4	154, 210	30308-4XSS63PT	216
30246 HC	54	3030SP	155, 211	30308-43PT	160
30246 HC NK	54	3030 TCF	80	303611 HRTCT	87
30246 RTC	81	3030 TCS	80	303611 RTCT	84
30246 SC	52	3030 WB	407	303612-4XSS63PT	217
30246 SC NK	52	303010 RTSC NK	57	303614 RTCT	84
30246 SCGV	52	303010 SC NK	53	303616DRHC	76
30246 SCGV NK	52	303010 SCGV NK	53	30368-12	106

Catalog Number	Page Number	Catalog Number	Page Number	Catalog Number	Page Number
304210-12D	110	3336 G NK	9	36244 TCS	80
304210-4D3PT	162	3344 FR	12, 17	36246 HC	54
304210-4XSD3PT	218	3345 L COMBO	14	36246 HC NK	54
304212DRHC	76	3345 L SIDE	14	36246 RTC	81
3048P	154, 210	3348 G NK	9	36246 SC	52
3048PSS4	154, 210	3360 G NK	9	36246 SC NK	52
304810-12D	110	3372 G NK	9	36246 SCGV	52
304810-4D3PT	162	36GS3	156, 212	36246 SCGV NK	52
304810-4XSD3PT	218	36MC	155, 211	36246 TCF	80
304811 HRTCT	87	36S	437	36246 TCS	80
30488-TD	153	36TS24	437	36246-1	67
3060P	154, 210	36TS30	437	36246-1PP	70
3060PSS4	154, 210	3624P	154, 210	36246-12	106
306010-12D	110	3624PSS4	154, 210	36246-12TE	109
306010-4D3PT	162	3624SF	157, 213	36246-4	146
306010-4XSD3PT	218	3624SP	155, 211	36246-4XS	203
306012-TD	153	3624 TCF	80	36246-4XSS6	203
32170	158, 214, 412	3624 TCS	80	36247-12CHSC	101
32171	158, 214, 412	3624 WB	407	36248 HC	54
32172	412	362410 RTHC	58	36248 HC NK	54
33 C	11	362410 RTHC NK	58	36248 SC	52
33 E	11	362410 SC NK	53	36248 SC NK	52
33 E NK	11	362410 SCGV NK	53	36248 SCGV NK	52
33 FH	12	362410-SD	148	36248-SD	148
33 FL IN	13	362410-12	107	36248-SDSS4	207
33 FL OUT	13	362410-4XA	205	36248-SDSS6	208
33 FL SIDE	13	362410-4XS	203	36248-1	67
33 FTF	11, 17	362410-4XSS6	203	36248-12	106
33 GF	11	362412RHC	74	36248-4	146
33 L COMBO	13	362412 RTSC	57	36248-4XA	204
33 L SIDE	13	362412 RTSC NK	57	36248-4XS	203
33 L SWEEP	13	362412 SC	53	36248-4XS3PT	216
33 LTX	12	362412 SC NK	53	36248-4XSS6	203
33 T	14	362412 SCGV NK	53	36248-4XSS63PT	216
33 X	14	362412-SD	148	36248-43PT	160
33-12BK	12, 18	362412-SDSS4	207	36249-12CHSC	101
332-4XFSC	271	362412-SDSS6	208	3630P	154, 210
3312 G NK	9	362412-12	107	3630PSS4	154, 210
33120 G NK	9	362416-4XA	205	3630SP	155, 211
3324 G NK	9	36244 TCF	80	3630 TCF	80

Index

Catalog Number	Page Number	Catalog Number	Page Number	Catalog Number	Page Number
3630 TCS	80	36304 TCS NK	80	363612 SC NK	53
3630 WB	407	36306 SC NK	52	363612 SCG	61
363010-RHCF	275	36306 SCGV NK	52	363612 SCGV NK	53
363010-SD	148	36306 TCF NK	80	363612-SD	148
363010-12	107	36306 TCS NK	80	363612-SDSS4	207
363010-4	146	36306-1	67	363612-SDSS6	208
363010-4XA	205	36306-1PP	70	363612-12	107
363010-4XF	277	36306-12	106	363612-4XS	203
363010-4XS	203	36308-RHCF	275	363612-4XS3PT	217
363010-4XS3PT	216	36308 SC NK	52	363612-4XSS6	203
363010-4XSS6	203	36308 SCGV NK	52	363612-4XSS63PT	217
363010-4XSS63PT	216	36308-SD	148	363612-43PT	161
363010-43PT	160	36308-SDSS4	207	363616 SC NK	53
363012RHC	74	36308-SDSS6	208	363616 SCGV NK	53
363012-RHCF	275	36308-1	67	36364 TCF NK	80
363012 RTHC NK	58	36308-12	106	36364 TCS NK	80
363012 RTSC NK	57	36308-12TE	109	36366 SC NK	52
363012-SD	148	36308-4	146	36366 SCGV NK	52
363012-SDSS4	207	36308-4XA	204	36366 TCF NK	80
363012-SDSS6	208	36308-4XF	277	36366 TCS NK	80
363012-1	67	36308-4XS	203	36368 RTSC	57
363012-12	107	36308-4XS3PT	216	36368 RTSC NK	57
363012-4	146	36308-4XSS6	203	36368-SD	148
363012-4XA	205	36308-4XSS63PT	216	36368-12	106
363012-4XF	277	36308-43PT	160	364211 RTCT	84
363012-4XS	203	3636P	154, 210	364212-12D	110
363012-4XS3PT	217	3636PSS4	154, 210	364212-4XSD3PT	218
363012-4XSS6	203	3636SP	155, 211	364216DRHC	76
363012-4XSS63PT	217	3636 TCF	80	364811 HRTCT	87
363012-43PT	161	3636 TCS	80	364811 RTCT	84
363016-SD	148	3636 WB	407	364812DRHC	76
363016-12	107	363610 RHC	74	364812-TD	153
363016-4	146	363610 SC NK	53	364812-12D	110
363016-4XA	205	363610 SCGV NK	53	364812-4D3PT	162
363016-4XS	203	363610-SD	148	364812-4XFD	279
363016-4XSS6	203	363611 HRTCT	87	364812-4XSD3PT	218
363016-43PT	161	363611 RTCT	84	364814 RTCT	84
363020-SD	148	363612RHC	74	366012-12D	110
363020-12	107	363612 RTSC NK	57	366012-TD	153
36304 TCF NK	80	363612 RTSCGV NK	57	366012-4D3PT	162

Catalog Number	Page Number	Catalog Number	Page Number	Catalog Number	Page Number
366012-4XSD3PT	218	42368-4XS	203	44 LTXGV	12
4MT4HXLKBM	417	42368-4XSS6	203	44 SCF	53
42GS3	156, 212	42369-1	69	44 T	14
42MC	155, 211	424211 RTCT	84	44 TGV	14
42S	437	424212-12D	110	44 X	14
42TS30	437	424212-4XSD3PT	218	44 XGV	14
42248-1	67	424812-12D	110	44-12BH	35
42248-12	106	424812-4XSD3PT	218	44-12BK	12, 18, 24, 31, 34, 38
4230P	154, 210	426012-12D	110	44-12DH	35
4230PSS4	154, 210	426012-4XSD3PT	218	44-12FBC	34
423010-12	107	44 C	11	44-12FC	35
423010-4XA	205	44 E	11	44-12FCF	34
423010-4XS	203	44 E NK	11	44-12FCP	34
423010-4XS3PT	216	44 EGV	11	44-12FE45	35
423010-4XSS6	203	44 EGV NK	11	44-12FE9	35
423012-12	107	44 FH	12, 18	44-12FFF	35
423012RHC	74	44 FL IN	13	44-12FGK	34
423013-1	69	44 FL OUT	13	44-12FN1	34
42308-12	106	44 FL SIDE	13	44-12FN2	34
42308-12TE	109	44 FTF	11, 17	44-12FN3	34
42308-4	146	44 FTFGV	11	44-12FN6	34
42308-4XS	203	44 GF	11	44-12FT	35
42308-4XSS6	203	44 GFGV	11	44-12FTF	33
42309-1	69	44 HSC	17	44-12LAFW	30
4236P	154, 210	44 HSCA	17	44-12LAHM	30
4236PSS4	154, 210	44 HSCU	17	44-12LAHW	30
423610-SD	148	44 HSE	17	44-12LASD	30
423610-12	107	44 HSE NK	17	44-12LBC	31
423612RHC	74	44 HSF	18	44-12LBH	31
423612-SD	148	44 HSL IN	19	44-12LC	30
423612-SDSS4	207	44 HSL OUT	19	44-12LCF	27
423612-SDSS6	208	44 HSL SIDE	19	44-12LCP	31
423612-12	107	44 HST	20	44-12LDH	31
423612-4XS3PT	217	44 HSX	20	44-12LE15A	29
423612-4XSS63PT	217	44 L COMBO	13	44-12LE45A	29
423613-1	69	44 L COMBOGV	13	44-12LE45B	29
423616-12	107	44 L SIDE	13	44-12LE45C	29
42368-12	106	44 L SWEEP	13	44-12LE9A	28
42368-4	146	44 L SWEEPGV	13	44-12LE9AC	28
42368-4XA	204	44 LTX	12	44-12LE9B	28

Index

Catalog Number	Page Number	Catalog Number	Page Number	Catalog Number	Page Number
44-12LE9C	28	44-4XSFN1	38	4418 GGV NK	9
44-12LE9TC	28	44-4XSFN2	38	4418 GRT	43
44-12LE9TCC	28	44-4XSFN3	38	4418 GRT NK	43
44-12LJB	30	44-4XSFN6	38	4418-12WT	45
44-12LN1	28	44-4XSFT	39	4418-4XSWT	47
44-12LN2	28	44-4XSFTF	37	4422-12LR	30
44-12LN3	28	4404-12LW	27	4424 G	9
44-12LSP	31	4406-12LW	27	4424 G NK	9
44-12LTA	29	4412 G	9	4424 GGV	9
44-12LTC	29	4412 G NK	9	4424 GGV NK	9
44-12LTF	27	4412 GGV	9	4424 GRT	43
44-12LTSC	27	4412 GGV NK	9	4424 GRT NK	43
44-12LTSCC	27	4412 GRT	43	4424 GRTGV NK	43
44-3RAHSC	22	4412 GRT NK	43	4424 GTGV NK	41
44-3RAHSE NK	23	4412 GRTGV NK	43	4424 HS	16
44-3RAHSF	23	4412 GTGV NK	41	4424 HS NK	16
44-3RAHSL SIDE	23	4412 HS	16	4424-12FW	33
44-3RAHST	23	4412 HS NK	16	4424-12LW	27
44-3RAHSXJ	24	4412-12FW	33	4424-12WT	45
44-3RAHSXS	24	4412-12LW	27	4424-4XSFW	37
44-3RASCX	23	4412-12WT	45	4424-4XSWT	47
44-3RBKA	24	4412-3RHS NK	22	443 SC	51
44-3RHSC	22	4412-3RAHS NK	22	443 SC NK	51
44-3RHSE NK	23	4412-4XSFW	37	443 SCGV	51
44-3RHSF	23	4412-4XSWT	47	443 SCGV NK	51
44-3RHSL SIDE	23	44120 G	9	443-12CHC	93
44-3RHST	23	44120 G NK	9	443-12LC	91
44-3RHSXJ	24	44120 GGV	9	443-12SC	95
44-3RHSXS	24	44120 GGV NK	9	443-4CHC	141
44-3RSCX	23	44120 GRT NK	43	443-4LC	139
44-4XSBH	39	44120 GRTGV NK	43	443-4QT	143
44-4XSDH	39	44120 HS	16	443-4XALC	195
44-4XSFBC	38	44120 HS NK	16	443-4XSLC	193
44-4XSFC	39	44120-3RHS NK	22	443-4XSS6LC	193
44-4XSFCF	38	44120-3RAHS NK	22	4430-12WT	45
44-4XSFCP	38	44120-12FW	33	4430-4XSWT	47
44-4XSFE45	39	44120-12LW	27	4436 G	9
44-4XSFE9	39	44120-4XSFW	37	4436 G NK	9
44-4XSFFF	39	4418 G	9	4436 GGV	9
44-4XSFGK	38	4418 G NK	9	4436 GGV NK	9

Catalog Number	Page Number	Catalog Number	Page Number	Catalog Number	Page Number
4436 GRT	43	4448-12LW	27	4700-CC2	432
4436 GRT NK	43	4448-12WT	45	48GS3	155, 212
4436 GRTGV NK	43	4448-4XSFW	37	48MC	155, 210
4436 GTGV NK	41	4448-4XSWT	47	48S	437
4436 HS	16	4460 G	9	48TS36	437
4436 HS NK	16	4460 G NK	9	4824P	154, 210
4436-12FW	33	4460 GGV	9	4824PSS4	154, 210
4436-12LW	27	4460 GGV NK	9	4824 TCF	80
4436-12WT	45	4460 GRT	43	4824 TCS	80
4436-4XSFW	37	4460 GRT NK	43	4824 WB	407
4436-4XSWT	47	4460 GRTGV NK	43	482410-SD	148
444 RTSC	57	4460 GTGV NK	41	482412-SD	148
444 RTSC NK	57	4460 HS	16	48244 TCF	80
444 RTSCGV	57	4460 HS NK	16	48244 TCS	80
444 SC	51	4460-3RHS NK	22	48246 TCF	80
444 SC NK	51	4460-3RAHS NK	22	48246 TCS	80
444 SCG	61	4460-12FW	33	48248-12	106
444 SCGV	51	4460-12LW	27	483010-12	107
444 SCGV NK	51	4460-12WT	45	483010-4	146
444 WPSC	63	4460-4XSFW	37	483010-4XS	203
444-12CHC	93	4460-4XSWT	47	483010-4XSS6	203
444-12LC	91	4466 FR	12, 17	48308-12	106
444-12SC	95	4466-3RASCR	24	4836P	154, 210
444-4QT	143	4466-3RSCR	24	4836PSS4	154, 210
4445 HSL COMBO	19	4472 G	9	4836 TCF	80
4445 HSL SIDE	19	4472 G NK	9	4836 TCS	80
4445 L COMBO	14	4472 GGV	9	4836 WB	407
4445 L COMBOGV	14	4472 GGV NK	9	483610-SD	148
4445 L SIDE	14	4472 GRT	43	483610-12	107
4448 G	9	4472 GRT NK	43	483610-4	146
4448 G NK	9	4472 GRTGV NK	43	483610-4XS	203
4448 GGV	9	4472 GTGV NK	41	483610-4XS3PT	216
4448 GGV NK	9	4472 HS	16	483610-4XSS6	203
4448 GRT	43	4472 HS NK	16	483610-4XSS63PT	216
4448 GRT NK	43	4472-12WT	45	483610-43PT	160
4448 GRTGV NK	43	4472-4XSWT	47	483611-1	69
4448 GTGV NK	41	4488-3RASCR	24	483612RHC	74
4448 HS	16	4488-3RSCR	24	483612-RHCF	275
4448 HS NK	16	4496 GRT NK	43	483612-SD	148
4448-12FW	33	4700-CC	432	483612-SDSS4	207

Index

Catalog Number	Page Number	Catalog Number	Page Number	Catalog Number	Page Number
483612-SDSS6	208	48369-1	69	603612-4XA	205
483612-12	107	4848 TCF	80	603612-4XF	277
483612-4	146	4848 TCS	80	603612-4XS	203
483612-4XA	205	4848 WB	407	603612-4XS3PT	217
483612-4XF	277	484811 RTCT	84	603612-4XSS6	203
483612-4XS	203	484812-12D	110	603612-4XSS63PT	217
483612-4XS3PT	217	484812-4XSD3PT	218	603612-43PT	161
483612-4XSS6	203	484812 SC NK	53	603616-12	107
483612-4XSS63PT	217	484812 SCGV NK	53	603616-4	146
483612-43PT	161	484816 SC NK	53	603616-4XF	277
483613-1	69	484816 SCGV NK	53	603616-4XS	203
483616 RHC	74	48484 TCF NK	80	603616-4XS3PT	217
483616-RHCF	275	48484 TCS NK	80	603616-4XSS6	203
483616-SD	148	48486 SC NK	52	603616-4XSS63PT	217
483616-12	107	48486 SCGV NK	52	603620-12	107
483616-4	146	48486 TCF NK	80	603624-12FS	115
483616-4XA	205	48486 TCS NK	80	603624-4FS3PT	175
483616-4XF	277	532-4XFSC	271	603624-4XSFS3PT	233
483616-4XS	203	54428-12FD	112	60368-12	106
483616-4XS3PT	217	6MT4SLKBM	417	60368-12TE	109
483616-4XSS6	203	6.5MT4TLKBM	417	60368-4	146
483616-4XSS63PT	217	60GS3	156, 212	604810-12FD	112
483616-43PT	161	60MC	155, 211	604812-12FD	112
483617-1	69	60S	437	604812-4FDQT	166
483620-12	107	60TS36	437	604812-4XSFDQT	224
48364 TCF NK	80	602418-12FS	115	604816-12FD	112
48364 TCS NK	80	602418-4FS3PT	175	604818-12FSD	118
48366 SC NK	52	602418-4XSFS3PT	233	604818-4XSFDQT	224
48366 SCGV NK	52	6036P	154, 210	604818-4XSFS3PT	237
48366 TCF NK	80	6036PSS4	154, 210	604820-12FD	112
48366 TCS NK	80	603610-SD	148	604824-12FD	112
48368-12	106	603610-12	107	60488-12FD	112
48368-12TE	109	603610-4	146	606010-12FD	112
48368-4	146	603610-4XS	203	606012-12FD	112
48368-4XA	204	603610-4XSS6	203	606012-4FDQT	166
48368-4XS	203	603612RHC	74	606012-4XSFDQT	224
48368-4XS3PT	216	603612-SD	148	606016-12FD	112
48368-4XSS6	203	603612-SDSS4	207	606018-4XSFDQT	224
48368-4XSS63PT	216	603612-SDSS6	208	606024-12FD	112
48368-43PT	160	603612-12	107	624810-4FD	164

Catalog Number	Page Number	Catalog Number	Page Number	Catalog Number	Page Number
624810-4XAFD	222	643-4QT	143	66 FH	12, 18
624810-4XSFD	220	643-4XALC	195	66 FL IN	13
624810-4XSS6FD	220	643-4XSLC	193	66 FL OUT	13
624812-4FD3PT	168	643-4XSS6LC	193	66 FL SIDE	13
624812-4XAFD	222	6436 G NK	9	66 FTF	11, 17
624812-4XSFD	220	644 RHC	72	66 FTFGV	11
624812-4XSFD3PT	226	644-FTC	103	66 GF	11
624812-4XSS6FD	220	644 RTHC	58	66 GFGV	11
624812-4XSS6FD3PT	226	644 RTHC NK	58	66 HSC	17
624818-4XSFD3PT	226	644 RTSC	57	66 HSCA	17
624818-4XSS6FD3PT	226	644 RTSC NK	57	66 HSCU	17
626012-4FD	164	644 SC	51	66 HSE	17
626012-4FD3PT	168	644 SC NK	51	66 HSE NK	17
626012-4XAFD	222	644 SCGV	51	66 HSF	18
626012-4XSFD	220	644 SCGV NK	51	66 HSL IN	19
626012-4XSFD3PT	226	644 WPSC	63	66 HSL OUT	19
626012-4XSS6FD	220	644-12CHC	93	66 HSL SIDE	19
626012-4XSS6FD3PT	226	644-12LC	91	66 HST	20
64AMK	159, 215	644-12SC	95	66 HSX	20
64 C	11	644-4CHC	141	66 L COMBO	13
64 E	11	644-4QT	143	66 L COMBOGV	13
64 E NK	11	644-4XACHC	199	66 L SIDE	13
64 FTF	11	644-4XFCHQRC	261	66 L SWEEP	13
64 GF	11	644-4XFCHQRCW	263	66 L SWEEPVG	13
64 L COMBO	13	644-4XFCHSC	259	66 LTX	12
64 L SIDE	13	644-4XFLC	257	66 LTXGV	12
64 L SWEEP	13	644-4XFSC	271	66 SCF	53
64 LTX	12	644-4XSCHC	197	66 SCS	53
64 T	14	644-4XSQT	201	66 T	14
64 X	14	644-4XSS6CHC	197	66 TGV	14
6412 G NK	9	6445 L COMBO	14	66 X	14
64120 G NK	9	6445 L SIDE	14	66 XGV	14
6418 G NK	9	6448 G NK	9	66-3RAHSXJ	24
6424 G NK	9	6460 G NK	9	66-3RAHSXS	24
643-12CHC	93	6472 G NK	9	66-3RBKA	24
643-12CHQRC	99	66 C	11	66-3RHSC	22
643-12LC	91	66 E	11	66-3RHSE	23
643-12SC	95	66 E NK	11	66-3RHSE	23
643-4CHC	141	66 EGV	11	66-3RHSL-SIDE	23
643-4LC	139	66 EGV NK	11	66-3RHST	23

Index

Catalog Number	Page Number	Catalog Number	Page Number	Catalog Number	Page Number
66-3RHSXJ	24	66-12LE9A	28	6612 GRTGV NK	43
66-3RHSXS	24	66-12LE9AC	28	6612 GTGV NK	41
66-3RSCX	23	66-12LE9B	28	6612 HS	16
66-3RAHSC	22	66-12LE9C	28	6612 HS NK	16
66-3RAHSE	23	66-12LE9TC	28	6612-3RHS NK	22
66-3RAHSF	23	66-12LE9TCC	28	6612-3RAHS NK	22
66-3RAHSL-SIDE	23	66-12LJB	30	6612-12FW	33
66-3RAHST	23	66-12LN1	28	6612-12LW	27
66-3RASCX	23	66-12LN2	28	6612-12WT	45
66-12BH	35	66-12LN3	28	6612-4XSFV	37
66-12BK	12, 18, 24, 31, 34, 38	66-12LSP	31	6612-4XSWT	47
66-12DH	35	66-12LTA	29	66120 G	9
66-12FBC	34	66-12LTC	29	66120 G NK	9
66-12FC	35	66-12LTF	27	66120 GGV	9
66-12FCF	34	66-12LTSC	27	66120 GGV NK	9
66-12FCP	34	66-12LTSCC	27	66120 GRT NK	43
66-12FE45	35	66-4XSBH	39	66120 GRTGV NK	43
66-12FE9	35	66-4XSDH	39	66120 HS	16
66-12FFF	35	66-4XSFBC	38	66120 HS NK	16
66-12FGK	34	66-4XSFC	39	66120-12FW	33
66-12FN1	34	66-4XSFCF	38	66120-12LW	27
66-12FN2	34	66-4XSFCP	38	66120-3RHS NK	22
66-12FN3	34	66-4XSFE45	39	66120-3RAHS NK	22
66-12FN6	34	66-4XSFE9	39	66120-4XSFV	37
66-12FT	35	66-4XSFFF	39	6618 G	9
66-12FTF	33	66-4XSFGK	38	6618 G NK	9
66-12LAFW	30	66-4XSFN1	38	6618 GGV NK	9
66-12LAHM	30	66-4XSFN2	38	6618 GRT	43
66-12LAHW	30	66-4XSFN3	38	6618 GRT NK	43
66-12LASD	30	66-4XSFN6	38	6618 GRTGV NK	43
66-12LBC	31	66-4XSFT	39	6618-12WT	45
66-12LBH	31	66-4XSFTF	37	6618-4XSWT	47
66-12LC	30	6604-12LW	27	6624 G	9
66-12LCF	27	6606-12LW	27	6624 G NK	9
66-12LCP	31	6612 G	9	6624 GGV	9
66-12LDH	31	6612 G NK	9	6624 GGV NK	9
66-12LE15A	29	6612 GGV	9	6624 GRT	43
66-12LE45A	29	6612 GGV NK	9	6624 GRT NK	43
66-12LE45B	29	6612 GRT	43	6624 GRTGV NK	43
66-12LE45C	29	6612 GRT NK	43	6624 GTGV NK	41

Catalog Number	Page Number	Catalog Number	Page Number	Catalog Number	Page Number
6624 HS	16	664 SCGV NK	51	6648 GRT	43
6624 HS NK	16	664-SDF	265	6648 GRT NK	43
6624-12FW	33	664-SDFQR	267	6648 GRTGV NK	43
6624-12LW	27	664-SDFQRCC	269	6648 GTGV NK	41
6624-12WT	45	664 WPSC	63	6648 HS	16
6624-4XSFV	37	664-1	65	6648 HS NK	16
6624-4XSWT	47	664-12CHC	93	6648-12FW	33
663 SC	51	664-12CHQRC	99	6648-12LW	27
663 SC NK	51	664-12CHSC	97	6648-12WT	45
663 SCGV	51	664-12LC	91	6648-4XSFV	37
663 SCGV NK	51	664-12SC	95	6648-4XSWT	47
6636 G	9	664-4CHC	141	666 HC	54
6636 G NK	9	664-4LC	139	666 HC NK	54
6636 GGV	9	664-4QT	143	666 RTSC	57
6636 GGV NK	9	664-4XACHC	199	666 RTSC NK	57
6636 GRT	43	664-4XALC	195	666 RTSCGV	57
6636 GRT NK	43	664-4XFCHQRC	261	666 RTSCGV NK	57
6636 GRTGV NK	43	664-4XFCHQRCW	263	666 SC	52
6636 GTGV NK	41	664-4XFCHSC	259	666 SC NK	52
6636 HS	16	664-4XFLC	257	666 SCG	61
6636 HS NK	16	664-4XSCHC	197	666 SCGV	52
6636-12FW	33	664-4XSLC	193	666 SCGV NK	52
6636-12LW	27	664-4XSQT	201	666 WPSC	63
6636-12WT	45	664-4XSS6CHC	197	6660 G	9
6636-4XSFV	37	664-4XSS6LC	193	6660 G NK	9
6636-4XSWT	47	664-FTC	103	6660 GGV	9
664 HC	54	6644-12FRC	34	6660 GGV NK	9
664 HC NK	54	6644-12FRE	34	6660 GRT	43
664 RHC	72	6644-12LR	30	6660 GRT NK	43
664 RTC	81	6644-4XSFRC	38	6660 GRTGV NK	43
664 RTHC	58	6644-4XSFRE	38	6660 GTGV NK	41
664 RTHC NK	58	6645 HSL COMBO	19	6660 HS	16
664 RTSC	57	6645 HSL SIDE	19	6660 HS NK	16
664 RTSC NK	57	6645 L COMBO	14	6660-3RHS NK	22
664 RTSCGV	57	6645 L COMBOGV	14	6660-3RAHS NK	22
664 RTSCGV NK	57	6645 L SIDE	14	6660-12FW	33
664 SC	51	6648 G	9	6660-12LW	27
664 SC NK	51	6648 G NK	9	6660-12WT	45
664 SCG	61	6648 GGV	9	6660-4XSFV	37
664 SCGV	51	6648 GGV NK	9	6660-4XSWT	47

Index

Catalog Number	Page Number	Catalog Number	Page Number	Catalog Number	Page Number
6672 G	9	722518-4XSS6FS	229	723636-12FSDA	116
6672 G NK	9	722524-4FS	171	723636-4FS3PT	175
6672 GGV	9	722524-4XSFS	229	723636-4XSFS3PT	233
6672 GGV NK	9	722524-4XSS6FS	229	723636-4XSFS3PT	235
6672 GRT	43	723016-12	107	723718-4FS	171
6672 GRT NK	43	723018-12FS	115	723718-4XSFS	229
6672 GRTGV NK	43	723018-4FS3PT	175	723718-4XSS6FS	229
6672 GTGV NK	41	723018-4XSFS3PT	233	723724-4FS	171
6672 HS	16	723020-12	107	723724-4XSFS	229
6672 HS NK	16	723024-12	107	723724-4XSS6FS	229
6672-12WT	45	723024-12FS	115	724818-12FSD	118
6672-4XSWT	49	723024-12FSDA	116	724818-4XFFSD	283
6688 FR	12, 17	723024-4FS3PT	175	724818-4XSFS3PT	237
6688-3RSCR	24	723024-4FSQT	172	724824-12FSD	118
6688-3RASCR	24	723024-4XSFS3PT	233	724824-12FSDDA	119
6696 GRT NK	43	723024-4XSFS3PT	235	724824-4XSFS3PT	237
7MSLK	158, 214, 414	723024-4XSFSQT	230	724824-4XSFS3PT	239
7MT4SLKB	417	723118-4FS	171	726010-12FD	112
7MT4TLKB	417	723118-4XSFS	229	726012-12FD	112
7MTLK	158, 214, 414	723118-4XSS6FS	229	726012-4FDQT	166
7MT1SLK	414	723124-4FS	171	726012-4XSF3PT	224
7MT1TLK	414	723124-4XSFS	229	726016-12FD	112
7.5 BAP	445	723124-4XSS6FS	229	726018-12FSD	118
722418-12FS	115	723612-12	107	726018-4XSF3PT	224
722418-4FS3PT	175	723618-12FS	115	726018-4XSFS3PT	237
722418-4FSQT	172	723618-4FS3PT	175	726020-12FD	112
722418-4XSQT	230	723618-4XFFS	281	726024-12FD	112
722418-4XSFS3PT	233	723618-4XSFS3PT	233	726024-12FSD	118
722424-12FS	115	723624-12FS	115	726024-12FSDDA	119
722424-12FSDA	116	723624-12FSDA	116	726024-4XSFS3PT	237
722424-4FS3PT	175	723624-4FS3PT	175	726024-4XSFS3PT	239
722424-4XSFS3PT	233	723624-4FSQT	172	726036-12FSD	118
722424-4XSFDA3PT	235	723624-4XFFS	281	726036-12FSDDA	119
722430-12FS	115	723624-4XSFS3PT	233	726036-4XSFS3PT	237
722430-12FSDA	116	723624-4XSFS3PT	235	726036-4XSFS3PT	239
722430-4XSFDA3PT	235	723624-4XSFSQT	230	727210-12FD	112
722436-12FSDA	116	723630-12FS	115	727212-12FD	112
722436-4XSFDA3PT	235	723630-4FS3PT	175	727212-4FDQT	166
722518-4FS	171	723630-4XSFS3PT	233	727212-4XSF3PT	224
722518-4XSFS	229	723636-12FS	115	727216-12FD	112

Catalog Number	Page Number	Catalog Number	Page Number	Catalog Number	Page Number
727218-12FSD	118	84034	450	864-4XACHC	199
727218-4XFFSD	283	844-4XFSC	271	864-4XALC	195
727218-4XSFDQT	224	86 SCF	53	864-4XFCHQRC	261
727218-4XSFS3PT	237	86TB	436	864-4XFCHQRCW	263
727220-12FD	112	86TS	435	864-4XFCHSC	259
727224-12FD	112	8611214-12FS	134	864-4XFLC	257
727224-12FSD	118	8615014-12FS	135	864-4XSCHC	197
727224-12FSDDA	119	8618714-12FS	136	864-4XSLC	193
727224-4FDQT	166	863 SC	51	864-4XSQT	201
727224-4XSFDQT	224	863 SC NK	51	864-4XSS6CHC	197
727224-4XSFS3PT	237	863 SCGV	51	864-4XSS6LC	193
727224-4XSFSDDA3PT	239	863 SCGV NK	51	866 RTSC	57
746012-4FD	164	863.5-12CHC	93	866 RTSC NK	57
746012-4FD3PT	168	863.5-12CHQRC	99	866 SC	52
746012-4XAFD	222	863.5-12LC	91	866 SC NK	52
746012-4XSFD	220	863.5-12SC	95	866 SCGV	52
746012-4XSFD3PT	226	863.5-4CHC	141	866 SCGV NK	52
746012-4XSS6FD	220	863.5-4LC	139	866-1	65
746012-4XSS6FD3PT	226	863.5-4QT	143	866-12CHC	93
747212-4FD	164	863.5-4XSQT	201	866-12CHSC	97
747212-4FD3PT	168	864-FTC	103	866-12SC	95
747212-4XAFD	222	864 HC	54	866-4QT	143
747212-4XSFD	220	864 HC NK	54	866-4XSQT	201
747212-4XSFD3PT	226	864 RHC	72	88 C	11
747212-4XSS6FD	220	864 RTHC	58	88 E	11
747212-4XSS6FD3PT	226	864 RTHC NK	58	88 E NK	11
747224-4FD	164	864 RTSC	57	88 EGV	11
747224-4FD3PT	168	864 RTSC NK	57	88 EGV NK	11
747224-4XAFD	222	864 SC	51	88 FH	12, 18
747224-4XSFD	220	864 SC NK	51	88 FL IN	13
747224-4XSFD3PT	226	864 SCG	61	88 FL OUT	13
747224-4XSS6FD	220	864 SCGV	51	88 FL SIDE	13
747224-4XSS6FD3PT	226	864 SCGV NK	51	88 FTF	11, 17
763-4XFSC	273	864-SDF	265	88 FTFGV	11
8TB	436	864-SDFQR	267	88 GF	11
8TS	435	864-SDFQRCC	269	88 GFGV	11
82AMK	159, 215	864 WPSC	63	88 HSC	17
832-4XFSC	271	864-1	65	88 HSCA	17
84AMK	159, 215	864-12CHSC	97	88 HSCU	17
84033	450	864-4QT	143	88 HSE	17

Index

Catalog Number	Page Number	Catalog Number	Page Number	Catalog Number	Page Number
88 HSE NK	17	88-12BH	35	88-12LN3	28
88 HSF	18	88-12BK	12, 18, 24, 31, 34	88-12LSP	31
88 HSL IN	19	88-12DH	35	88-12LTA	29
88 HSL OUT	19	88-12FBC	34	88-12LTC	29
88 HSL SIDE	19	88-12FC	35	88-12LTF	27
88 HST	20	88-12FCF	34	88-12LTSC	27
88 HSX	20	88-12FCP	34	88-12LTSCC	27
88 L COMBO	13	88-12FE45	35	8804-12LW	27
88 L COMBOGV	13	88-12FE9	35	8806-12LW	27
88 L SIDE	13	88-12FFF	35	881010 FR	12, 17
88 L SWEEP	13	88-12FGK	34	8812 G	9
88 L SWEEPGV	13	88-12FN1	34	8812 G NK	9
88 LTX	12	88-12FN2	34	8812 GGV	9
88 LTXGV	12	88-12FN3	34	8812 GGV NK	9
88 SCF	53	88-12FN6	34	8812 GRT	43
88 SCS	53	88-12FT	35	8812 GRT NK	43
88 T	14	88-12FTF	33	8812 GRTGV NK	43
88 TCF	80	88-12LAFW	30	8812 HS	16
88 TCS	80	88-12LAHM	30	8812 HS NK	16
88 TGV	14	88-12LAHW	30	8812-12FW	33
88 WB	407	88-12LASD	30	8812-12LW	27
88 X	14	88-12LBC	31	8812-12WT	45
88 XGV	14	88-12LBH	31	8812-3RHS NK	22
88-3RAHSC	22	88-12LC	30	8812-3RAHS NK	22
88-3RAHSE NK	23	88-12LCF	27	88120 G	9
88-3RAHSF	23	88-12LCP	31	88120 G NK	9
88-3RAHSL SIDE	23	88-12LDH	31	88120 GGV	9
88-3RAHST	23	88-12LE15A	29	88120 GGV NK	9
88-3RAHSXJ	24	88-12LE45A	29	88120 GRT NK	43
88-3RAHSXS	24	88-12LE45B	29	88120 GRTGV NK	43
88-3RBKA	24	88-12LE45C	29	88120 HS	16
88-3RASCX	23	88-12LE9A	28	88120 HS NK	16
88-3RHSC	22	88-12LE9AC	28	88120-12FW	33
88-3RHSE NK	23	88-12LE9B	28	88120-12LW	27
88-3RHSF	23	88-12LE9C	28	88120-3RHS NK	22
88-3RHSL SIDE	23	88-12LE9TC	28	88120-3RAHS NK	22
88-3RHST	23	88-12LE9TCC	28	8818 G	9
88-3RHSXJ	24	88-12LJB	30	8818 G NK	9
88-3RHSXS	24	88-12LN1	28	8818 GGV NK	9
88-3RSCX	23	88-12LN2	28	8818 GRT	43

Catalog Number	Page Number	Catalog Number	Page Number	Catalog Number	Page Number
8818 GRT NK	43	884 SCGV	51	886 HC	54
8824 G	9	884 SCGV NK	51	886 HC NK	54
8824 G NK	9	884-SDF	265	886 RHC	72
8824 GGV	9	884-SDFQR	267	886 RTSC	57
8824 GGV NK	9	884-SDFQRCC	269	886 RTSC NK	57
8824 GRT	43	884 TCF	80	886 RTSCGV	57
8824 GRT NK	43	884 TCS	80	886 RTSCGV NK	57
8824 GRTGV NK	43	884 WPSC	63	886 SC	52
8824 GTGV NK	41	884-1	65	886 SC NK	52
8824 HS	16	884-12CHC	93	886 SCG	61
8824 HS NK	16	884-12CHSC	97	886 SCGV	52
8824-12FW	33	884-12LC	91	886 SCGV NK	52
8824-12LW	27	884-12SC	95	886 WPSC	63
8824-12WT	45	884-4QT	143	886-1	65
8836 G	9	884-4XALC	195	886-12CHC	93
8836 G NK	9	884-4XFCHQRC	261	886-12CHSC	97
8836 GGV	9	884-4XFCHSC	259	886-4QT	143
8836 GGV NK	9	884-4XFLC	257	8860 G	9
8836 GRT	43	884-4XSCHC	197	8860 G NK	9
8836 GRT NK	43	884-4XS LC	193	8860 GGV	9
8836 GRTGV NK	43	884-4XSS6CHC	197	8860 GGV NK	9
8836 GTGV NK	41	884-4XSS6LC	193	8860 GRT	43
8836 HS	16	8845 HSL COMBO	19	8860 GRT NK	43
8836 HS NK	16	8845 HSL SIDE	19	8860 GRTGV NK	43
8836-12FW	33	8845 L COMBO	14	8860 GTGV NK	41
8836-12LW	27	8845 L COMBOGV	14	8860 HS	16
8836-12WT	45	8845 L SIDE	14	8860 HS NK	16
884 HC	54	8848 G	9	8860-12FW	33
884 HC NK	54	8848 G NK	9	8860-12LW	27
884 RHC	72	8848 GGV	9	8860-12WT	45
884 RTC	81	8848 GGV NK	9	8866-12FRC	34
884 RTHC	58	8848 GRT	43	8866-12FRE	34
884 RTHC NK	58	8848 GRT NK	43	8866-12LR	30
884 RTSC	57	8848 GRTGV NK	43	8860-3RHS NK	22
884 RTSC NK	57	8848 GTGV NK	41	8860-3RAHS NK	22
884 RTSCGV	57	8848 HS	16	8872 G	9
884 RTSCGV NK	57	8848 HS NK	16	8872 G NK	9
884 SC	51	8848-12FW	33	8872 GGV	9
884 SC NK	51	8848-12LW	27	8872 GGV NK	9
884 SCG	61	8848-12WT	45	8872 GRT	43

Index

Catalog Number	Page Number	Catalog Number	Page Number	Catalog Number	Page Number
8872 GRT NK	43	AC-1236B	358	AC-16C16	354
8872 GRTGV NK	43	AC-1236T	358	AC-16C16SS	354
8872 GTGV NK	41	AC-1236W	358	AC-16C20	354
8872 HS	16	AC-1248B	358	AC-16C20SS	354
8872 HS NK	16	AC-1248T	358	AC-16C24	354
8872-12WT	45	AC-1248W	358	AC-16C24SS	354
888 SC	52	AC-12C12	354	AC-16C30	354
888 SC NK	52	AC-12C12SS	354	AC-16C30SS	354
888 SCGV	52	AC-12C16	354	AC-16C36	354
888 SCGV NK	52	AC-12C16SS	354	AC-16C36SS	354
8896 GRT NK	43	AC-12C20	354	AC-1818BASE	446
8896 GRTGV NK	43	AC-12C20SS	354	AC-20C20	354
902420-12FS	115	AC-12C24	354	AC-20C20SS	354
902420-4XSFS3PT	233	AC-12C24SS	354	AC-20C24	354
903620-12FS	115	AC-1424B	362, 366, 367	AC-20C24SS	354
903620-4XSFS3PT	233	AC-1424HP	366	AC-20C30	354
903624-12FS	115	AC-1424P	366	AC-20C30SS	354
903624-12FSDA	116	AC-1424SWP	367	AC-2424BASE	446
903624-4XSFS3PT	233	AC-1424T	362	AC-44ACOL	446
903624-4XSFS3PT	235	AC-1424W	362	AC-44COL	446
903636-12FS	115	AC-1436B	362, 366, 367	AC-66ACOL	446
903636-12FSDA	116	AC-1436HP	366	AC-66COL	446
903636-4XFFS	281	AC-1436P	366	AC-8C12	354
903636-4XSFS3PT	233	AC-1436SWP	367	AC-8C12SS	354
903636-4XSFS3PT	235	AC-1436T	362	AC-8C16	354
904820-12FSD	118	AC-1436W	362	AC-8C16SS	354
904820-4XSFS3PT	237	AC-1448B	362, 366	AC-8C20	354
907220-12FSD	118	AC-1448HP	366	AC-8C20SS	354
907220-4XSFS3PT	237	AC-1448P	366	AC-8C8	354
907224-12FSD	118	AC-1448T	362	AC-8C8SS	354
907224-12FSDDA	119	AC-1448W	362	AC-924B	356
907224-4XSFS3PT	237	AC-1460B	362, 366	AC-936B	356
907224-4XSFS3PT	239	AC-1460HP	366	AF6018SP	123, 181, 245
907236-12FSD	118	AC-1460P	366	AF6024HP	120, 178, 242
907236-4XSFS3PT	237	AC-1460T	362	AF6024HSWP	124,125,182,183,246,247
932-4XFSC	271	AC-1460W	362	AF6024P	120, 178, 242
963-4XFSC	273	AC-1472B	362, 366	AF6024SWP	124,125,182,183,246,247
AC-1224B	358	AC-1472P	366	AF6036HP	120, 178, 242
AC-1224T	358	AC-1472T	362	AF6036HSWP	124, 182, 246
AC-1224W	358	AC-1472W	362	AF6036P	120, 178, 242

Catalog Number	Page Number	Catalog Number	Page Number	Catalog Number	Page Number
AF6036SWP	124, 182, 246	AF90CPS	123, 245	AW1816P (AP, GP, SP)	290
AF6048HP	122, 180, 244	AFCBRKT3	126, 184, 248	AW2012P	402
AF6048P	121, 179, 243	AFCMH3	126, 184, 248, 368	AW2016P (AP, GP, SP)	290, 402
AF6060P	121, 179, 243	AFPSUP2	126, 184, 248	AW2016PJ (AP, SP)	290
AF60CPS	123, 181, 245	AFSBRKT1	126, 184, 248, 368	AW2016-1P	402
AF7218SP	123, 181, 245	AP-ABFD	445	AW2016-1PP	404
AF7224HP	120, 178, 242	AP-ABV	445	AW2020P (AP, GP, SP)	402
AF7224HSWP	124,125,182,183,246,247	AP-CH	445	AW2020-1P	402
AF7224P	120, 178, 242	AP-GE	445	AW2020-1PP	404
AF7224SP	123, 181, 245	AP-ITE	445	AW2024-1P	402
AF7224SWP	124,125,182,183,246,247	AP-SD	445	AW2024-1PP	404
AF7230HP	120, 178, 242	AP-WAMT	445	AW2412P (AP, GP, SP)	290, 402
AF7230HSWP	124,125,182,183,246,247	AP-WSM	445	AW2416P (AP, GP, SP)	402
AF7230P	120, 178, 242	AW1010P (AP, GP, SP)	400	AW2416-1P	402
AF7230SWP	124,125,182,183,246,247	AW1010PP	403	AW2416-1PP	404
AF7236HP	120, 178, 242	AW108P (AP, GP, SP)	290, 400	AW2420P (AP, GP, SP)	405
AF7236HSWP	124,125,182,183,246,247	AW108PP	403	AW2420-1P	402
AF7236P	120, 178, 242	AW1210P (AP, GP, SP)	290, 400	AW2420-1PP	404
AF7236SWP	124,125,182,183,246,247	AW1210PP	403	AW2424P (AP, GP, SP)	290, 405
AF7248HP	122, 180, 244	AW1212P (AP, GP, SP)	290, 400	AW2424-1P	402
AF7248P	121, 179, 243	AW1212PP	403	AW2424-1PP	404
AF7260HP	122, 180, 244	AW126P	400	AW3016P (AP, GP, SP)	405
AF7260P	121, 179, 243	AW126PP	403	AW3020P (AP, GP, SP)	405
AF7272HP	122, 180, 244	AW1412P (AP, GP, SP)	290, 400	AW3020-1P	402
AF7272P	121, 179, 243	AW1412PP	403	AW3020-1PP	404
AF72CPS	123, 181, 245	AW147P (AP, GP, SP)	290	AW3024P (AP, GP, SP)	405
AF9018SP	123, 245	AW148P	400	AW3024-1P	402
AF9024HP	120, 242	AW148PP	403	AW3024-1PP	404
AF9024HSWP	124, 125, 246, 247	AW1610P	400	AW3030P (AP, GP, SP)	405
AF9024P	120, 242	AW1610PP	403	AW3030-1P	402
AF9024SP	123, 245	AW1612P (AP, GP, SP)	402	AW3030-1PP	404
AF9024SWP	124, 125, 246, 247	AW1612-1P	402	AW3624P (AP, GP, SP)	405
AF9036HP	120, 242	AW1612-1PP	404	AW3624-1P	402
AF9036HSWP	124, 125, 246, 247	AW1614P (AP, GP, SP)	290, 400	AW3624-1PP	404
AF9036P	120, 242	AW1614PP	403	AW3630P (AP, GP, SP)	405
AF9036SWP	124, 125, 246, 247	AW1616P (AP, GP, SP)	402	AW3630-1P	402
AF9048HP	122, 244	AW1616-1P	402	AW3630-1PP	404
AF9048P	121, 243	AW1616-1PP	404	AW3636P (SP)	405
AF9072HP	122, 244	AW1620-1P	402	AW4224-1P	402
AF9072P	121, 243	AW1620-1PP	404	AW4224-1PP	404

Index

Catalog Number	Page Number	Catalog Number	Page Number	Catalog Number	Page Number
AW4224P	405	AWF7236P (AP, SP)	291	CTB3005	368, 438
AW4230P (AP, GP, SP)	405	AWF9036P (AP, SP)	291	CTC2	368, 438
AW4236P (AP, GP, SP)	405	BAEK115	442	CTE3001	368, 438
AW4242P	405	BAEK115NDH	442	DSC20228	300
AW4824P	405	BAEKDF	442	DSC20228SS4	300
AW4830P (GP, SP)	405	BK412	433	DSC20228SS6	300
AW4836P (AP, GP, SP)	405	BK415	433	DSC24228	300
AW4842P (AP, GP, SP)	405	BK418	433	DSC24228SS4	300
AW4848P	405	BK424	433	DSC24228SS6	300
AW5442P	406	BK430	433	DSC24268	300
AW6030P	405	BK436	433	DSC24268SS4	300
AW6036P (AP, GP, SP)	405	BK448	433	DSC24268SS6	300
AW6042P	405	BK612	433	DSC30268	300
AW6048P (AP, SP)	406	BK615	433	DSC30268SS4	300
AW6060P (AP, SP)	406	BK618	433	DSC30268SS6	300
AW64P (AP, GP, SP)	290, 400	BK624	433	DSC36268	300
AW64PP	403	BK630	433	DSC36268SS4	300
AW66P (AP, GP, SP)	290, 400	BK636	433	DSC36268SS6	300
AW66PP	403	BK648	433	DSC36328	300
AW7230P	405	BLVC	292	DSC36328SS4	300
AW7236P	405	BV4X	292	DSC36328SS6	300
AW7260P (AP, SP)	406	BP23	431	DSC423212	300
AW7272P (AP, SP)	406	BP33	431	DSC423212SS4	300
AW76P (AP, GP, SP)	290	BP34	431	DSC423212SS6	300
AW86P (AP, GP, SP)	290, 400	BP43	431	DSC423812	300
AW86PP	403	BP44	431	DSC423812SS4	300
AW88P (AP, GP, SP)	290, 400	BP64	431	DSC423812SS6	300
AW88PP	403	BP66	431	DSC483812	300
AW96P	290	BP812	431	DSC483812SS4	300
AWF2420P (AP, SP)	290	BP84	431	DSC483812SS6	300
AWF2424P (AP, SP)	290	BP86	431	DSC603812	300
AWF3020P (AP, SP)	290	BP88	431	DSC603812SS4	300
AWF3024P (AP, SP)	290	CARRY HANDLE	293	DSC603812SS6	300
AWF3622P (AP, SP)	290	CD604812-12FD	308	DK12A	432
AWF3630P (AP, SP)	290	CD606012-12FD	308	DK12SS	432
AWF4836P (AP, SP)	291	CD726012-12FD	308	DK16A	432
AWF6036P (AP, SP)	291	CD727212-12FD	308	DK16SS	432
AWF7221P (AP, SP)	291	CD727218-12FD	308	DK20A	432
AWF7224P (AP, SP)	291	CE6001	368, 438	DK20SS	432
AWF7233P (AP, SP)	291	CT6005	368, 438	DK24A	432

Catalog Number	Page Number	Catalog Number	Page Number	Catalog Number	Page Number
DK24SS	432	EH45	396	ES-606020-4XS	241
DK30A	432	EH60	396	ES-606020-4XSS6	241
DK30SS	432	EH75	396	ES-606024-4	177
DK36A	432	EHTC120-F	398	ES-606024-4XS	241
DK36SS	432	ELMS25-120	441	ES-606024-4XSS6	241
DSTOPK	412	ELMSRM25-120	441	ES-72RMA-L	187, 251
DV	292	ELS25-120	441	ES-72RMA-U	187, 251
DV4X	292	ENCAP2K	293	ES-72SORMF	188, 252
E2-MA-1032-PHMS-100	159, 188, 215, 252	ENCAP4K	293	ES-726012-4	177
E2-MA-1224-PHMS-100	159, 188, 215, 252	ER1	444	ES-726012-4XS	241
E2-MA-CN-1032-100	159, 188, 215, 252	ER2	444	ES-726012-4XSS6	241
E2-MA-CN-1224-100	159, 188, 215, 252	ER3	444	ES-726016-4	177
E2-MA-CN-M6-100	159, 188, 215, 252	ER4	444	ES-726016-4XS	241
E2-MA-M6-PHMS-100	159, 188, 215, 252	ER5	444	ES-726016-4XSS6	241
E2-PS-2.5F-6P-15A-L	443	ES2	428	ES-726020-4	177
E2-PS-2.5F-6P-15A-S	443	ES-48RMA-L	187, 251	ES-726020-4XS	241
E2-PS-2.5F-6P-20A-L	443	ES-48RMA-U	187, 251	ES-726020-4XSS6	241
E2-PS-3.5F-6P-15A-L	443	ES-48SORMF	188, 252	ES-726024-4	177
E2-PS-3.5F-6P-15A-S	443	ES-60RMA-L	187, 251	ES-726024-4XS	241
E2-PS-3.5F-6P-20A-L	443	ES-60RMA-U	187, 251	ES-726024-4XSS6	241
E2-PS-5F-10P-15A-L	443	ES-60SORMF	188, 252	ES-727212-4	177
E2-PS-5F-10P-15A-S	443	ES-604812-4	177	ES-727212-4XS	241
E2-PS-5F-10P-20A-L	443	ES-604812-4XS	241	ES-727212-4XSS6	241
E2-PS-6F-12P-15A-L	443	ES-604812-4XSS6	241	ES-727216-4	177
E2-PS-6F-12P-15A-S	443	ES-604816-4	177	ES-727216-4XS	241
E2-PS-6F-12P-20A-L	443	ES-604816-4XS	241	ES-727216-4XSS6	241
E2-PS-RM-6P-15A-NS	443	ES-604816-4XSS6	241	ES-727220-4	177
E2-PS-RM-6P-15A-SS	443	ES-604820-4	177	ES-727220-4XS	241
ECMD1	434	ES-604820-4XS	241	ES-727220-4XSS6	241
EFH100-120	397	ES-604820-4XSS6	241	ES-727224-4	177
EFH150-120	397	ES-604824-4	177	ES-727224-4XS	241
EFH200-120	397	ES-604824-4XS	241	ES-727224-4XSS6	241
EFH300-120	397	ES-604824-4XSS6	241	ES-90RMA-L	187, 251
EFH400-120	397	ES-606012-4	177	ES-90RMA-U	187, 251
EFHT550F-120	395	ES-606012-4XS	241	ES-90SORMF	188, 252
EFHT650F-120	395	ES-606012-4XSS6	241	ES-SMFK6	253
EH100	396	ES-606016-4	177	ESTNC-F	398
EH15	396	ES-606016-4XS	241	ESTNO-F	398
EH150	396	ES-606016-4XSS6	241	FAS-412	430
EH30	396	ES-606020-4	177	FC412SS	425

Index

Catalog Number	Page Number	Catalog Number	Page Number	Catalog Number	Page Number
FD202110-12	297	FD726112-12FD	308	GP618	427
FD20218-12	297	FD726118-12FD	308	GS416	449
FD242110-12	297	FD726518-12FS	322	GS48	449
FD24218-12	297	FD727312-12FD	308	GS816	449
FD242510-12	297	FD727318-12FD	308	GS88	449
FD24258-12	297	FD727324-12FD	308	HWK1212	412
FD302110-12	297	FD727718-12FS	322	HWK1612	412
FD30218-12	297	FD727724-12FS	322	HWK2016	412
FD302510-12	297	FD729918-12FS	323	HWK2020	412
FD302512-12	297	FD8411718-12FS	323	HWK2420	412
FD30258-12	297	FD8415718-12FS	324	HWK3024	412
FD362510-12	297	FD8419618-12FS	325	J12CK2	424
FD36258-12	297	FD843918-12FS	321	J4XCK2	424
FD363110-12	297	FD847718-12FS	322	JICSPK	408
FD363112-12	297	FD9011724-12FS	323	K2A4C1.2MML	375
FD363116-12	297	FD903920-12FS	321	K2A4C2RP17R	381
FD36318-12	297	FD903924-12FS	321	K2A4C2.0NP17L	377
FD423110-12	297	FD907720-12FS	322	K2A4C3RP28R	381
FD423112-12	297	FD907724-12FS	322	K2A4C4HTL	380
FD42318-12	297	FE6001	368, 439	K2A4C4NP33L	378
FD423710-12	297	FLT33	430	K2A4C4RP33R	381
FD423712-12	297	FLT34	430	K2A4C6RP36R	381
FD42378-12	297	FLT43	430	K2A4C7NP47L	379
FD483710-12	297	FLT44	430	K2NA4C10P38L	384
FD483712-12	297	FLT64	430	K2NA4C10P47L	384
FD483716-12	297	FLT66	430	K2NA4C10P59L	384
FD48378-12	297	FLT812	430	K2NA4C4P32L	384
FD603710-12	297	FLT84	430	K2NA4C7P38L	384
FD603712-12	297	FLT86	430	K2NA4C7P47L	384
FD603712A-12	297	FLT88	430	K2NA4C7P59L	384
FD603716-12	297	FLWK133	411	K2P500A	390
FD60378-12	297	FLWK52	411	K2P500B	390
FD604912-12FD	308	FLWK96	411	K2P100	392
FD604918-12FD	308	FSHELF12	427	K2P40	392
FD606112-12FD	308	FSHELF18	427	K2P529A	393
FD606118-12FD	308	FT6005	368, 439	K2P529B	393
FD722718-12FS	321	FTB3005	368, 439	K2P529C	393
FD723318-12FS	321	FTE3001	368, 439	K2P529D	393
FD723918-12FS	321	GLK2	449	K2P60	392
FD725318-12FS	322	GP610	427	K2P875A	390

Catalog Number	Page Number	Catalog Number	Page Number	Catalog Number	Page Number
K2P875B	390	LPK66	429	N1010PP	403
K2XHE120A	388	LPK812	429	N108P	400
K2XHE125A	388	LPK84	429	N108PP	403
KA4C1.0MML	375	LPK86	429	N1210P	400
KA4C2RP17R	381	LPK88	429	N1210PP	403
KA4C2.0NP17L	377	M7218-12FBK	132, 330	N1212P	400
KA4C3RP28R	381	M7218-12FEK	132, 330	N1212PP	403
KA4C4HTL	380	M7218-12FGK	132, 330	N12CK2	425
KA4C4NP33L	378	M723818-12FS	130	N1412P	400
KA4C4RP33R	381	M727718-12FS	131	N1412PP	403
KA4C7NP47L	379	M8418-12FBK	132, 330	N1612P	401
KA4C6RP36R	381	M8418-12FEK	132, 330	N1616P	401
KFG525-19	393	M8418-12FGK	132, 330	N1818P	401
KFG875-19	393	M8424-12FBK	132, 330	N2012P	400
KNA4C4P32L	384	M8424-12FEK	132, 330	N2012PP	403
KNA4C7P38L	384	M8424-12FGK	132, 330	N2016P	401
KNA4C7P47L	384	M843818-12FS	130	N2020P	401
KNA4C7P59L	384	M843824-12FS	130	N2420P	401
KP100	392	M847718-12FS	131	N2424P	401
KP40	392	M847724-12FS	131	N3024P	401
KP500A	390	MFD723918-12FS	328	N3030P	401
KP500B	390	MFD727818-12FS	329	N3624P	401
KP529A	393	MFD843918-12FS	328	N3630P	401
KP529B	393	MFD843924-12FS	328	N3636P	401
KP529C	393	MFD847818-12FS	329	N4230P	401
KP529D	393	MFD847824-12FS	329	N4236P	401
KP60	392	MFK10	428	N4830P	401
KP875A	390	MFK10XS	428	N4836P	401
KP875B	390	MFK12	189, 428	N4XCK2	425
KXHE120A	388	MFK12XS	253, 428	N6036P	401
KXHE125A	388	MFK16	189, 428	N624-20	450
L23	424	MFK16XS	253, 428	N627-20	450
L23SS	424	MFK20	189, 428	N66P	400
LPKF	293	MFK20XS	253, 428	N66PP	403
LPK23	429	MFK24	189, 428	N86P	400
LPK33	429	MFK24XS	253, 428	N86PP	403
LPK34	429	MFK8	428	N88P	400
LPK43	429	MFK8XS	428	N88PP	403
LPK44	429	MTGFTKITSD	294	NSPK	409
LPK64	429	N1010P	400	PB1 (SS, SS6)	343

Index

Catalog Number	Page Number	Catalog Number	Page Number	Catalog Number	Page Number
PB12 (SS, SS6)	343	PBP25	349	PV5MF	287
PB12B	347	PBP30	349	PV6	343
PB16	343	PBP36	349	PV6F	285
PB16B	347	PBP4	349	PV6MF	287
PB1B	347	PBP42	349	PV8	343
PB1M (SS)	343	PBP6	349	PVX1 (SS)	345
PB2 (SS, SS6)	343	PBP9	349	PVX2 (SS)	345
PB2B	347	PBS3B	347	PVX3 (SS)	345
PB2M (SS)	343	PBS4B	347	PVX4 (SS)	345
PB20	343	PBX10	345	PWK133 (SS)	411
PB20B	347	PBX12	345	PWK138 (SS)	411
PB25	343	PBX16	345	PWK1711 (SS)	411
PB25B	347	PBX20	345	PWK175 (SS)	411
PB3	343	PBX25	345	PWK2315 (SS)	411
PB30B	347	PBX30	345	PWK2919 (SS)	411
PB4	343	PBX36	345	PWK3523 (SS)	411
PB4B	347	PBX4	345	PWK53 (SS)	411
PB4F	289	PBX6	345	PWK95 (SS)	411
PB6 (SS, SS6)	343	PBX9	345	S050 (SS)	431
PB6B	347	PCK4	154, 210	S050FG	293
PB6F	289	PLH	410	S075 (SS)	431
PB9 (SS, SS6)	343	PLKJIC	426	S075FG	293
PB9B	347	PLKJICSS6	426	S100 (SS)	431
PB9F	289	PS3	410	S100FG	293
PBC12	351	PS9	410	S125 (SS)	431
PBC16	351	PV1F	285	S125FG	293
PBC2	351	PV1MF	287	S150 (SS)	431
PBC20	351	PV10	343	S150FG	293
PBC25	351	PV2F	285	S200 (SS)	431
PBC3	351	PV2MF	287	S200FG	293
PBC4	351	PV3 (SS, SS6)	343	S250 (SS)	431
PBC6	351	PV3F	285	S250FG	293
PBC8	351	PV3MF	287	S300 (SS)	431
PBC9	351	PV3M (SS)	343	S300FG	293
PBCS12	351	PV4 (SS, SS6)	343	S350 (SS)	431
PBCS3	351	PV4F	285	S350FG	293
PBCS4	351	PV4MF	287	S400 (SS)	431
PBP12	349	PV4M (SS)	343	S400FG	293
PBP16	349	PV5	343	SEALC	450
PBP20	349	PV5F	285	SEALS	450

Catalog Number	Page Number	Catalog Number	Page Number	Catalog Number	Page Number
SEALWN	450				
SPB (SS)	431				
SPBFG	293				
SPBG (SS)	431				
SPBGFG	293				
SS2PK	293				
SS4PK	293				
T1EFL	413				
T1KLBM	416				
T12KLB	416				
T4DLBM	416				
T4KLTHB	417				
T4KLWNB	416				
T4KLWNB	416				
T4DLDB	416				
T4PHSS	423				
T4PKHB	422, 423				
T4PLWNB	416				
T4THB	417				
T4WNB	416				
T4WNB	417				
T4XDLSSM	417				
T4XDLSS	417				
TN228-20	450				
TSK	440				
WMHK-01	158, 214, 419				
WMHK-02	158, 214, 419				
WMHK-03	158, 214, 419				
WMHK-04	158, 214, 419				
WMHNL	158, 214, 419				
WMHPTO	158, 214, 419				
WMKSS6	154, 210				



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