

GENERAL PURPOSE DRY-TYPE DISTRIBUTION TRANSFORMERS

Acme offers a large selection of Dry-Type Distribution Transformers. Ranging from 600 Volt and below, in both Single and Three Phase, you're sure to find the right one for your needs.



GENERAL PURPOSE TRANSFORMERS: THE BASICS

What is a transformer and how does it work?

A transformer is an electrical apparatus designed to convert alternating current from one voltage to another. It can be designed to “step up” or “step down” voltages and works on the magnetic induction principle. A transformer has no moving parts and is a completely static solid state device, which insures, under normal operating conditions, a long and trouble-free life. It consists, in its simplest form, of two or more coils of insulated wire wound on a laminated steel core. When voltage is introduced to one coil, called the primary, it magnetizes the iron core. A voltage is then induced in the other coil, called the secondary or output coil. The change of voltage (or voltage ratio) between the primary and secondary depends on the turns ratio of the two coils.

Can transformers be operated at voltages other than nameplate voltages? In some cases, transformers can be operated at voltages below the nameplate rated voltage. In NO case should a transformer be operated at a voltage in excess of its nameplate rating, unless taps are provided for this purpose. When operating below the rated voltage, the kVA capacity is reduced correspondingly. For example, if a 480 volt primary transformer with a 240 volt secondary is operated at 240 volts, the secondary voltage is reduced to 120 volts. If the transformer was originally rated 10 kVA, the reduced rating would be 5 kVA, or in direct proportion to the applied voltage.

Can Single Phase Transformers be used for Three Phase applications? Yes. Three phase transformers are sometimes not readily available whereas single phase transformers can generally be found in stock. Three single phase transformers can be used in delta connected primary and wye or delta connected secondary. They should never be connected wye primary to wye secondary, since this will result in unstable secondary voltage. The equivalent three phase capacity when properly connected of three single phase transformers is three times the nameplate rating of each single phase transformer. For example: Three 10 kVA single phase transformers will accommodate a 30 kVA three phase load.

What are typical applications for transformers?

ACME transformers should be specified to:

- (1) Distribute power at high voltage.
- (2) Eliminate double wiring.
- (3) Operate 120 volt equipment from power circuits.
- (4) Insulate circuits/establish separately derived circuits.
- (5) Provide 3-wire secondary circuits.
- (6) Buck and Boost
- (7) Provide electrostatic shielding for transient noise protection.

For more information, visit our catalog or our website www.hubbell-acmeelectric.com

ENCAPSULATED

Single Phase, .05 to .150 kVA

Features

- UL listed, CSA certified and UL-3R enclosure meets or exceeds all listing criteria including NEMA, ANSI and OSHA standards.
- Easy and convenient installation to meet your requirements, the transformer can be mounted in any position.
- Long Life UL class 130°C insulation system. Transformers can be banked for three phase service.
- Large wiring compartment, no conduit or pull boxes required. Front access for wiring ease. Wiring compartment remains cool.
- Completely enclosed UL-3R enclosure for indoor/outdoor service. Rugged non-ventilated construction.
- Plenty of knockouts for multi-directional entry.
- All copper lead wire terminations.
- Ground studs for use with non-metallic conduit.

ENCAPSULATED

Single Phase, .250 to 25 kVA

- Installation keyhole mounting slots for mounting bolts prior to installation. Mounting slots are accessible from the front. Lifting ears are included on 3 to 25 kVA units.
- Wiring flexible copper leadwire terminations for easy connections outside the front access wiring compartment. Dual size knockouts in both sides and the bottom of the wiring compartment for greater wiring convenience and flexibility.

Features

- UL listed, CSA certified and UL-3R enclosure meets or exceeds all listing criteria including NEMA, ANSI and OSHA standards.
- Shielded for cleaner power.
- Encapsulated and completely enclosed design electrical grade silica and resin compounds completely enclose the core and coil to seal out all moisture and air. UL Type 3R enclosure for indoor or outdoor service. Encapsulation eliminates corrosion and insulation deterioration.
- Quiet operation with sound levels well below NEMA standards.
- Long life UL class 155°C insulation system. 115°C rise thru .750 kVA; 180°C insulation system, 115°C rise, 1 kVA and above.
- Available in 316 Stainless Steel



ENCAPSULATED

Three Phase, 3 to 75 kVA

Features

- UL listed, CSA certified and UL-3R enclosure meets or exceeds all listing criteria including NEMA, ANSI and OSHA standards.
- UL Class 180°C insulation system. 115°C rise.
- Extra large front access wiring compartment through 9 kVA; top access through 75 kVA for easier installation and cooler case temperatures.
- Completely enclosed — suitable for indoor/outdoor service. Consult selection charts for details. Excellent for dust or lint laden atmosphere.
- Encapsulated — electrical grade silica and resin compound completely encloses the core and coil. Encapsulation seals out all moisture and air, eliminating corrosion and insulation deterioration.
- High efficiency and excellent regulation.
- Sound levels below NEMA standards.
- Keyhole mounting slots permit installation of mounting bolts prior to hanging transformer and are accessible from the front. Lifting ears for easy installation.
- Wiring connections can be made outside of wiring compartment due to the use of flexible leads.
- 3-9 kVA provided with dual size knockouts in sides and bottom of wiring compartment.
- Termination — copper lead wire.
- Electrostatic shielding provided on all 60 Hz isolation transformers.
- Available in 316 Stainless Steel

316 Stainless Steel

- 3R enclosure.
- Encapsulated construction.
- Single phase: 0.25 – 25 kVA.
Three phase: 3 – 7.5 kVA.
- Core and Coil assembly completely encapsulated in polyester or epoxy seals out all moisture, eliminating corrosion and deterioration of insulation.
- Electrostatic shielding.

Applications

- Harsh industrial locations
- Corrosive chemical exposure
- Waste water treatment facilities
- Coastal or marine applications with high salt mist
- Any application where painted cold roll steel is not adequate



VENTILATED

Single Phase 37.5 to 250 kVA, Three Phase 15 to 1000 kVA

Features

- With weather shield, UL Type 3R enclosure or Type 2 enclosure without weather shield. UL listed and CSA certified.
- UL Class 220°C insulation system, 150°C rise.
- Extra large wiring compartment for easier installation and cooler case temperatures.
- NEMA standard bus bar terminals, no special tools needed to make clearly marked connections. Tap changing easily accomplished with jumpers.
- Aluminum windings for increased insulation life, cooler operation, lower losses.
- Noise and vibration isolating pads standard to assure quiet operation.
- Large permanently legible nameplates on front.
- Single phase units can be banked for 3 phase service.
- All units have ground studs for use with non-metallic conduit.
- Suitable for wall or “trapeze” mounting. Wall brackets are available for units up to 50 kVA single and 75 kVA three phase.
- Other models are available with class 220°C insulation and either 115°C or 80°C rise operating temperature.
- Three phase units 15-112.5 kVA have pre-installed lugs.

DOE

Three Phase 15 to 1000 kVA



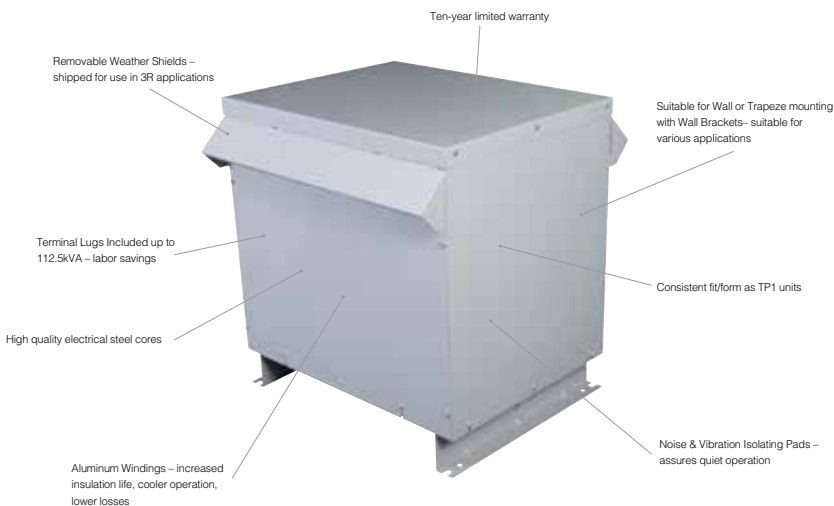
Our new line of general purpose transformers not only meets but exceeds the new, more stringent DOE 2016 Energy Efficiency Standards.

Designed with feedback from our customers, the line is fully compatible in size with comparable transformers meeting the old 2007 TP-1 standards.

Replacing older general purpose transformers with our DOE 2016 compliant equipment will result in increased profitability from lower operating costs as well as a positive impact on the environment from a reduced carbon footprint.

Features:

- Core Design. Cores are high-quality electrical steel from industry-leading suppliers
- 3R Compliant. All new units ship with weather shields already installed
- Flexibility. When a weather shield is not needed, it can easily be removed
- Terminal Lugs. Primary and secondary terminals come standard with lugs (up to 112.5kVA) for quicker, easier connections
- Isolating Pads. Extra padding reduces noise and vibration, assuring quiet operation
- Aluminum Windings. Aluminum provides increased insulation life, cooler operation, and lower losses
- Consistent Fit/Form. Enclosure sizes of DOE 2016 units are identical to TP-1 sizes



THREE PHASE EFFICIENCY STANDARD

kVA	TP1	DOE 2016
15	97.0%	97.89%
30	97.5%	98.23%
45	97.7%	98.40%
75	98.0%	98.60%
112.5	98.2%	98.74%
150	98.3%	98.83%
225	98.5%	98.94%
300	98.6%	99.02%
500	98.7%	99.14%
750	98.8%	99.23%
1000	98.9%	99.28%

SINGLE PHASE

120/208/240/277 PRIMARY VOLTS — 120/240 SECONDARY VOLTS — 1Ø, 60 Hz

kVA	Catalog Number	Height (Inches)(Cm.)	Width (Inches)(Cm.)	Depth (Inches)(Cm.)	Weight (Lbs.)(Kg.)	Mounting Type (Wall)(Floor)	Knockouts (Inches)(Cm.)	Weather Shield	Wiring Diagrams	Design Figures
1.0	T279740S	10.50 (26.7)	5.50 (14.0)	5.13 (13.0)	23 (10.4)	W	0.50-0.75 (1.3-1.9)	NA	23	B
1.5	T279741S	11.62 (29.5)	5.50 (14.0)	5.13 (13.0)	30 (13.6)	W	0.50-0.75 (1.3-1.9)	NA	23	B
2.0	T279742S	13.00 (33.0)	5.50 (14.0)	5.13 (13.0)	37 (16.8)	W	0.50-0.75 (1.3-1.9)	NA	23	B
3.0	T279743S	11.50 (29.2)	10.31 (26.2)	7.13 (18.1)	55 (24.9)	W	0.75-1.25 (1.9-3.2)	NA	23	C
5.0	T279744S	14.38 (36.5)	10.31 (26.2)	7.13 (18.1)	75 (34.0)	W	0.75-1.25 (1.9-3.2)	NA	23	C
7.5	T279745S	15.19 (38.6)	13.50 (34.3)	10.84 (27.5)	105 (47.6)	W	0.75-1.25 (1.9-3.2)	NA	63	D
10.0	T279746S	15.19 (38.6)	13.50 (34.3)	10.84 (27.5)	124 (56.2)	W	0.75-1.25 (1.9-3.2)	NA	63	D
15.0	T279747S	16.94 (43.0)	14.12 (35.9)	11.59 (29.4)	171 (77.6)	W	1.00-1.50 (2.5-3.8)	NA	63	D
25.0	T279748S	18.44 (46.8)	16.13 (41.0)	13.34 (33.9)	261 (118.4)	W	1.00-1.50 (2.5-3.8)	NA	63	D

190/200/208/220 X 380/400/416/440 PRIMARY VOLTS — 110/220 SECONDARY VOLTS — 1Ø, 50/60 Hz

EXPORT MODEL

kVA	Catalog Number	Height (Inches)(Cm.)	Width (Inches)(Cm.)	Depth (Inches)(Cm.)	Weight (Lbs.)(Kg.)	Mounting Type (Wall)(Floor)	Knockouts (Inches)(Cm.)	Weather Shield	Wiring Diagrams	Design Figures
*1.0	TF279300S	10.50 (26.7)	5.50 (14.0)	5.13 (13.0)	24 (10.9)	W	0.50-0.75 (1.3-1.9)	NA	65	B
*2.0	TF279301S	13.00 (33.0)	5.50 (14.0)	5.13 (13.0)	38 (17.2)	W	0.50-0.75 (1.3-1.9)	NA	65	B
*3.0	TF279302S	11.50 (29.2)	10.31 (26.2)	7.13 (18.1)	55 (24.9)	W	0.75-1.25 (1.9-3.2)	NA	65	C
*5.0	TF279303S	14.38 (36.5)	10.31 (26.2)	7.13 (18.1)	75 (34.0)	W	0.75-1.25 (1.9-3.2)	NA	65	C
*7.5	TF279304S	15.19 (38.6)	13.50 (34.3)	10.84 (27.5)	115 (52.2)	W	0.75-1.25 (1.9-3.2)	NA	65	D

*CE Marked

Maximum exciting current 5% at 50 Hz.

190/200/208/220 X 380/400/416/440 PRIMARY VOLTS — 120/240 SECONDARY VOLTS — 1Ø, 50/60 Hz

EXPORT MODEL

kVA	Catalog Number	Height (Inches)(Cm.)	Width (Inches)(Cm.)	Depth (Inches)(Cm.)	Weight (Lbs.)(Kg.)	Mounting Type (Wall)(Floor)	Knockouts (Inches)(Cm.)	Weather Shield	Wiring Diagrams	Design Figures
*1.0	TF217437S	10.50 (26.7)	5.50 (14.0)	5.13 (13.0)	24 (10.9)	W	0.50-0.75 (1.3-1.9)	NA	14	B
*2.0	TF217439S	13.00 (33.0)	5.50 (14.0)	5.13 (13.0)	38 (17.2)	W	0.50-0.75 (1.3-1.9)	NA	14	B
*3.0	TF249873S	11.50 (29.2)	10.31 (26.2)	7.13 (18.1)	55 (24.9)	W	0.75-1.25 (1.9-3.2)	NA	14	C
*5.0	TF252520S	14.38 (36.5)	10.31 (26.2)	7.13 (18.1)	75 (34.0)	W	0.75-1.25 (1.9-3.2)	NA	14	C
*7.5	TF252794S	15.19 (38.6)	13.50 (34.3)	10.84 (27.5)	115 (52.2)	W	0.75-1.25 (1.9-3.2)	NA	14	D
*10.0	TF252795S	15.19 (38.6)	13.50 (34.3)	10.84 (27.5)	125 (56.7)	W	0.75-1.25 (1.9-3.2)	NA	14	D
*15.0	TF252796S	16.94 (43.0)	14.12 (35.9)	11.59 (29.4)	170 (77.1)	W	1.00-1.50 (2.5-3.8)	NA	14	D
*25.0	TF252797S	18.44 (46.8)	16.13 (41.0)	13.34 (33.9)	300 (136.0)	W	1.00-1.50 (2.5-3.8)	NA	14	D

*CE Marked

190/208/220/240 X 380/416/440/480 PRIMARY VOLTS — 120/240 SECONDARY VOLTS — 1Ø, 50/60 Hz

EXPORT MODEL

kVA	Catalog Number	Height (Inches)(Cm.)	Width (Inches)(Cm.)	Depth (Inches)(Cm.)	Weight (Lbs.)(Kg.)	Mounting Type (Wall)(Floor)	Knockouts (Inches)(Cm.)	Weather Shield	Wiring Diagrams	Design Figures
*1.0	TF279260S	10.50 (26.7)	5.50 (14.0)	5.13 (13.0)	24 (10.9)	W	0.50-0.75 (1.3-1.9)	NA	64	B
*2.0	TF279261S	13.00 (33.0)	5.50 (14.0)	5.13 (13.0)	38 (17.2)	W	0.50-0.75 (1.3-1.9)	NA	64	B
*3.0	TF279262S	11.50 (29.2)	10.31 (26.2)	7.13 (18.1)	55 (24.9)	W	0.75-1.25 (1.9-3.2)	NA	64	C
*5.0	TF279263S	14.38 (36.5)	10.31 (26.2)	7.13 (18.1)	75 (34.0)	W	0.75-1.25 (1.9-3.2)	NA	64	C
*7.5	TF279264S	15.19 (38.6)	13.50 (34.3)	10.84 (27.5)	115 (52.2)	W	0.75-1.25 (1.9-3.2)	NA	64	D
*10.0	TF279265S	15.19 (38.6)	13.50 (34.3)	10.84 (27.5)	125 (56.7)	W	0.75-1.25 (1.9-3.2)	NA	64	D
*15.0	TF279266S	16.94 (43.0)	14.12 (35.9)	11.59 (29.4)	170 (77.1)	W	1.00-1.50 (2.5-3.8)	NA	64	D
*25.0	TF279267S	18.44 (46.8)	16.13 (41.0)	13.34 (33.9)	300 (136.1)	W	1.00-1.50 (2.5-3.8)	NA	64	D

*CE Marked

Maximum exciting current 5% at 50 Hz.



208 PRIMARY VOLTS — 120/240 SECONDARY VOLTS — THREE WINDINGS — 1Ø, 60 Hz

kVA	Catalog Number	Height (Inches)(Cm.)	Width (Inches)(Cm.)	Depth (Inches)(Cm.)	Weight (Lbs.)(Kg.)	Mounting Type (Wall)(Floor)	Knockouts (Inches)(Cm.)	Weather Shield	Wiring Diagrams	Design Figures
37.5	TP536491S	25.50 (64.8)	24.40 (62.0)	19.40 (49.3)	257 (117.0)	F ②	N/A	WSA1	58	E
50.0	TP536503S	25.50 (64.8)	24.40 (62.0)	19.40 (49.3)	340 (154.2)	F ②	N/A	WSA1	17	E
75.0	TP536513S	35.40 (89.9)	31.90 (81.0)	26.88 (68.2)	420 (190.5)	F	N/A	WSA3	17	E

Notes: 1.0 kVA through 25.0 kVA encapsulated (exempt from DOE 2016), 37.5 through 75 kVA DOE 2016 compliant

② Wall mounting brackets are available for these sizes.

240 PRIMARY VOLTS — 120/240 SECONDARY VOLTS — 1Ø, 60 Hz

AUTO-TRANSFORMERS

kVA	Catalog Number	Height (Inches)(Cm.)	Width (Inches)(Cm.)	Depth (Inches)(Cm.)	Weight (Lbs.)(Kg.)	Mounting Type (Wall)(Floor)	Knockouts (Inches)(Cm.)	Weather Shield	Wiring Diagrams	Design Figures
1.0	T253060	9.06 (23.0)	4.37 (11.1)	4.20 (10.7)	15 (6.8)	W	0.50-0.75 (1.3-1.9)	NA	12	B
1.5	T253061	9.68 (24.6)	4.50 (11.4)	4.51 (11.5)	19 (8.6)	W	0.50-0.75 (1.3-1.9)	NA	12	B
2.0	T253062	10.50 (26.7)	5.50 (14.0)	5.13 (13.0)	24 (10.9)	W	0.50-0.75 (1.3-1.9)	NA	12	B
3.0	T253063	11.62 (29.5)	5.50 (14.0)	5.13 (13.0)	30 (13.6)	W	0.50-0.75 (1.3-1.9)	NA	12	B
5.0	T253064	13.00 (33.0)	5.50 (14.0)	5.13 (13.0)	38 (17.2)	W	0.50-0.75 (1.3-1.9)	NA	12	B
7.5	T253065	11.50 (29.2)	10.31 (26.2)	7.13 (18.1)	55 (24.9)	W	0.75-1.25 (1.9-3.2)	NA	12	C
10.0	T253066	15.19 (38.6)	13.50 (34.3)	10.84 (27.5)	115 (52.2)	W	0.75-1.25 (1.9-3.2)	NA	12	D
15.0	T253067	15.19 (38.6)	13.50 (34.3)	10.84 (27.5)	115 (52.2)	W	0.75-1.25 (1.9-3.2)	NA	12	D

240 X 480 PRIMARY VOLTS — 120/240 SECONDARY VOLTS — FOUR WINDINGS — 1Ø, 60 Hz

kVA	Catalog Number	Height (Inches)(Cm.)	Width (Inches)(Cm.)	Depth (Inches)(Cm.)	Weight (Lbs.)(Kg.)	Mounting Type (Wall)(Floor)	Knockouts (Inches)(Cm.)	Weather Shield	Wiring Diagrams	Design Figures
.05 ①	T153004	6.41 (16.3)	3.14 (8.0)	3.05 (7.7)	4 (1.8)	W	0.875 (2.2)	NA	1	A
.10 ①	T153005	7.16 (18.2)	3.89 (9.9)	3.67 (9.3)	5 (2.3)	W	0.875 (2.2)	NA	1	A
.15 ①	T153006	7.16 (18.2)	3.89 (9.9)	3.67 (9.3)	7 (3.2)	W	0.875 (2.2)	NA	1	A
.25 ①	T253007S	8.68 (22.0)	4.08 (10.4)	3.88 (9.9)	10 (4.5)	W	0.50-0.75 (1.3-1.9)	NA	2	B
.50 ①	T253008S	9.06 (23.0)	4.37 (11.1)	4.20 (10.7)	15 (6.8)	W	0.50-0.75 (1.3-1.9)	NA	2	B
.75 ①	T253009S	9.68 (24.6)	4.75 (12.1)	4.50 (11.4)	19 (8.6)	W	0.50-0.75 (1.3-1.9)	NA	2	B
1.00	T253010S	10.50 (26.7)	5.50 (14.0)	5.13 (13.0)	24 (10.9)	W	0.50-0.75 (1.3-1.9)	NA	2	B
1.50	T253011S	11.62 (29.5)	5.50 (14.0)	5.13 (13.0)	30 (13.6)	W	0.50-0.75 (1.3-1.9)	NA	2	B
2.00	T253012S	13.00 (33.0)	5.50 (14.0)	5.13 (13.0)	38 (17.2)	W	0.50-0.75 (1.3-1.9)	NA	2	B
3.00	T253013S	11.50 (29.2)	10.31 (26.2)	7.13 (18.1)	55 (24.9)	W	0.75-1.25 (1.9-3.2)	NA	2	C
3.00	T2530134S	11.50 (29.2)	10.31 (26.2)	7.13 (18.1)	55 (24.9)	W	0.75-1.25 (1.9-3.2)	NA	3	C
5.00	T253014S	14.38 (36.5)	10.31 (26.2)	7.13 (18.1)	75 (34.0)	W	0.75-1.25 (1.9-3.2)	NA	2	C
5.00	T2530144S	14.38 (36.5)	10.31 (26.2)	7.13 (18.1)	75 (34.0)	W	0.75-1.25 (1.9-3.2)	NA	3	C
7.50	T2535153S	15.19 (38.6)	13.50 (34.3)	10.84 (27.5)	115 (52.2)	W	0.75-1.25 (1.9-3.2)	NA	4	D
10.00	T2535163S	15.19 (38.6)	13.50 (34.3)	10.84 (27.5)	125 (56.7)	W	0.75-1.25 (1.9-3.2)	NA	4	D
15.00	T2535173S	16.94 (43.0)	14.12 (35.9)	11.59 (29.4)	170 (77.1)	W	1.00-1.50 (2.5-3.8)	NA	4	D
25.00	T2535183S	18.44 (46.8)	16.13 (41.0)	13.34 (33.9)	250 (113.0)	W	1.00-1.50 (2.5-3.8)	NA	4	D
37.50	TP530193S	25.50 (64.8)	24.39 (61.9)	19.37 (49.2)	280 (127.0)	F ②	NA	WSA1	5	E
50.00	TP530203S	25.50 (64.8)	24.39 (61.9)	19.37 (49.2)	350 (158.8)	F ②	NA	WSA1	5	E
75.00	TP530213S	35.47 (90.1)	31.90 (81.0)	26.88 (68.3)	430 (195.0)	F	NA	WSA3	5	E
100.00	TP530223S	41.52 (105.4)	32.90 (83.5)	29.87 (75.9)	525 (238.0)	F	NA	WSA4	5	E
167.00	TP530233S	45.60 (115.8)	39.50 (100.3)	35.50 (90.1)	1050 (476.3)	F	NA	WSA5	5	E
250.00	TP530243S	45.60 (115.8)	39.50 (100.3)	35.50 (90.1)	1440 (653.2)	F	NA	WSA5	5	E

Notes: 0.05 through 25.0 kVA encapsulated (exempt from DOE 2016), 37.5 through 250.0 kVA DOE 2016 compliant

① Suitable for 50/60Hz

240 X 480 PRIMARY VOLTS — 120/240 SECONDARY VOLTS — FOUR WINDINGS — 1Ø, 60 Hz
316 STAINLESS STEEL

kVA	Catalog Number	Height (Inches)(Cm.)	Width (Inches)(Cm.)	Depth (Inches)(Cm.)	Weight (Lbs.)(Kg.)	Mounting Type (Wall)(Floor)	Knockouts (Inches)(Cm.)	Weather Shield	Wiring Diagrams	Design Figures
0.25 ①	T253007SS	8.68 (22.0)	4.08 (10.4)	3.88 (9.9)	10 (4.5)	W	NA	NA	2	B
0.50 ①	T253008SS	9.06 (23.0)	4.37 (11.1)	4.20 (10.7)	15 (6.8)	W	NA	NA	2	B
0.75 ①	T253009SS	9.68 (24.6)	4.75 (12.1)	4.50 (11.4)	19 (8.6)	W	NA	NA	2	B
1.00	T253010SS	10.50 (26.7)	5.50 (14.0)	5.13 (13.0)	24 (10.9)	W	NA	NA	2	B
1.50	T253011SS	11.62 (29.5)	5.50 (14.0)	5.13 (13.0)	30 (13.6)	W	NA	NA	2	B
2.00	T253012SS	13.00 (33.0)	5.50 (14.0)	5.13 (13.0)	38 (17.2)	W	NA	NA	2	B
3.00	T253013SS	11.50 (29.2)	10.31 (26.2)	7.13 (18.1)	55 (24.9)	W	NA	NA	3	C
5.00	T253014SS	14.38 (36.5)	10.31 (26.2)	7.13 (18.1)	75 (34.0)	W	NA	NA	3	C
7.50	T253515SS	15.19 (38.6)	13.50 (34.3)	10.84 (27.5)	115 (52.2)	W	NA	NA	4	D
10.00	T253516SS	15.19 (38.6)	13.50 (34.3)	10.84 (27.5)	125 (56.7)	W	NA	NA	4	D
15.00	T253517SS	16.94 (43.0)	14.12 (35.9)	11.59 (29.4)	170 (77.1)	W	NA	NA	4	D
25.00	T253518SS	18.44 (46.8)	16.13 (41.0)	13.34 (33.9)	250 (113.0)	W	NA	NA	4	D

Notes: 0.25 through 25.0 kVA encapsulated (exempt from DOE 2016)

① Suitable for 50/60Hz

240 X 480 PRIMARY VOLTS — COPPER WINDINGS — 120/240 SECONDARY VOLTS — FOUR WINDINGS — 1Ø, 60 Hz

kVA	Catalog Number	Height (Inches)(Cm.)	Width (Inches)(Cm.)	Depth (Inches)(Cm.)	Weight (Lbs.)(Kg.)	Mounting Type (Wall)(Floor)	Knockouts (Inches)(Cm.)	Weather Shield	Wiring Diagrams	Design Figures
7.50	TC535153S	15.19 (38.6)	13.50 (34.3)	10.84 (27.5)	100 (45.4)	W	0.75-1.25 (1.9-3.2)	NA	4	D
10.00	TC535163S	15.19 (38.6)	13.50 (34.3)	10.84 (27.5)	120 (54.4)	W	0.75-1.25 (1.9-3.2)	NA	4	D
15.00	TC535173S	16.94 (43.0)	14.12 (35.9)	11.59 (29.4)	160 (72.6)	W	1.00-1.50 (2.5-3.8)	NA	4	D
25.00	TC535183S	18.44 (46.8)	16.13 (41.0)	13.34 (33.9)	250 (113.0)	W	1.00-1.50 (2.5-3.8)	NA	4	D
37.50	TPC530193S	25.50 (64.8)	24.39 (61.9)	19.37 (49.2)	295 (133.8)	F ②	NA	WSA1	5	E
50.00	TPC530203S	25.50 (64.8)	24.39 (61.9)	19.37 (49.2)	378 (172.0)	F ②	NA	WSA1	5	E

Notes: 7.5 through 25.0 kVA encapsulated (exempt from DOE 2016), 37.5 through 50.0 kVA DOE 2016 compliant

NON-VENTILATED TRANSFORMERS — 240 X 480 PRIMARY VOLTS — 120/240 SECONDARY VOLTS — FOUR WINDINGS — 1Ø, 60 Hz

kVA	Catalog Number	Height (Inches)(Cm.)	Width (Inches)(Cm.)	Depth (Inches)(Cm.)	Weight (Lbs.)(Kg.)	Mounting Type (Wall)(Floor)	Knockouts (Inches)(Cm.)	Weather Shield	Wiring Diagrams	Design Figures
37.50	TE2530193S	35.47 (90.1)	31.90 (81.0)	26.90 (68.3)	430 (195.0)	F ②	NA	NA	5	H
50.00	TE2530203S	35.47 (90.1)	31.90 (81.0)	26.90 (68.3)	430 (195.0)	F ②	NA	NA	5	H
75.00	TE2A530213S	35.47 (90.1)	31.90 (81.0)	26.90 (68.3)	525 (238.0)	F	NA	NA	5	H
100.00	TE1530223S	42.00 (106.7)	40.00 (101.6)	30.00 (76.2)	775 (352.0)	F	NA	NA	5	H

Notes: 37.5 through 100.0 kVA non-ventilated (exempt from DOE 2016)





600 PRIMARY VOLTS — 120/240 SECONDARY VOLTS — THREE WINDINGS — 1Ø, 60 Hz

kVA	Catalog Number	Height (Inches)(Cm.)	Width (Inches)(Cm.)	Depth (Inches)(Cm.)	Weight (Lbs.)(Kg.)	Mounting Type (Wall)(Floor)	Knockouts (Inches)(Cm.)	Weather Shield	Wiring Diagrams	Design Figures
.05 ①	T153104	6.41 (16.3)	3.14 (8.0)	3.05 (7.7)	4 (1.8)	W	0.875 (2.2)	NA	8	A
.10 ①	T153105	7.16 (18.2)	3.89 (9.9)	3.67 (9.3)	5 (2.3)	W	0.875 (2.2)	NA	8	A
.15 ①	T153106	7.16 (18.2)	3.89 (9.9)	3.67 (9.3)	7 (3.2)	W	0.875 (2.2)	NA	8	A
.25 ①	T253107S	8.68 (22.0)	4.08 (10.4)	3.88 (9.9)	10 (4.5)	W	0.50-0.75 (1.3-1.9)	NA	9	B
.50 ①	T253108S	9.06 (23.0)	4.37 (11.1)	4.20 (10.7)	15 (6.8)	W	0.50-0.75 (1.3-1.9)	NA	9	B
.75 ①	T253109S	9.68 (24.6)	4.75 (12.1)	4.50 (11.4)	19 (8.6)	W	0.50-0.75 (1.3-1.9)	NA	9	B
1.00	T253110S	10.50 (26.7)	5.50 (14.0)	5.13 (13.0)	24 (10.9)	W	0.50-0.75 (1.3-1.9)	NA	9	B
1.50	T253111S	11.62 (29.5)	5.50 (14.0)	5.13 (13.0)	30 (13.6)	W	0.50-0.75 (1.3-1.9)	NA	9	B
2.00	T253112S	13.00 (33.0)	5.50 (14.0)	5.13 (13.0)	38 (17.2)	W	0.50-0.75 (1.3-1.9)	NA	9	B
3.00	T2531131S	11.50 (29.2)	10.31 (26.2)	7.13 (18.1)	55 (24.9)	W	0.75-1.25 (1.9-3.2)	NA	10	C
5.00	T2531141S	14.38 (36.5)	10.31 (26.2)	7.13 (18.1)	75 (34.0)	W	0.75-1.25 (1.9-3.2)	NA	10	C
7.50	T2536151S	15.19 (38.6)	13.50 (34.3)	10.84 (27.5)	115 (52.2)	W	0.75-1.25 (1.9-3.2)	NA	10	D
10.00	T2536161S	15.19 (38.6)	13.50 (34.3)	10.84 (27.5)	125 (56.7)	W	0.75-1.25 (1.9-3.2)	NA	10	D
15.00	T2536171S	16.94 (43.0)	14.12 (35.9)	11.59 (29.4)	170 (77.1)	W	1.00-1.50 (2.5-3.8)	NA	10	D
25.00	T2536181S	18.44 (46.8)	16.13 (41.0)	13.34 (33.9)	250 (113.0)	W	1.00-1.50 (2.5-3.8)	NA	10	D
37.50	TP531193S	25.50 (64.8)	24.40 (62.0)	19.40 (49.3)	275 (125.0)	F ②	NA	WSA1	11	E
50.00	TP531203S	29.90 (76.0)	28.15 (71.5)	22.37 (56.8)	340 (154.0)	F ②	NA	WSA2	11	E
75.00	TP531213S	35.47 (90.0)	31.90 (81.0)	26.88 (68.3)	430 (195.0)	F	NA	WSA3	11	E
100.00	TP531223S	41.52 (105.4)	32.90 (83.5)	29.87 (75.9)	525 (238.0)	F	NA	WSA4	11	E
167.00	TP531233S	45.60 (115.8)	39.5 (100.3)	35.5 (90.2)	1050 (476.3)	F	NA	WSA5	11	E

Notes: 0.05 kVA through 25.0 kVA encapsulated (exempt from DOE 2016), 37.5 through 167.0 kVA DOE 2016 compliant

① Suitable for 50/60Hz

THREE PHASE

190/200/208/220/230/240 DELTA PRIMARY VOLTS — 400Y/231 SECONDARY VOLTS — 3Ø, 60 Hz

kVA	Catalog Number	Height (Inches)(Cm.)	Width (Inches)(Cm.)	Depth (Inches)(Cm.)	Weight (Lbs.)(Kg.)	Mounting Type (Wall)(Floor)	Knockouts (Inches)(Cm.)	Optional Electrostatic Shield	Wiring Diagrams	Design Figures
15.0 ②	T379083S	18.86 (47.9)	20.30 (51.6)	9.03 (22.9)	300 (136.1)	F ①	NA	STD.	75	E
15.0	T3015K0170BS	25.50 (64.8)	24.39 (61.9)	19.37 (49.2)	300 (136.0)	F ①	NA	STD.	74	E
30.0	T3030K0170BS	25.50 (64.8)	24.39 (61.9)	19.37 (49.2)	360 (163.2)	F ①	NA	STD.	74	E
45.0	T3045K0170BS	25.50 (64.8)	24.39 (61.9)	19.37 (49.2)	675 (306.1)	F ①	NA	STD.	74	E
75.0	T3075K0170BS	29.41 (74.7)	28.15 (71.5)	22.37 (56.8)	600 (272.2)	F ①	NA	STD.	74	E

① Wall mounting brackets are available for these sizes.

② DOE 2016 exempt, encapsulated unit

208 DELTA PRIMARY VOLTS — 208Y/120 SECONDARY VOLTS — 3Ø, 60 Hz

kVA	Catalog Number	Height (Inches)(Cm.)	Width (Inches)(Cm.)	Depth (Inches)(Cm.)	Weight (Lbs.)(Kg.)	Mounting Type (Wall)(Floor)	Knockouts (Inches)(Cm.)	Optional Electrostatic Shield	Wiring Diagrams	Design Figures
3.0 ②	T2A792681S	10.38 (26.4)	12.37 (31.4)	7.47 (19.0)	75 (34.0)	W	0.75-1.25 (1.9-3.2)	STD.	60	F
6.0 ②	T2A792691S	11.83 (30.0)	14.17 (36.0)	8.82 (22.4)	140 (63.5)	W	0.75-1.25 (1.9-3.2)	STD.	60	F
9.0 ②	T2A792701S	14.03 (36.0)	17.77 (45.1)	11.52 (29.3)	180 (81.6)	W	0.75-1.25 (1.9-3.2)	STD.	60	F
15.0 ②	T3792711S	18.86 (48.0)	20.30 (51.6)	9.03 (22.9)	245 (111.0)	F ①	NA	STD.	60	I
15.0	T3015K0064BS	25.50 (64.8)	24.39 (61.9)	19.37 (49.2)	300 (136.0)	F ①	NA	STD.	61	E
30.0	T3030K0064BS	25.50 (64.8)	24.39 (61.9)	19.37 (49.2)	360 (163.2)	F ①	NA	STD.	61	E
45.0	T3045K0064BS	25.50 (64.8)	24.39 (61.9)	19.37 (49.2)	441 (200.0)	F ①	NA	STD.	61	E
75.0	T3075K0064BS	29.41 (74.7)	28.15 (71.5)	22.37 (56.8)	600 (272.2)	F ①	NA	STD.	61	E

① Wall mounting brackets are available for these sizes.

② DOE 2016 exempt, encapsulated unit

208 DELTA PRIMARY VOLTS — 480Y/277 SECONDARY VOLTS — 3Ø, 60 Hz

kVA	Catalog Number	Height (Inches)(Cm.)	Width (Inches)(Cm.)	Depth (Inches)(Cm.)	Weight (Lbs.)(Kg.)	Mounting Type (Wall)(Floor)	Knockouts (Inches)(Cm.)	Optional Electrostatic Shield	Wiring Diagrams	Design Figures
15.0 ②	T3793671S	18.86 (48.0)	20.30 (51.6)	9.03 (22.9)	245 (111.0)	F ①	NA	STD.	48	I
15.0	T3015K0034B	25.50 (64.8)	24.39 (61.9)	19.37 (49.2)	300 (136.0)	F ①	NA	YES ③	46	E
30.0	T3030K0034B	25.50 (64.8)	24.39 (61.9)	19.37 (49.2)	360 (163.2)	F ①	NA	YES ③	46	E
45.0	T3045K0034B	25.50 (64.8)	24.39 (61.9)	19.37 (49.2)	500 (226.8)	F ①	NA	YES ③	46	E
75.0	T3075K0034B	29.41 (74.7)	28.15 (71.5)	22.37 (56.8)	600 (272.2)	F ①	NA	YES ③	46	E
112.5	T3112K0034B	35.47 (90.1)	31.90 (81.0)	26.88 (68.2)	938 (425.5)	F	NA	YES ③	46	E
150.0	T3150K0034B	41.52 (105.4)	32.90 (83.5)	29.87 (75.9)	1188 (538.9)	F	NA	YES ③	46	E
225.0	T3225K0034B	41.52 (105.4)	32.90 (83.5)	29.87 (75.9)	1500 (680.4)	F	NA	YES ③	46	E
300.0	T3300K0034B	45.60 (115.8)	39.50 (100.3)	35.50 (90.1)	1938 (879.0)	F	NA	YES ③	46	E

① Wall mounting brackets are available for these sizes.

② DOE 2016 exempt, encapsulated unit

③ Add "S" to part number

240 DELTA PRIMARY VOLTS — 208Y/120 SECONDARY VOLTS — 3Ø, 60 Hz

kVA	Catalog Number	Height (Inches)(Cm.)	Width (Inches)(Cm.)	Depth (Inches)(Cm.)	Weight (Lbs.)(Kg.)	Mounting Type (Wall)(Floor)	Knockouts (Inches)(Cm.)	Optional Electrostatic Shield	Wiring Diagrams	Design Figures
9.0 ②	T2A533601S	14.03 (36.0)	17.77 (45.1)	11.52 (29.3)	180 (81.6)	W	0.75-1.25 (1.9-3.2)	STD.	18	F
15.0 ②	T3533611S	18.86 (48.0)	20.30 (51.6)	9.03 (23.0)	250 (113.0)	F ①	NA	STD.	18	I
15.0	T3015K0044B	25.50 (64.8)	24.39 (61.9)	19.37 (49.2)	300 (136.0)	F ①	NA	YES ③	19	E
30.0	T3030K0044B	25.50 (64.8)	24.39 (61.9)	19.37 (49.2)	360 (163.2)	F ①	NA	YES ③	19	E
45.0	T3045K0044B	25.50 (64.8)	24.39 (61.9)	19.37 (49.2)	438 (198.6)	F ①	NA	YES ③	19	E
75.0	T3075K0044B	29.41 (74.7)	28.15 (71.5)	22.37 (56.8)	600 (272.2)	F ①	NA	YES ③	19	E
112.5	T3112K0044B	35.47 (90.1)	31.90 (81.0)	26.88 (68.2)	870 (394.6)	F	NA	YES ③	19	E
150.0	T3150K0044B	41.52 (105.4)	32.90 (83.5)	29.87 (75.9)	1223 (554.7)	F	NA	YES ③	19	E
225.0	T3225K0044B	41.52 (105.4)	32.90 (83.5)	29.87 (75.9)	1500 (680.4)	F	NA	YES ③	19	E

① Wall mounting brackets are available for these sizes.

② DOE 2016 exempt, encapsulated unit

③ Add "S" to part number

240 DELTA PRIMARY VOLTS — 480Y/277 SECONDARY VOLTS — 3Ø, 60 Hz

kVA	Catalog Number	Height (Inches)(Cm.)	Width (Inches)(Cm.)	Depth (Inches)(Cm.)	Weight (Lbs.)(Kg.)	Mounting Type (Wall)(Floor)	Knockouts (Inches)(Cm.)	Optional Electrostatic Shield	Wiring Diagrams	Design Figures
15.0 ②	T3796931S	18.90 (48.0)	20.30 (51.6)	9.00 (22.9)	245 (111.1)	F ①	NA	STD.	70	I
15.0	T3015K0074B	25.50 (64.8)	24.39 (61.9)	19.37 (49.2)	300 (136.0)	F ①	NA	YES ③	71	E
30.0	T3030K0074B	25.50 (64.8)	24.39 (61.9)	19.37 (49.2)	360 (163.2)	F ①	NA	YES ③	71	E
45.0	T3045K0074B	25.50 (64.8)	24.39 (61.9)	19.37 (49.2)	475 (215.5)	F ①	NA	YES ③	71	E
75.0	T3075K0074B	29.41 (74.7)	28.15 (71.5)	22.37 (56.8)	600 (272.2)	F ①	NA	YES ③	71	E
112.5	T3112K0074B	35.47 (90.1)	31.90 (81.0)	26.88 (68.2)	859 (389.6)	F	NA	YES ③	71	E
150.0	T3150K0074B	41.52 (105.4)	32.90 (83.5)	29.87 (75.9)	1216 (551.6)	F	NA	YES ③	71	E

① Wall mounting brackets are available for these sizes.

② DOE 2016 exempt, encapsulated unit

③ Add "S" to part number



380 DELTA PRIMARY VOLTS — 220Y/127 SECONDARY VOLTS — 3Ø, 50 Hz

kVA	Catalog Number	Height (Inches)(Cm.)	Width (Inches)(Cm.)	Depth (Inches)(Cm.)	Weight (Lbs.)(Kg.)	Mounting Type (Wall)(Floor)	Knockouts (Inches)(Cm.)	Weather Shield	Wiring Diagrams	Design Figures
15.0	T3795511S	20.80 (52.8)	20.90 (53.1)	10.20 (25.9)	435 (197.3)	F	NA	NA	24	I
30.0	T2A795523S	25.50 (64.8)	24.40 (62.0)	19.40 (49.3)	365 (165.6)	F ①	NA	WSA1	20	E
45.0	T2A795533S	29.41 (74.7)	28.15 (71.5)	22.37 (56.8)	468 (212.3)	F ①	NA	WSA2	20	E
75.0	T2A795543S	35.47 (90.1)	31.90 (80.0)	26.88 (68.3)	693 (314.3)	F	NA	WSA3	20	E
112.5	T2A795553S	41.52 (105.4)	32.90 (83.5)	29.87 (75.9)	970 (440.0)	F	NA	WSA4	20	E

Notes: 50 Hz units (DOE 2016 exempt)

① Wall mounting brackets are available for these sizes.

440 DELTA PRIMARY VOLTS — 220Y/127 SECONDARY VOLTS — 3Ø, 50 Hz

kVA	Catalog Number	Height (Inches)(Cm.)	Width (Inches)(Cm.)	Depth (Inches)(Cm.)	Weight (Lbs.)(Kg.)	Mounting Type (Wall)(Floor)	Knockouts (Inches)(Cm.)	Weather Shield	Wiring Diagrams	Design Figures
10.0	TF220105S	18.90 (48.0)	20.30 (51.6)	9.00 (22.9)	245 (111.1)	F ①	NA	NA	73	I
15.0	TF220155S	25.50 (64.8)	24.40 (62.0)	19.40 (49.3)	291 (132.0)	F ①	NA	WSA1	73	E
25.0	TF220255S	25.50 (64.8)	24.40 (62.0)	19.40 (49.3)	375 (170.1)	F ①	NA	WSA1	73	E
50.0	TF220505S	29.41 (74.7)	28.15 (71.5)	22.37 (56.8)	437 (198.2)	F ①	NA	WSA2	73	E

Notes: 50 Hz units (DOE 2016 exempt)

① Wall mounting brackets are available for these sizes.

480 DELTA PRIMARY VOLTS — 208Y/120 SECONDARY VOLTS — MAY BE USED ON A 4 WIRE 480Y/277 VOLTS SUPPLY— 3Ø, 60 Hz

kVA	Catalog Number	Height (Inches)(Cm.)	Width (Inches)(Cm.)	Depth (Inches)(Cm.)	Weight (Lbs.)(Kg.)	Mounting Type (Wall)(Floor)	Knockouts (Inches)(Cm.)	Optional Electrostatic Shield	Wiring Diagrams	Design Figures
3.0 ②	T2A533081S	10.38 (26.4)	12.37 (31.4)	7.47 (19.0)	75 (34.0)	W	0.75-1.25 (1.9-3.2)	STD.	21	F
6.0 ②	T2A533091S	11.83 (30.0)	14.17 (36.0)	8.82 (22.4)	140 (63.5)	W	0.75-1.25 (1.9-3.2)	STD.	21	F
9.0 ②	T2A533101S	14.03 (36.0)	17.77 (45.1)	11.52 (29.3)	180 (81.6)	W	0.75-1.25 (1.9-3.2)	STD.	21	F
15.0 ②	T3533111S	18.86 (48.0)	20.30 (51.6)	9.03 (22.9)	250 (113.0)	F ①	NA	STD.	21	I
15.0	T3015K0013B	25.50 (64.8)	24.39 (61.9)	19.37 (49.2)	300 (136.0)	F ①	NA	YES ③	22	E
30.0	T3030K0013B	25.50 (64.8)	24.39 (61.9)	19.37 (49.2)	360 (163.2)	F ①	NA	YES ③	22	E
45.0	T3045K0013B	25.50 (64.8)	24.39 (61.9)	19.37 (49.2)	500 (226.8)	F ①	NA	YES ③	22	E
75.0	T3075K0013B	29.41 (74.7)	28.15 (71.5)	22.37 (56.8)	600 (272.2)	F ①	NA	YES ③	22	E
112.5	T3112K0013B	35.47 (90.1)	31.90 (81.0)	26.88 (68.2)	938 (425.5)	F	NA	YES ③	22	E
150.0	T3150K0013B	41.52 (105.4)	32.90 (83.5)	29.87 (75.9)	1213 (550.2)	F	NA	YES ③	22	E
225.0	T3225K0013B	41.52 (105.4)	32.90 (83.5)	29.87 (75.9)	1500 (680.4)	F	NA	YES ③	22	E
300.0	T3300K0013B	45.60 (115.8)	39.50 (100.3)	35.50 (90.1)	1938 (879.0)	F	NA	YES ③	22	E
500.0	T3500K0013B	57.80 (147.0)	45.60 (115.8)	41.50 (105.4)	3100 (1406.1)	F	NA	YES ③	22	G
750.0	T3750K0013B	62.80 (159.5)	54.00 (137.1)	41.50 (105.4)	4500 (2041.1)	F	NA	YES ③	22	G
1000.0	T3001M0012B	62.80 (159.5)	54.00 (137.1)	41.50 (105.4)	5375 (2438.0)	F	NA	YES ③	80	G

① Wall mounting brackets are available for these sizes.

② DOE 2016 exempt, encapsulated unit

③ Add "S" to part number

480 DELTA PRIMARY VOLTS — COPPER WINDINGS — 208Y/120 SECONDARY VOLTS — 3Ø, 60 Hz

kVA	Catalog Number	Height (Inches)(Cm.)	Width (Inches)(Cm.)	Depth (Inches)(Cm.)	Weight (Lbs.)(Kg.)	Mounting Type (Wall)(Floor)	Knockouts (Inches)(Cm.)	Optional Electrostatic Shield	Wiring Diagrams	Design Figures
15.0 ②	TC533111S	18.86 (48.0)	20.30 (51.6)	9.03 (22.9)	245 (111.0)	F ①	NA	STD.	21	I
15.0	T3015K0013BC	25.50 (64.8)	24.39 (61.9)	19.37 (49.2)	353 (160.1)	F ①	NA	YES ③	22	E
30.0	T3030K0013BC	25.50 (64.8)	24.39 (61.9)	19.37 (49.2)	498 (225.9)	F ①	NA	YES ③	22	E
45.0	T3045K0013BC	25.50 (64.8)	24.39 (61.9)	19.37 (49.2)	572 (259.5)	F ①	NA	YES ③	22	E
75.0	T3075K0013BC	29.41 (74.7)	28.15 (71.5)	22.37 (56.8)	750 (340.2)	F	NA	YES ③	22	E
112.5	T3112K0013BC	35.47 (90.1)	31.90 (81.0)	26.88 (68.2)	1103 (500.3)	F	NA	YES ③	22	E
150.0	T3150K0013BC	41.52 (105.4)	32.90 (83.5)	29.87 (75.9)	1477 (669.9)	F	NA	YES ③	22	E
225.0	T3225K0013BC	41.52 (105.4)	32.90 (83.5)	29.87 (75.9)	1872 (849.1)	F	NA	YES ③	22	E
300.0	T3300K0013BC	45.60 (115.8)	39.50 (100.3)	35.50 (90.1)	2233 (1012.9)	F	NA	YES ③	22	E
500.0	T3500K0013BC	57.80 (147.0)	45.60 (115.8)	41.50 (105.4)	4059 (1841.1)	F	NA	YES ③	22	G
750.0	T3750K0013BC	62.80 (159.5)	54.00 (137.1)	41.50 (105.4)	6192 (2808.6)	F	NA	YES ③	22	G

- ① Wall mounting brackets are available for these sizes.
- ② DOE 2016 exempt, encapsulated unit, 115° C rise
- ③ Add "S" to part number

115° C RISE
480 DELTA PRIMARY VOLTS — 208Y/120 SECONDARY VOLTS — MAY BE USED ON A 4 WIRE 480Y/277 VOLTS SUPPLY— 3Ø, 60 Hz

kVA	Catalog Number	Height (Inches)(Cm.)	Width (Inches)(Cm.)	Depth (Inches)(Cm.)	Weight (Lbs.)(Kg.)	Mounting Type (Wall)(Floor)	Knockouts (Inches)(Cm.)	Optional Electrostatic Shield	Wiring Diagrams	Design Figures
15.0	T3015K0013BSF	25.50 (64.8)	24.39 (61.9)	19.37 (49.2)	300 (136.0)	F ①	NA	STD.	22	E
30.0	T3030K0013BSF	25.50 (64.8)	24.39 (61.9)	19.37 (49.2)	360 (163.3)	F ①	NA	STD.	22	E
45.0	T3045K0013BSF	25.50 (64.8)	24.39 (61.9)	19.37 (49.2)	500 (226.8)	F ①	NA	STD.	22	E
75.0	T3075K0013BSF	29.41 (74.7)	28.15 (71.5)	22.37 (56.8)	600 (272.2)	F ①	NA	STD.	22	E
112.5	T3112K0013BSF	35.47 (90.1)	31.90 (81.0)	26.88 (68.2)	938 (425.5)	F	NA	STD.	22	E
150.0	T3150K0013BSF	41.52 (105.4)	32.90 (83.5)	29.87 (75.9)	1213 (550.2)	F	NA	STD.	22	E
225.0	T3225K0013BSF	45.60 (115.8)	39.50 (100.3)	35.50 (90.1)	2298 (1042.3)	F	NA	STD.	22	E
300.0	T3300K0013BSF	45.60 (115.8)	39.50 (100.3)	35.50 (90.1)	2319 (1051.9)	F	NA	STD.	22	E
500.0	T3500K0013BSF	57.80 (147.0)	45.60 (115.8)	41.50 (105.4)	4156 (1885.1)	F	NA	STD.	22	G

- ① Wall mounting brackets are available for these sizes.

80° C RISE
480 DELTA PRIMARY VOLTS — 208Y/120 SECONDARY VOLTS — MAY BE USED ON A 4 WIRE 480Y/277 VOLTS SUPPLY— 3Ø, 60 Hz

kVA	Catalog Number	Height (Inches)(Cm.)	Width (Inches)(Cm.)	Depth (Inches)(Cm.)	Weight (Lbs.)(Kg.)	Mounting Type (Wall)(Floor)	Knockouts (Inches)(Cm.)	Optional Electrostatic Shield	Wiring Diagrams	Design Figures
15.0	T3015K0013BSB	25.50 (64.8)	24.39 (61.9)	19.37 (49.2)	378 (171.5)	F ①	NA	STD.	22	E
30.0	T3030K0013BSB	25.50 (64.8)	24.39 (61.9)	19.37 (49.2)	550 (249.5)	F ①	NA	STD.	22	E
45.0	T3045K0013BSB	29.41 (74.7)	28.15 (71.5)	22.37 (56.8)	755 (342.5)	F	NA	STD.	22	E
75.0	T3075K0013BSB	35.47 (90.1)	31.90 (81.0)	26.88 (68.2)	1054 (478.1)	F	NA	STD.	22	E
112.5	T3112K0013BSB	41.52 (105.4)	32.90 (83.5)	29.87 (75.9)	1454 (659.5)	F	NA	STD.	22	E
150.0	T3150K0013BSB	41.52 (105.4)	32.90 (83.5)	29.87 (75.9)	1729 (784.3)	F	NA	STD.	22	E

For Copper wound transformers consult factory.

- ① Wall mounting brackets are available for these sizes.

115° C RISE
480 DELTA PRIMARY VOLTS — 208Y/120 SECONDARY VOLTS — 3Ø, 60 Hz
ENCAPSULATED TRANSFORMERS

kVA	Catalog Number	Height (Inches)(Cm.)	Width (Inches)(Cm.)	Depth (Inches)(Cm.)	Weight (Lbs.)(Kg.)	Mounting Type (Wall)(Floor)	Knockouts (Inches)(Cm.)	Optional Electrostatic Shield	Wiring Diagrams	Design Figures
30.0	T3793123S	24.81 (63.0)	27.13 (68.9)	11.14 (28.3)	613 (278.1)	F	NA	STD.	22	I
45.0	T3793133S	25.31 (64.3)	30.18 (76.7)	12.76 (32.4)	780 (354.0)	F	NA	STD.	22	I
75.0	T3793143S	26.82 (68.1)	34.68 (88.1)	15.25 (38.7)	1126 (511.0)	F	NA	STD.	22	I

Notes: 30.0 through 75.0 kVA encapsulated (DOE 2016 exempt)



115° C RISE

480 DELTA PRIMARY VOLTS — 208Y/120 SECONDARY VOLTS — 3Ø, 60 Hz 316 STAINLESS STEEL ENCAPSULATED TRANSFORMERS

kVA	Catalog Number	Height (Inches)(Cm.)	Width (Inches)(Cm.)	Depth (Inches)(Cm.)	Weight (Lbs.)(Kg.)	Mounting Type (Wall)(Floor)	Knockouts (Inches)(Cm.)	Optional Electrostatic Shield	Wiring Diagrams	Design Figures
3.0	T2A53308SS	10.38 (26.4)	12.37 (31.4)	7.47 (19.0)	75 (34.0)	W	NA	STD.	21	F
6.0	T2A53309SS	11.83 (30.0)	14.17 (36.0)	8.82 (22.4)	140 (63.5)	W	NA	STD.	21	F
9.0	T2A53310SS	14.03 (35.6)	17.77 (45.1)	11.52 (29.3)	180 (81.6)	W	NA	STD.	21	F
15.0	T353311SS	18.86 (47.9)	20.30 (51.6)	9.03 (22.9)	250 (113.0)	F	NA	STD.	21	I
30.0	T379312SS	24.81 (63.0)	27.13 (68.9)	11.14 (28.3)	613 (278.1)	F	NA	STD.	22	I
45.0	T379313SS	25.31 (64.3)	30.18 (76.7)	12.76 (32.4)	780 (354.0)	F	NA	STD.	22	I
75.0	T379314SS	26.82 (68.1)	34.68 (88.1)	15.25 (38.7)	1126 (511.0)	F	NA	STD.	22	I

Notes: 3.0 through 75.0 kVA units encapsulated (DOE 2016 exempt)

480 DELTA PRIMARY VOLTS — 240 DELTA/120 TAP SECONDARY VOLTS — MAY BE USED ON A 4 WIRE 480Y/277 VOLTS SUPPLY— 3Ø, 60 Hz

kVA	Catalog Number	Height (Inches)(Cm.)	Width (Inches)(Cm.)	Depth (Inches)(Cm.)	Weight (Lbs.)(Kg.)	Mounting Type (Wall)(Floor)	Knockouts (Inches)(Cm.)	Optional Electrostatic Shield	Wiring Diagrams	Design Figures
3.0 ②	T2A533281S	10.38 (26.4)	12.37 (31.4)	7.47 (19.0)	75 (34.0)	W	0.75-1.25 (1.9-3.2)	STD.	25	F
6.0 ②	T2A533291S	11.83 (30.0)	14.17 (36.0)	8.82 (22.4)	140 (63.5)	W	0.75-1.25 (1.9-3.2)	STD.	25	F
9.0 ②	T2A533401S	14.03 (36.0)	17.77 (45.1)	11.52 (29.3)	180 (81.6)	W	0.75-1.25 (1.9-3.2)	STD.	25	F
15.0 ②	T3533411S	18.86 (47.9)	20.30 (51.6)	9.03 (22.9)	250 (113.0)	F ①	NA	STD.	25	I
15.0	T3015K0023B	25.50 (64.8)	24.39 (61.9)	19.37 (49.2)	300 (136.0)	F ①	NA	YES ③	26	E
30.0	T3030K0023B	25.50 (64.8)	24.39 (61.9)	19.37 (49.2)	360 (163.2)	F ①	NA	YES ③	26	E
45.0	T3045K0023B	25.50 (64.8)	24.39 (61.9)	19.37 (49.2)	500 (226.8)	F ①	NA	YES ③	26	E
75.0	T3075K0023B	29.41 (74.7)	28.15 (71.5)	22.37 (56.8)	600 (272.2)	F ①	NA	YES ③	26	E
112.5	T3112K0023B	35.47 (90.1)	31.90 (81.0)	26.88 (68.2)	938 (425.5)	F	NA	YES ③	26	E
150.0	T3150K0023B	41.52 (105.4)	32.90 (83.5)	29.87 (75.9)	1406 (637.8)	F	NA	YES ③	26	E
225.0	T3225K0023B	41.52 (105.4)	32.90 (83.5)	29.87 (75.9)	1500 (680.4)	F	NA	YES ③	26	E
300.0	T3300K0023B	45.60 (115.8)	39.50 (100.3)	35.50 (90.1)	1938 (879.0)	F	NA	YES ③	26	E
500.0	T3500K0023B	57.80 (147.0)	45.60 (115.8)	41.50 (105.4)	3344 (1516.8)	F	NA	YES ③	26	G
750.0	T3750K0023B	62.80 (159.5)	54.00 (137.1)	41.50 (105.4)	4260 (1932.3)	F	NA	YES ③	26	G

Notes: 3.0 kVA through 750.0 kVA provided with 120V lighting tap limited to 5% of nameplate rating.

① Wall mounting brackets are available for these sizes.

② DOE 2016 exempt, encapsulated unit

③ Add "S" to part number

480 DELTA PRIMARY VOLTS — 480Y/277 SECONDARY VOLTS — MAY BE USED ON A 4 WIRE 480Y/277 VOLTS SUPPLY— 3Ø, 60 Hz

kVA	Catalog Number	Height (Inches)(Cm.)	Width (Inches)(Cm.)	Depth (Inches)(Cm.)	Weight (Lbs.)(Kg.)	Mounting Type (Wall)(Floor)	Knockouts (Inches)(Cm.)	Optional Electrostatic Shield	Wiring Diagrams	Design Figures
15.0 ②	T335000153S	18.86 (48.0)	20.30 (51.6)	9.03 (22.9)	250 (113.0)	F ①	NA	STD.	31	I
15.0	T3015K0053B	25.50 (64.8)	24.39 (61.9)	19.37 (49.2)	300 (136.0)	F ①	NA	YES ③	31	E
30.0	T3030K0053B	25.50 (64.8)	24.39 (61.9)	19.37 (49.2)	360 (163.3)	F ①	NA	YES ③	31	E
45.0	T3045K0053B	25.50 (64.8)	24.39 (61.9)	19.37 (49.2)	500 (226.8)	F ①	NA	YES ③	31	E
75.0	T3075K0053B	29.41 (74.7)	28.15 (71.5)	22.37 (56.8)	600 (272.2)	F ①	NA	YES ③	31	E
112.5	T3112K0053B	35.47 (90.1)	31.90 (81.0)	26.88 (68.2)	888 (402.8)	F	NA	YES ③	31	E
150.0	T3150K0053B	41.52 (105.4)	32.90 (83.5)	29.87 (75.9)	1444 (655.0)	F	NA	YES ③	31	E
225.0	T3225K0053B	41.52 (105.4)	32.90 (83.5)	29.87 (75.9)	1513 (686.3)	F	NA	YES ③	31	E
300.0	T3300K0053B	45.60 (115.8)	39.50 (100.3)	35.50 (90.1)	2000 (907.2)	F	NA	YES ③	31	E

① Wall mounting brackets are available for these sizes.

② DOE 2016 exempt, encapsulated unit

③ Add "S" to part number

600 DELTA PRIMARY VOLTS — 208Y/120 TAP SECONDARY VOLTS— 3Ø, 60 Hz

kVA	Catalog Number	Height (Inches)(Cm.)	Width (Inches)(Cm.)	Depth (Inches)(Cm.)	Weight (Lbs.)(Kg.)	Mounting Type (Wall)(Floor)	Knockouts (Inches)(Cm.)	Optional Electrostatic Shield	Wiring Diagrams	Design Figures
3.0 ②	T2A793301S	10.38 (26.4)	12.37 (31.4)	7.47 (19.0)	75 (34.0)	W	0.75-1.25 (1.9-3.2)	STD.	28	F
6.0 ②	T2A793311S	11.83 (30.0)	14.17 (36.0)	8.82 (22.4)	140 (63.5)	W	0.75-1.25 (1.9-3.2)	STD.	28	F
9.0 ②	T2A793321S	14.03 (36.0)	17.77 (45.1)	11.52 (29.3)	180 (81.6)	W	0.75-1.25 (1.9-3.2)	STD.	28	F
15.0 ②	T3793331S	18.86 (47.9)	20.30 (51.6)	9.03 (22.9)	250 (113.0)	F ①	NA	STD.	28	I
15.0	T3015K0083BS	25.50 (64.8)	24.39 (61.9)	19.37 (49.2)	300 (136.0)	F ①	NA	STD.	29	E
30.0	T3030K0083BS	25.50 (64.8)	24.39 (61.9)	19.37 (49.2)	360 (163.2)	F ①	NA	STD.	29	E
45.0	T3045K0083BS	25.50 (64.8)	24.39 (61.9)	19.37 (49.2)	500 (226.8)	F ①	NA	STD.	29	E
75.0	T3075K0083BS	29.41 (74.7)	28.15 (71.5)	22.37 (56.8)	600 (272.2)	F ①	NA	STD.	29	E
112.5	T3112K0083BS	35.47 (90.1)	31.90 (81.0)	26.88 (68.2)	938 (425.5)	F	NA	STD.	29	E
150.0	T3150K0083BS	41.52 (105.4)	32.90 (83.5)	29.87 (75.9)	1213 (550.2)	F	NA	STD.	29	E
225.0	T3225K0083BS	41.52 (105.4)	32.90 (83.5)	29.87 (75.9)	1500 (680.4)	F	NA	STD.	29	E
300.0	T3300K0083BS	45.60 (115.8)	39.50 (100.3)	35.50 (90.1)	1938 (879.0)	F	NA	STD.	29	E
500.0	T3500K0083BS	57.80 (147.0)	45.60 (115.8)	41.50 (105.4)	3344 (1516.8)	F	NA	STD.	29	G
750.0	T3750K0083BS	62.80 (159.5)	54.00 (137.1)	41.50 (105.4)	4260 (1932.3)	F	NA	STD.	29	G

① Wall mounting brackets are available for these sizes.

② DOE 2016 exempt, encapsulated unit

600 DELTA PRIMARY VOLTS — 240 DELTA/120 TAP SECONDARY VOLTS — 3Ø, 60 Hz

kVA	Catalog Number	Height (Inches)(Cm.)	Width (Inches)(Cm.)	Depth (Inches)(Cm.)	Weight (Lbs.)(Kg.)	Mounting Type (Wall)(Floor)	Knockouts (Inches)(Cm.)	Optional Electrostatic Shield	Wiring Diagrams	Design Figures
15.0	T3015K0323BS	25.50 (64.8)	24.39 (61.9)	19.37 (49.2)	300 (136.0)	F ①	NA	STD.	69	E
30.0	T3030K0323BS	25.50 (64.8)	24.39 (61.9)	19.37 (49.2)	360 (163.3)	F ①	NA	STD.	69	E
45.0	T3045K0323BS	25.50 (64.8)	24.39 (61.9)	19.37 (49.2)	500 (226.8)	F ①	NA	STD.	69	E
75.0	T3075K0323BS	29.41 (74.7)	28.15 (71.5)	22.37 (56.8)	600 (272.2)	F ①	NA	STD.	69	E

① Wall mounting brackets are available for these sizes.

600 DELTA PRIMARY VOLTS — 480Y/277 TAP SECONDARY VOLTS — 3Ø, 60 Hz

kVA	Catalog Number	Height (Inches)(Cm.)	Width (Inches)(Cm.)	Depth (Inches)(Cm.)	Weight (Lbs.)(Kg.)	Mounting Type (Wall)(Floor)	Knockouts (Inches)(Cm.)	Optional Electrostatic Shield	Wiring Diagrams	Design Figures
3.0 ②	T2A795161S	10.38 (26.4)	12.37 (31.4)	7.47 (19.0)	75 (34.0)	W	0.75-1.25 (1.9-3.2)	STD.	55	F
6.0 ②	T2A795171S	11.83 (30.0)	14.17 (36.0)	8.82 (22.4)	140 (63.5)	W	0.75-1.25 (1.9-3.2)	STD.	55	F
9.0 ②	T2A795181S	14.03 (38.8)	17.77 (45.1)	11.52 (29.3)	180 (81.6)	W	0.75-1.25 (1.9-3.2)	STD.	55	F
15.0 ②	T3795191S	18.86 (47.9)	20.30 (51.6)	9.03 (22.9)	250 (113.0)	F ①	NA	STD.	55	I
15.0	T3015K0093BS	25.50 (64.8)	24.39 (61.9)	19.37 (49.2)	300 (136.0)	F ①	NA	STD.	51	E
30.0	T3030K0093BS	25.50 (64.8)	24.39 (61.9)	19.37 (49.2)	360 (163.3)	F ①	NA	STD.	51	E
45.0	T3045K0093BS	25.50 (64.8)	24.39 (61.9)	19.37 (49.2)	500 (226.8)	F ①	NA	STD.	51	E
75.0	T3075K0093BS	29.41 (74.7)	28.15 (71.5)	22.37 (56.8)	600 (272.2)	F ①	NA	STD.	51	E
112.5	T3112K0093BS	35.47 (90.1)	31.90 (81.0)	26.88 (68.2)	938 (425.5)	F	NA	STD.	51	E
150.0	T3150K0093BS	41.52 (105.4)	32.90 (83.5)	29.87 (75.9)	1406 (637.8)	F	NA	STD.	51	E

① Wall mounting brackets are available for these sizes.

② DOE 2016 exempt, encapsulated unit



600 PRIMARY VOLTS — 480 SECONDARY VOLTS — 3Ø, 60 Hz
 480 PRIMARY VOLTS — 380 SECONDARY VOLTS — 3Ø, 50/60 Hz

AUTO TRANSFORMERS

kVA ①											
Primary 600V Secondary 480V	Primary 480V Secondary 380V	Catalog Number	Height (Inches)(Cm.)	Width (Inches)(Cm.)	Depth (Inches)(Cm.)	Weight (Lbs.)(Kg.)	Mounting Type (Wall)(Floor)	Knockouts (Inches)(Cm.)	Weather Shield	Wiring Diagrams	Design Figures
15.0	12.0	T2527031③	15.21 (38.6)	19.25 (48.9)	7.37 (18.7)	104 (47.2)	W	NA	NA	56	F
30.0	24.0	T2527051③	15.21 (38.6)	19.25 (48.9)	7.37 (18.7)	152 (68.9)	W	NA	NA	56	F
45.0	36.0	T2527071③	15.21 (38.6)	19.25 (48.9)	7.37 (18.7)	156 (70.8)	W	NA	NA	56	F
75.0	60.0	T3527101③	18.86 (47.9)	20.30 (51.6)	9.03 (22.9)	300 (136.1)	F ⑤	NA	NA	56	I
112.5	90.0	T2A527121④	25.50 (64.8)	24.40 (62.0)	19.40 (49.3)	325 (147.0)	F ①	NA	WSA1	57	E
150.0	120.0	T2A527131④	25.50 (64.8)	24.40 (62.0)	19.40 (49.3)	350 (158.8)	F ①	NA	WSA1	57	E
225.0	180.0	T2A527151④	29.41 (74.7)	28.15 (71.5)	22.37 (56.8)	600 (272.0)	F ①	NA	WSA2	57	E
300.0	240.0	T2A527171④	29.41 (74.7)	28.15 (71.5)	22.37 (56.8)	650 (294.8)	F	NA	WSA2	57	E
450.0	360.0	T2A527181④	35.47 (90.1)	31.90 (81.0)	26.88 (68.3)	750 (340.0)	F	NA	WSA3	57	E
500.0	400.0	T2A527191④	35.47 (90.1)	31.90 (81.0)	26.88 (68.3)	790 (358.3)	F	NA	WSA3	57	E

Notes: Autotransformer DOE 2106 exempt

① Wall mounting brackets are available for these sizes.

② If used on unbalanced loads, these units should only be used on a 4 wire system with the supply neutral connected to the transformer. If used on balanced loads, such as motor loads, then they may be used on a 3 wire system without a neutral or 4th wire.

③ These units are encapsulated with a 115° C temperature rise.





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