NuTone®

Ventilation Fans

Speakers	Ironing Centers	Chimes	Heaters	Fresh Air Systems
Trash Compactors	Ceiling Fans		Bath Cabinets	
Range Hoods		Intercoms	Decorative Backsplashes	Central Vacuums

NuTone® is America's leading brand of residential built-in convenience products including door chimes, central vacuum systems, stereo intercom systems, ceiling fans, home theater speakers, bath cabinets, ironing centers and ventilation fans.

Broan® is America's leading brand of residential ventilation products including range hoods, decorative backsplashes, ventilation fans, heater/fan/light combination units, Indoor Air Quality (IAQ) Fresh Air Systems, built-in heaters, whole-house fans, attic ventilators and trash compactors.

Broan and NuTone are proud to be ENERGY STAR® partners.

NuTone®

www.NuTone.com

Broan-NuTone LLC, 926 W. State Street, Hartford, WI 53027 • **888-336-3948**
In Canada call **888-882-7626**

January 2008

Leadership

Leadership is measured in all kinds of ways. At NuTone it's defined with innovative home amenity products that make life more comfortable. Trust us to develop it first, and develop it best.

Silence

Silence is what consumers demand more than any other feature in a bath fan. We hear you, and proudly offer the Ultra Silent™ Series, the most quiet ventilation fans available. Proven in real-world installations, they deliver what we promise on the package.

Style

Style can be difficult to define. What's compelling to one may be passe to another. NuTone solves the issue with a broad variety of product styles, finishes, and shapes—all designed around you.

We don't build products.
We build the industry.

Performance

Powerful operation is the ultimate test. And a clear bathroom mirror after a long relaxing shower is the true measure of bath fan performance. That's why NuTone engineers the right product for every type of application, room size and need.

Selection

No one provides a broader selection of home ventilation products than NuTone. From the spot ventilation, heating, and whole-house air replacement solutions listed above to our beautiful ceiling fans, trust NuTone to improve the comfort of your family and home.

NuTone makes the perfect ventilation fan
for every home, decor and budget.

What you should consider when buying a bath fan or home ventilation system.

Steamy mirrors, damp walls and fogged windows. They're more than annoying. They could indicate developing problems like mold and mildew, ruined insulation, and wood rot. Spot ventilation solutions from NuTone clear the air quickly and efficiently removing potential problems before they invite themselves into your home.

What's in stays in today's airtight homes.

Today's homes are built airtight for efficiency. But that means moisture and airborne pollutants stay where they are unless they are vented away. Eliminating excess moisture keeps your home dry and comfortable and can help avoid mold and mildew. Volatile organic compounds (VOCs) "outgas" from construction materials such as plywood, carpet, fabric, paint, adhesive, insulation and other common items. Allergens, dust, cooking vapor and what the kids bring home from school are more reasons why good ventilation is critical.

Which product is best suited to my application?

Take a moment to consider what you're looking for in a spot ventilation product. Do you want quiet operation, a powerful blower, decorative designs or something that's virtually invisible? Could you use more light, or ventilation in a walk-in closet? NuTone has what you need.

Sones measure the "sound level" of your fan.

A sone is a measurement of sound in terms of comfortable hearing level for an average listener. The lower the sone value, the more comfortable the environment. Sones are not decibels or volume, but rather how sound is "sensed." One sone is half as loud as two sones, and is equivalent to a quiet refrigerator.

Leadership

More than 70 years ago NuTone invented the spot ventilation industry. Today, NuTone is engineering and testing the next generation of ventilation solutions to keep your home and family comfortable.

What "HVI certified" means to you.

The Home Ventilating Institute (HVI) is an independent organization that certifies the airflow and sound performance claimed by manufacturers of ventilation products. NuTone certifies every product through HVI to ensure the product you purchase will perform as claimed.

For more information visit www.hvi.org.

®2100 HVI CERTIFIED

Energy Star: Conserve energy and energy expenditures.

If you're concerned about saving money and energy, choose NuTone bath fans that feature the Energy Star logo. These products use high efficiency motors and lighting that can reduce energy consumption by as much as 65%—all without sacrificing performance. Learn more about Energy Star at www.energystar.gov.

energy ENERGY STAR

Proper installation makes all the difference.
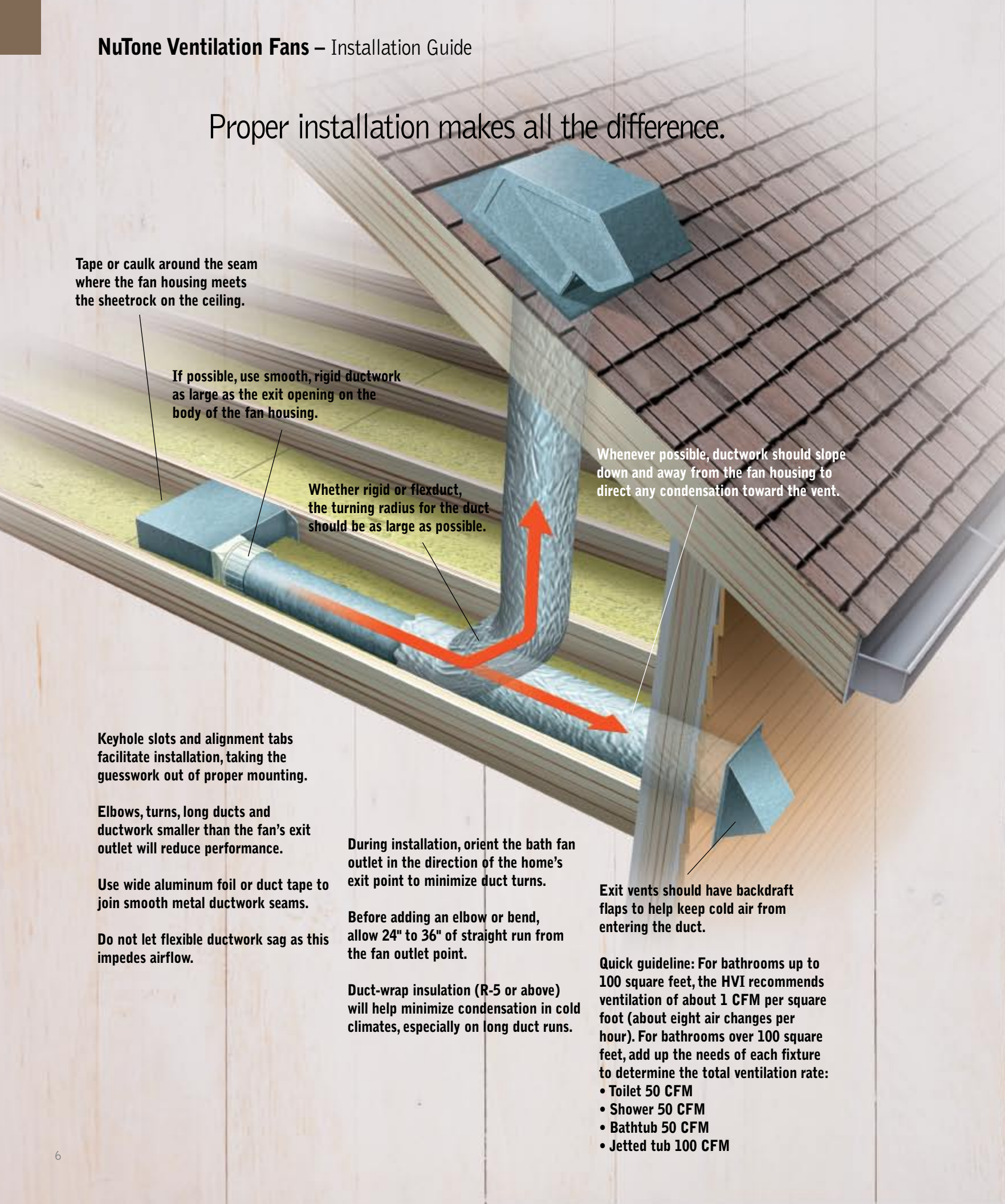
Tape or caulk around the seam where the fan housing meets the sheetrock on the ceiling.

If possible, use smooth, rigid ductwork as large as the exit opening on the body of the fan housing.

Whether rigid or flexduct, the turning radius for the duct should be as large as possible.

Whenever possible, ductwork should slope down and away from the fan housing to direct any condensation toward the vent.

Keyhole slots and alignment tabs facilitate installation, taking the guesswork out of proper mounting.

Elbows, turns, long ducts and ductwork smaller than the fan's exit outlet will reduce performance.

Use wide aluminum foil or duct tape to join smooth metal ductwork seams.

Do not let flexible ductwork sag as this impedes airflow.

During installation, orient the bath fan outlet in the direction of the home's exit point to minimize duct turns.

Before adding an elbow or bend, allow 24" to 36" of straight run from the fan outlet point.

Duct-wrap insulation (R-5 or above) will help minimize condensation in cold climates, especially on long duct runs.

Exit vents should have backdraft flaps to help keep cold air from entering the duct.

Quick guideline: For bathrooms up to 100 square feet, the HVI recommends ventilation of about 1 CFM per square foot (about eight air changes per hour). For bathrooms over 100 square feet, add up the needs of each fixture to determine the total ventilation rate:
• **Toilet 50 CFM**
• **Shower 50 CFM**
• **Bathtub 50 CFM**
• **Jetted tub 100 CFM**

Easy steps for choosing and sizing the right ventilation fan for your home.

Determine which rooms could use ventilation, and how much is needed. Spot ventilation is used in localized areas to remove moisture, odor and airborne pollutants quickly. Most commonly used in the bath or powder room, spot ventilation can also be used in a laundry room, exercise area, closet, or bedroom, wherever air should be changed frequently. Decorative and recessed models can be ideal solutions for these situations. According to the Home Ventilating Institute, Air Changes per Hour (ACH) for comfortable and healthy living should be as follows: Bathrooms: 8 changes, Kitchens: 15 changes, Living/bedrooms: 6 changes. NuTone bath fans, utility fans and high capacity fans meet these needs.

Calculate the air movement necessary for proper ventilation. Air movement is measured in Cubic Feet per Minute (CFM). To determine CFM requirements, first determine the size of your room. Measure and multiply the length, width and ceiling height of your room to determine cubic footage. Then use the multiplication factor of .13 and round up to the next "ten." See the three examples that follow.

Performance

A good ventilation fan is the product of research, testing and listening to the needs of consumers. At NuTone we build these desires into ventilation products that provide the best mix of power, sound and quality for every budget.

Example 1: Bathroom with 8' ceiling: 7' wide x 9' long x 8' high x .13 = 66. Select a bath fan with at least 70 CFM.

Example 2: Bathroom with 9' ceiling: 10' wide x 9' long x 9' high x .13 = 105. Select a bath fan with at least 110 CFM.

Example 3: For a bathroom with a vaulted ceiling, use the average ceiling height at the wall and the peak: 8' wide x 12' long x ((8' at wall + 12' at peak) / 2 = 10') average height x .13 = 125. Select a fan(s) with at least 130 CFM.

Account for long duct runs and ductwork that turns before it reaches the exterior vent. When airflow is restricted in any way it slows down. Just as a car must slow down for a sharp corner, air decelerates when going through a turn in a duct run. Whenever possible, create a straight duct run with large radius turns, if they're necessary at all. Rigid ductwork is optimal because airflow restriction is minimized. Flexible tubing may be convenient to install, but resistance is created as air is moved over the spiral metal frame of the tubing. With long duct runs or ducts with multiple turns the fan works harder, noise increases and fan performance (CFM) is compromised. Select a fan model with an even greater CFM ratio to compensate.

6" ducting overcomes most performance-related installation issues.

NuTone's QTX Series fans deliver high performance in virtually any real-world installation. They are engineered with a 6" duct connector for peak air movement and extremely quiet operation, even when the duct run is not short and straight.

Everything you need to know about home ventilation.

What is a sone, and how is it measured?
A sone is a measurement of sound in terms of comfortable hearing level for an average listener. The lower the sone value, the more comfortable the listening environment. Sones are not decibels or volume, but rather how sound is "sensed." One sone is the equivalent of a quiet refrigerator.

What does CFM mean?
CFM is the acronym for Cubic Feet per Minute—the measure of air volume moved by the fan blower. Choose a fan with a CFM rating appropriate for your room size to ensure adequate ventilation.

What is continuous ventilation?
Continuous ventilation provides today's airtight homes with a relatively constant and controlled lower level of ventilation. NuTone's extremely quiet and efficient Ultra Silent™ Series is ideally suited for these applications.

Can I mount NuTone fans above my tub and shower?
Most NuTone fans are rated for use over a shower or bathtub with a GFCI (Ground Fault Circuit Interrupter).

Can my ceiling fan be surrounded by insulation?
Yes. NuTone bath fans are designed to provide adequate cooling for motors and lighting, as well as products with integral heaters.

Will NuTone Fans work in wall-mount applications?
Some NuTone bath and utility fans may be wall mounted. See the spec matrix for specific models. Improper installation may affect fan life, safety and your warranty.

Will a ceiling fan or wall-mount utility fan serve as a range hood?
No. Range hoods are specifically designed to handle grease and high temperature environments. NuTone bath fans supplement odor and moisture removal in the kitchen, but are not intended for use as a range hood.

What does "static pressure" mean?
Static pressure is the measurement of airflow resistance as it is pushed through ductwork which reduces the effectiveness of the fan. Learn more on the Home Ventilating Institute web site www.hvi.org.

How long should a bath fan run after a shower is used?
The Home Ventilating Institute recommends that a fan should be left on for 20 minutes more to clear humidity adequately and to ensure moisture and condensation in the fan body or ducting is minimized.

What should I do if I can't wait for moisture to clear, but I don't want a fan to run all day long?
NuTone has sensing fans that detect the humidity rise caused by a shower and turn on automatically—when moisture has cleared it turns off. Some wall controls also give you the option of humidity sensing, or timer control. Just set it and forget it.

What are the timer features?
Delay-off timers automatically shut your fan off after a specified time interval. It's a nice feature in high traffic bathrooms where you may wish to let the fan run to clear moisture adequately. A timer counts down the minutes of fan operation selected by the user.

Where should the exhaust fan be located?
Exhaust fans should be located in or near the shower or tub, and in an enclosed water closet. Keep exhaust points opposite the supply air source to ensure that the fresh air is drawn through the room. Bathroom doors should not be sealed too tightly at the bottom in order to allow "make-up air" to enter the room when the door is closed.

How do I size a fan properly for my room size and the duct run?
See the sizing guidelines on page 7 for details on proper sizing. This section provides an explanation and examples to help you make the right decision.

Where is the exhaust outlet on the ventilation fan?
The exhaust outlet is the point where air is discharged through the body of the fan housing into the ductwork. During installation, orient your fan with the exhaust outlet pointing toward the exit vent on your roof or wall to minimize turns in ductwork that impede airflow.

Why do the windows and mirrors fog even when the fan is running?
If windows and mirrors are very cold, condensation can still form on these surfaces. And if your bathroom is sealed tightly, replacement air may not be entering the room fast enough to displace the moist air. Be sure to undercut your door sufficiently to draw fresh air into the room. Fan placement can also be a factor. Your fan should be located far from the replacement air source to ensure the moist air is drawn out first. Finally, too many twists and turns in the ducting will significantly reduce the ability of the blower to remove moist air. Make sure your ductwork is as short and straight as it can be, with gradual turns rather than tight corners where necessary.

Why is water dripping from the grille of the fan?
Dripping water is either condensation (usually due to cold ductwork or improper duct installation), or a problem with the seal on a wall or roof vent. Insulated ductwork can help solve condensation problems, and running the fan longer will ensure moisture is completely removed from the duct. Ductwork should slope down toward a wall vent to direct condensation out of the exterior vent opening rather than back into the fan housing.

Can I install a heater over the bathtub or in a shower?
No. Heaters are not UL Listed (Underwriter's Laboratory) for installation over a bathtub or in a shower.

Can I use an inline or multi-port fan in one large bathroom?
Yes, this works the best for large rooms because you can install the ports over the areas where the ventilation is needed the most (source control). The size of the multi-port would be determined by the size of the room.

Does a duct-free bath fan expel air?
No. A duct-free fan is not a ventilating device. It does not remove air from the room.

Can I use a smaller diameter duct than what the fan is designed for?
This is not recommended. It will cause the fan to run harder, greatly reducing the CFM performance of the fan and create excess noise.

Can larger diameter ducting be used with my bath fan?
Yes, larger diameters will result in improved performance.

What type of duct is recommended, rigid or flexible?
It is recommended, where possible, to use rigid duct. It has less resistance to air flow and allows the fan to operate much more efficiently. If flexible duct is used, be sure the duct is as straight as possible.

Can I exhaust my fan into my attic instead of out the roof or wall?
Never exhaust air into spaces within walls, ceilings, attics, crawl spaces or garages. The humidity may damage the structure and insulation.

What type of exhaust fan is best for a sauna or hot tub area?
High CFM-rated devices are normally recommended for this type of application.

Can I use a fan in a steam shower?
No. Since these are normally sealed chambers, a vacuum will be created.

Can I vent more than one bath fan out of a roof or wall cap?
No. Always follow the manufacturer's recommended ventilation requirements.

Quiet is good. Virtual silence is better.

The NuTone Ultra Silent™ **Series.**
There's a time for noise and excitement, and there's a time for more simple pleasures. The peaceful moment needn't be lost simply because your bath ventilation fan is uncomfortably loud. The ultra-quiet NuTone Ultra Silent™ Series solves everything.

Lower sones and more power.
The NuTone Ultra Silent™ Series started with a clean slate. We redesigned everything from the motor to the wheel to the housing,

all to reduce operating noise. An exciting new selection of high-style grilles will discretely complement your bathroom or make a bold

design statement. Whether you choose a bath fan, a fan/light or a combination heater/fan/light, NuTone has an ultra quiet solution for every concern.

How quiet is Ultra Quiet?
A newer refrigerator generates about 1 sone, while a normal conversation is about 2 sones. NuTone's Ultra Silent™ Series products are as quiet as <0.3 sones. They're the quietest fans available and deliver the power you expect for any room size.

Silence

Minimizing sound is best achieved by engineering the product correctly for real-world installations. NuTone's QTX Series is designed with efficient blowers and 6" ducting that will not restrict airflow.

Model QTXEN Humidity Sensing Fan, page 12   **Model QTXEN Humidity Sensing Fan/Light, page 20**   **Model QTXEN Fans, page 13**   **Model QTXEN Fan/Lights, page 21**

Models QTREN and QTRN Fans, page 13   **Model QTREN Fan/Light, page 21**   **Model QTRN Fan/Lights, page 21**   **Model QTXN Heater/Fan/Light, page 27**
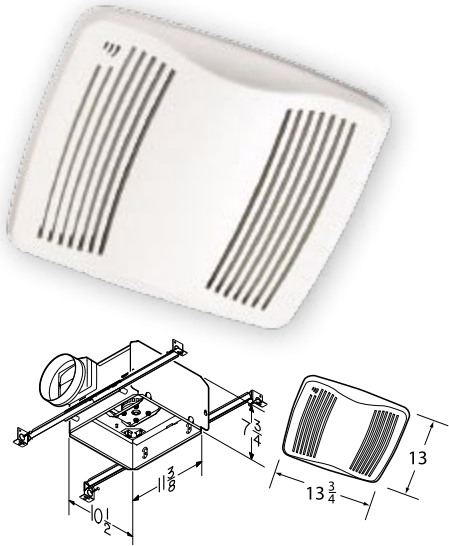
Ultra Silent™ Humidity Sensing Fan with Sensaire® technology. Sensaire® technology detects rapid increases in moisture levels at the ceiling, where steam and humidity naturally rises. Automatic shutoff saves worry, and money. A humidity sensing fan is ideal for anyone who leaves the house before humidity is properly vented. With a fan this quiet, you can't forget to turn it off when the job is done. That saves energy, and money.

QTXEN110S Model

Set it once. Never think about it again. The NuTone Ultra Silent™ humidity sensing fan starts automatically to help prevent cosmetic and structural problems associated with excess moisture. Sensaire® technology is a perfect solution for high traffic bathrooms, or the kid's bathroom.

• Detects the rapid rise in humidity
• Humidity sensed at the ceiling level
• Easy-to-set shut-off timer: 5–60 min.
• 0.7 sones, 110 CFM
• 6" ducting for superior performance
• UL Listed for use over tub or shower when installed in a GFCI protected branch circuit
• Includes hanger bar system for fast and flexible installation for all types of construction.
• Energy Star qualified
• HVI Certified
• Fits 2" x 8" ceiling construction

You have simple needs.
NuTone has simply everything.

NuTone Ultra Silent™ Series Bath Fans. A bath fan needn't call attention to itself, especially when you don't want it to overpower the design of your bath or powder room. More important, it shouldn't call attention to itself when it's working. So we developed the Ultra Silent™ Series to provide our quietest bath fans yet. With an energy efficient option, it simply does its job quietly, in every sense of the word.

QTXEN, QTREN and QTRN Fan Features

• Nearly silent operation <0.3 to 1.4 sones
• 50 CFM to 150 CFM
• QTXEN features 6" ducting for superior performance
• QTREN and QTRN models feature 4" ducting
• QTXEN and QTREN models are Energy Star qualified

• UL Listed for use over tub or shower when installed in a GFCI protected branch circuit
• QTXEN, QTREN and Housing Packs include hanger bar system for fast and flexible installation for all types of construction
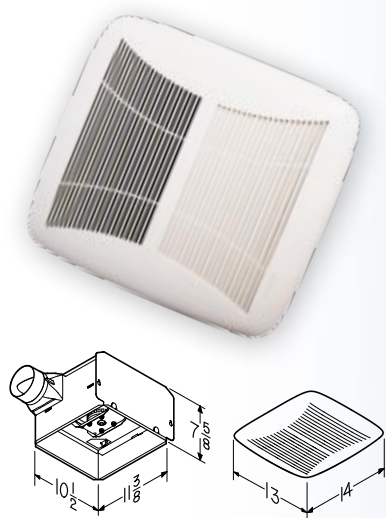• HVI Certified
• Fits 2" x 8" ceiling construction
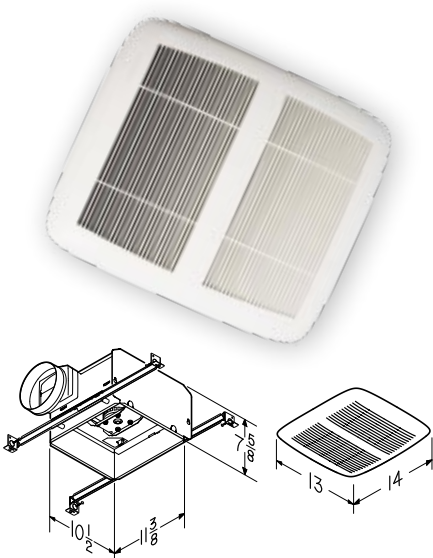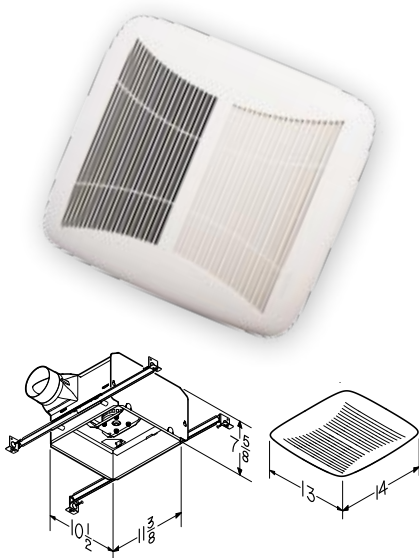
QTXEN Models | **QTREN Models** | **QTRN Models**

Fan Model	CFM	Sones	Energy Star	Bath Sq. Ft.	Ducting
QTXEN050	50	<0.3	Yes	45	6"▲
QTXEN080	80	0.3	Yes	75	6"▲
QTXEN110	110	0.7	Yes	100	6"▲
QTXEN110S*	110	0.7	Yes	100	6"▲
QTXEN150	150	1.4	Yes	140	6"▲
QTREN080	80	0.8	Yes	75	4"
QTREN110	110	1.3	Yes	100	4"
QTRN050+	50	0.4	—	45	4"
QTRN080	80	1.0	—	75	4"
QTRN110	110	1.5	—	100	4"

Energy Star fans use 65% less energy, on average, than standard models and may qualify for local utility rebates.
▲ See page 41 for 6" ducting (DT6W) product specifications.
* Humidity Sensing
+ Only available in Project Packs

Project Packs Available for QTREN and QTRN models
To simplify installation, Project Packs are available with either four fan or fan/light housings only. When drywall work and painting is complete, the fan components needed to finish the job are available in single packs under separate model numbers. These finish kits include the motor plate, motor, wheel and grille. See the matrix below for Project Pack order information.

Project Pack	Kit number:	For model:
Four-pack of FAN housings only:	QTXRN000HF	
One-pack finish kits for FAN models:	QTREN080F	QTREN080
	QTREN110F	QTREN110
	QTRN050F+	QTRN050+
	QTRN080F	QTRN080
	QTRN110F	QTRN110

*Only available in Project Packs

QTRN050F+
QTRN080F
QTRN110F
QTREN080F
QTREN110F

QTXRN000HF

690NT Bath Fan Upgrade Kit

The NuTone bath fan upgrade kit lets you convert your old bath fan to a brand new unit in just 10 minutes. Improve performance, reduce the sound level, and upgrade the appearance of your economy fan in minutes.

- Cut sound levels up to 50%
- Boost air movement up to 20%
- 10 minute installation
- 60 CFM, 3.0 Sones
- Modern white grille
- No special tools needed

Two motor plates, depending on your fan model.

New grille

Wrench

Quieter plug-in fan motor

NuTone 690NT Upgrade Kit replaces the models below:

If your grille looks like this:	The fan is very likely one of these models:	Housing dimensions:
	NuTone 693, 695, 696N	7½" x 7¼" or 8" x 7¼"
	Broan 670, 671, 688, 689	7½" x 7¼"
	Nautilus N671, N688	Not compatible with 8"x8¼"

- 80 to 110 CFM
- Centrifugal blower wheel and 4-pole motor deliver high exhaust capacity at low sound levels
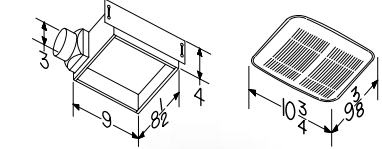- Mounting flanges with keyhole slots for fast installation

Model 8814R

- White polymeric grille with torsion spring mounting
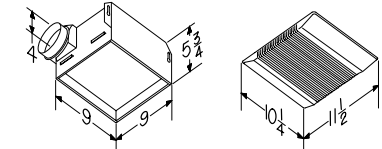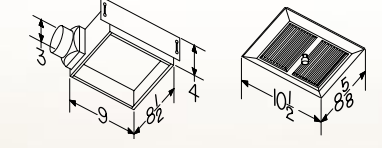
Model 8832WH

- White polymeric grille with torsion spring mounting
- Fits 2"x4" construction

Model 8832SA

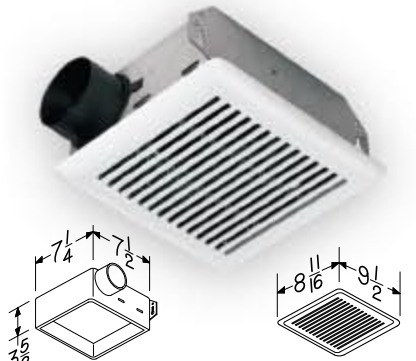- Silver anodized aluminum grille
- Fits 2"x4" construction

| Model	CFM	Sones	Notes
8832WH	80	2.5	Not UL tub & shower
8832SA	80	2.5	Not UL tub & shower
8814R	110	4.0	

Model 671R & 672R

Model 695 & 696N

- 50 to 110 CFM centrifugal blower wheel
- Double-strength steel mounting flanges with keyhole slots for fast installation
- Metal grille kits for 695 & 696N S97011308
- UL Listed for use over tub or shower when installed in a GFCI protected branch circuit
*All models available in Project Packs

Model	CFM	Sones	Notes
671R	90	3.0	Wall/Ceiling mount
672R	110	4.0	Wall/Ceiling mount
695	70	6.0	Wall/Ceiling mount
696N	50	4.0	Wall/Ceiling mount

Model 682NT
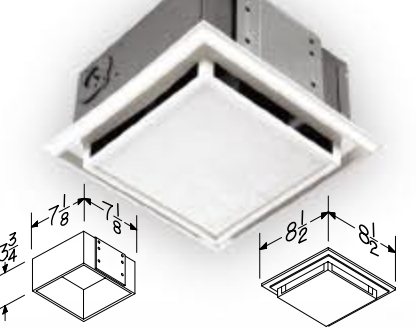
Duct-free

This easy-to-install solution is ideal where ventilation is needed but ducting is not possible. Use in half baths or rooms where humidity isn't a concern.

- Patented, fast snap-in metal housing installation
- Fan circulates air past replaceable activated charcoal filter model 97009563
- Fits 2"x4" ceiling or wall construction

For heavy duty applications, NuTone has solutions with the power you need. Heavy duty ventilation fans are ideal for high traffic bathrooms including light commercial installations and offices where operation continues throughout the day. NuTone heavy duty ventilation fans have enclosed motors engineered for continuous operation. These hard-working, quiet fans feature sealed, long-life bearings that never require lubrication. Durable, enameled metal grilles are easy to clean and resist breakage.

HD80NT, HD50NT, HD80LNT and HD50LNT Features

- Durable centrifugal blower wheel quietly delivers superior ventilation
- Totally enclosed motor design for continuous operation
- Lasts up to three times longer than residential units
- High-efficiency centrifugal blower wheel
- UL Listed for use over tub or shower when installed in a GFCI protected branch circuit
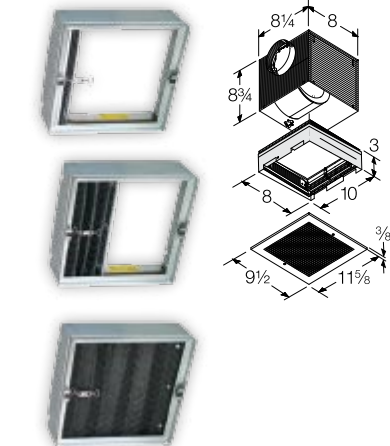
Model HD80NT & HD50NT
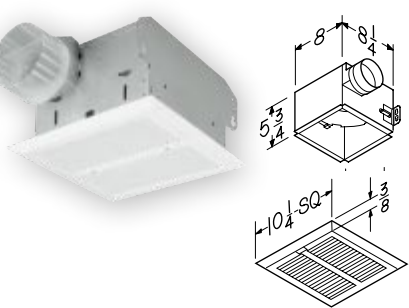
Model HD80LNT & HD50LNT
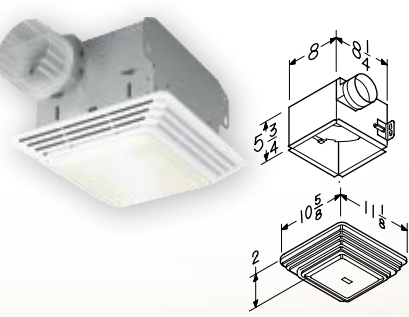
Model	CFM	Sones	Notes
HD50NT	50	1.5	Heavy-duty motor
HD50LNT	50	1.5	Heavy-duty motor
HD80NT	80	2.5	Heavy-duty motor
HD80LNT	80	2.5	Heavy-duty motor

Radiation/Fire Damper Fan Project Packs

A fire resistant screen automatically closes when excessive heat is detected. The breakaway fusible link triggers the closing of the radiation damper's fire resistant screen to prevent smoke and fire from traveling through the ductwork.

- UL Classified (UL Standard 555C) for use in 1-, 2-, 3-hour fire-rated floor-ceiling or roof-ceiling designs
- 165° fusible link
- Galvanized Steel Frame
- Stainless steel negator-type closure spring
- Available as Project Packs

Project Finish Packs include:
- Assembled motor plate, wheel and plug-in motor
- Rugged metal grille for added durability

Models 80RDB, 110RDB HD50RDB and HD80RDB

Project Housing Pack includes:
- Rough-in housing with attached radiation/fire damper
- Adjustable hanger bars that span up to 24"
- 4" metal duct connector with damper

Model RDA

Model	CFM	Sones	Notes
RDA	–	–	Housing four-pack
80RDB	80	2.5	Finishing four-pack
110RDB	110	4.0	Finishing four-pack
HD50RDB	50	1.5	Finishing four-pack
HD80RDB	80	2.5	Finishing four-pack

INTERTEK WH Warnock Hersey US

Powerful solutions for problem rooms.

Eliminate humidity or tobacco smoke from recreation rooms, workshops, or cooking odors from kitchens with these powerful utility ventilators. All feature powerful, permanently lubricated motors and rugged steel housings.

Ceiling Mount – Vertical Discharge
Model 686

- 686 7" vertical discharge
- White polymeric grille

Model 8210

- 7" vertical discharge
- Fan installs in the ceiling and ventilates directly through the roof with round ducting
- Paintable engineered resin grille installs with a single screw
- Adjustable hanger bars for 16" or 24" O.C. joists
- Motor mounting bracket has two slots that slide over two mounting screws on sleeve for faster installation
- Specially designed transition-type housing reduces diameter of discharge opening to fit 7" round duct; no reducer is needed

Wall/Ceiling Mount – Vertical/Side Discharge
Model QT200 & QT300
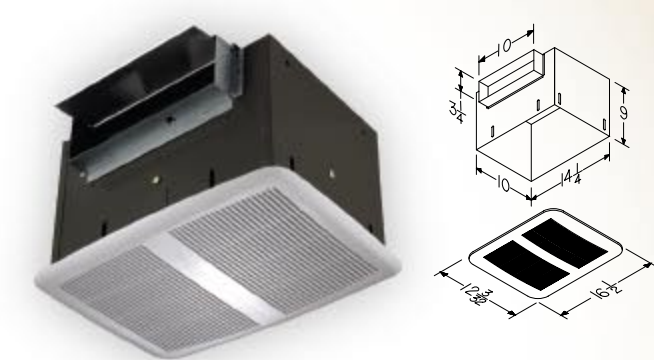
- Sturdy brown-enamel steel housing is lined with sound-deadening foam for quiet operation
- Low RPM motor plugs into prewired junction box
- Motor and twin blowers dynamically balanced for smooth, quiet operation
- Vents horizontally or vertically with 3¼" x 10" duct
- Duct collar with quiet backdraft damper included
- Installs easily between 16" O.C. joist with slotted mounting bracket. Slots on housing sides provide alternative mounting
- Wiring knockouts located on top and back of housing

Model 8310
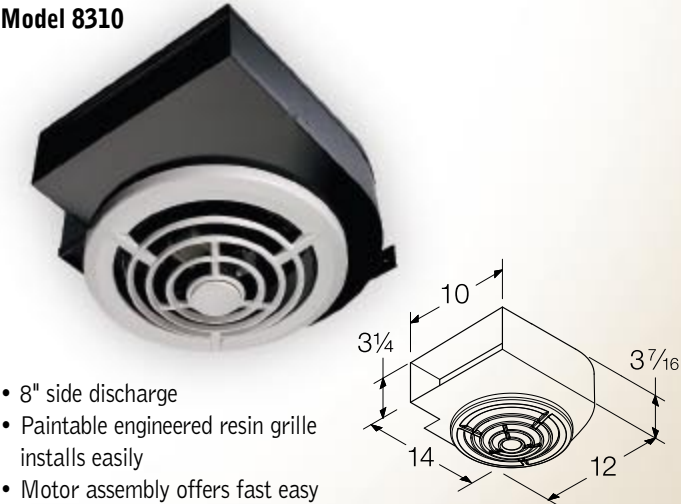
- 8" side discharge
- Paintable engineered resin grille installs easily
- Motor assembly offers fast easy "twist-lock" installation
- Specially designed fan blade stays in balance – will not distort
- Installs easily in walls or ceiling
- Built-in backdraft damper
- Fits 3¼" x 10" duct
- Adjustable mounting brackets span from 14" to 24" O.C. joist

Wall/Ceiling	CFM	Sones	Duct	Notes
8210	210	6.5	7"	Vertical
686	80	6.0	7"	Vertical
8310	160	5.0	3-1/4" x 10"	Rectangular Duct
QT200	200	2.0	3-1/4" x 10"	Rectangular Duct
QT300	300	4.5	3-1/4" x 10"	Rectangular Duct

Remote Mounted In-Line Ventilation Fans are quiet and efficient residential solutions. The concept is simple: mount a high-performance ventilator in an out-of-the-way spot and you get the power with virtually no sound. Install the housing in the attic or the basement, wherever it's most convenient and discrete.

In-Line Ventilators Features

- Energy-efficient, permanently lubricated motors
- High pressure centrifugal blowers easily accommodate long duct runs
- Designed for quick, easy installation
- HVI certified and AMCA licensed
- Suitable for intermittent or continuous ventilation applications
- Removable panel offers easy access to the electrical connections

In-Line Fans / Radon Mitigation

- Great solution for large, open spaces
- Install in virtually any orientation

Model ILF120

Model ILRF

- Radon Mitigation
- UL Listed for commercial applications

Model	CFM	Duct Size
ILF-120	110	4"
ILF-130	130	5"
ILF-250	250	6"
ILF-360	360	8"
ILF-530	530	10"
ILRF*	150	4" or 5"

*ILRF rated 150 CFM at 0.2" WG, 50 CFM at 1.5" WG.

In-Line Fan Kits

- Kits include all components to install a single dual point exhaust system (except wall control, wire and ducting)
- Each kit includes fan, grille, damper and duct clamps
- Model ILFK 250-2 contains 2 grilles (CVG6) and 3-way 6" Y adapter (model FY6)

Model ILFK-250-2

In-Line Fan Kits

Model	CFM	Duct Size
ILFK-120	110	4"
ILFK-130	130	5"
ILFK-250	250	6"
ILFK-250-2	250	6"

Accessories

Grilles/Intakes	Duct Size	Notes
CVG4	4"	Round Grille
CVG6	6"	Round Grille
CVL4	4"	Sleeve
CVL6	6"	Sleeve

Y Adapters Only

Model	Size
FY6	6" x 6" x 6"
FY86	8" x 6" x 6"

Dampers Only

Model	Size
CVLD4	4"
CVLD5*	5"
CVLD6	6"

*Use with CVG4.
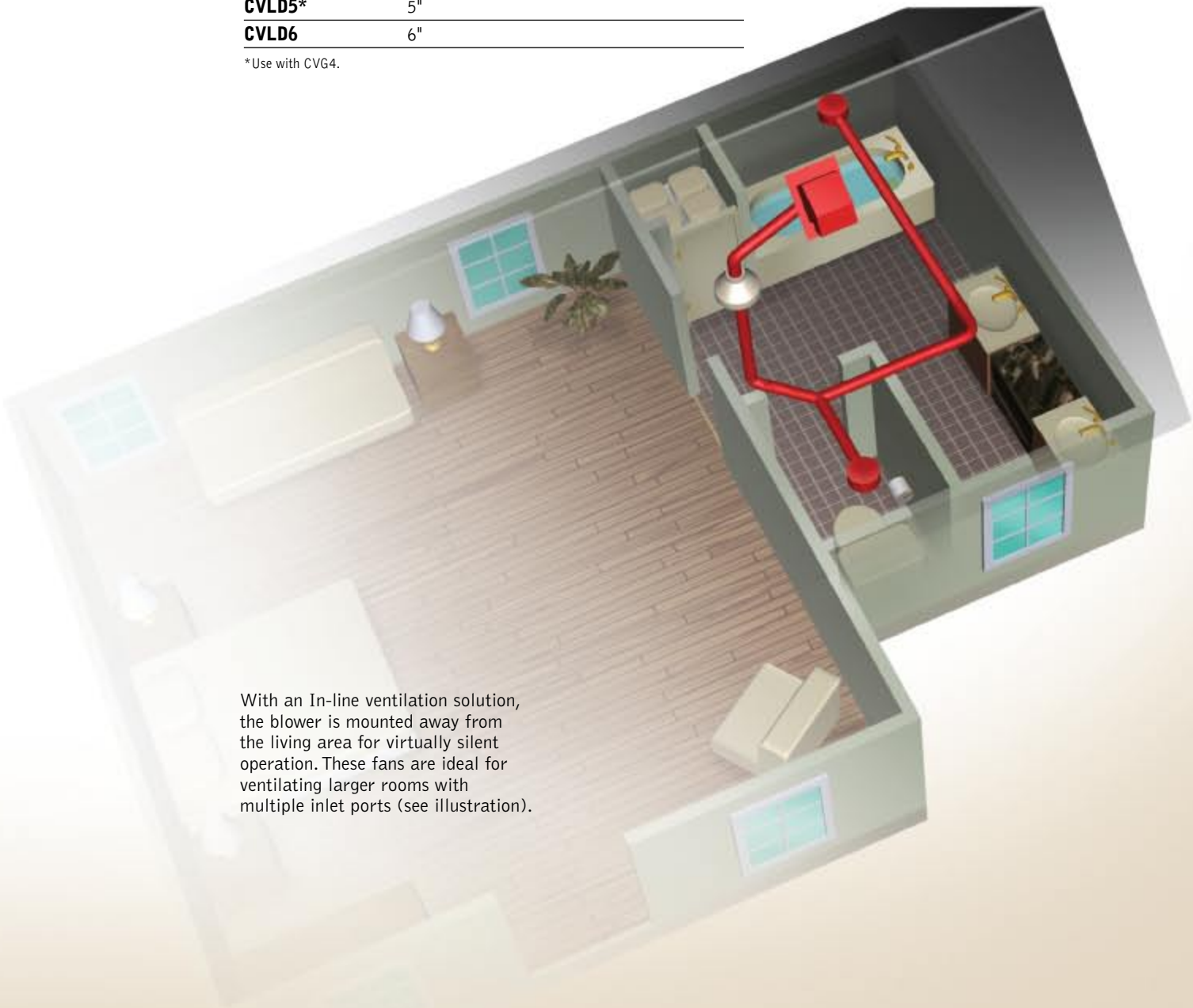
With an In-line ventilation solution, the blower is mounted away from the living area for virtually silent operation. These fans are ideal for ventilating larger rooms with multiple inlet ports (see illustration).

HVI 2100 CERTIFIED

# If you listen very closely, you'll discover it's also a ventilation fan.

Ultra Silent™ Humidity Sensing Fan/Light with Sensaire® technology. Sensaire® technology detects rapid increases in moisture levels at the ceiling, where steam and humidity naturally rises. Automatic shutoff saves worry, money. Humidity sensing fans are ideal for anyone who leaves the house before humidity is properly vented. With a fan this quiet, you can't forget to turn it off when the job is done. That saves energy, and money.

QTXN110SL & QTXEN110SFLT Models
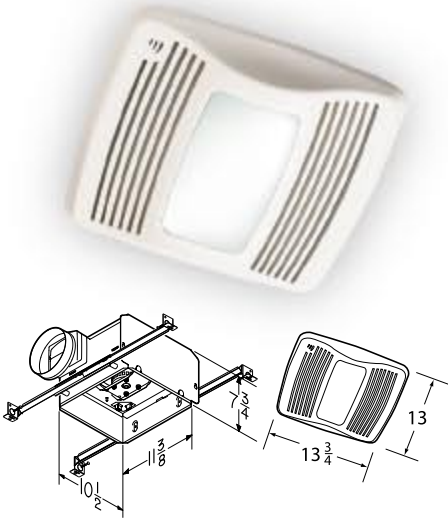
Set it once. Never think about it again. NuTone's Ultra Silent™ humidity sensing fan/light turns on and off automatically to help prevent cosmetic and structural problems associated with excess moisture. Sensaire® technology is a perfect solution for high traffic bathrooms, or the kid's bathroom.

- Detects the rapid rise in humidity
- Humidity is sensed at the ceiling level
- Easy-to-set shut-off timer: 5–60 minutes
- QTXEN110SFLT: 42-watt fluorescent bulb (bulb included)
- QTXN110SL: 100-watt incandescent lighting (bulb not included)
- 4-watt nightlight (bulb not included)
- 6" ducting for superior performance
- UL Listed for use over tub or shower when installed in a GFCI protected branch circuit
- Includes hanger bars for fast, flexible installation in all types of construction
- HVI Certified
- Type IC

NuTone Ultra Silent™ Series Fan Lights. The Ultra Silent™ line represents the ultimate in bath fan solutions for today's homes. Select an Ultra Silent™ fan/light to bring elegance to any bath or powder room. Whether by sight or by sound, you'll barely notice the Ultra Silent™ line. Except, of course, when you need the right amount of ventilation and light at the touch of a switch.

QTXEN, QTREN and QTRN Fan/Light Features

- Nearly silent operation 0.3 to 1.4 sones
- 80 CFM to 150 CFM
- QTXEN models feature 6" ducting for superior performance
- QTREN and QTRN models feature 4" ducting
- QTXEN and QTREN models are Energy Star qualified
- Bright, energy efficient 42-watt fluorescent bulb included with QTXEN and QTREN models
- 100-watt lighting from an incandescent bulb on QTRN models
- 4-watt nightlight on all models

- QTXEN, QTREN and Housing Packs include hanger bar system for fast and flexible installation for all types of construction
- UL Listed for use over tub or shower when installed in a GFCI protected branch circuit
- HVI Certified
- Motor engineered for continuous operation
- Type IC
- Fits 2" x 8" ceiling construction
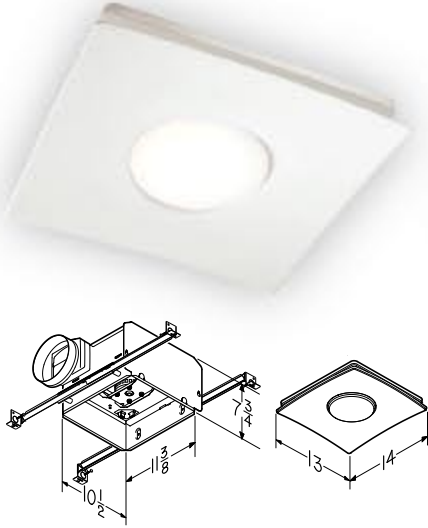
QTXEN Models   **QTREN Models**   **QTRN Models**

Model	CFM	Sones	Light/ Nightlight	Energy Star	Title 24 Compliant	Duct
QTXEN080FLT	80	0.3	42W / 4W	Yes	Yes	6" ▲
QTXEN110FLT	110	0.7	42W / 4W	Yes	Yes	6" ▲
QTXEN110SFLT*	110	0.7	42W / 4W	Yes	Yes	6" ▲
QTXEN150FLT	150	1.4	42W / 4W	Yes	Yes	6" ▲
QTXN110SL*	110	0.9	100W / 4W	—	—	6" ▲
QTREN080FLT	80	0.8	42W / 4W	Yes	Yes	4"
QTREN110FLT	110	1.3	42W / 4W	Yes	Yes	4"
QTRN080L	80	1.0	100W / 4W	—	—	4"
QTRN110L	110	1.5	100W / 4W	—	—	4"

Energy Star fans use 65% less energy, on average, than standard models and may qualify for local utility rebates.
▲ See page 41 for 6" ducting (DT6W) product specifications.
* Humidity Sensing

Fluorescent lighting is Title 24 compliant.

Project Packs Available for QTREN Models
To simplify installation, Project Packs are available with either four fan or fan/light housings only. When drywall work and painting is complete, the fan components needed to finish the job are available in single packs under separate model numbers. These finish kits include the motor plate, motor, wheel and grille. See the matrix below for Project Pack order information.

Project Pack	Kit number:	For model:
Four-pack of FAN/LIGHT housings only:	QTXRN000HL	
One-pack finish kits for FAN/LIGHT models:	QTREN080FLFT QTREN110FLFT	QTREN080FLT QTREN110FLT

QTXRN000HL

QTREN080FLFT
QTREN110FLFT

A beautiful balance of elegance and performance. Now you can ventilate while adding quiet elegance and exceptional design to your bathroom or any other room in your home. The NuTone series of decorative fan/lights delivers quality ventilation performance and complements your room with beautifully styled glass globe lighting. These fan/lights are available in five, corrosion-resistant decorator finishes: oil-rubbed bronze, antique crackle nutmeg, satin nickel, white, and polished brass.

Decorative Glass Light Fixture/Fans Features

- 70 CFM or 80 CFM models
- 3.5 sones or quieter 2.5 sone models
- Corrosion-resistant finishes
- Beautifully styled glass globe
- Plug-in lighting fixture and permanently lubricated motor
- Two 60-watt max incandescent bulbs (not included)
- 741WHFLNT uses two 13-watt fluorescent bulbs

- Polymeric blower wheel
- Rugged steel housing finished with electrically bonded epoxy paint
- Sturdy, keyholed mounting brackets for quick, accurate installation
- Fits in 2" x 6" ceiling construction
- Tapered, polymeric 4" round duct fitting for easy, positive duct connection and no metallic clatter
- Type IC

Model 741BRNT

Model 741WHNT & 741WHFLNT

Model 741SNNT

741NT
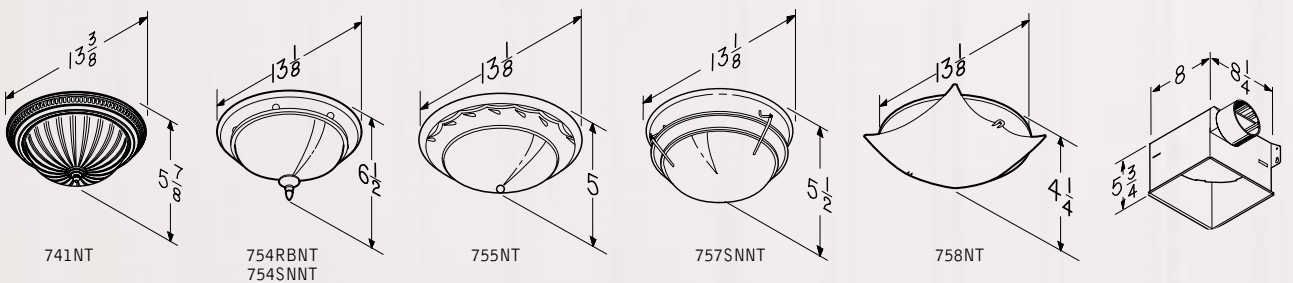
754RBNT
754SNNT

755NT

757SNNT

758NT

Model 754SNNT

Models 757SNNT

Model 754RBNT

Models 758NT
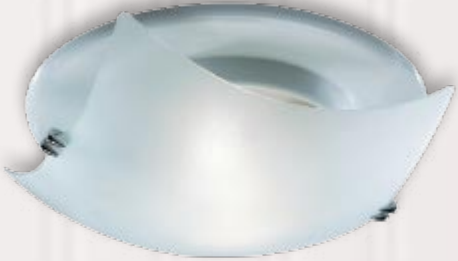
Model 755NT

Model	CFM	Sones	Lighting	Finish
741BRNT	70	3.5	2-60W Incandescent	Polished Brass
741WHNT	70	3.5	2-60W Incandescent	Gloss White
741WHFLNT	70	3.5	2-13W Fluorescent	Gloss White
741SNNT	70	3.5	2-60W Incandescent	Satin Nickel
754SNNT	70	3.5	2-60W Incandescent	Satin Nickel
754RBNT	70	3.5	2-60W Incandescent	Oil-rubbed Bronze
755NT	70	3.5	2-60W Incandescent	Antique Nutmeg
757SNNT	80	2.5	2-60W Incandescent	Satin Nickel
758NT	70	3.5	2-60W Incandescent	White

You'd never know it's a fan, and that's the point.

Recessed lights are popular lighting solutions. But NuTone took it a step further by incorporating powerful ventilation in the same design. Our new fan lights disappear into the ceiling with other recessed lights, so they are practical decorating solutions for any room in the house. In the bath they control humidity, and in a utility room, kitchen or high-traffic family room they keep the air fresh and comfortable.

Recessed Fan Light
• High efficiency centrifugal fan delivers 70 CFM at 1.5 sones
• Trim matched to designs of major recessed light manufacturers
• Multiple units can be used in larger rooms
• Model 744NT uses a 75-watt bulb, either R30 or BR30 for standard applications
• Model 744FLNT uses a 14-watt R30 shaped fluorescent bulb (bulb included)
• UL Listed for use over tub or shower when installed in a GFCI protected branch circuit. Model 744NT also requires a PAR30L or PAR30LN type bulb
• 6-3/4" high housing appropriate for new construction and 2" x 8" ceiling joists
• 4" round duct connector
• Not for use over cooking surfaces
• Optional wall control switches available
• Type IC, sealed housing

Model 744NT & 744FLNT

HVI CERTIFIED ® 2100
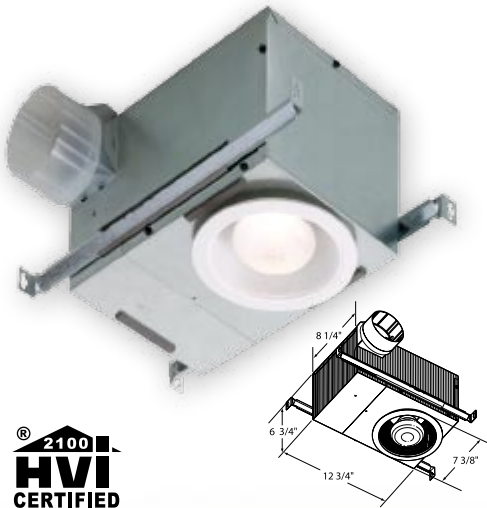
Model	CFM	Sones	Lighting	Energy Star	Title 24 Compliant
744NT	70	1.5	75W	—	—
744FLNT	70	1.5	14W Fluor.	Yes	Yes

Energy Star fans use 65% less energy, on average, than standard models and may qualify for local utility rebates.

TITLE 24 Fluorescent lighting is Title 24 compliant.

A touch of style. Surround the soft glow of a frosted glass lens with an attractive grille. All units feature NuTone's quality touches throughout to make attractive complements to any décor.

Designer Fan/Light Combination Unit Features

• Durable centrifugal blower wheel quietly delivers superior ventilation
• Plug-in, permanently lubricated motor surrounded by rugged steel housing for outstanding reliability
• UL Listed for use over tub or shower when installed in a GFCI protected branch circuit
• Classic white grilles complement virtually any décor
• Mounting ears offer quick, sturdy installation
• Polymeric duct connectors with tapered sleeves for easier, positive ducting
• Bright 100-watt light capacity combines with a 7-watt nightlight for added security and safety (bulbs not included)
• Three-function control recommended for models with nightlights
• 4" round duct connector
• Type IC

Models 8663RP, 8664RP & 8663RFT

• Round design eliminates squaring with bathroom walls
• Fits 2" x 6" ceiling construction
• 8663RFT features a 42W fluorescent bulb (not included)
• 8663RP features bright 100W incandescent lighting with 7W nightlight for security and safety (bulbs not included)
• 8664RP features bright 100W incandescent lighting (bulb not included)
• 24" adjustable hanger bars

Model	CFM	Sones	Lighting	Finish
8663RFT	100	3.5	42W fluor.	White
8663RP	100	3.5	100/7W	White
8664RP	100	3.5	100W	White
763RLN*	50	2.5	100W	White
668RP	70	4.0	100W	White
769RFT*	70	3.0	13W fluor.	White
769RL*	70	3.0	100W	White

* Available in single packs or project packs.

TITLE 24 Fluorescent lighting is Title 24 compliant.

Models 769RL, 763RLN, and 769RFT

• White polymeric grille
• Fits in 2" x 6" ceiling construction
• 769RFT uses 13W fluorescent bulb (not included)
• All models available in Project Packs

Model 668RP

• White polymeric grille
• Rectangular fan light
• Fits in 2" x 6" ceiling construction
• 24" adjustable hanger bars
• Mounting brackets that adjust for ceiling thickness up to 3/4"

Comfort and convenience combined.

NuTone Ultra Silent™ Series Heater/Fan/Lights. You could wait 15 minutes for your central heating system to take the chill from your bathroom, all while it heats every other room in the house. Or, you could select instant heat when it's needed with the QTXN line. Powerful heating, light and ventilation are available at the touch of a switch. And with our PowerHeat™ design, you're assured that the energy converted to heat is efficiently delivered back to you.

QTXN Heater/Fan/Light Features

- Heater/Fan/Light nightlight brings convenient, comforting warmth to your bathroom
- Nearly silent operation – 0.9 sone, 110 CFM fan
- Quiet, high-output 1500-watt heater with exclusive PowerHeat™ design (see below)
- 6" ducting for superior performance
- Bright 120-watt lighting (two 60W incandescent bulbs)

- 7-watt nightlight capacity
- Fan motor is engineered for continuous operation
- HVI Certified
- Type IC
- Requires a dedicated 20 amp circuit
- Four-function wall switch sold separately*
- Fits in 2" x 8" ceiling construction

QTXN Heater/Fan/Light

PowerHeat™ is a NuTone design which maximizes heat output per watt. By placing the heater element very close to the forced air exit grille, the internal components are not heated. Heat is delivered into the bathroom and does not escape into the ceiling or attic space.
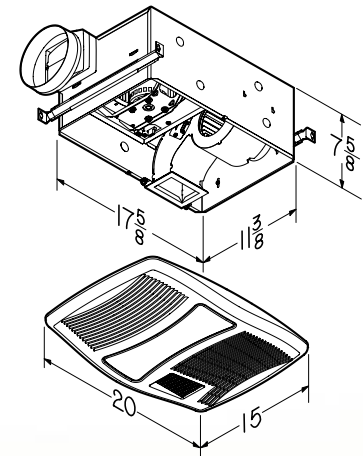
Model	CFM	Sones	Bath Sq. Ft.	Lighting/ Nightlight	Heater Watts	Ducting
QTXN110HL*	110	0.9	100	2-60W / 7W	1500	6"

*Switch not included. Use 77DW or 77DV (see page 39).

Heat-A-Ventlite® Fan Light Features

- Designer white polymeric grilles complement virtually any décor
- Fan, light and heater function independently or together

Heater/Fan/Light
- Fits in 2" x 6" ceiling construction
- 1300W heating element provides optimum performance in smaller spaces
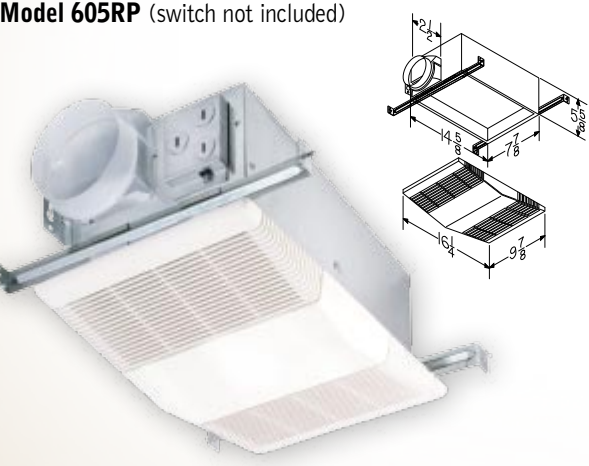- White polymeric grille

Model 665RP
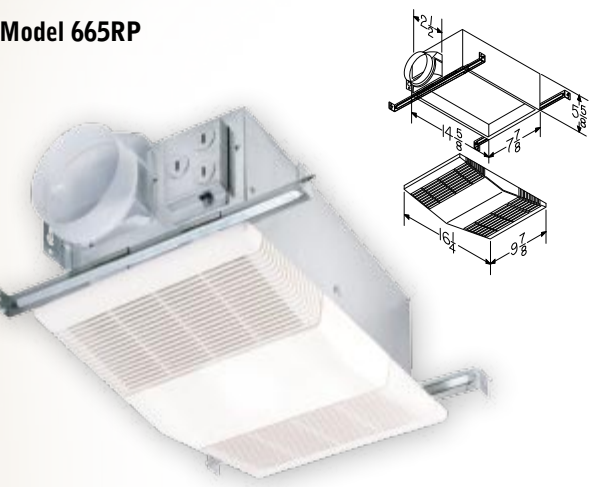
- Bright 100W incandescent light capacity

Heat-A-Vent®
- Fits in 2" x 6" ceiling construction
- 1300W heating element provides optimum performance in smaller space
- Improved hanger bar locks position after securing unit to rafters
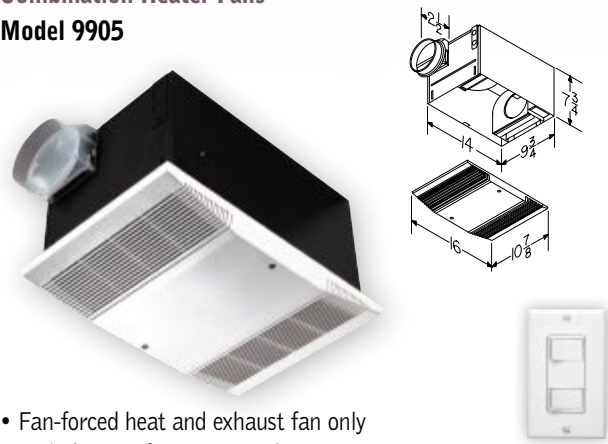
Model 605RP (switch not included)

- White polymeric finish grille

QuietTest

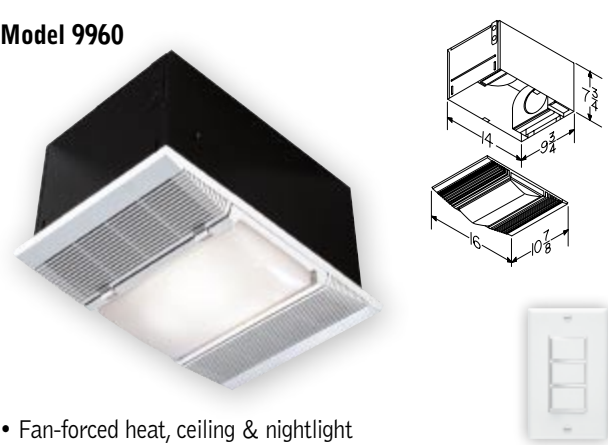| Heat-A-Ventlite	CFM	Sones	Lighting	Heat	Finish
Heat-A-Ventlite					
665RP	70	4.0	100	1300W	White Polymeric
Heat-A-Vent					
605RP	70	4.0	n/a	1300W	White Polymeric

Combination Heater Fans

Model 9905

- Fan-forced heat and exhaust fan only
- Includes two-function switch
- 1500 watts

Model 9960

- Fan-forced heat, ceiling & nightlight
- Includes three-function switch
- 1500 watts

Model 9965

- Fan-forced heat, exhaust fan, ceiling & nightlight
- Includes four-function switch
- 1500 watts

Model	CFM	Sones	Lighting	Heat	Wall Switch
9905	70	4.0	n/a	1500W	2-function
9960	–	–	100/7	1500W	3-function
9965	70	4.0	100/7	1500W	4-function

QuietTest™ Heat-A-Ventlite®
- Powerful ventilation
- Extra-quiet operation
- Bright ceiling light
- Convenient nightlight
- White enamel grille
- 1500 watts of powerful heat
- Includes a four-function wall switch
- Fits 2" x 8" ceiling construction

Model QT9093WH

Model 9093WH

QuietTest

Heat-A-Ventlite	CFM	Sones	Lighting	Heat
QT9093WH	110	3.0	100/7	1500W
Heat-A-Ventlite				
9093WH	70	3.5	100/7	1500W

Bulb Heater Fans. Silent warmth and superior ventilation. Trust NuTone Bulb Heater/Fans and Bulb Heaters for energy-saving warmth and instant comfort without ever having to touch your central thermostat. These units deliver superior performance and excellent ventilation in a compact package.

Bulb Heater/Fan Features
- Quiet, highly efficient polymeric blower wheels
- Polymeric dampers prevent backdrafts and eliminate mechanical noise
- Polymeric 4" round duct connectors with tapered sleeves simplify ducting
- Operate fan and heater independently or together
- Attractive white polymeric grilles
- Compact steel housings with adjustable mounting brackets with keyhole slots that span up to 24"
- 250-watt R40 or BR40 size infrared bulbs (not included)
- Type IC, UL Listed for 60°C wiring (retrofits)

Model 9417DN
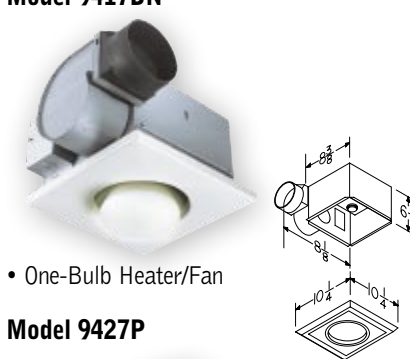
- One-Bulb Heater/Fan

Model 9427P
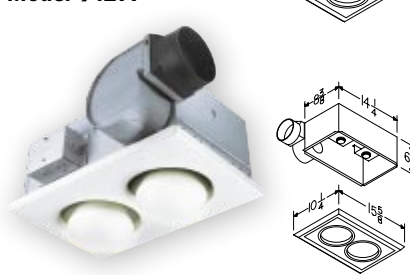
- Two-Bulb Heater/Fan
- Two-function control (available separately)

Model	CFM	Sones	Heat
9417DN	70	3.5	250W*
9427P	70	3.5	500W*

*Infrared bulbs not included

Bulb Heaters Only
- Infrared bulbs deliver energy-saving warmth
- Get instant comfort in the bathroom without turning up the central thermostat
- 250-watt R40/BR40 size infrared bulbs (not included)
- Attractive, white polymeric grilles
- Compact steel housings
- Adjustable mounting brackets with keyhole slots span up to 24"

Model 9412D
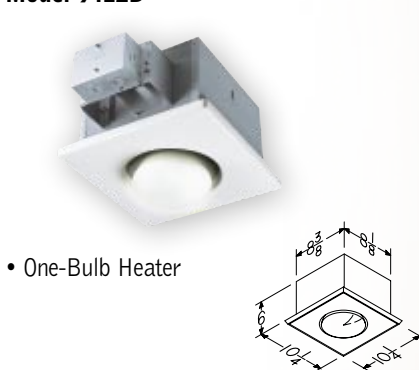
- One-Bulb Heater

Model 9422P
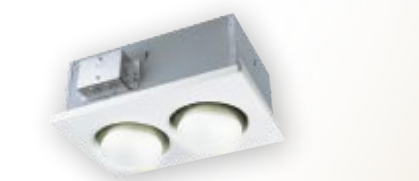
- Two-Bulb Heater
- IC rated

Model	Watts	Volts	Amps
9412D*	—	120	2.1
9422P	—	120	4.6

*9412D is not IC rated

**Indicator Light Control
for Ultra Silent™ Models**

Multi-Function Control

**Speed Control for quieter
operation or full power**

**Timer and Off-delay Controls
for unattended moisture removal**

Variable-Speed Wall Controls

Model CFVS-1N
• Variable speed control
• 10.1 amps
• Unlimited fan motor speeds

Model 57W, 57V (3-Amp)*
• 120V, 3 amps
• Fits single-gang box
• Positive on/off action—dial
  for variable selection of air
  speeds and sound levels
• Built-in radio noise suppressor
• Controls available in White (W) or Ivory (V)

Model 72W, 72V
• 120V, 6 amps
• Other features
  same as 57W / 57V

Single-Function Wall Controls

Model DH100W
• Dehumidistat with variable
  setting from 20–80%
  relative humidity
• Dual voltage 24V/120V

Timed Wall Controls

Model CFT-12WH
• 12-hour time switch
• Rotary dial
• 20 amps

Model VS-62WH
• 60-minute time switch
• For all NuTone heaters and
  fans except Pull-Chain type
• 20 amps

Model VS-63WH
• 15-minute time
• For all NuTone heaters and
  fans except Pull-Chain type
• 20 amps

Timed Wall Controls

Model VS-66WH
• 60-minute timer
• Separate on/off control
• For two-gang outlet box
• Timer controls any NuTone
  heater or Ventilator
• On/Off section can be used for a
  separate light, vent or heater

Model VS-67WH
• 60-minute timer
• Separate on/off controls
• For two-gang outlet box
• Timer section may control
  any NuTone heater or
  Ventilator
• On/Off section can be used for a
  separate light, vent or heater

Model VS-68WH
• 15-minute timer
• Separate on/off control
• For two-gang outlet box
• Timer controls any NuTone
  heater or Ventilator
• On/Off section can be used for a
  separate light, vent or heater.

Model VS-69WH
• 15-minute timer
• Separate on/off controls
• For two-gang outlet box
• Timer controls any heater
  or Ventilator
• On/Off section can be used for
  a separate light, vent or heater

Attic Humidity Control

Model HU100
• For use with attic ventilator
  models 350, 355, 356, 358
  and RF-49BR
• For single-gang outlet box
• 120V / 6.0 amps

Multi-Function / Lighted Controls

Model 68W, 68V, P68W
• Two-Function Controls
• Two independent, 120V, 15
  amp rocker switches
  (20 amps total)
• Fits single-gang box
• Controls available in White (W) or Ivory (V)
• Blister pack available, P68W

Model 66W, 66V, P66W
• Three-Function Controls
• Three independent, 120V,
  15 amp rocker switches
  (20 amps total)
• Fits single-gang opening
• Controls available in
  White (W) or Ivory (V)
• Blister pack available, P66W

Model 77DW, 77DV, P77DW
• Four-Function Controls
• Single switch provides three
  settings for fan sensor (On-Auto-
  Off) on Sensing models
• Remaining switches for light/nightlight
• Works with QTX110HL heater/fan/light/
  nightlight
• Controls available in White (W) or Ivory (V)
• Fits single-gang opening
• Blister pack available, P77DW

Model 69WL, 69VL
• Single-Function Controls
• For use with Ultra Silent™
  Series fan units, or Remote
  In-Line Ventilators
• 120V, 20 amps
• Red light lets you know power is on
• Controls available in White (W) or Ivory (V)

Model P59W
• 60-minute timer with
  "continuous on" feature
• Fits single gang box
• 120V / 20 amp or
  240V / 10 amp

|	57W, 57V	P59W	61W, 61V	66W, 66V, P66W	68W, 68V, P68W	69WL 69VL	72W, 72V	77DW, 77DV	CFVS-1N	DH100W	HU100	VS-62WH	VS-63WH	VS-66WH	VS-67WH	VS-68WH	VS-69WH
Ventilation Fans																	
671R		•										•	•				
672R		•								•		•	•				
682NT		•										•	•				
695		•								•		•	•				
696N		•								•		•	•				
8814R		•								•		•	•				
8832SA		•								•		•	•				
8832WH		•								•		•	•				
HD50NT	•	•	•			•	•			•							
HD80NT	•	•	•			•	•			•							
QTREN080	•	•				•	•		•	•		•	•				
QTREN110	•	•				•	•		•	•		•	•				
QTRN080	•	•				•	•		•	•		•	•				
QTRN110	•	•				•	•		•	•		•	•				
QTXEN050	•	•				•	•		•	•		•	•				
QTXEN080	•	•				•	•		•	•		•	•				
QTXEN110	•	•				•	•		•	•		•	•				
QTXEN110S						•											
QTXEN150	•	•				•	•		•	•		•	•				
Ventilation Fan/Lights																	
668RP	•	•		•			•			•		•	•	•		•	
741BRNT		•		•						•				•		•	
741SNNT		•		•						•				•		•	
741WHNT		•		•						•				•		•	
741WHFLNT		•		•						•				•		•	
744NT		•		•						•				•		•	
744FLNT		•		•						•				•		•	
754RBNT		•		•						•				•		•	
754SNNT		•		•						•				•		•	
755NT		•		•						•				•		•	
757SNNT		•		•						•				•		•	
758NT		•		•						•				•		•	
763RLN		•		•						•				•		•	
769RFT		•		•						•				•		•	
769RL		•		•						•				•		•	
8663RFT				•						•					•		•
8663RP				•						•					•		•
8664RP		•		•						•				•		•	
8673RP				•						•					•		•
HD50LNT	•			•			•	•		•				•			
HD80LNT	•			•			•	•		•				•			
QTREN080FLT	•			•			•		•						•		•
QTREN110FLT	•			•			•		•						•		•
QTRN080L	•			•			•		•						•		•
QTRN110L	•			•			•		•						•		•
QTXEN080FLT	•			•			•		•						•		•
QTXEN110SFLT	•			•			•		•						•		•
QTXEN110FLT		•						•									
QTXEN150FLT	•			•			•		•						•		•
QTXN110SL		•						•									
Heater/Fan/Lights																	
605RP		•										•	•	•		•	
665RP		•										•	•	•		•	
9093WH								•									
9412D												•	•				
9417DN		•		•								•	•	•		•	
9422P		•		•	•							•	•	•	•	•	•
9427P		•		•								•	•	•	•	•	•
9905		•										•	•	•		•	
9960												•	•		•		•
9965								•									
QT9093WH								•									
QTXN110HL								•									
Utility Fans																	
686		•								•		•	•				
8210	•	•					•		•	•		•	•				
8310	•	•					•		•	•		•	•				
QT200	•	•					•		•	•		•	•				
QT300		•					•		•	•		•	•				

Roof Caps

Model 634 Roof Cap
• For 3-1⁄4" x 10" or up to 8" round duct
• Built-in backdraft damper and bird screen
• Steel baked black enamel finish
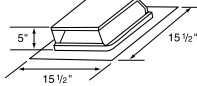
Model 636 Roof Cap
• For 3" or 4" round duct
• Built-in backdraft damper and bird screen
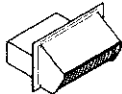• Steel baked black enamel finish
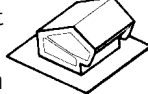
Model 636AL Roof Cap
• Same as Model 636, except aluminum natural finish

Wall Caps

Model 639 Wall Cap
• Spring-loaded backdraft damper
• For 3-1⁄4" x 10" duct
• Built-in bird screen
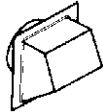• Steel baked black enamel finish

Model 649 Wall Cap
• Same as Model 639, except aluminum natural finish

Model 641 Wall Cap
• For 6" round duct
• Aluminum natural finish
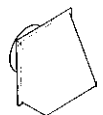• Built-in backdraft damper & bird screen

Model 843-BL Wall Cap
• For 6" round duct
• Built-in backdraft damper and bird screen
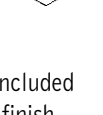• Steel baked black enamel finish

Model 643 Wall Cap
• For 8" round duct
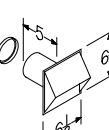• Aluminum natural finish

Model 885-BL Wall Cap
• For 3" or 4" round duct
• 3" to 4" round transition included
• Steel baked black enamel finish
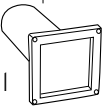• Spring operated built-in backdraft damper and bird screen

Model 885-AL Wall Cap
• Aluminum finish
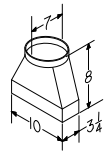• All other features same as 885-BL

Model WC650 Wall Cap
• 4" round duct
• Includes rigid through-wall duct collar
• White plastic finish

Transitions

Model 886 Transition
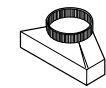• Converts 7" round to 3-1⁄4" x 10" duct

Model 475 Transition
• Converts 6" round duct to 4" round duct reducer
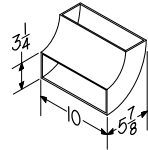• Available in 6 Pack (475B)

Model 413 Transition
• Converts 3-1⁄4" x 10" duct to 8" round duct

Ducting, Elbows, Dampers

Model 839 Elbow
• 90° turn
• For use with 3-1/4" x 10" duct

Model 97 Damper
• 7" spring-loaded, In-Line damper.

Model BP87 Damper
• 7" vertical discharge damper.

Model 407 Round Duct
• 7" round duct
• 2' galvanized section

Model 410 Round Duct
• 10" round duct
• 2' galvanized section

Insulated Flexible Duct

Models 804DU, DT6W
• 4" (804DU) or 6" (DT6W) round
• 25' standard length

Adapter Kits

Model RVK1A
• Complete kit designed to vent kitchen or bath exhaust fan through a slanted roof
• Works with 3" and 4" ducts
• 8' in length
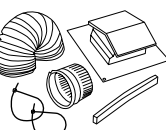
Model WVK1A
• Complete kit designed to vent kitchen or bath exhaust fan through a wall
• Works with 3" and 4" ducts
• 5' in length
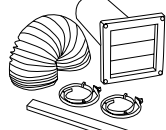
Adapters

Model FY6
• 6" x 6" x 6" Y adapter

Model FY86
• 8" x 6" x 6" Y adapter

Sleeves

Model CVLD4
• 4" sleeve with damper

Model CVLD5
• 5" sleeve with damper
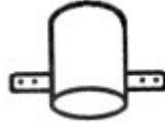
Model CVLD6
• 6" sleeve with damper

Grilles

Model S97011308
• Metal Grille kit
• Steel baked white enamel finish
• Fits fan models 695, 696N, 690RMTLA and 696MTL

Model CVG4
• 4" round grille
• Backdraft damper sold separately

Model CVG6
• 6" round grille
• Backdraft damper sold separately

Replacement Filters

Model 834 Filter
• For 8" fans and VG-54 Damper

Model 854 Filter
• Aluminum-mesh grease filter
• For 10" fans

Bath Fans

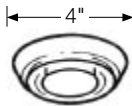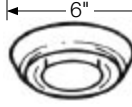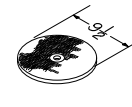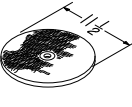|	Page	CFM	Sones HVI certified	up to ( ) Sq Ft	Energy Star	Duct Size"	L"	W"	H"	L"	W"	Grille finish	Amps
671R	14	90	3.0	85	no	4	9	8½	5¾	10½	10¼	White Polymeric	0.5
672R	14	110	4.0	105	no	4	9	9	5¾	10½	10¼	White Polymeric	0.7
682NT	14	n/a	n/a	n/a	no	n/a	7⅛	7⅛	3¾	8½	8½	White Polymeric	1.0
695	14	70	6.0	65	no	3	7½	7¼	3⅝	9½	8¹¹⁄₁₆	White Polymeric	1.2
696N	14	50	4.0	45	no	3	7½	7¼	3⅝	9½	8¹¹⁄₁₆	White Polymeric	0.75
8814R	14	110	4.0	105	no	4	9	9	5¾	11½	10¼	White Polymeric	0.85
8832SA	14	80	2.5	75	no	3	8½	9	4	10½	8⅝	Silver Annod. Alum	0.75
8832WH	14	80	2.5	75	no	3	8½	9	4	10¾	9⅜	White Polymeric	0.7
QTREN080	13	80	0.8	75	yes	4	11⅜	10½	7⅝	13	14	White Polymeric	0.7
QTREN110	13	110	1.3	105	yes	4	11⅜	10½	7⅝	13	14	White Polymeric	0.9
QTRN050	13	50	0.4	45	no	4	11⅜	10½	7⅝	13	14	White Polymeric	0.4
QTRN080	13	80	1.0	75	no	4	11⅜	10½	7⅝	13	14	White Polymeric	0.4
QTRN110	13	110	1.5	105	no	4	11⅜	10½	7⅝	13	14	White Polymeric	0.3
QTXEN050	13	50	<0.3	45	yes	6	11⅜	10½	7⅝	12⅞	13⅝	White Polymeric	0.3
QTXEN080	13	80	0.3	75	yes	6	11⅜	10½	7⅝	12⅞	13⅝	White Polymeric	0.4
QTXEN110	13	110	0.7	105	yes	6	11⅜	10½	7⅝	12⅞	13⅝	White Polymeric	0.3
QTXEN110S	12	110	0.7	100	yes	6	11⅜	10½	7⅝	13	13¾	White Polymeric	0.3
QTXEN150	13	150	1.4	140	yes	6	11⅜	10½	7⅝	12⅞	13⅝	White Polymeric	0.5
HD50NT	15	50	1.5	45	no	4	8	8¼	5¾	10¼	10¼	White Acrylic Metal	0.4
HD50RDB*	15	50	1.5	45	no	4	8	8¼	5¾	10¼	10¼	White Acrylic Metal	0.4
HD80NT	15	80	2.5	75	no	4	8	8¼	5¾	10¼	10¼	White Acrylic Metal	0.6
80RDB*	15	80	2.5	75	no	4	8	8¼	5¾	10¼	10¼	White Acrylic Metal	0.6
HD80RDB*	15	80	2.5	75	no	4	8	8¼	5¾	10¼	10¼	White Acrylic Metal	0.6
110RDB*	15	110	4.0	105	no	4	8	8¼	v	10¼	10¼	White Acrylic Metal	0.6

*Model RDA fan housing only sold separately for radiation dampers/fans.

Fan/Lights

	Page	CFM	Sones HVI certified	Baths up to ( ) Sq Ft	Other rooms up to ( ) Sq Ft	Lighting Watts Main/ Nightlight	Energy Star	Title 24 Compliant	Duct Size"	L"	W"	H"	L"	W"	D"	Grille finish	Amps
668RP	25	70	4.0	65	85	100W	no		4	14¾	7⅞	5⅝	16¼	9⅞		White Polymeric	2.0
741BRNT	22	70	3.5	65	85	2-60W	no		4	8¼	8	5¾	13⅜ Dia		5⅞	Polished Brass	2.2
741SNNT	22	70	3.5	65	85	2-60W	no		4	8¼	8	5¾	13⅜ Dia		5⅞	Satin Nickel	2.2
741WHNT	22	70	3.5	65	85	2-60W	no		4	8¼	8	5¾	13⅜ Dia		5⅞	Painted White	2.2
741WHFLNT	22	70	3.5	65	85	2-13W fluor.	yes		4	8¼	8	5¾	13⅜ Dia		5⅞	Painted White	2.2
744NT	24	70	1.5	65	85	75W	no		4	8¼	12¾	6¾	7⅜ Dia			White Polymeric	1.2
744FLNT	24	70	1.5	65	85	14W fluor.	yes	yes	4	8¼	12¾	6¾	7⅜ Dia			White Polymeric	1.2
754RBNT	23	70	3.5	65	85	2-60W	no		4	8¼	8	5¾	13 Dia			Antique Crackle	2.2
754SNNT	22	70	3.5	65	85	2-60W	no		4	8¼	8	5¾	13 Dia			Antique Crackle	2.2
755NT	23	70	3.5	65	85	2-60W	no		4	8¼	8	5¾	13 Dia			Antique Crackle	2.2
757SNNT	23	80	2.5	75	100	2-60W	no		4	8¼	8	5¾	13 Dia			Satin Nickel	1.6
758NT	23	70	3.5	65	85	2-60W	no		4	8¼	8	5¾	13 Dia			Antique Crackle	2.2
763RLN	25	50	2.5	45	60	100W	no		4	9	9	5¾	12¼	10¾		White Polymeric	1.2
769RFT	25	70	3.0	65	85	13W fluor.	no	yes	4	9	9	5¾	12¼	10¾		White Polymeric	1.2
769RL	25	70	3.0	65	85	100W	no		4	9	9	5¾	12¼	10¾		White Polymeric	2.0
8663RFT	25	100	3.5	95	125	42W fluor.	no	yes	4	9	9	5¾	15 Dia			White Polymeric	1.7
8663RP	25	100	3.5	95	125	100W/7W	no		4	9	9	5¾	15 Dia			White Polymeric	1.7
8664RP	25	100	3.5	95	125	100W	no		4	9	9	5¾	15 Dia			White Polymeric	1.7
HD50LNT	15	50	1.5	45	n/a	100W	no		4	8	8¼	5	10⅝	11⅛	2	White Polymeric	1.3
HD80LNT	15	80	2.5	75	n/a	100W	no		4	8	8¼	5	10⅝	11⅛	2	White Polymeric	1.7
QTREN080FLT	21	80	0.8	75	n/a	42W/4W	yes	yes	4	11⅜	10½	7⅝	13	14		White Polymeric	1.0
QTREN110FLT	21	110	1.3	100	n/a	42W/4W	yes	yes	4	11⅜	10½	7⅝	13	14		White Polymeric	1.0
QTRN080L	21	80	1.0	75	n/a	100W/4W	no		4	11⅜	10½	7⅝	13	14		White Polymeric	1.6
QTRN110L	21	110	1.5	100	n/a	100W/4W	no		4	11⅜	10½	7⅝	13	14		White Polymeric	1.8
QTXEN080FLT	21	80	0.3	75	n/a	42W/4W	yes	yes	6	11⅜	10½	7⅝	13	14		White Polymeric	1.0
QTXEN110FLT	21	110	0.7	100	n/a	42W/4W	yes	yes	6	11⅜	10½	7⅝	13	14		White Polymeric	1.0
QTXEN110SFLT	20	110	0.7	100	n/a	42W/4W	yes	yes	6	11⅜	10½	7⅝	13	13¾		White Polymeric	1.0
QTXEN150FLT	21	150	1.4	140	n/a	42W/4W	yes	yes	6	11⅜	10½	7⅝	13	14		White Polymeric	1.2
QTXN110SL	20	110	0.9	100	n/a	100W/4W	no	no	6	11⅜	10½	7¾	13	13¾		White Polymeric	1.0

Utility Fans

	Page	CFM	Sones	L"	H"	L"	W"	Amps*	Duct"
686	17	80	6.0	6½ x 6¹⁵⁄₁₆ Dia		9½	8¹¹⁄₁₆	1.5	7
8210	17	210	6.5	9 Dia. X 5¾		11 Diameter		0.82	7
8310	17	180	5.5	13¹⁄₁₆	11⅜ 3³⁄₁₆	11 Diameter		1.0	3¼ x 10
QT200	17	200	2.0	14¼	10 9	16½	12³⁄₃₂	1.0	3¼ x 10
QT300	17	300	4.5	14¼	10 9	16½	12³⁄₃₂	2.5	3¼ x 10

In-Line Ventilators

	Page	0.2" Ps CFM	Sones	Height	Duct Collar	Diameter Fan	Duct	Amps
ILF-120	18	110	n/a	9⁵⁄₁₆	3⅞	9⅞	4	0.37
ILF-130	18	130	n/a	9⅛	4⅞	9⅞	5	0.37
ILF-250	18	250	n/a	9	5⅞	13⅜	6	0.8
ILF-360	18	360	n/a	6¼	8	13¼	8	0.87
ILF-530	18	530	n/a	7	10	13¼	10	2
ILRF	18	150	n/a	10⅛	4/5	9½	4 or 5	0.8
ILFK-120	18	110	n/a	9⁵⁄₁₆	3⅞	9⅞	4	0.37
ILFK-130	18	130	n/a	9⅛	4⅞	9⅞	5	0.37
ILFK-250	18	250	n/a	9	5⅞	13⅜	6	0.8
ILFK-250-2	18	250	n/a	9	5⅞	13⅜	6	0.8

Heater/Fan/Lights

	Page	CFM	Sones, HVI certified	Lighting Watts Main/ Nightlight	L"	W"	H"	L"	W"	Grille finish	Duct Size"	Amps	Total Connected Load In Watts	Element Watts	Exhaust Motor Watts	Heating Motor Watts	BTU
605RP	28	70	4.0	n/a	14⅜	7⅞	5⅝	16¼	9⅞	White Polymeric	4	13.5	1620	1500	60	60	5118
665RP	28	70	4.0	100W	14⅜	7⅞	5⅝	16¼	9⅞	White Polymeric	4	14.2	1720	1500	60	60	5118
9093WH	29	70	3.5	100W/7W	13¼ Dia x 7½			15⅜ Dia		White Enamel	4	14.2	1717	1500	55	55	5118
9905	28	70	4.0	n/a	14	9¾	7¾	16	10⅞	White Polymeric	4	13.5	1620	1500	60	60	5118
9960	28	n/a	n/a	100W/7W	14	9¾	7¾	16	10⅞	White Polymeric	–	13.9	1667	1500	n/a	60	5118
9965	28	70	4.0	100W/7W	14	9¾	7¾	16	10⅞	White Polymeric	4	14.2	1727	1500	60	60	5118
9417DN	29	70	3.5	250W	8⅛	8⅜	6⅜	10¼	10¼	White Polymeric	4	2.6	310	n/a	60	n/a	853
9427P	29	70	3.5	2-250W	14¼	8⅜	6⅜	10¼	15⅝	White Polymeric	4	5.0	560	n/a	60	n/a	1706
QT9093WH	29	110	3.0	100W/7W	18½	13¼	7½	15⅜ Dia		White Enamel	4	14.2	1717	1500	55	55	5118
QTXN110HL	27	110	0.9	2-60W/7W	17⅝	11⅜	7⅝	20		White Polymeric	6	14.6	1710	1500	55	55	5120

Heater Only

	Page	Watts	Volts	Heating Motor Amps	BTU/hr	W"	H"	D"	W"	H"	Grille finish
9412D	29	250	120	2.1	853	8⅜	8⅛	6	10¼	10¼	White Polymeric
9422P	29	500	120	4.6	1706	14¼	8⅜	6	15⅝	10¼	White Polymeric