



Ventilation Fans

Residential

Light Commercial



June 2011

A man is shown from the chest up, standing in a shower. He is holding his hands to his face, looking up. A large, vertical, cylindrical vent pipe is visible on the left side of the frame, extending from the ceiling down towards the shower area. The shower head is visible in the background, spraying water. The overall scene is dimly lit, with a focus on the man and the vent pipe.

Leadership

Leadership is measured in all kinds of ways. We define it with innovation, from spot ventilation products to whole-house indoor air quality systems. The greatest compliment we receive is seeing our product ideas become the industry standards.

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. Broan 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 Broan engineers the right product for every type of application, room size and need.

Selection

No one provides more ways to improve indoor air quality. From the spot ventilation and heating products listed above, to our whole-house Broan Fresh Air Systems, trust Broan to keep your home safe and comfortable.

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Broan 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 Broan 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? Broan 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 Broan
invented the spot ventilation industry.

Today, Broan 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. Broan certifies every product through HVI to ensure the product you purchase will perform as claimed. For more information visit www.hvi.org.

Energy Star: Conserve energy and energy expenditures.

If you're concerned about saving money and energy, choose Broan 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.



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. Broan 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 Broan 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 rating compensate.

6" ducting overcomes most performance-related installation issues.

Broan'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. Broan’s extremely quiet and efficient Ultra Silent™ Series is ideally suited for these applications.

Can I mount Broan fans above my tub and shower?

Most Broan fans are rated for use over a shower or bathtub with a GFCI (Ground Fault Circuit Interrupter).

Can my bath fan be surrounded by insulation?

Yes. Broan bath fans are designed to provide adequate cooling for motors and lighting, as well as products with integral heaters.

Will Broan fans work in wall-mount applications?

Some Broan bath and utility fans may be wall mounted. See the product matrix for specific models. Improper installation may affect fan life, safety and your warranty.

Will a bath fan or wall-mount utility fan serve as a range hood?

No. Range hoods are specifically designed to handle grease and high temperature environments. Broan 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.

Air Quality

Broan has long been a leader in indoor air quality solutions. Our spot ventilation products for bathrooms and kitchens control problems at the source. For whole-house filtration and ventilation, Broan Fresh Air Systems set the standard.

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?

Broan 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 “makeup 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.

Style

Style is a curious thing. To each individual it is something different.

So Broan makes a range of unique products — some that stand out, others that blend in. But all suit every sense of style beautifully.

Can larger diameter ducting be used with my bath fan?

Yes, larger diameters will result in improved performance.

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.



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 aluminum 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. 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.

Broan Ventilation Fans—Ultra Silent™



**Model QTXE Humidity
Sensing Fan, page 12**



**Model QTXE Humidity
Sensing Fan/Lights, page 27**



**Model QTRE Humidity
Sensing Fan, page 12**



Model QTXE Fans, page 13

Quiet is good. Virtual silence is better.

The Broan 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 Broan Ultra Silent™ Series solves everything.

Lower sones and more power.

The Broan 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.

Silence

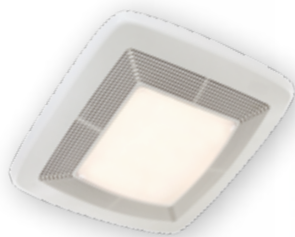
Minimizing sound is best achieved by engineering the product correctly for real-world installations.

Broan's QTX Series is designed with efficient blowers and 6" ducting that will not restrict air flow.

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

How quiet is Ultra Quiet?

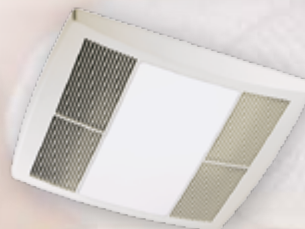
A newer refrigerator generates about 1 sone, while a normal conversation is about 2 sones. Broan's Ultra Silent™ Series products are as quiet as <0.3 sones. They're the quietest fans available and deliver the power you expect for any room size.



Model QTXE Fan/Lights, page 27



Model QTRE & QTR Fans, page 13



Model QTRE & QTR Fan/Lights, page 29



Model QTX Heater/Fan/Light, page 35

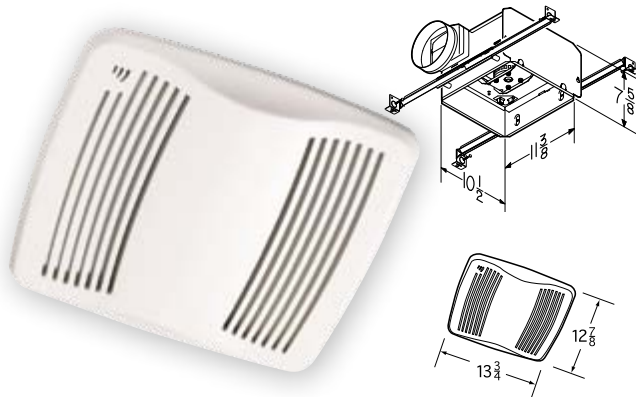
Broan Ventilation Fans—Ultra Silent™

Ultra Silent™ Humidity Sensing Fans with Sensaire® Technology. Broan Sensaire® technology is a hands-free solution to fighting excess humidity and possible mold problems. It detects rapid increases in moisture levels at the ceiling, where steam and humidity naturally rise, and automatically turns the fan on. With a fan this quiet, we included automatic shutoff to save worry, and money. Broan Sensaire® technology is a perfect solution for high traffic bathrooms, the kids' bathroom, or for anyone who leaves the house before humidity is properly vented.

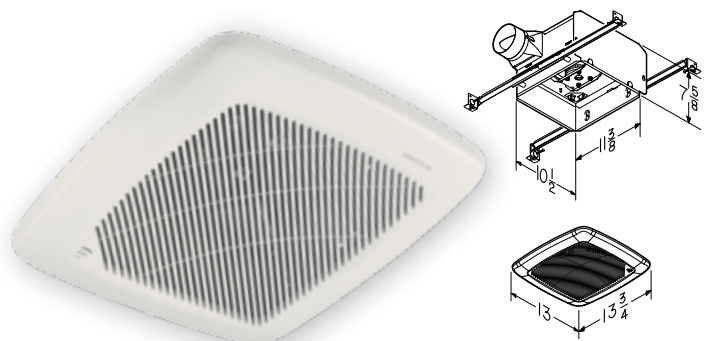
QTXE and QTRE Sensing Fan Features

- Detects a rapid rise in humidity
- Humidity is sensed at the ceiling level
- QTXE110S features easily accessible sensitivity adjustment
- Easy-to-set shut-off timer: 5–60 minutes on QTXE110S
- Auto shut-off timer: 20 minutes on QTRE100S
- Fits 2" x 8" ceiling construction
- UL Listed for use over bathtubs and showers when connected to a GFCI protected branch circuit
- Includes hanger bar system for fast and flexible installation for all types of construction
- ENERGY STAR® qualified
- HVI Certified

QTXE110S Model



QTRE100S Models



Fan Model	CFM	Sones	Energy Star	Bath Sq. Ft.	Ducting
QTXE110S	110	0.7	Yes	100	6" ▲
QTRE100S	100	1.5	Yes	90	4"



ENERGY STAR® fans use 65% less energy, on average, than standard models and may qualify for local utility rebates. ▲ See page 46 for 6" ducting (DT6W) product specifications.



Project Packs Available for QTRE100S model

To simplify installation, a Project Pack is available with four fan housings. When drywall work and painting is complete, the fan components needed to finish the job are available in a single pack under a separate model number. The finish kit includes the 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:	HQTS4	
One-pack finish kits for FAN models:	FQTRE100S	QTRE100S



Retrofit an Ultra Silent™ fan in less time, with less work.

With a telescoping frame and a unique duct attachment system, installation is simplified. The fan goes in faster, connects to joists more solidly, and eliminates unprofessional "rigging." There's also no patching, priming or painting when you're done.

That's what the Broan QTRE080R Retrofit Fan does for you.

- UL Listed for use over tub or shower when installed in a GFCI protected branch circuit
- HVI Certified
- ENERGY STAR® qualified
- Fits 2" x 8" ceiling construction



The telescoping frame quickly adjusts to the space between joists.

NEW

Our retrofit housing doesn't require mounting ears, which simplifies placement through the drywall.



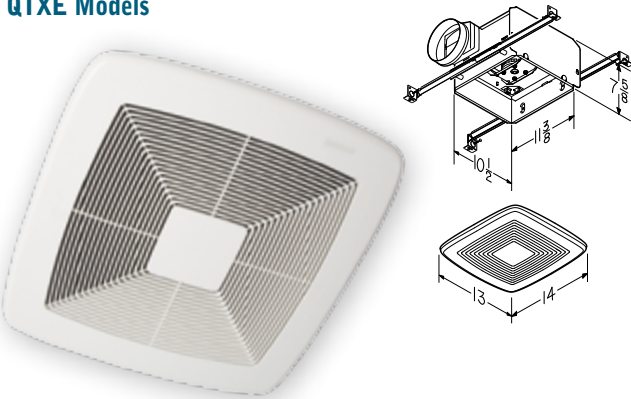
Fan Model	CFM	Sones	Energy Star	Bath Sq. Ft.	Ducting
QTRE080R	80	0.8	Yes	75	4"

Broan 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.

QTXE, QTRE and QTR Fan Features

- Nearly silent operation <0.3 to 1.5 sones
- 50 CFM to 150 CFM
- QTXE features 6" ducting for superior performance
- QTRE and QTR models feature 4" ducting
- QTRE and QTXE models are ENERGY STAR® qualified
- HVI Certified
- QTXE, QTRE and Housing Project Packs include hanger bar system for fast, flexible installation for all types of construction
- Motor engineered for continuous operation
- UL Listed for use over bathtubs or showers when connected to a GFCI protected branch circuit
- Fits 2" x 8" ceiling construction

QTXE Models



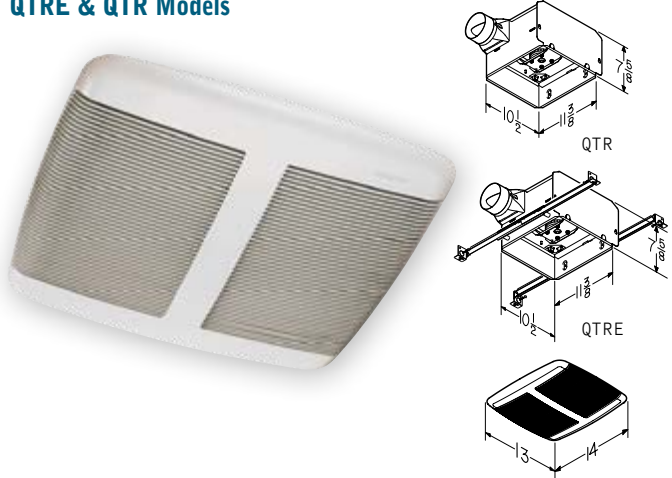
Fan Model	CFM	Sones	Energy Star	Bath Sq. Ft.	Ducting
QTXE050	50	<0.3	Yes	45	6"▲
QTXE080	80	0.3	Yes	75	6"▲
QTXE110	110	0.7	Yes	100	6"▲
QTXE150	150	1.4	Yes	140	6"▲



ENERGY STAR® fans use 65% less energy, on average, than standard models and may qualify for local utility rebates.
▲ See page 46 for 6" ducting (DT6W) product specifications.
+ Only available in project packs.



QTRE & QTR Models



QTRE080C2S Ultra Silent™ Select Air™ ventilation fan

Many rooms in the home can benefit from extra ventilation—not just the bathroom. Kitchens, laundry rooms, media rooms and closets are just a few examples. Now you can provide these rooms with extremely quiet ventilation at a more continuous lower level or in a boost mode whenever needed.

- 80 CFM at 0.8 Sones in boost mode
- 40 CFM at <0.3 Sones in normal mode
- Energy Star® qualified
- 4" ducting
- HVI certified

Fan Model	CFM	Sones	Energy Star	Bath Sq. Ft.	Ducting
QTRE080C2S	80/40	0.8/<0.3	Yes	75	4"
QTRE080	80	0.8	Yes	75	4"
QTRE110	110	1.3	Yes	100	4"
QTR050*	50	0.4	—	45	4"
QTR080	80	1.0	—	75	4"
QTR110	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 46 for 6" ducting (DT6W) product specifications.
+ Only available in project packs.



Project Packs Available for QTRE and QTR 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:	QTXR000HF	
One-pack finish kits for FAN models:	QTRE080F	QTRE080
	QTRE110F	QTRE110
	QTR050F*	QTR050*
	QTR080F	QTR080
	QTR110F	QTR110

*Only available in Project Packs.



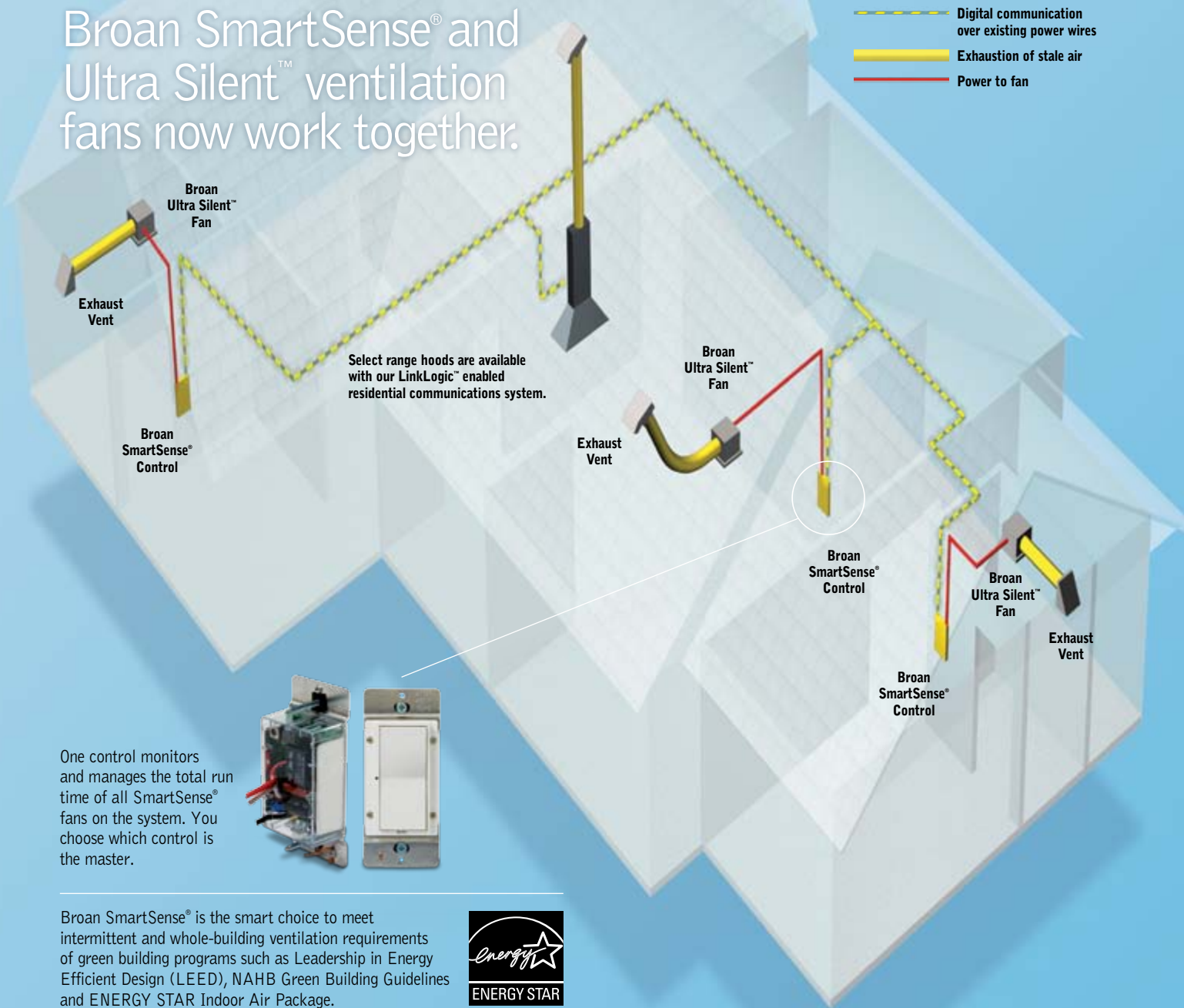
QTRE080F QTRE110F
QTR050F* QTR080F
QTR110F



QTXR000HF

Broan Ventilation Fans—Ultra Silent™

Broan SmartSense® and Ultra Silent™ ventilation fans now work together.



Broan SmartSense® is the smart choice to meet intermittent and whole-building ventilation requirements of green building programs such as Leadership in Energy Efficient Design (LEED), NAHB Green Building Guidelines and ENERGY STAR Indoor Air Package.

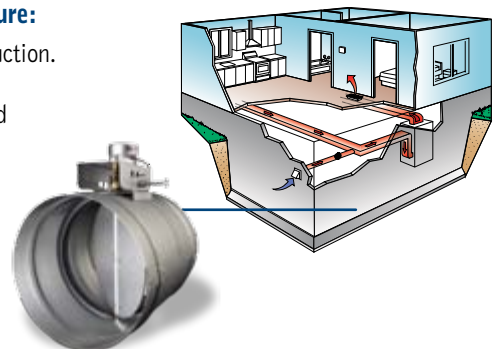
Broan Automatic Make-Up Air Dampers work with Broan SmartSense® to enable efficient and effective home ventilation. The damper communicates with every SSQTXE080 and SSQTXE110 fan in the home to ensure a supply of fresh air is available while fans are being operated. This assists in maintaining a healthy air-pressure balance in the home while preventing unwanted air infiltration and wasted energy.

Easy Installation of Broan Make-Up Air Dampers

- Located in a 6-inch or 8-inch duct running between an exterior wall fresh air inlet (641FA or 643FA) to an interior location such as a cold-air return or supply duct.
- Damper is locally powered by a 24 VAC transformer.
- Damper and fans communicate over existing home electrical wiring. No additional interconnection required.

Broan Make-Up Air Dampers feature:

- Heavy duty galvanized steel construction.
- 24 VAC transformer.
- 6-inch round (SMD6), 8-inch round (SMD8).
- Use with any single or combination of SSQTXE080 or SSQTXE110.



Ventilate your home intelligently.

Broan SmartSense® is the smart choice to meet ASHRAE Standard 62.2* and other related guidelines (including building codes derived from the ASHRAE standard).

New Features

- Flexible enough to work as a single fan or as part of a system of up to 10 fans.
- Automatic Off—An installer or user-selectable feature that will automatically shut the fan off after 60 minutes of run time. No longer does a homeowner need to worry about leaving an Ultra Silent™ QTXE SmartSense® fan on for extended periods of time because they could not hear it.
- Delayed Off—An installer or user selectable feature that will automatically continue to run the SmartSense® fan for 20 minutes after the SmartSense® control is turned off. This feature is patterned after ventilation industry recommendations to ensure all excess moisture is removed from shower areas after their use.
- Includes control label required by ASHRAE 62.2, California Title 24 and other building codes and standards.

Why do I need to ventilate all day?

Proper ventilation exhausts stale air and replaces it with fresh air. This minimizes mold and mildew growth, and helps remove gases and particles not trapped by filtration units. This automatic ventilation reduces indoor pollutants such as household cleaners, VOCs, carbon monoxide, and off-gassing formaldehyde from building materials, carpets and other furnishings.

Installs as easily as an exhaust fan.

Recess the fan housing in the ceiling, vent with 6" duct to the outside and connect the power wires. No separate control wiring is necessary. Then, program the control to match the home's size.

An economic alternative to other systems.

Broan SmartSense® utilizes exhaust ventilation fans normally installed in the home. It automatically adjusts total run-time based on square footage and number of bedrooms. Broan SmartSense® controls monitor manual fan operation, and adjust ventilation time to optimize energy usage. This system is more cost effective and energy efficient than other ventilation strategies that require the use of the home's air handler. With only one fan running at a time, Broan SmartSense® uses less than 40 watts during ventilation cycles.

For tightly built homes.

Consider using a Broan Make-up Air Damper to form a complete balanced ventilation system by linking with Broan SmartSense® ventilation fans and/or select Best® and Broan® range hoods. SmartSense® automatically operates the SMD Series Make-Up Air Damper for those installations requiring make-up air.

How does it work?

The Broan SmartSense® system monitors and activates Broan Ultra Silent™ fans 24/7 throughout the home. Broan Ultra Silent™ fans operate at a barely audible 0.3 and 0.7 sones, so they are ideal for any room that might require additional ventilation. Even in a bedroom, you'll never know they're running.

Use this chart to determine the recommended continuous ventilation rate in CFM (Cubic Feet per Minute) for homes of various sizes.













Number of Bedrooms	0-1	2-3	4-5
< 1500	 30	 45	 60
1501 to 3000	 45	 60	 75
3001 to 4500	 60	 75	 90
4501 to 6000	 75	 90	 105

Chart numbers in Cubic Feet per Minute. For more details see ASHRAE Standard 62.1-2004 and 62.2-2004. Includes control label required by ASHRAE 62.2, California Title 24 and other building codes and standards.



LinkLogic®

Broan SmartSense® uses LinkLogic®, a powerful, wireless home control technology powered by INSTEON®.

- New timed-off and delayed-off features with new firmware.
- Automatically operates the SMD series Make-Up Air Damper for installations requiring make-up air.
- Interfaces with other LinkLogic® enabled products by Broan® or Best®.



Model	CFM	Dimension
SSQTXE080	80	11-3/8 x 10-1/2 x 7-3/4
SSQTXE110	110	11-3/8 x 10-1/2 x 7-3/4

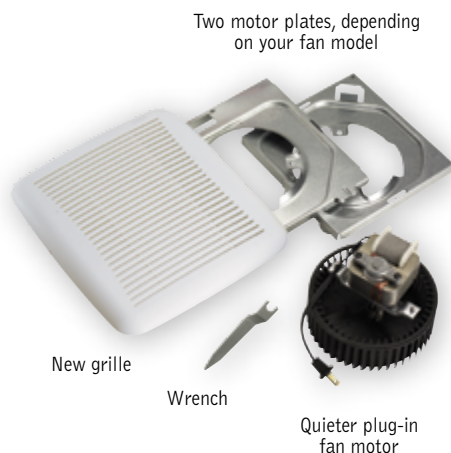
*American Society of Heating, Refrigerating and Air-Conditioning Engineers standard for ventilation and acceptable indoor air quality for low-rise residential building.

Broan Ventilation Fans



690 Bath Fan Upgrade Kit

The Broan 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.

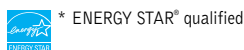
- Cut sound levels up to 50%
- Boost air movement up to 20%
- 10 minute installation
- 60 CFM, 3.0 Sones
- Modern white grille
- No special tools needed



Broan 690 Upgrade Kit replaces the models below:

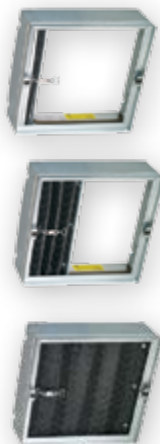
If your grille looks like this:	The fan is very likely one of these models:	Housing dimensions:
	NuTone 693, 695, 696N	7½" x 7¼" or 8" x 7¼"
	Broan 670, 671, 688, 689 Nautilus N671, N688	7½" x 7¼" Not compatible with 8" x 8¼"

Model	CFM	Sones	Type/Pack Quantity	Notes
RDH	—	—	Housing/4	—
80RDF	80	2.5	Finish/4	—
110RDF	110	4.0	Finish/4	—
HD50RDF*	50	1.5	Finish/4	Heavy-duty Motor
HD80RDF	80	2.5	Finish/4	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.



- 165° fusible link
- Galvanized Steel Frame
- Stainless steel negator-type closure spring
- UL Classified (UL Standard 555C) for use in 1-, 2-, 3-hour fire-rated floor-ceiling or roof-ceiling designs
- All models offered as Project Packs
- HD models feature a heavy-duty motor

Project Finish Packs include:

- Assembled motor plate, wheel and plug-in motor
- Rugged metal grille for added durability

Models 80RDF, 110RDF, HD50RDF and HD80RDF



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 RDH



Model RDJ1



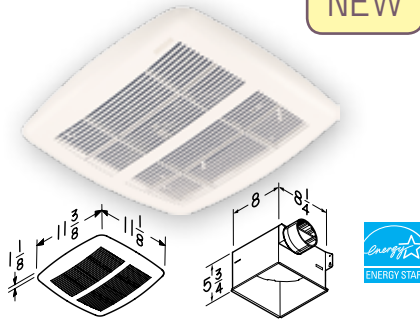
Radiation Damper Accessory Kit includes:

- Radiation damper accessory with metal grille, metal duct connector, hanger bars & plaster guard (no housing)
- Works with 770, 784, 676, 684, HD50 and HD80

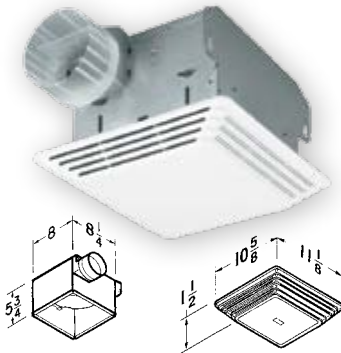
Ceiling Mount

Model 770 and 784

NEW



Model 676 and 684



- 50 to 110 CFM
- Centrifugal blower wheel and 4-pole motor deliver high exhaust capacity at low sound levels
- White polymeric grille complements virtually any decor
- Torsion spring grille mounting—no tools necessary
- Metal grille kits (available separately)
- Project Packs available

Model	CFM	Sones
676	110	4.0
684	80	2.5
770*	50	1.5
784*	80	2.0

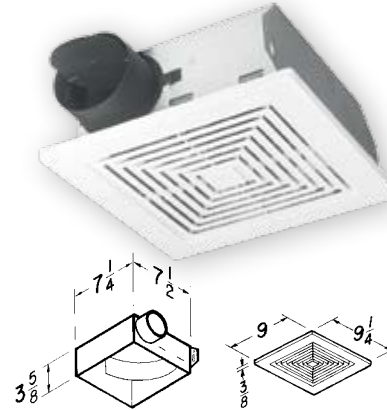


* ENERGY STAR® qualified

Project Packs are convenient options for today's contractor. Broan "H" Packs include rough-in housings only, making multi-unit installation more convenient. "F" Packs allow motor/blower and grille assemblies to be ordered separately, nearer project completion, to help avoid losing or having to store components.



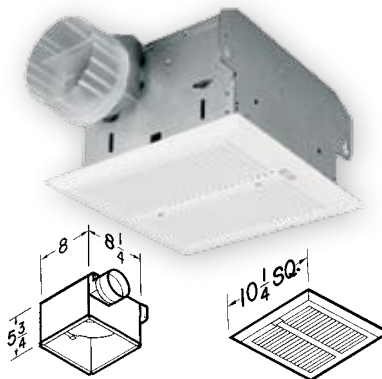
Ceiling/Wall Mount



- 50 to 70 CFM
- Powerful centrifugal blower wheel
- Compact housing fits between ceiling joists or wall studs
- Double-strength steel mounting flanges with keyhole slots for fast installation
- Metal grille kits (available separately)
- *Project Packs available for most models

Model	CFM	Sones	Notes
670	50	3.5	Wall/Ceiling mount
671	70	6.0	Wall/Ceiling mount
688	50	4.0	Wall/Ceiling mount
689	60	5.5	Wall/Ceiling mount

Heavy-duty operation



- Enclosed motors with long-life bearings for continuous operation
- Rugged metal fan grille for added durability, easier cleaning
- Grille torsion spring-mounted for easy installation
- Pre-wired outlet for plug-in motor plate
- AMCA licensed for both air and sound

Model	CFM	Sones
HD50*	50	1.5
HD80	80	2.5

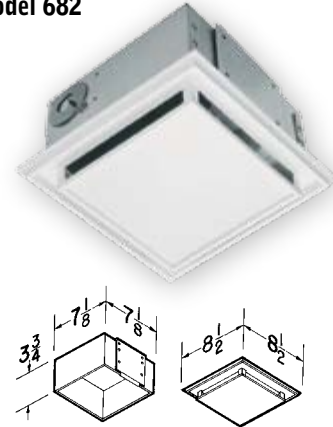


* ENERGY STAR® qualified

Duct-free

This easy-to-install solution is ideal where air circulation is needed but ducting is impossible or impractical. Use it as a solution for half baths or rooms where humidity isn't a concern.

Model 682



- Patented, fast snap-in metal housing installation
- Whisper-quiet fan circulates air past replaceable activated charcoal filter
- Fits 2" x 4" ceiling or wall construction

Model	CFM	Sones	Notes
682	—	—	Duct-free Circulation

Broan Fans—Utility



Powerful solutions
for problem rooms.

Eliminate humidity or tobacco smoke from recreation rooms, workshops, or cooking odors from kitchens with these powerful utility ventilators. Aluminum filters are available for most models. All feature powerful, permanently lubricated motors and rugged steel housings. Paint the low-profile white polymeric grilles to match any décor.

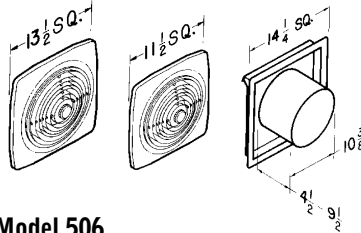
Chain-Operated utility fan

- Pull-chain opens the door and starts fan
- Housing adjusts to fit walls from 4-1/2" – 9-1/2" thick
- Specially designed polymeric fan blade
- Housing features foam-insulated door for energy efficiency



Model 506

Model 507



Model 506

- 10" Wall Fan



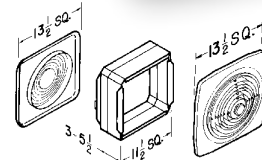
Model 507

- 8" Wall Fan (8-3/8" diameter sleeve)



Room-to-Room

- Room-to-Room ventilators provide quick solutions where more ventilation is needed – without installing new ductwork
- Built-in variable speed control
- Easy installation through wall 3" – 5-1/2" thick
- Permanently lubricated motor
- Paintable white polymeric grilles



Model 510

- 10" Room-to-Room fan
- Not for use in kitchens

Model 511 (shown)

- 8" Room-to-Room fan
- Not for use in kitchens

Wall/Ceiling Mount – Side Discharge

- Installs easily between ceiling joists or wall studs
- Built-in damper prevents backdrafts
- Fits 3-1/4" x 10" duct

Model 502 (shown)

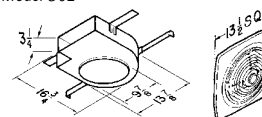
- 10" Side Discharge

Model 503

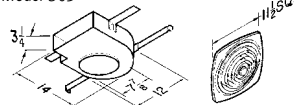
- 8" Side Discharge



Model 502



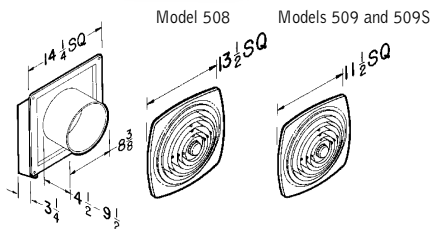
Model 503



	CFM	Sones	Diameter	Sizing Specifications
Wall/Ceiling-Mount, Side Discharge				
502	270	8.0	10"	Fits 3-1/4" x 10" duct
503	160	5.0	8"	Fits 3-1/4" x 10" duct
Chain-Operated				
506	470	8.0	10"	Fits 4-1/2" – 9-1/2" thick walls
507	250	7.0	8"	Fits 4-1/2" – 9-1/2" thick walls
Room-to-Room				
510	380	6.5	10"	Fits 3" – 5-1/2" thick walls
511	180	4.5	8"	Fits 3" – 5-1/2" thick walls

Through-Wall fans

- Housing adjusts to fit walls from 4-1/2" – 9-1/2" thick
- Specially designed polymeric fan blade
- Built-in damper minimizes backdrafts for energy efficiency
- Paintable polymeric grilles
- Accessorize with wall switch or variable speed wall control

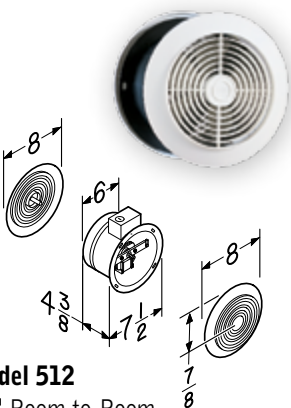


Model 508

- 10" Through-Wall

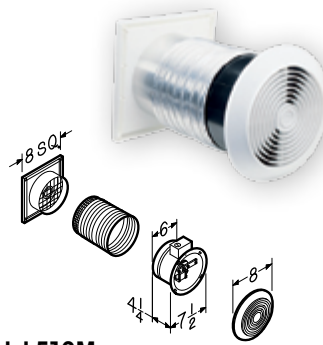
Models 509 and 509S

- 8" Through-Wall
- Model 509S features an integral ON/OFF rotary switch – no wall switch to wire



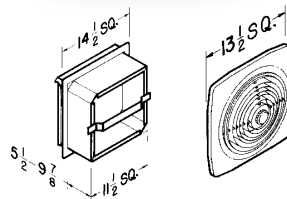
Model 512

- 6" Room-to-Room
- Use 57W or 57V variable speed control separately



Model 512M

- 6" Through-Wall
- Louvered exterior wall cap with built-in bird screen
- 6" diameter flexible aluminum duct included

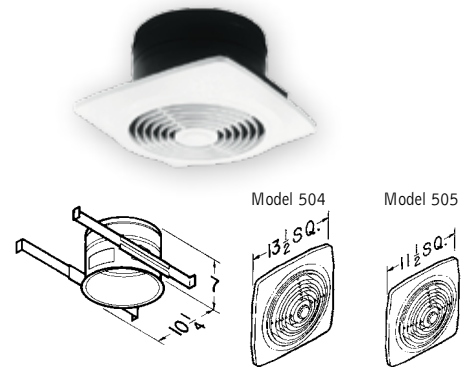


Model 12C Motordor®

- 10" Through-Wall
- Separate motor opens and closes the vent door automatically

Vertical Discharge

- Installs easily between ceiling joists
- Built-in backdraft damper
- Galvanized steel housing
- Strong steel mounting brackets with keyhole slots for fast installation

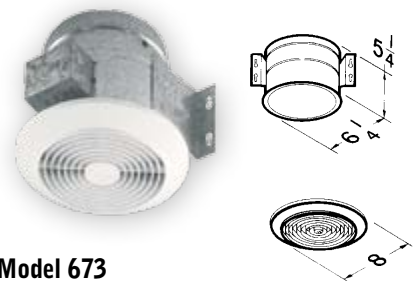


Model 504 (shown)

- 10" Vertical Discharge
- Fits 10" round duct – use Model 472 transition/damper (available separately) for 8" round duct (performance will be reduced)

Model 505

- 8" Vertical Discharge
- 8-1/4" diameter housing



Model 673

- 6" Vertical Discharge
- Paintable, spin-on, white polymeric grille

Through-Wall	CFM	Sones	Diameter	Sizing Specifications
12C Motordor®	360	8.0	10"	Fits 5-1/2" – 9-7/8" thick walls
508	270	6.0	10"	Fits 4-1/2" – 9-1/2" thick walls
509/509S	180	6.5	8"	Fits 4-1/2" – 9-1/2" thick walls 509S Integral ON/OFF Rotary Switch
512	90	3.5	6"	Fits up to 5-1/8" thick walls
512M	70	3.5	6"	Fits 5-1/4" – 10" thick walls
Vertical Discharge				
504	350	6.5	10"	Fits 10" round duct
505	180	6.5	8"	Fits 8" round duct
673	60	4.5	6"	Fits 6" round duct

Broan Ventilation Fans—In-Line

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.

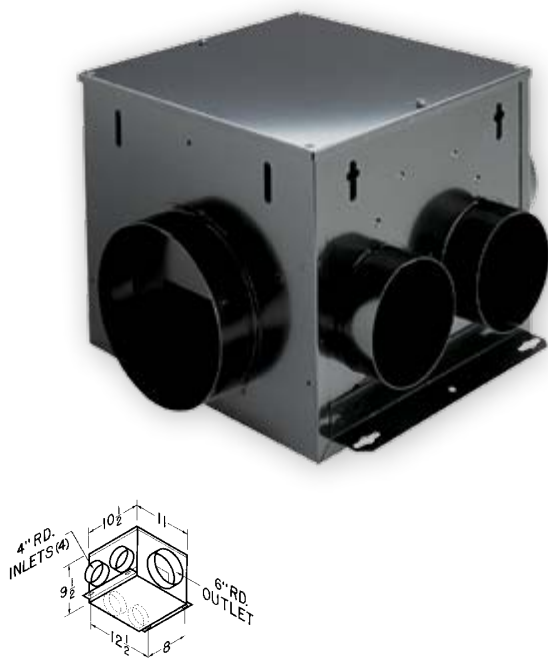
Multi- and Single-port In-Line Ventilators Features

- 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 panels offer easy access to the motor without disturbing ductwork
- Plug-in blower simplifies wiring

Multi-Port In-Line Ventilators

- Ventilate multiple bathrooms or other rooms simultaneously
- Great solution for large, open spaces
- Install in virtually any orientation
- 6" round outlet; 4" round inlets (two inlet duct covers included)
- Use 2, 3 or all 4 inlet ports

Model MP100, MP140, MP200



Model MP280



Multi-Port	CFM	Sones	Notes
MP100	110	1.0	Four inlets
MP140	150	1.5	Four inlets
MP200	210	2.0	Four inlets
MP280	290	3.0	Four inlets

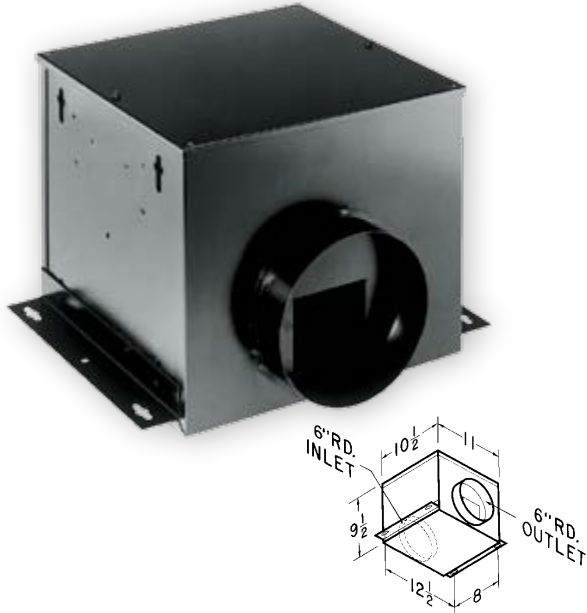
HVI rated air flow at 0.2" static pressure. Sound test procedures are similar to HVI tests for other exhaust fans.

With a multi-port, In-line ventilation solution the blower is mounted away from the living area for virtually silent operation. Multi-port installations allow ventilation of up to four rooms, or use multiple inlet ports to clear the air in larger rooms. Single-port, In-line ventilators provide the same noise reduction benefits.

Single-Port In-Line Ventilators

- Ventilate any room in virtual silence
- 6" round outlet and inlet for easy duct connections (two inlet duct covers)

Model SP100, SP140, SP200



Single Port	CFM	Sones	Notes
SP100	110	1.0	One inlet only
SP140	150	1.5	One inlet only
SP200	210	2.0	One inlet only

HVI rated air flow at 0.2" static pressure. Sound test procedures are similar to HVI tests for other exhaust fans.

Room Inlets

- Models available for 6" (CVG6) or 4" (CVG4) round duct
- Install in ceiling or wall
- Paint to match room décor

Room Inlet Models CVG4 and CVG6

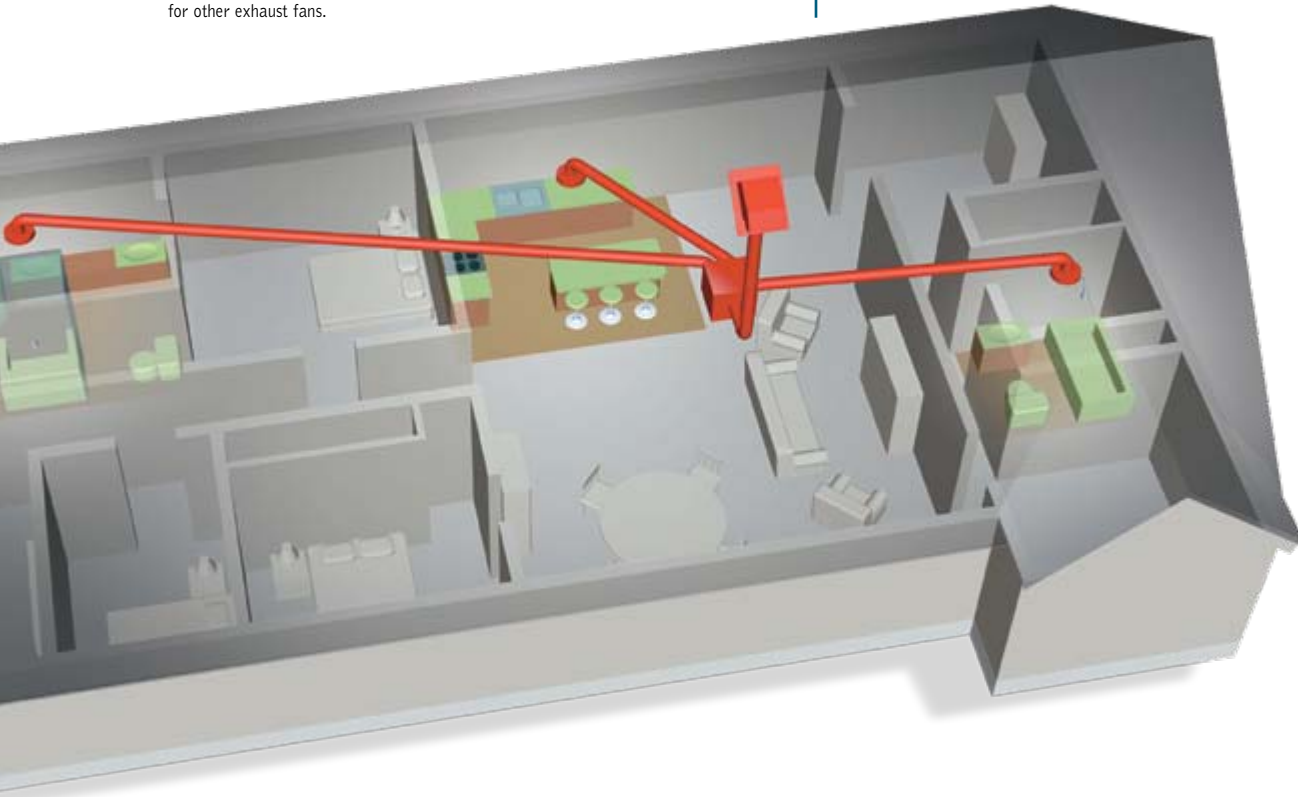


Grilles/Intakes	Duct Size	Notes
CVG4	4"	Round Grille
CVG6	6"	Round Grille
Sleeves		
CVLD4	4"	Sleeve with damper
CVLD5*	5"	Sleeve with damper
CVLD6	6"	Sleeve with damper
CVL4	4"	Sleeve without damper
CVL6	6"	Sleeve without damper

* Use with CVG4.

Y Adapters Only

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



Broan Ventilation Fans—High Capacity

Broan high capacity fans are an exceptionally quiet solution to continuous ventilation. With their heavy-duty motors, high capacity fans are an ideal solution for conference rooms, public restrooms, commercial kitchens and spaces that require ongoing ventilation. Low-vibration and low-profile, they work quietly without getting noticed.

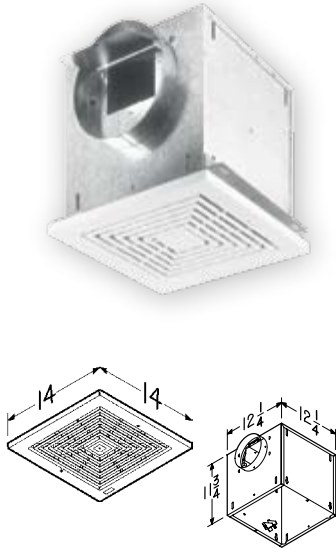
Broan High Capacity Fan Features

- Acoustic insulation lines the housing to reduce sound levels (kitchen and dedicated in-line models have no insulation)
- Quiet, low RPM motor is permanently lubricated for continuous operation
- Automatic backdraft damper built into the duct connector
- Resilient motor mounts minimize vibration
- Impact-resistant, balanced centrifugal blower wheel ensures consistent performance
- 8-way adjustable mounting brackets permit installation flexibility
- Round duct connectors on many models simplify installation
- Heavy gauge galvanized steel housing
- Low profile, impact-resistant, high-strength polymeric or white enameled steel grilles (varies by model)
- Quick, simple wiring from either inside or outside of the housing
- AMCA licensed for air and sound
- Duct horizontally, vertically or in-line

100/150 CFM High Capacity Fan Features

- 6" round duct connector
- Single, impact-resistant centrifugal blower wheel housing
- Duct horizontally or vertically, or in-line with a separate adapter
- Low profile, white polymeric or painted white enamel steel grille
- Models L100L and L150L are UL Listed for use over bathtubs or showers when connected to a GFCI branch circuit
- Broan Electronic Variable Speed Controls adjust blower speed and sound level (available separately)—see page 43

Polymeric Grille



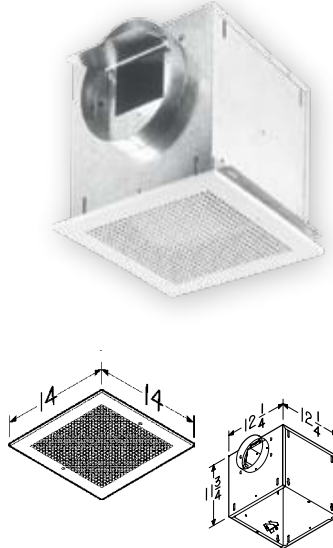
Model L100

- 120V, 1.1 amps
- White polymeric grille

Model L150

- 120V, 1.3 amps
- White polymeric grille

Metal Grille



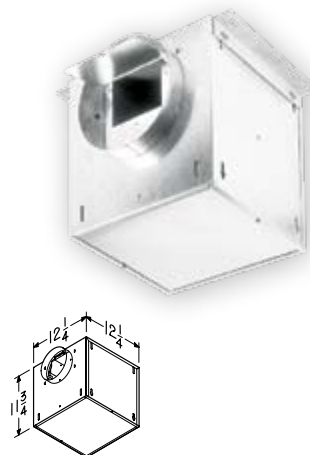
Model L100MG

- 120V, 1.1 amps
- White enamel steel grille

Model L150MG

- 120V, 1.3 amps
- White enamel steel grille

In-Line Ventilators



- Removable access panel, no insulation
- Two 6" round duct connectors

Model L100L (shown)

- 120V, 1.1 amps
- No grille

Model L150L

- 120V, 1.3 amps
- No grille

Model	CFM	Sones	Notes
L100	109	0.9	White polymeric grille
L150	157	1.5	White polymeric grille
L100MG	115	0.9	White Metal grille
L150MG	161	1.4	White Metal grille
L100L	106	0.7	In-line/Suitable for kitchens
L150L	147	1.1	In-line/Suitable for kitchens

Sones and CFM listed for ceiling mount models are for horizontal ducting at .125" static pressure. For In-line models, performance listed is for straight-thru ducting at .125" static pressure. For complete Sones and CFM at other static pressures, see our web site at www.Broan.com.



Adjust ventilation easily in any room.

Model 80L Variable Speed Control mounts inside the fan housing and allows blower speed adjustment to balance ventilation.

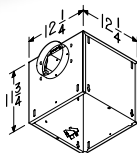
- For Broan High Capacity Fans L100–L900L
- Speed control with metal housing
- Fan insulation is perforated for easy installation
- 120 V, 3 amps, 60 Hz
- UL Listed



200/250/300 CFM High Capacity Fan Features

- 8" round duct connector
- Single, impact-resistant centrifugal blower wheel (Model L300KMG has a metal wheel)
- 20 gauge galvanized steel housing
- Duct horizontally or vertically
- In-line ducting available with separate adapter
- Models L200L, L250L and L300L are UL Listed for use over bathtubs or showers when connected to a GFCI branch circuit
- Use Broan Electronic Variable Speed Control to adjust blower speed and sound level (available separately)—see page 43

Polymeric Grille



Model L200 (shown)

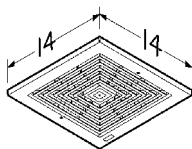
- 120V, 1.8 amps

Model L250

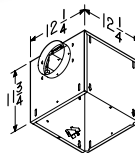
- 120V, 2.1 amps

Model L300

- 120V, 2.6 amps



Metal Grille



Model L200MG (shown)

- 120V, 1.8 amps

Model L250MG

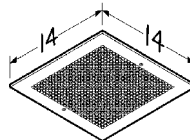
- 120V, 2.1 amps

Model L300MG

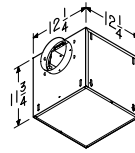
- 120V, 2.6 amps

Model L300KMG

- Suitable for kitchen installations
- 120V, 2.6 amps
- Metal wheel
- Order Aluminum Filter LAF1



In-Line Ventilators



- Suitable for kitchen installations
- Removable access panel – no insulation

Model L200L (shown)

- 120V, 1.8 amps

Model L250L

- 120V, 2.1 amps

Model L300L

- 120V, 2.6 amps

Model	CFM	Sones	Notes
L200	210	1.7	White polymeric grille
L200MG	215	1.9	White Metal grille
L200L	195	1.9	In-line
L250	259	2.2	White polymeric grille
L250MG	265	2.5	White Metal grille
L250L	245	2.3	In-line
L300	308	2.9	White polymeric grille
L300MG	316	3.0	White Metal grille
L300L	293	3.1	In-line
L300KMG	277	3.1	White Metal grille

Sones and CFM listed for ceiling mount models are for horizontal ducting at .125" static pressure. For In-line models, performance listed is for straight-thru ducting at .125" static pressure. For complete Sones and CFM at other static pressures, see our web site at www.Broan.com.



Adjust ventilation easily in any room.

Model 80L Variable Speed Control mounts inside the fan housing and allows blower speed adjustment to balance ventilation.

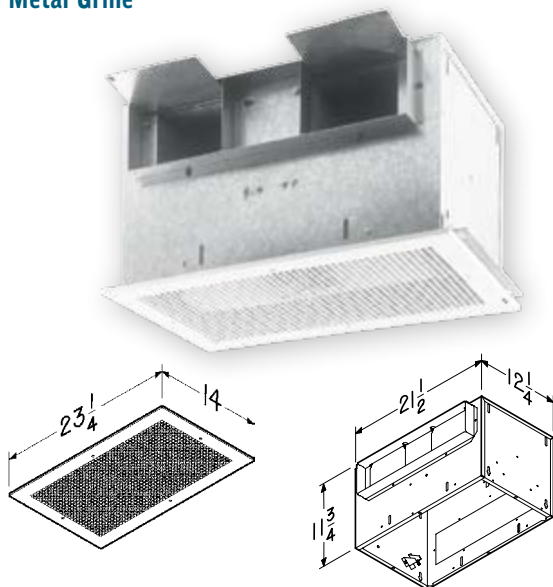
- For Broan High Capacity Fans L100–L900L
- Speed control with metal housing
- Fan insulation is perforated for easy installation
- 120 V, 3 amps, 60 Hz
- UL Listed

Broan Ventilation Fans—High Capacity

400/500/700 CFM High Capacity Fan Features

- 4-1/2" x 18-1/2" duct connector
- Painted white enamel steel grille
- Two impact-resistant centrifugal blower wheels
- Duct horizontally or vertically – In-line available with separate adapter
- Quiet automatic backdraft dampers
- Use Broan Electronic Variable Speed Control to adjust blower speed and sound level (available separately)
- Models with "K" suffix suitable for kitchens

Metal Grille



Model L400 (shown)

- 120V, 1.4 amps

Model L400K

- Suitable for kitchen use
- Two metal centrifugal blower wheels
- Order Aluminum Filter LAF2

Model L500

- 120V, 2.2 amps

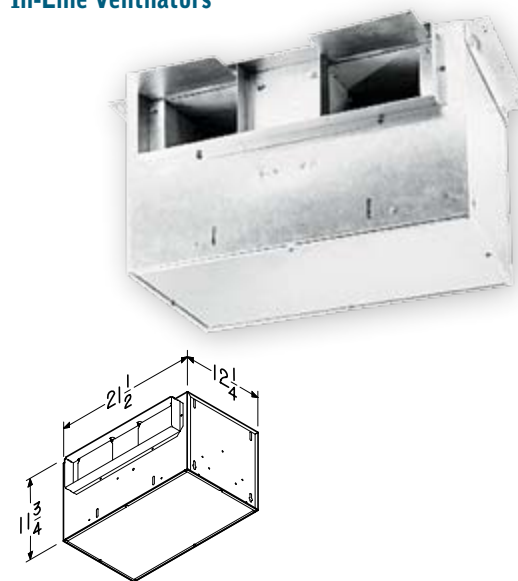
Model L500K

- Two metal centrifugal blower wheels
- 120V, 2.2 amps
- Order Aluminum Filter LAF2

Model L700

- 120V, 2.9 amps

In-Line Ventilators



Model L400L (shown)

- In-line model has removable access panel and no insulation
- 120V, 1.4 amps

Model L500L

- In-line model has removable access panel and no insulation
- 120V, 2.2 amps

Model L700L

- Removable access panel – no insulation
- 120V, 2.9 amps

Model	CFM	Sones	Notes
L400	434	2.3	Metal Grille
L400K	406	3.3	Suitable for kitchens
L400L	406	1.6	In-line
L400KL	375	3.1	—
L500	514	3.3	Metal Grille
L500K	481	4.4	Suitable for kitchens
L500L	519	3.4	In-line
L500KL	472	3.8	—
L700	701	4.7	Metal Grille
L700L	681	3.7	In-line

Sones and CFM listed for ceiling mount models are for horizontal ducting at .125" static pressure. For In-line models, performance listed is for straight-thru ducting at .125" static pressure. For complete Sones and CFM at other static pressures, see our web site at www.Broan.com.



Adjust ventilation easily in any room.

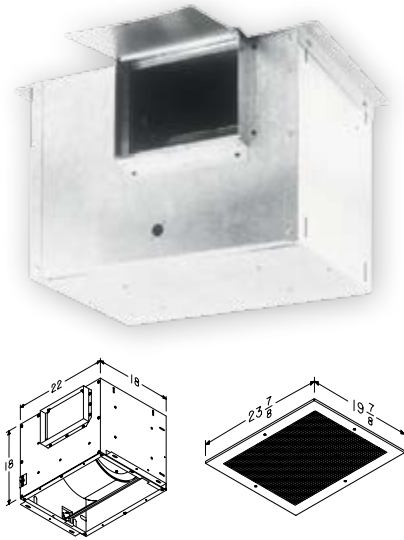
Model 80L Variable Speed Control mounts inside the fan housing and allows blower speed adjustment to balance ventilation.

- For Broan High Capacity Fans L100–L900L
- Speed control with metal housing
- Fan insulation is perforated for easy installation
- 120 V, 3 amps, 60 Hz
- UL Listed



900 and 1500 CFM Fans

Metal Grille



- 8" x 12" duct
- Sound-absorbing acoustic insulation
- Painted white enamel steel grille
- Single, impact-resistant centrifugal blower wheel
- Ducted horizontally or vertically, or in-line with separate adapter
- Use Electronic Variable Speed Control to adjust blower speed and sound level (available separately)

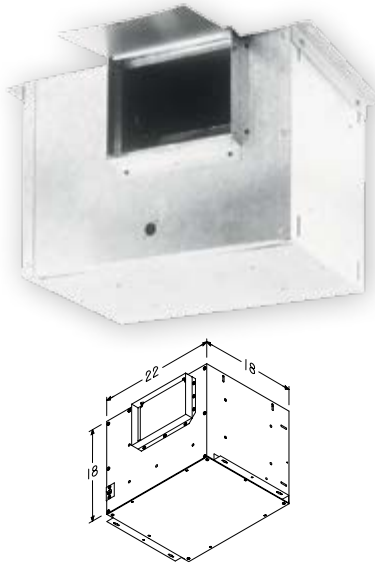
Model L900 (shown)

- 120V, 3.0 amps
- L900 can use the 80L variable speed blower control (sold separately)

Model L1500

- 120V, 5.0 amps

In-Line Ventilators



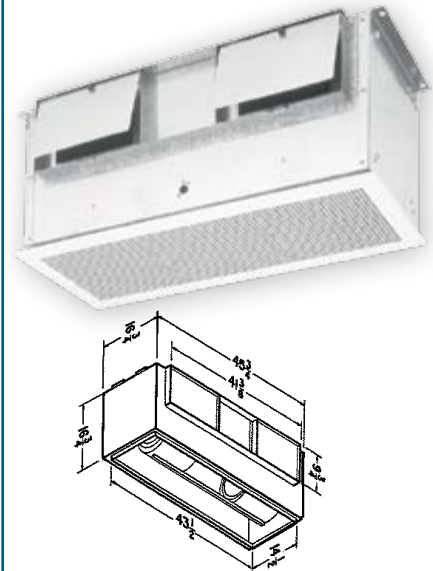
Model L900L

- Removable access panel
- no insulation
- 120V, 3.0 amps
- L900L can use the 80L variable speed blower control (sold separately)

Model L1500L

- Removable access panel
- no insulation
- 120V, 5.0 amps

2000 CFM Fans



Model L2000L (shown)

- 38"L x 14-5/8"W x 14-5/8"H
- Fits 7-3/4" x 33-3/4" duct
- 120V, 5.8 amps
- Optional metal grille (Model G102) and damper kit (Model D100)

Model	CFM	Sones	Notes
L900	901	4.1	—
L900L	894	3.8	In-line
L1500	1513	8.4	—
L1500L	1214	6.7	In-line
L2000L	1791	9.4	In-line

Sones and CFM listed for ceiling mount models are for horizontal ducting at .125" static pressure. For In-line models, performance listed is for straight-thru ducting at .125" static pressure. For complete Sones and CFM at other static pressures, see our web site at www.Broan.com.



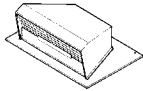
Incredibly reliable.
Remarkably quiet.

Broan Ventilation Fans—High Capacity Accessories & Radiation Dampers

Roof Caps

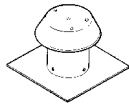
Model 437

- High-capacity design up to 1200 CFM
- Built-in bird screen
- Steel housing, black electrically bonded epoxy finish



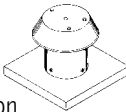
Model 611

- For flat roof installation
- Aluminum natural finish
- For up to 8" round duct



Model 611CM

- For curb mount installation
- Other features same as Model 611



Model 612

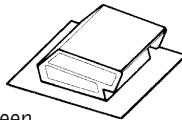
- For flat roof installation
- Aluminum natural finish
- For up to 12" round duct

Model 612CM

- For curb mount installation
- Other features same as 612

Model 634

- For 3-1/4" x 10" or up to 8" round duct
- Built-in backdraft damper and bird screen
- Steel housing, black electrically bonded epoxy finish



Model 634M

- Same as Model 634, except for 6" round duct

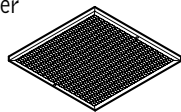
Model 644

- Same as Model 634, except aluminum natural finish

Grease Filters

Models LAF1 & LAF2

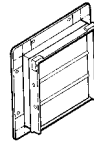
- Aluminum mesh filter traps grease and protects motor
- Dishwasher safe
- LAF1 (12" x 12") for L100/150/200/250/300 Series
- LAF1 for use with metal grilles
- LAF2 (12" x 21-1/4") for L400/500 Series



Wall Caps

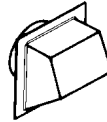
Model 441

- For 10" round duct
- Steel with aluminum louvers



Model 613

- For 12" round duct
- Built-in backdraft damper and bird screen
- Aluminum natural finish

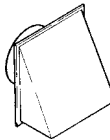


Model 641

- Same as Model 613, except for 6" round duct

Model 643

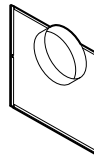
- For 8" round duct
- Built-in backdraft damper and bird screen
- Aluminum natural finish



In-line Adapters

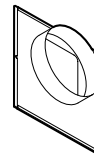
Model 961L

- For L100/L150 Series
- Galvanized steel
- 6" round duct intake



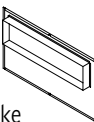
Model 981L

- For L200/L250/L300 Series
- Galvanized steel
- 8" round duct intake



Model 982L

- For L400/L500/L700 Series
- Galvanized steel
- 4-1/2" x 18-1/2" duct intake



Model 983L

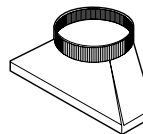
- For L900/L1500 Series
- Galvanized steel
- 8" x 12" duct intake



Duct Transitions

Models 423 & T81212

- Galvanized steel
- Transition quickly, easy to obtain/install round ducting
- 423: (4-1/2" x 18-1/2" to 10" round)
- T81212: (8" x 12" to 12" round)



Vibration Dampening Hampers

(Not shown)

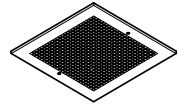
Model V104

- For Model L2000L
- Heavy gauge steel construction
- Neoprene vibration dampening cushion
- Maximum load 75 lbs (each)
- For 3/8" diameter threaded rod (available separately from others)
- Set of four required for each ventilator

Metal Grille Kit

Model MG1

- For L100/150/200/250/300 Series
- White enamel painted steel
- Mounting screws included



Radiation Dampers/Fans

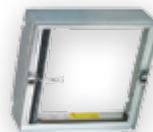
A fire resistant screen automatically closes when excessive heat is detected. The breakaway fusible link triggers the closing of the radiation damper's fire resistant screen to prevent smoke and fire from traveling through the ductwork.

Features

- 165° fusible link
- Galvanized Steel Frame
- Stainless steel negator-type closure spring

High Capacity Models RD1, RD2 & RD3

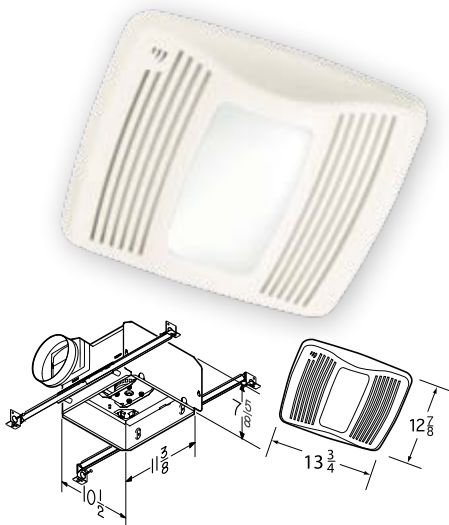
- UL rated 3-hour ceiling radiation dampers
- High temperature, non-asbestos, reinforced fiber thermal fabric
- RD1 (12-1/2" x 12-1/2") for L100/150/200/250/300 Series
- RD2 (21-3/4" x 12-1/2") for L400/500/700 Series
- RD3 (22-1/4" x 18-1/4") for L900/1500 Series



Ultra Silent™ Humidity Sensing Fan/Lights with Sensaire® technology.

Broan Sensaire® technology detects rapid increases in moisture levels at the ceiling, where steam and humidity naturally rise, and automatically turns the fan on. With a fan this quiet, automatic shutoff saves worry, and money. Sensaire® technology is a perfect solution for high traffic bathrooms, the kids' bathroom or for anyone who leaves the house before humidity is properly vented.

QTX110SL & QTXE110SFLT Models



Hands-free solutions to fighting excess humidity and mold.

Broan's Ultra Silent™ humidity sensing fan/light turns the fan on and off automatically to help prevent cosmetic and possible mold problems associated with excess moisture.

- Detects a rapid rise in humidity
- Humidity is sensed at the ceiling level
- Sensitivity level is adjustable
- Easy-to-set shut-off timer: 5–60 minutes
- 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
- Fits 2"x 8" ceiling construction

Forget to turn the fan on again?
Our humidity sensing fans do it for you.

Model	CFM	Sones	Light/ nightlight	Energy Star	Duct
QTXE110SFLT	110	0.7	42W / 4W	Yes	6"▲
QTX110SL	110	0.9	100W / 4W	—	6"▲



ENERGY STAR® fans use 65% less energy, on average, than standard models and may qualify for local utility rebates.
▲ See page 46 for 6" ducting (DT6W) product specifications.



Broan Ventilation Fan/Lights—Ultra Silent™ Series

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

New styling and improved lighting make Broan's industry leading Ultra Silent™ fan lights even better.

- Light output has been significantly increased, while using 14 fewer watts.
- Lighting design enhancements provide a brighter, broader flood-light effect.
- Improved light diffusion hides hotspots/bulbs.
- Convenient GU24 bulbs are readily available.
- A restyled, low-profile grille on QTxE models blends with any decor.
- Design and lighting improvements were made without increasing sound levels.

NEW
HIGH PERFORMANCE
LIGHTING USING
LESS ENERGY

Broan Ventilation Fan/Lights—Ultra Silent™ Series

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

QTXE, QTRE and QTR Fan/Light Features

- Nearly silent operation <0.3 to 1.4 sones
- 80 CFM to 150 CFM
- QTXE models feature 6" ducting for superior performance
- QTRE and QTR models feature 4" ducting
- QTRE and QTXE models are ENERGY STAR® qualified
- Bright, energy efficient 36-watt fluorescent lighting (2-18 watt GU24 based bulbs) included with non-sensing QTXE and QTRE models
- 100 watt lighting from an incandescent bulb on QTR models
- 4 watt nightlight on all models
- QTXE, QTRE and Housing Project Packs include hanger bar system for fast and flexible installation for all types of construction
- Motor engineered for continuous operation
- UL Listed for use over bathtubs or showers when connected to a GFCI protected branch circuit
- HVI Certified
- Type IC
- Fits 2" x 8" ceiling construction

QTXE Models



QTRE and QTR Models



Model	CFM	Sones	Light/ nightlight	Energy Star	Duct
QTXE080FLT	80	0.3	36W* / 4W	Yes	6"▲
QTXE110FLT	110	0.7	36W* / 4W	Yes	6"▲
QTXE110SFLT*	110	0.7	42W / 4W	Yes	6"▲
QTXE150FLT	150	1.4	36W* / 4W	Yes	6"▲
QTX110SL*	110	0.9	100W / 4W	—	6"▲
QTRE080FLT	80	0.8	36W* / 4W	Yes	4"
QTRE110FLT	110	1.3	36W* / 4W	Yes	4"
QTR080L	80	1.0	100W / 4W	—	4"
QTR110L	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 46 for 6" ducting (DT6W) product specifications.

* Humidity sensing

♦ 2, 18-watt GU24 based fluorescent bulbs



Project Packs Available for QTRE 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:	QTXR000HL	
One-pack finish kits for FAN/LIGHT models:	QTRE080FLFT	QTRE080FLT
	QTRE110FLFT	QTRE110FLT



QTRE080FLT
QTRE110FLT



QTXR000HL

Broan Ventilation Fan/Lights—Decorative

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 Broan 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 corrosion-resistant decorator finishes.

Decorative Fan/Light Fixture Features

- 70 or 80 CFM
- 3.5 or 2.5 Sones
- Corrosion-resistant finishes
- Beautifully styled glass globes
- Use two 60-watt incandescent candelabra bulbs (not included)
- Plug-in lighting fixture and permanently lubricated motor
- Polymeric blower wheel
- Not UL approved for use over bathtubs or showers
- Sturdy, keyholed mounting brackets for quick, accurate installation
- Fits 2" x 6" ceiling construction
- Tapered, polymeric 4" round duct fitting for easy, positive duct connection and no metallic clatter
- Decorative models are not UL approved for use over bathtubs or showers
- Type IC

Model 761BN



Model 766BN



Model 741SN



Model 761RB



Model 766RB



Model 741WH



Model	CFM	Sones	Watts	Bulb Type	Finish	Glass
761BN	80	2.5	2-60W	Candelabra	Brushed Nickel	White Opal
761RB	80	2.5	2-60W	Candelabra	Oil-rubbed Bronze	Ivory Alabaster
766BN	80	2.5	2-60W	Candelabra	Brushed Nickel	White Alabaster
766RB	80	2.5	2-60W	Candelabra	Oil-rubbed Bronze	Ivory Alabaster
741SN	70	3.5	2-60W	Standard	Satin Nickel	Frosted
741WH	70	3.5	2-60W	Standard	Gloss White	Frosted



Broan Ventilation Fan/Lights—Decorative

Model 764BN



Model 764RB



Models 764WH



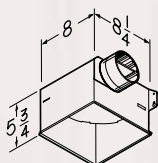
Model 754RB



Model 754SN



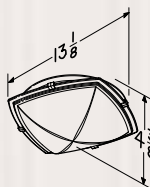
Models 757SN



Model 761



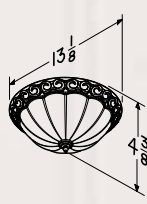
Model 766



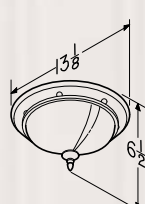
Model 741



Model 764



Model 754



Model 757

Model	CFM	Sones	Watts	Bulb Type	Finish	Glass
764BN	80	2.5	2-60W	Candelabra	Brushed Nickel	White Alabaster
764RB	80	2.5	2-60W	Candelabra	Oil-rubbed Bronze	Ivory Alabaster
764WH	80	2.5	2-60W	Candelabra	White	White Alabaster
754RB	70	3.5	2-60W	Candelabra	Oil-rubbed Bronze	White Alabaster
754SN	70	3.5	2-60W	Candelabra	Satin Nickel	White Alabaster
757SN	80	2.5	2-60W	Candelabra	Satin Nickel	Frosted



Broan Ventilation Fan/Lights—Decorative

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

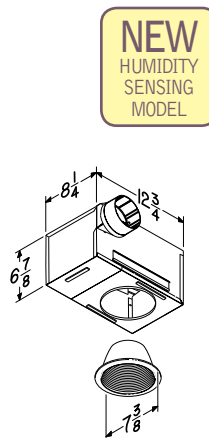
Broan took recessed lighting a step further by incorporating powerful, quiet ventilation in the same design. These fan/lights disappear into the ceiling and match perfectly with other recessed lights. Models 744 and 744FL are practical ventilation solutions for any room in the house, such as the utility room, kitchen or high-traffic family room—any space you wish to keep fresh and comfortable. In the bath, model 744SFL starts automatically when a rapid rise in humidity is detected. You'll never forget to turn the fan on again.

744 Series Recessed Fan/Light Features

- High efficiency centrifugal fan
- 70 CFM at 1.5 sones
- Trim matched to designs of major recessed light manufacturers
- Put multiple units in larger rooms
- Model 744 uses a 75 watt bulb (R30 or BR30 for standard applications)
- Models 744FL and 744SFL use a 14 watt, R30 shaped fluorescent bulb
- All models UL Listed for use over bathtubs or showers when connected to a GFCI protected branch circuit. Model 744 requires a PAR30L or PAR30LN type bulb.
- 6-7/8" high housing appropriate for new construction and 2" x 8" ceiling joists
- 4" round duct connector
- Optional wall control switches available
- Type IC, sealed housing
- Not for use over cooking surfaces

Humidity Sensing Model 744SFL Features

- SensAire® technology detects the rapid rise in humidity and automatically turns the fan on and off
- Humidity is sensed at the ceiling level
- Easily accessible sensitivity adjustment
- Easy-to-set 5–60 minute shut-off timer



SensAire® technology behind the trim detects changes in humidity and automatically turns the fan on and off.

Model	CFM	Sones	Lighting	Humidity Sensing	Energy Star
744	70	1.5	75W	—	—
744FL	70	1.5	14W Fluor.	—	Yes
744SFL	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.



- Classic white grilles
- Plug-in, permanently lubricated motor
- Efficient polymeric fan impeller
- Mounting ears offer sturdy, quick installation

Fan/Light Combination Unit Features

- UL Listed for use over bathtubs or showers when connected to a GFCI protected branch circuit
- Polymeric duct connectors with tapered sleeves for easier, positive ducting
- Fits 2" x 6" ceiling construction
- Shatter resistant polymeric light lenses
- Select models available in Project Packs
- Recommended with optional two-function wall control
- Type IC

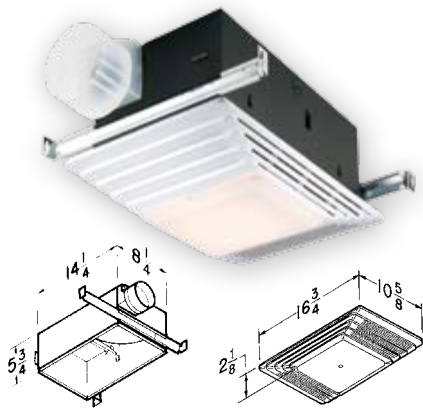
Model 778WH

NEW

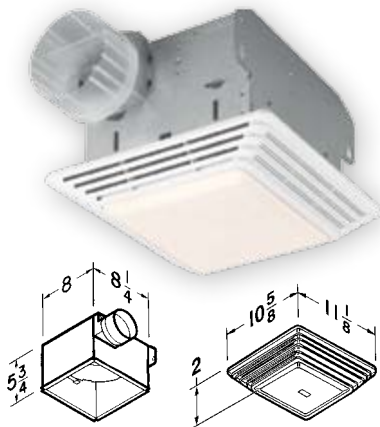


- White finish with White Opal glass globe
- Energy-efficient 26 watt fluorescent lighting—uses two 13 watt GU24 based bulbs (included)
- Hanger bars included

Model 657 & 696



Model 678, 679, 680



Model 750 & 751

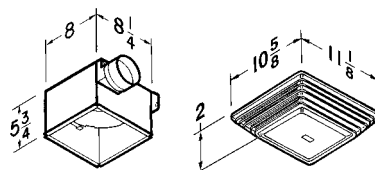


- Round design eliminates squaring with bathroom walls
- Model 751 is the same as Model 750 without a nightlight

Model HD50L & HD80L, Heavy Duty



- Heavy Duty™ units last up to three times longer than residential units
- Enclosed motor design for continuous operation
- High-efficiency centrifugal blower wheel



Model	CFM	Sones	Lighting	Notes
678	50	2.5	100 W	
679	70	3.5	100 W	
680	100	4.0	100 W	
657	70	4.0	100 W	
696	100	4.5	100 W	
750	100	3.5	100 W	White finish with 7W nightlight
751	100	3.5	100 W	White finish, no nightlight
778WH*	80	2.0	2-13 W GU24 fluor.	White with white opal glass
HD50L	50	1.5	100 W	Heavy-duty motor
HD80L	80	2.5	100 W	Heavy-duty motor



*ENERGY STAR® fans use 65% less energy, on average, than standard models and may qualify for local utility rebates.



Comfort and convenience combined.



Broan Heater/Fan/Lights—Ultra Silent™ Series

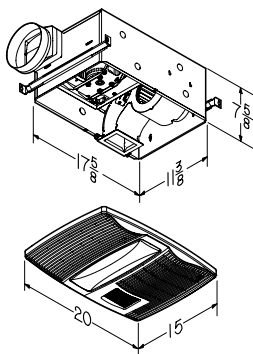
Broan Ultra Silent™ Series Heater/Fan/Lights. You could wait 15 minutes for your central heating system to take the chill from your bathroom, all while it heats every other room in the house. Or, you could select instant heat when it's needed with the QTX line. Powerful heating, light and ventilation 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.

QTX 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
- 7 watt nightlight
- Choice of bright 120 watt incandescent (2-60W) or energy efficient 36 watt GU24 fluorescent (2-18W, bulbs included)
- Fan motor is engineered for continuous operation
- HVI Certified
- Type IC
- Requires a dedicated 20 amp circuit
- Fits in 2" x 8" ceiling construction

QTX Heater/Fan/Light

PowerHeat™ is a Broan 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
QTX110HL	110	0.9	100	120W Incandescent (2-60W) / 7W	1500
QTX110HFLT	110	0.9	100	36W Fluorescent (2-18W)* / 7W	1500

* Bulbs Included



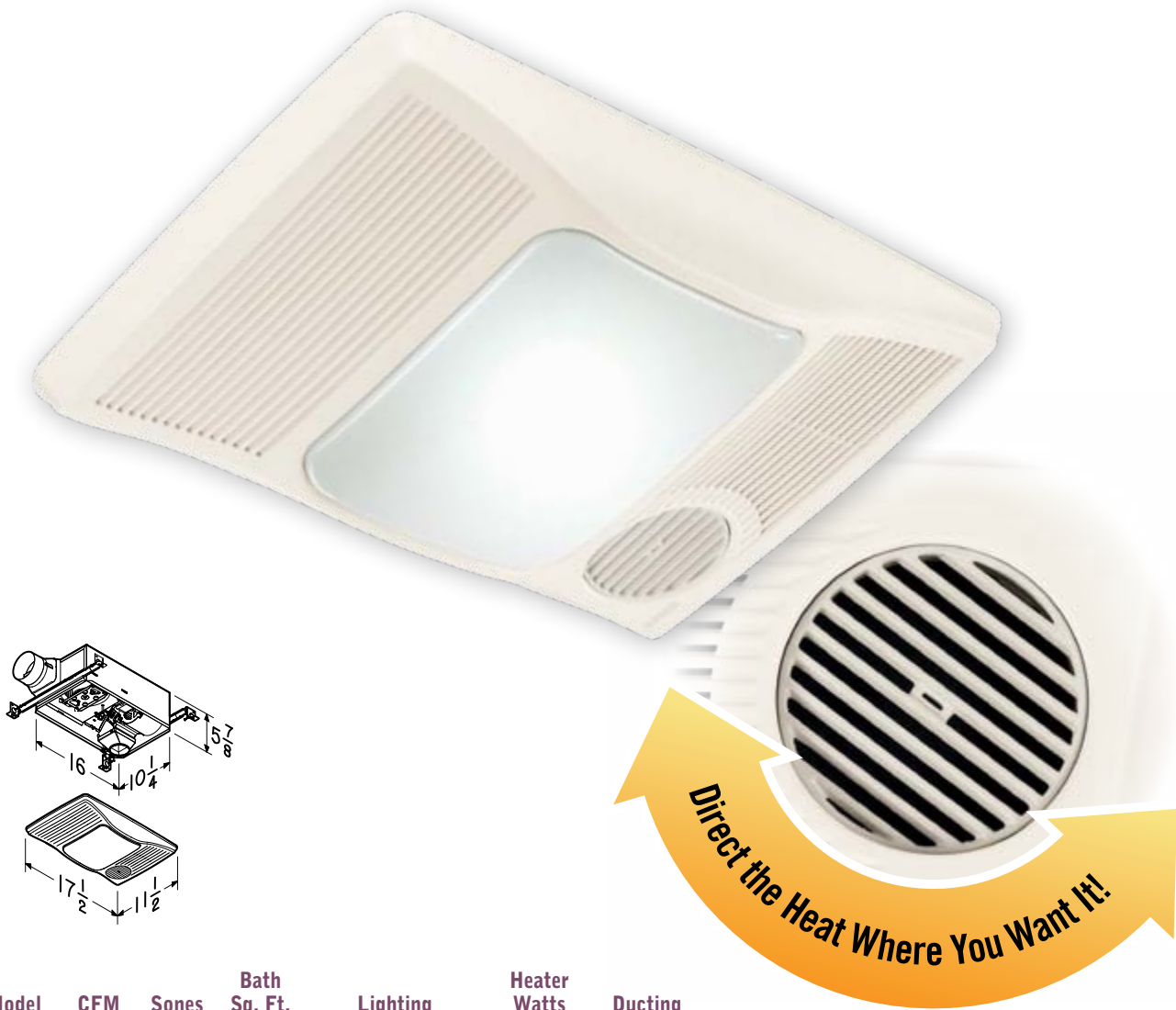
Broan Heater/Fan/Lights

Broan Directionally-Adjustable Heater/Fan/Lights. You don't need to heat the entire house to have a comfortable bathroom first thing in the morning. And it simply doesn't make sense to wait for your central heating system to do what Broan can do instantly. Our Heater/Fan/Light provides powerful heating, light and ventilation at the touch of a switch. And with our 360° directionally-adjustable heat outlet, you're assured the heat will end up exactly where you need it.

Heater/Fan/Light Features

- Heater/Fan/Light brings convenient, comforting warmth to your bathroom
- Quiet operation – 2.0 sone, 100 CFM ventilation fan
- Quiet, high-output 1500-watt heater with exclusive directionally adjustable design (see below)
- 4" ducting for new construction or retrofit
- Multi-function wall switches sold separately
- Choice of bright 100-watt incandescent or energy-efficient 27-watt GU24 (bulb included) fluorescent lighting
- Fan motor is engineered for continuous operation
- HVI Certified
- Type IC
- Requires a dedicated 20 amp circuit
- Fits 2" x 6" ceiling construction

100HL & 100HFL Heater/Fan/Light



Model	CFM	Sones	Bath Sq. Ft.	Lighting	Heater Watts	Ducting
100HL	100	2.0	90	100W Incandescent	1500	4"
100HFL	100	2.0	90	27W GU24 Fluorescent*	1500	4"

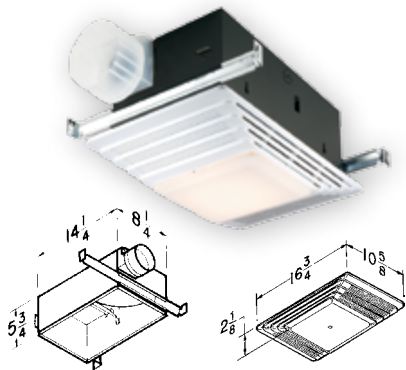
* Bulb Included



Heaters & Heater Fans

- Designer white polymeric grilles complement virtually any décor
- Two- or three-function wall controls are available separately
- 1300-watt heaters
- Fan, light and heater function independently or together
- Type IC
- Fits 2" x 6" ceiling construction

Model 655, 659, 656



Model 655

- 20-amp circuit required

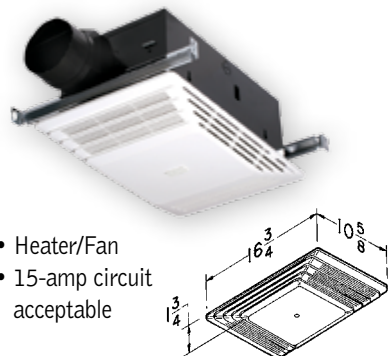
Model 659

- 15-amp circuit required

Model 656

- 15-amp circuit acceptable
- Heater/Light ONLY

Model 658



- Heater/Fan
- 15-amp circuit acceptable

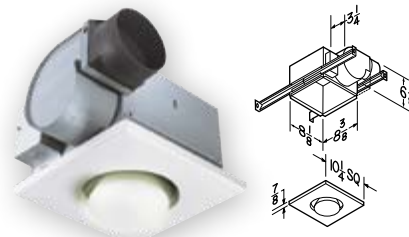
Model	CFM	Sones	Lighting	Heater
655	70	4.0	100W	1300W
656	—	—	100W	1300W
658	70	4.0	No Light	1300W
659	50	2.5	100W	1300W

Bulb Heater Fans. Silent warmth and superior ventilation. Trust Broan 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

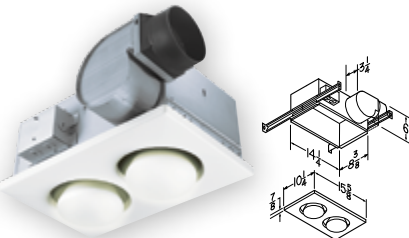
- Quiet, highly efficient polymeric blower wheels
- Polymeric dampers prevent backdrafts and eliminate mechanical noise
- Polymeric 4" round duct connectors with tapered sleeves simplify ducting
- Operate fan and heater independently or together
- Attractive white polymeric grilles
- Compact steel housings 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 162



- One-Bulb Heater/Fan

Model 164



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

Model	CFM	Sones	Heat
162	70	3.5	250W*
164	70	3.5	500W*

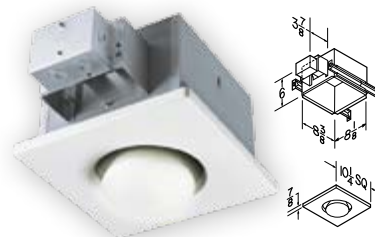
*Bulbs not included



One or Two-Bulb Heaters—No Fan

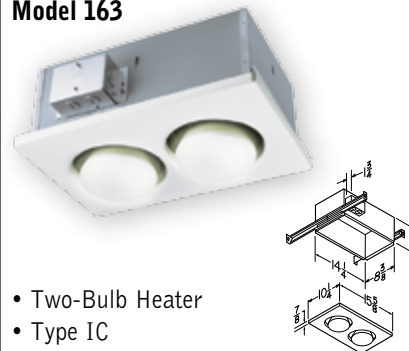
- Infrared bulbs deliver energy-saving warmth
- Get instant comfort in the bathroom without turning up the central thermostat
- 250-watt R40/BR40 size infrared bulbs (not included)
- Attractive, white polymeric grilles
- Compact steel housings
- Adjustable mounting brackets with keyhole slots span up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

Model 161



- One-Bulb Heater
- UL Listed for 75°C wiring

Model 163



- Two-Bulb Heater
- Type IC

Model	Watts	Volts	Amps
161*	250	120	2.1
163	500	120	4.3

*161 is not IC rated

Push the heat out. Pull a fresh breeze through.

Too often, attic ventilation is overlooked, not to mention ignored as a place for energy savings. That's where Broan solutions make sense. Consider this: air trapped in your attic can easily reach 150° or more. With Broan ventilation solutions, it's still a full 60° cooler in the attic on a 90° day. That's why attic ventilation

is critical to making any home more comfortable while lowering energy costs. Air-conditioners can run less and won't have to work as hard. Humid, stagnant air can be removed, drawing fresh dry air across the surfaces. Your attic can be drier and cooler—the perfect tools to help fight potential moisture damage.

Determining the CFM* requirements for your attic

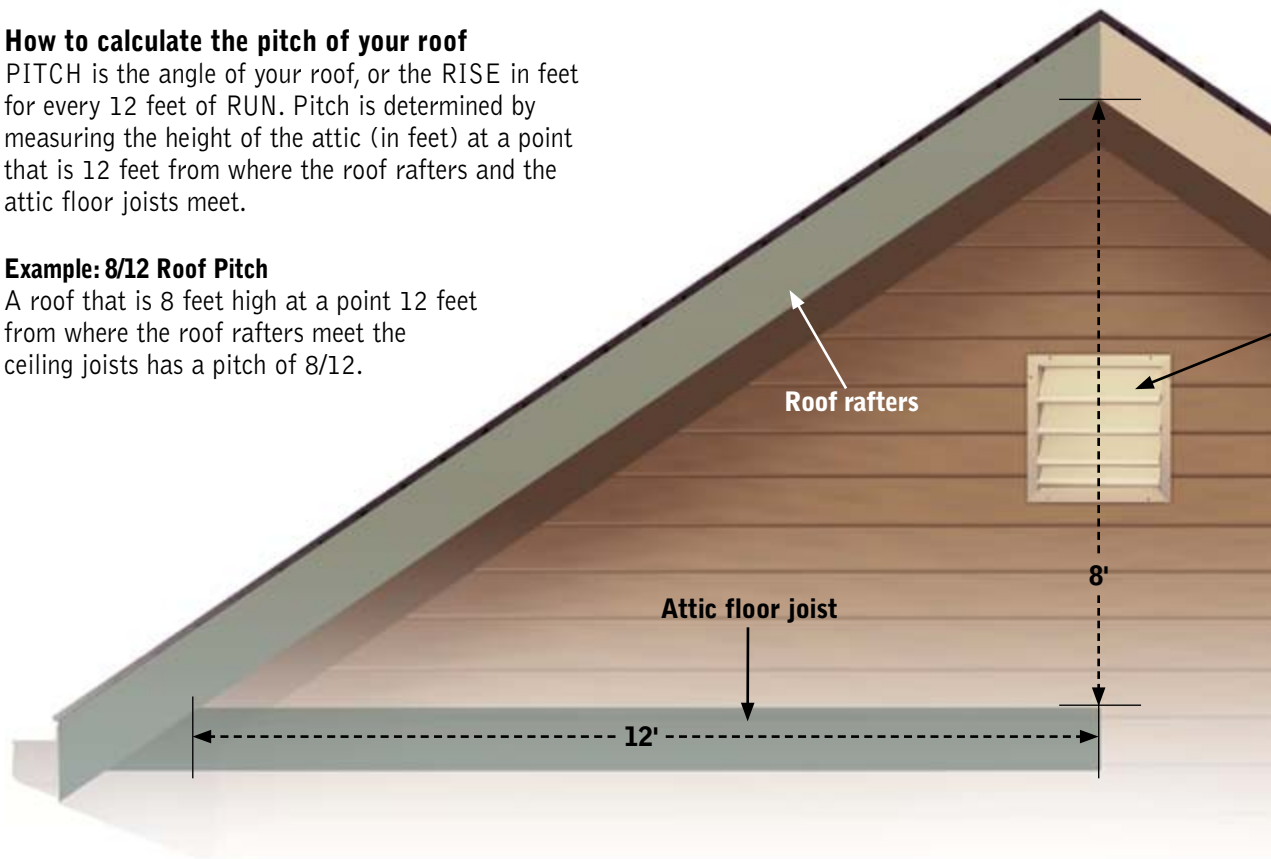
Gable Mount			Roof Mount				
Roof Pitch	Model 353	Model 35316	Model 349BR	Model 350BR/350BK	Model 355BR/355BK	Model 356BR/356BK	Model 358
	900/1140 CFM**	1160/1600CFM**	1000 CFM	1050 CFM	1200 CFM	1600 CFM	1200 CFM
8/12 or Less	Light Roof Attic 1285/1630 sq. ft.	1658/2285 sq. ft.	1490 sq. ft.	1500 sq. ft.	1715 sq. ft.	2285 sq. ft.	1715 sq. ft.
	Dark Roof Attic 1125/1425 sq. ft.	1442/1985 sq. ft.	1290 sq. ft.	1304 sq. ft.	1495 sq. ft.	1985 sq. ft.	1495 sq. ft.
9/12	Light Roof Attic 1200/1520 sq. ft.	1549/2135 sq. ft.	1180 sq. ft.	1399 sq. ft.	1600 sq. ft.	2135 sq. ft.	1600 sq. ft.
	Dark Roof Attic 1045/1325 sq. ft.	1347/1855 sq. ft.	1200 sq. ft.	1219 sq. ft.	1390 sq. ft.	1855 sq. ft.	1390 sq. ft.
12/12	Light Roof Attic 675/855 sq. ft.	870/1200 sq. ft.	782 sq. ft.	790 sq. ft.	900 sq. ft.	1200 sq. ft.	900 sq. ft.
	Dark Roof Attic 590/750 sq. ft.	757/1055 sq. ft.	684 sq. ft.	694 sq. ft.	790 sq. ft.	1055 sq. ft.	790 sq. ft.
15/12	Light Roof Attic 420/530 sq. ft.	559/770 sq. ft.	501 sq. ft.	508 sq. ft.	575 sq. ft.	770 sq. ft.	575 sq. ft.
	Dark Roof Attic 375/475 sq. ft.	486/670 sq. ft.	427 sq. ft.	430 sq. ft.	505 sq. ft.	670 sq. ft.	505 sq. ft.

How to calculate the pitch of your roof

PITCH is the angle of your roof, or the RISE in feet for every 12 feet of RUN. Pitch is determined by measuring the height of the attic (in feet) at a point that is 12 feet from where the roof rafters and the attic floor joists meet.

Example: 8/12 Roof Pitch

A roof that is 8 feet high at a point 12 feet from where the roof rafters meet the ceiling joists has a pitch of 8/12.



Model 356BR shown.



Model 349BR

Model 358

**Models
350BK/355BK/356BK**

**Models
350BR/355BR/356BR**

Powered Attic Ventilator Specifications

	Gable Mount		Roof Mount				
	Model 353†	Model 35316†	Model 349BR	Models 350BR/350BK	Models 355BR/355BK	Models 356BR/356BK	Model 358
Attic Size	Up to 1630 sq. ft.	Up to 2285 sq. ft.	Up to 1400 sq. ft.	Up to 1500 sq. ft.	Up to 1715 sq. ft.	Up to 2285 sq. ft.	Up to 1715 sq. ft.
Amps	3.4	3.9	4	3.6	4.3	6.0	4.3
CFM*	1140/900**	1600/1160	1000	1050	1200	1600	1200
RPM	950	1420	1050	1000	1050	1500	1050
Height	-	-	9"	8"	8"	8"	8"
Dome Dia.	-	-	24-1/2"	23-1/4"	23-1/4"	23-1/4"	23-1/4"
Dome Material	-	-	Painted Steel	PVC	PVC	PVC	Aluminum
Dome Color	-	-	Dark Brown	Brown/Black	Brown/Black	Brown/Black	Silver

Wall Control Switches: See page 43

† Model 433 Automatic Shutter Accessory sold separately. See below.

* Exhaust capacity HVI certified @ .03" static pressure.

** Higher CFM with Model 433 shutter. Lower CFM with standard wood louver. The Home Ventilating Institute (HVI) recommends 1 sq. ft. of open air inlet per 300 CFM of fan capacity. The best location for these air intake vents is under the eaves with direct access to the attic. Vents for gable installations should be placed at the end of the house opposite the installed ventilator. Failure to provide these intakes could cause natural-draft gas appliances to backdraft.

Model 433 Automatic Shutter for Gable Mount Attic Ventilators

Gable Mount Attic Ventilators for Broan models 353 and 35316 feature counter-balanced aluminum vanes that automatically open and close when the ventilator turns on and off.

- Steel reinforced for strength
- Weather-tight closure
- Easy to install

Model DH100W Humidistat

Sold separately for use with all Broan powered attic ventilators. Humidistats automatically turn on the fan when moisture in the attic is detected.



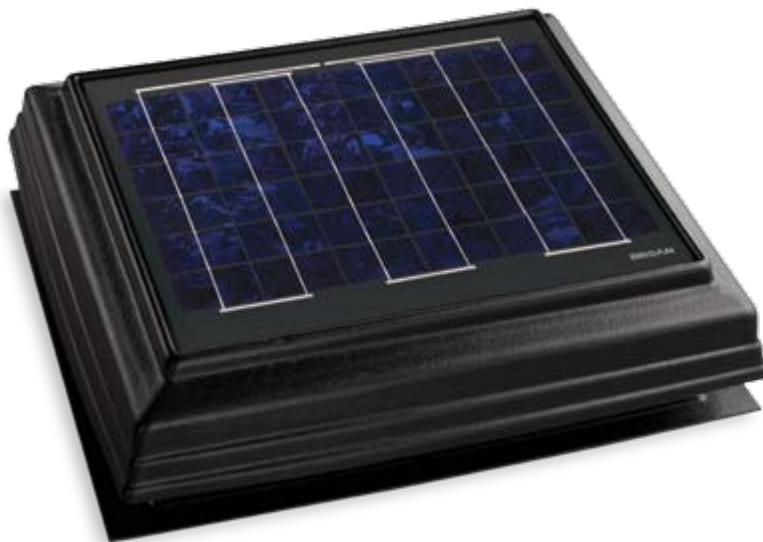
Model 73 High Temperature

Cut-off sold separately for use with all Broan powered attic ventilators. High temperature controls automatically turn off the ventilator at 204°F.

Model 353 Gable Fan



Harness the power of the sun to cool your attic.



Attic ventilation is often overlooked as a place for energy savings. Air trapped in your attic can easily reach 150°F or more. Unvented, that heat finds its way into your home, increasing the load on your air conditioner, and the expense of running it. Broan Solar-Powered Attic Ventilators (SPAV) can solve that problem—without fuel, waste or pollution. It's green for the environment, and more green in your wallet, too.

Surface Mount

Highly-sensitive solar cells capture energy without unsightly raised panels or tracking systems. The low, square design integrates with the shape of the shingles and roof. Available in Black, Brown and Weathered Wood.



Brown Model 355S0BR



Black Model 355S0BK



Weathered Wood Model 355S0WW



Curb Mount

For flat, tiled, or unusually steep roof installations, select a Curb Mount installation. An added lip fits over a simple curb box frame made from treated 2x4s (fabricated on-site) creating a solid platform and better manage water runoff. Available in Black and Brown.



Black Model 355CS0BK shown with a flat roof installation



Black Model 355CS0BK shown with a steep roof installation



Brown Model 355CS0BR shown with a tile roof installation



Remote Mount

Installing a ventilator where it is less visible, or more accessible from the roof or attic-side is possible with a Remote Mount model. The system enables placement of the remote, flat solar panel for best sunlight exposure and hides the ventilator from view. Includes 15' of wire—works with up to 50'. Available in Black and Brown.



Gable Mount

Gable installation enables the ventilator to be mounted vertically, away from the flat solar panel. Position the solar panel on the roof to best capture the sun's energy. Includes 15' of wire—works with up to 50'. Available in Black.



Model*	Mount	Color	Housing Material*	Solar Panel Power Output	Pieces	Dome/Panel Dimensions (inches)		
						Height"	Width"	Length"
355S0BK	Surface	Black	ABS Plastic	20 Watts	1 pc	7.5	25	21.75
355S0BR	Surface	Brown	ABS Plastic	20 Watts	1 pc	7.5	25	21.75
355S0WW	Surface	Weathered Wood	ABS Plastic	20 Watts	1 pc	7.5	25	21.75
355CS0BK	Curb	Black	ABS Plastic	20 Watts	1 pc	8.5	25	21.75
355CS0BR	Curb	Brown	ABS Plastic	20 Watts	1 pc	8.5	25	21.75
355RS0BK	Remote	Black	ABS Plastic	20 Watts	2 pcs, 15' wire	.75 / 7.5	25 / 25	21.75 / 21.75
355RS0BR	Remote	Brown	ABS Plastic	20 Watts	2 pcs, 15' wire	.75 / 7.5	25 / 25	21.75 / 21.75
353S0BK	Gable	Black	ABS Plastic	20 Watts	2 pcs, 15' wire	.75 / 8.75	25 / 19.75	21.75 / 16.5

*All UV-enhanced ABS plastic housings may be painted to match roof color.

CWT50 Cold Weather Thermostat

Although attic ventilation in the winter can offer significant benefits, particularly in regions that experience cold, humid conditions, some areas of the country traditionally see cold dry air. In these climates, it is not necessary for continual air movement. Broan offers a cold-weather thermostat to automatically disengage the fan when the temperature falls below 50°F.



Broan Ventilation Fans—Wall Control



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



Multi-function Control



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



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

Decorator Wall Controls

Model 69W, 69V

- Single-Function Controls
- 120V, 15 amps

Model 68W, 68V

- Two-Function Controls
- Two independent, 120V, 15 amp rocker switches (20 amps total)
- Fits single-gang box
- Blister packs available (P68W, P68V)

Model 65W, 65V, 66W, 66V, 67W, 67V

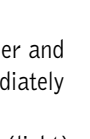
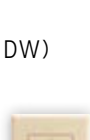
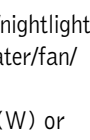
- Three-Function Controls
- Three independent, 120V, 15 amp rocker switches (20 amps total)
- Fits single-gang opening
- Blister packs available (P65W, P65V, P66W, P66V, P67W, P67V)
- Controls available in White (W) or Ivory (V)
- Wall plates available in: Polished brass finish (65W, 65V); White (66W) or Ivory (66V); Polished chrome finish (67W, 67V)

Model 77DW, 77DV

- 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 packs available (P77DW)

Model 64V, 64W

- Fan/Light Control with Off-Delay
- Fan and light operate together when control is turned on
- Fan continues to operate for a user adjustable time period 5-60 minutes after light is turned off
- Center position bypasses timer and turns fan and light off immediately
- Fits single-gang box
- 120V, 4 amps (fan), 4 amps (light)
- Requires hot and neutral wires in the switch box



Indicator Light Controls

Model 69WL, 69VL

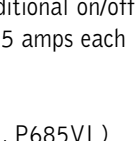
- Single-Function Controls
- For use with Ultra Silent™ Series fan units, or Remote In-Line Ventilators
- 120V, 20 amps
- Blister packs (P69WL, P69VL)
- Red light lets you know power is on

Model 269WL, 269VL

- Two-Function Controls
- For use especially with Ultra Silent™ Series fan units and an auxiliary light source
- Lighted fan control 120V, 20 amps; unlighted 120/240/277V, 15 amps
- Fits two-gang box

Model 685WL, 685VL

- Three-Function Controls
- For use especially with Ultra Silent™ Series fan/light/nightlight units
- Lighted fan control 120V, 20 amps; two additional on/off rocker switches 120V, 15 amps each (20 amps total)
- Fits two-gang box
- Blister packs (P685WL, P685VL)



Electronic Variable-Speed Wall Controls

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
- Blister packs available (P57W)

Model 72W, 72V, 75V (6-amp)*

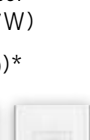
- 120V, 6 amps – Models 72W, 72V
- 240V, 6 amps – Model 75V
- Other features same as 57W/57V

Model 277V

- 277V, 6 amps
- Other features same as 57W/57V

Model 80L for Losone Fans

- For Broan High Capacity Fans, L100–L900L
- Metal housing
- Fan insulation is perforated for easy installation
- 120 V, 3 amps, 60 Hz
- UL Listed



Decorator Time Controls

Model 59W, 59V, 71V

- Model 59W, 59V – up to 60 minutes
- Model 71V – up to 12 hours
- Fits single-gang box
- 120V, 20 amps; 240V, 10 amps
- Blister packs available (P59W, P59V)
- Operate continuously or for any set period

Model 61W, 61V

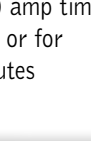
- 15 Minute
- Operate for any set period up to 15 minutes (no "continuous on" position)
- Other features same as 59W/59V

Model 62W, 62V

- 60 Minute
- Two separate 120V, 15 amp on/off rocker switches (20 amps total)
- 120V, 20 amps or 240V, 10 amp timer
- Timer operates continuously or for any set period up to 60 minutes
- Fits two-gang box

Model 63W, 63V

- 60 Minute
- Separate 120V, 15 amp on/off rocker switch
- Other features same as 62W/62V



Remote In-Line Ventilator Accessories

Model DH100W

- Dehumidistat
- Dual voltage (24V/120V)
- Variable setting from 20-80% relative humidity
- Usage guide included



Model T24H

- 24-Hour Programmable Timer
- 120V, 8 amps
- Sets up to 36 on/off cycles as short as 20 minutes
- Manual on/off override switch
- Fits single-gang box



Model 70TW

- Thermostat for any fan
- 120, 250, 277 VAC,
- 22 amp capacity



Broan Ventilation Products—Wall Control Selection Guide

		57W 57V	59W 59V	61W 61V	62W 62V	63W 63V	64W 64V	65W 65V	66W 66V	67W 67V	68W 68V	69W	69WL 69VL	70TW	71V	72W 72V	73	75V	77DW 77DV	80L	269WL 269VL	685WL 685VL	DH 100W	T24H
Utility Fans	502	•	•	•			•					•	•	•	•	•							•	•
	503	•	•	•			•					•	•	•	•	•							•	•
	504	•	•	•			•					•	•	•	•	•							•	•
	505	•	•	•			•					•	•	•	•	•							•	•
	506 & 507	chain operated																						
	508	•	•	•			•					•	•	•	•	•							•	•
	509	•	•	•								•	•	•		•							•	
	509S ¹		•	•			•							•	•								•	•
	510 ²		•	•			•							•	•								•	•
	511 ²													•										
	512 & 512M	•	•	•								•	•	•	•	•							•	•
Ventilation Fans	12C		•	•			•					•	•	•	•	•							•	•
	670	•	•	•			•					•	•	•	•	•							•	•
	671	•	•	•			•					•	•	•	•	•							•	•
	676	•	•	•			•					•	•	•	•	•							•	•
	682	•	•	•			•					•	•	•	•	•							•	•
	684	•	•	•			•					•	•	•	•	•							•	•
	688	•	•	•			•					•	•	•	•	•							•	•
	689	•	•	•			•					•	•	•	•	•							•	•
	HD50	•	•	•			•	•	•	•		•	•	•	•	•							•	•
	HD80	•	•	•			•					•	•	•	•	•							•	•
	QT Fans	•	•	•		•	•				•	•	•	•	•	•							•	•
Fan/Lights	QTXE110S											•	•											
	QTRE100S											•	•											
	657	•	•	•		•	•				•			•	•	•							•	•
	678	•	•	•		•	•				•			•	•	•							•	•
	679	•	•	•		•	•				•			•	•	•							•	•
	680	•	•	•		•	•				•			•	•	•							•	•
	696	•	•	•		•	•				•			•	•	•							•	•
	741SN 741WH	•	•	•		•	•				•			•	•	•							•	•
	744					•					•			•									•	
	744FL					•					•			•									•	
	744SFL					•					•			•									•	
	750	•	•	•	•		•	•	•	•	•			•	•	•					•	•	•	•
	751	•	•	•		•	•				•			•	•	•					•		•	•
	754RB, 754SN	•	•	•		•	•				•			•	•	•					•		•	•
	757SN	•	•	•		•	•				•			•	•	•					•		•	•
	758	•	•	•		•	•				•			•	•	•					•		•	•

¹Built-in on/off switch. ²Built-in on/off variable switch.

Broan Ventilation Products—Wall Control Selection Guide

		57W 57V	59W 59V	61W 61V	62W 62V	63W 63V	64W 64V	65W 65V	66W 66V	67W 67V	68W 68V	69W	69WL 69VL	70TW	71V	72W 72V	73	75V	77DW 77DV	80L	269WL 269VL	685WL 685VL	DH 100W	T24H
Fan/Lights	761BN, 761RB	•	•	•		•	•				•			•	•	•							•	•
	764BN, 764RB, 764WH	•	•	•		•	•				•			•	•	•							•	•
	766BN, 766RB	•	•	•		•	•				•			•	•	•							•	•
	HD50L	•	•	•		•	•				•			•	•	•					•		•	•
	HD80L	•	•	•		•	•				•			•	•	•					•		•	•
	QT Fan/Lights	•	•	•	•	•	•		•					•	•	•							•	•
	QT Sensing Fan/Lights							•	•	•									•					
Heater/Fan/Lights	100HL	•	•	•	•			•	•	•				•	•	•							•	•
	100HFL	•	•	•	•			•	•	•				•	•	•							•	•
	161		•	•			•						•										•	•
	162	•	•	•		•	•				•			•	•	•					•		•	•
	163		•	•		•						•	•										•	•
	164	•	•	•	•	•		•	•	•	•			•	•	•					•	•	•	•
	655	•	•	•	•			•	•	•				•	•	•					•	•	•	•
	656		•	•		•								•	•								•	•
	658	•	•	•		•					•			•	•	•					•		•	•
	659	•	•	•	•			•	•	•				•	•	•					•	•	•	•
	QTX110HL	•	•	•	•			•	•	•				•	•	•			•				•	•
	QTX110HFL	•	•	•	•			•	•	•				•	•	•			•				•	•
High Capacity	L100–L700 Series	•	•	•			•					•	•	•	•	•				•			•	•
	L900 Series		•	•			•					•	•	•	•	•				•			•	•
	L1500 Series		•	•								•	•	•	•	•							•	
	L2000L		•	•								•	•	•	•	•							•	•
In-Line	MP100, MP140 MP200	•	•	•								•	•	•	•	•							•	•
	MP280	•	•	•								•	•	•	•	•							•	•
	SP100, SP140 SP200	•	•	•								•	•	•	•	•							•	•
Attic Ventilation	349BR		•	•								•	•	•	•	•	•						•	•
	350BK		•	•								•	•	•	•	•	•	•					•	•
	350BR		•	•								•	•	•	•	•	•	•					•	•
	353		•	•								•	•	•	•	•	•	•					•	•
	35316		•	•								•	•	•	•	•	•	•					•	•
	355BK		•	•								•	•	•	•	•	•	•					•	•
	355BR		•	•								•	•	•	•	•	•	•					•	•
	356BK		•	•								•	•	•	•	•	•	•					•	
	356BR		•	•								•	•	•	•	•	•	•					•	
	358		•	•								•	•	•	•	•	•	•					•	•

Broan Ventilation Fans—Ducting Accessories

Roof Caps

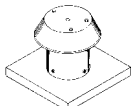
Model 611 Roof Cap

- For flat roof installation
- Aluminum natural finish
- For up to 8" round duct



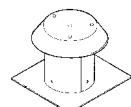
Model 611CM Roof Cap

- For curb mount installation
- Other features same as Model 611



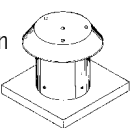
Model 612 Roof Cap

- For flat roof installation
- Aluminum natural finish
- For up to 12" round duct



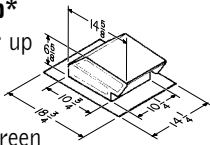
Model 612CM Roof Cap

- For curb mount installation
- Other features same as Model 612



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

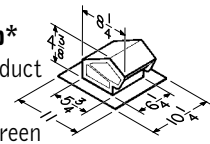


Model 634M Roof Cap*

- Same as Model 634 except for 6" round duct

Model 636 Roof Cap*

- For 3" or 4" round duct
- Built-in backdraft damper and bird screen
- Steel baked black enamel finish

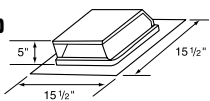


Model 636AL Roof Cap

- Same as Model 636, except aluminum natural finish

Model 644 Roof Cap

- Same as Model 634, except for aluminum natural finish



Ducting

Model 401 Duct

- 3-1/4" x 10" duct
- 2' galvanized section



Model 406 Round Duct

- 6" round duct
- 2' galvanized section



Ducting Continued

Model 407 Round Duct

- 7" round duct
- 2' galvanized section

Model 410 Round Duct

- 10" round duct
- 2' galvanized section

Models DT4C, DT6C Non-Insulated Flexible Duct

- 4" (DT4C) or 6" (DT6C) round
- DT4C is a 4-pack
- 25' standard length



Models DT4W, DT6W Insulated Flexible Duct

- 4" (DT4W) or 6" (DT6W) round
- 25' standard length



Transitions

Model 411 Transition

- Converts 3-1/4" x 10" duct to 6" round duct



Model 412H Transition

- Converts 3-1/4" x 10" duct to 7" round duct

Model 413 Transition

- Converts 3-1/4" x 10" duct to 8" round duct

Model 414 Transition

- Converts 8" round duct to 10" round duct

Model 472 Transition

- Converts 10" round duct to 8" round duct
- Includes damper

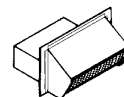
Model 475 Transition

- Converts 6" round duct to 4" round duct
- Available in 6 Pack (475B)

Wall Caps Continued

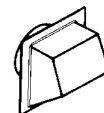
Model 639 Wall Cap*

- For 3-1/4" x 10" duct
- Spring-loaded backdraft damper
- Built-in bird screen
- Steel baked black enamel finish



Model 641 Wall Cap*

- For 6" round duct
- Built-in backdraft damper and bird screen
- Aluminum natural finish
- Model 647 for 7" Round duct



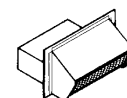
Model 647 Wall Cap

- For 7" round duct
- Other features same as Model 641



Model 649 Wall Cap

- Same as Model 639, except aluminum natural finish



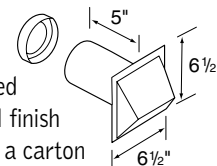
Model 843BL*

- For 6" round duct
- Built-in backdraft damper and bird screen
- Black finish



Model 885BL Wall Cap*

- For 3" or 4" round duct
- 4" to 3" transition included
- Steel baked black enamel finish
- Standard package – 6 to a carton
- Built-in bird screen – and damper

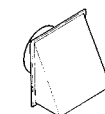


Model 885AL Wall Cap*

- For 3" or 4" round duct
- 4" to 3" transition included
- Aluminum natural finish
- Standard package – 4 to a carton
- Built in bird screen and damper

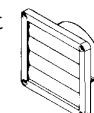
Model 643 Wall Cap

- For 8" round duct
- Aluminum natural finish



Model 645 Louvered

- Wall Cap for 3" Round Duct
- White polymeric
- 6 to a carton



Model 646 Louvered Wall Cap for 6" Round Duct

- Single pack
- White polymeric

Model WC650 Wall Cap*

- For 4" round duct
- White polymeric
- 4 to a carton



* Not for use with dryers.

Ducting Kits

Model RVK1A*

Flexible Roof Ducting Kit

- Includes Model 636 Roof Cap
- 4" diameter metal duct connector
- 2 duct clamps
- 4" to 3" reducer
- 8' of 4" flexible aluminum ducting



Model WVK2A*

Flexible Wall Ducting Kit

- Includes white polymeric wall cap
- 4" diameter metal duct connector
- 2 duct clamps
- 4" to 3" reducer
- 5' of 4" flexible aluminum ducting



Filters

Model 99010042 Aluminum Filter

- Fits Utility Ventilator Models 503, 503MG, 505, 505MG, 509, 509MG, 509S and 509SMG



Model 99010271 Aluminum Filter

- Fits Utility Ventilator Models 12C, 12CMG, 502, 502MG, 504, 504MG, 508, 508MG, 510, 510MG, 511 and 511MG

Metal Grille Kit

Model 97011308

- Steel baked white enamel finish
- Fits fan Models 670, 671, 676, 684, 688 and 689
- Grille size is 10-1/4" square

Elbows

Model 415

Adjustable Elbow

- Fits 7" round duct



Model 418

Adjustable Elbow

- Fits 10" round duct

Model 419

Adjustable Elbow

- Fits 6" round duct

Model 428

Vertical Elbow

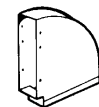
- Fits 3-1/4" x 10" duct



Model 429

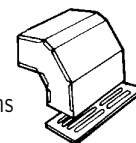
Horizontal Elbow

- Fits 3-1/4" x 10" duct



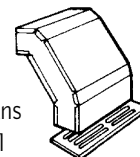
Model 430 Short Eave Elbow

- For 3-1/4" x 10" duct
- Includes backdraft damper and grille
- Only recommended for fans with more than 160 CFM



Model 431 Long Eave Elbow

- For 3-1/4" x 10" duct
- Includes backdraft damper and grille
- Only recommended for fans with more than 160 CFM



* Not for use with dryers.

Broan Ventilation Fans—Specifications

Fans

Fans			Sones	Baths	ENERGY	Duct	Housing Dimensions			Grille Dimensions		Grille finish	Amps
	Page	CFM	HVI- certified	(up to) Sq Ft			STAR®	Size"	L"	W"	H"		
QTXE050	13	50	<0.3	45	Yes	6	11%	10%	7%	14	15	White Polymeric	0.3
QTXE080	13	80	0.3	75	Yes	6	11%	10%	7%	14	15	White Polymeric	0.4
QTXE110	13	110	0.7	100	Yes	6	11%	10%	7%	14	15	White Polymeric	0.3
QTXE110S	12	110	0.7	100	Yes	6	11%	10½	7%	12%	13¾	White Polymeric	0.3
QTXE150	13	150	1.4	140	Yes	6	11%	10%	7%	14	15	White Polymeric	0.5
QTRE100S	12	100	1.5	90	Yes	4	11%	10½	7%	12%	13¾	White Polymeric	0.3
QTRE080	13	80	0.8	75	Yes	4	11%	10%	7%	13	14	White Polymeric	0.4
QTRE080C2S	13	80/40	0.8/<0.3	75	Yes	4	11%	10%	7%	13	14	White Polymeric	0.3
QTRE080R	12	80	0.8	75	Yes	4	11%	10%	7%	13	14	White Polymeric	0.3
QTRE110	13	110	1.3	100	Yes	4	11%	10%	7%	13	14	White Polymeric	0.3
QTR080	13	80	1.0	75		4	11%	10%	7%	13	14	White Polymeric	0.7
QTR110	13	110	1.5	100		4	11%	10%	7%	13	14	White Polymeric	0.9
670	17	50	3.5	45		3	7%	7½	3%	9	9%	White Polymeric	0.8
671	17	70	6.0	65		3	7%	7%	3%	9	9%	White Polymeric	1.2
676	17	110	4.0	100		4	8	8%	5%	10%	11%	White Polymeric	1.3
682	17		—			Duct-free	7%	7%	3%	8%	8%	White Polymeric	1.0
684	17	80	2.5	75		4	8	8%	5%	10%	11%	White Polymeric	0.5
688	17	50	4.0	45		3	7%	7%	3%	9	9%	White Polymeric	0.9
689	17	60	5.5	55		3	7%	7%	3%	9	9%	White Polymeric	1.5
690*	16	60	3.0	55		—	—	—	—	9%	11%	White Polymeric	1.5
784	17	80	2.0	75		4	8	8%	5%	10%	11%	White Polymeric	0.5
HD50	17	50	1.5	45	Yes	4	8	8%	5%	10%	10%	White Painted Metal	0.4
HD50RDF**	16	50	1.5	45	Yes	4	8	8¾	5¼	10¾	10¾	White Acrylic Metal	0.4
HD80	17	80	2.5	75		4	8	8%	5%	10%	10%	White Painted Metal	0.6
80RDF**	16	80	2.5	75		4	8	8¾	5¾	10¾	10¾	White Acrylic Metal	0.6
HD80RDF**	16	80	2.5	75		4	8	8¾	5¼	10¾	10¾	White Acrylic Metal	0.6
110RDF**	16	110	4.0	105		4	8	8¾	5¼	10¾	10¾	White Acrylic Metal	0.6
SSQTXE080	15	80			Yes		11%	10%	7¼				
SSQTXE110	15	110			Yes		11%	10%	7¼				

Radiation Dampers can be found on page 14. *Replacement grille and motor kit. **Model RDA fan housing only sold separately for radiation dampers/fans.

Utility Fans

	Page	CFM	Sones	Housing Dimensions			Grille Dimensions		Amps	Duct
				L"	W"	H"	L"	W"		
12C	19	360	8.0		11½ Sq		13½ Sq		1.7	Direct Discharge
502	18	270	8.0	16½	13½	3½	13½ Sq		1.7	3½" x 10"
503	18	160	5.0	14	12	3½	11½ Sq		1.5	3½" x 10"
504	19	350	6.5		10½ Rd	7	13½ Sq		1.7	10"
505	19	180	6.5		8½ Rd	7	11½ Sq		1.5	8"
506	18	470	8.0		10½ Rd		13½ Sq		1.7	Direct Discharge
507	18	250	7.0		8½ Rd		11½ Sq		1.5	Direct Discharge
508	19	270	6.0		10½ Rd		13½ Sq		1.7	Direct Discharge
509	19	180	6.5		8½ Rd		13½ Sq		1.5	Direct Discharge
509S	19	180	6.5		8½ Rd		13½ Sq		1.5	Direct Discharge
510	18	380	6.5		11½ Sq		13½ Sq		1.7	Room to room wall fan
511	18	180	4.5		11½ Sq		13½ Sq		0.9	Room to room wall fan
512	19	90	3.5		6 Rd		8 Dia		0.7	Room to room wall fan
512M	19	70	3.5		6 Rd		8 Dia		0.7	Direct Discharge
673	19	60	4.5		6½ Rd	5½	8 Dia		1.0	6"

In-Line Ventilators

	Page	CFM	0.2" Ps Sones	Housing Dimensions			Amps	Duct
				L"	W"	H"		
MP100	20	110	1.0	11	10½	9½	0.5	4 - 4" Rd Inlets, 6" Rd Outlet
MP140	20	150	1.5	11	10½	9½	0.8	4 - 4" Rd Inlets, 6" Rd Outlet
MP200	20	210	2.0	11	10½	9½	1.3	4 - 4" Rd Inlets, 6" Rd Outlet
MP280	20	290	3.0	15½	14½	14½	2.5	4 - 4" Rd Inlets, 6" Rd Outlet
SP100	21	110	1.0	11	10½	9½	0.5	6" Rd Inlet and Outlet
SP140	21	150	1.5	11	10½	9½	0.8	6" Rd Inlet and Outlet
SP200	21	210	2.0	11	10½	9½	1.3	6" Rd Inlet and Outlet

High Capacity Fans

		CFM/Sones .125" Ps (AMCA)		Housing Dimensions			Grille Dimensions		Amps at 60 Hz	Duct"	Watts	Volts
	Page	CFM	Sones	L"	W"	H"	L"	W"				
L100	22	109	0.9	12½	12¼	11¼	14	14	1.1	6	87	120
L100L	22	106	0.7	12¼	12¼	11¼	—	—	1.1	6	87	120
L100MG	22	115	0.9	12¼	12¼	11¼	14	14	1.1	6	87	120
L150	22	157	1.5	12¼	12¼	11¼	14	14	1.3	6	100	120
L150L	22	147	1.1	12¼	12¼	11¼	—	—	1.3	6	100	120
L150MG	22	161	1.4	12¼	12¼	11¼	14	14	1.3	6	100	120
L200	23	210	1.7	12¼	12¼	11¼	14	14	1.8	8	127	120
L200L	23	195	1.9	12¼	12¼	11¼	—	—	1.8	8	127	120
L200MG	23	215	1.9	12¼	12¼	11¼	14	14	1.8	8	127	120
L250	23	259	2.2	12¼	12¼	11¼	14	14	2.1	8	166	120
L250L	23	245	2.3	12¼	12¼	11¼	—	—	2.1	8	166	120
L250MG	23	265	2.5	12¼	12¼	11¼	14	14	2.1	8	166	120
L300	23	308	2.9	12¼	12¼	11¼	14	14	2.6	8	212	120
L300KMG	23	277	3.1	12¼	12¼	11¼	14	14	2.6	8	212	120
L300L	23	293	3.1	12¼	12¼	11¼	—	—	2.6	8	212	120
L300MG	23	316	3.0	12¼	12¼	11¼	14	14	2.6	8	212	120
L400	24	434	2.3	21½	12¼	11¼	23¾	14	1.4	4½ x 18½	146	120
L400K	24	406	3.3	21½	12¼	11¼	23¾	14	1.4	4½ x 18½	146	120
L400L	24	406	1.6	21½	12¼	11¼	—	—	1.4	4½ x 18½	146	120
L500	24	514	3.3	21½	12¼	11¼	23¾	14	2.2	4½ x 18½	232	120
L500K	24	481	4.4	21½	12¼	11¼	23¾	14	2.2	4½ x 18½	232	120
L500L	24	519	3.4	21½	12¼	11¼	—	—	2.2	4½ x 18½	232	120
L700	24	701	4.7	21½	12¼	11¼	23¾	14	2.9	4½ x 18½	313	120
L700L	24	681	3.7	21½	12v	11¼	—	—	2.9	4½ x 18½	313	120
L900	25	901	4.1	22	18	18	23¾	19%	3.0	8 x 12	306	120
L900L	25	894	3.8	22	18	18	—	—	3.0	8 x 12	306	120
L1500	25	1513	8.4	22	18	18	23¾	19%	5.0	8 x 12	468	120
L1500L	25	1214	6.7	22	18	18	—	—	5.0	8 x 12	468	120
L2000L	25	1791	9.4	38	14¼	14¼	—	—	5.8	7¼ x 33¼	590	120

Fan/Lights

	Page	CFM	Sones, HVI-certified	Baths up to () Sq Ft	Lighting Watts Main/ Nightlight	ENERGY STAR®	Fluorescent Lighting	Duct Size"	Housing Dims			Grille Dims		Grille finish	Amps
									L"	W"	H"	L"	W"		
QTXE080FLT	29	80	0.3	75	2-18W fluoro/4	Yes	Yes	6	11½	10½	7%	13%	14%	White Polymeric	1.0
QTXE110FLT	29	110	0.7	100	2-18W fluoro/4	Yes	Yes	6	11½	10½	7%	13%	14%	White Polymeric	1.0
QTXE150FLT	29	150	1.4	140	2-18W fluoro/4	Yes	Yes	6	11½	10½	7%	13%	14%	White Polymeric	1.2
QTRE080FLT	29	80	0.8	75	2-18W fluoro/4	Yes	Yes	4	11½	10½	7%	12%	14	White Polymeric	1.0
QTRE110FLT	29	110	1.3	100	2-18W fluoro/4	Yes	Yes	4	11½	10½	7%	12%	14	White Polymeric	1.0
QTR080L	29	80	1.0	75	100/4			4	11½	10½	7%	12%	14	White Polymeric	1.6
QTR110L	29	110	1.5	100	100/4			4	11½	10½	7%	12%	14	White Polymeric	1.8
QTX110SL	29	110	0.9	100	100/4			6	11½	10½	7%	13	13%	White Polymeric	0.3
QTXE110SFLT	29	110	0.7	100	2-18W fluoro/4	Yes	Yes	6	11½	10½	7%	12%	13%	White Polymeric	0.3
657	33	70	4.0	65	100			4	14¼	8¼	5%	16¼	10%	White Polymeric	2.0
678	33	50	2.5	45	100			4	8¼	8	5%	11¼	10%	White Polymeric	1.6
679	33	70	3.5	65	100			4	8¼	8	5%	11¼	10%	White Polymeric	2.0
680	33	100	4.0	90	100			4	8¼	8	5%	11¼	10%	White Polymeric	2.2
696	33	100	4.5	90	100			4	14¼	8¼	5%	16¼	10%	White Polymeric	2.0
741SN	30	70	3.5	65	120 (2-60W)			4	8¼	8	5%	13¼ Dia		Satin Nickel	2.2
741WH	30	70	3.5	65	120 (2-60W)			4	8¼	8	5%	13¼ Dia		White	2.2
744	32	70	1.5	65	75			4	8¼	12¼	6%	7¼ Dia		Matte White	1.2
744FL	32	70	1.5	65	14	Yes	Yes	4	8¼	12¼	6%	7¼ Dia		Matte White	0.7
744SFL	32	70	1.5	65	14	Yes	Yes	4	8¼	12¼	6%	7¼ Dia		Matte White	0.7
750	33	100	3.5	90	100/7			4	9	9	6	15 Dia		White Polymeric	1.9
751	33	100	3.5	90	100			4	9	9	6	15 Dia		White Polymeric	1.9
754RB	31	70	3.5	65	120 (2-60W)			4	8¼	8	5%	13¼ Dia		Oil-rubbed Bronze	2.2
754SN	31	70	3.5	65	120 (2-60W)			4	8¼	8	5%	13¼ Dia		Nickel	2.2
757SN	31	80	2.5	75	120 (2-60W)			4	8¼	8	5%	13¼ Dia		Satin Nickel	1.6
778WH	33	80	2.0	75	2-13W GU24	Yes	Yes	4	8¼	8	5%	13¼ Dia		White	0.5
HD50L	33	50	1.5	45	100			4	8	8¼	5%	10%	10%	White Polymeric	0.4
HD80L	33	80	2.5	75	100			4	8	8¼	5%	10%	10%	White Polymeric	0.6

Broan Ventilation Fans—Specifications

Fan/Lights

	Page	CFM	Sones, HVI- certified	Baths up to () Sq Ft	Lighting Watts Main/ Nightlight	ENERGY STAR®	Fluorescent Lighting	Duct Size"	Housing Dims			Grille Dims		Grille finish	Amps
									L"	W"	H"	L"	W"		
761BN	30	80	2.5	75	120 (2-60W)			4	8¾	8	5¾	13¾ Dia		Brushed Nickel	1.6
761RB	30	80	2.5	75	120 (2-60W)			4	8¾	8	5¾	13¾ Dia		Oil-rubbed Bronze	1.6
764BN	31	80	2.5	75	120 (2-60W)			4	8¾	8	5¾	13¾ Dia		Brushed Nickel	1.6
764RB	31	80	2.5	75	120 (2-60W)			4	8¾	8	5¾	13¾ Dia		Oil-rubbed Bronze	1.6
764WH	31	80	2.5	75	120 (2-60W)			4	8¾	8	5¾	13¾ Dia		White	1.6
766BN	30	80	2.5	75	120 (2-60W)			4	8¾	8	5¾	13¾ Dia		Brushed Nickel	1.6
766RB	30	80	2.5	75	120 (2-60W)			4	8¾	8	5¾	13¾ Dia		Oil-rubbed Bronze	1.6

Heater/Fan/Lights

	Page	CFM	Sones, HVI Certified	Lighting Main/ Nightlight	Housing Dimensions			Grille Dimensions		Grille Finish	Duct Size"	Amps	Total Connected Load In Watts	Heater Wattage	BTU
					L"	W"	H"	L"	W"						
QTX110HL	35	110	0.9	120W/7W	17¾	11¾	7¾	20	15	White Polymeric	6	14.6	1710	1500	5120
QTX110HFLT	35	110	0.9	36W Fluor. (GU24 Incl.)/7W	17¾	11¾	7¾	20	15	White Polymeric	6	13.9	1626	1500	5120
100HL	36	100	2.0	100W	16	10¾	5¾	17¾	11¾	White Polymeric	4	14.5	1830	1500	5120
100HFL	36	100	2.0	27W Fluor. (Incl.)	16	10¾	5¾	17¾	11¾	White Polymeric	4	14.0	1760	1500	5120
162	37	70	3.5	*250W (1)	8¾	8¾	6¾	10¾	10¾	White Polymeric	4	2.5	300	250*	853
164	37	70	3.5	*250W (2)	14¾	8¾	6¾	15¾	10¾	White Polymeric	4	4.5	545	500*	1707
655	37	70	4.0	100W	14¾	8¾	5¾	16¾	10¾	White Polymeric	4	12.8	1545	1300	4437
656	37	—	—	100W	14¾	8¾	5¾	16¾	10¾	White Polymeric	—	11.9	1448	1300	4437
658	37	70	4.0	n/a	14¾	8¾	5¾	16¾	10¾	White Polymeric	4	11.9	1448	1300	4437
659	37	50	2.5	100W	14¾	8¾	5¾	16¾	10¾	White Polymeric	4	12.0	1472	1300	4437

Bulb Heaters*

	Page	Heater Wattage	Volts	Amps	BTU/hr	Housing Dimensions			Grille Dimensions		Grille Finish
						W"	H"	D"	W"	H"	
161	37	250	120	2.1	853	8¾	6¾	8¾	10¾	10¾	White Polymeric
163	37	500	120	4.3	1707	14¾	6¾	8¾	15¾	10¾	White Polymeric

* See models 162 and 164 above for Ventilation Fan/Bulb Heater versions.

Powered Attic Ventilators, Gable and Roof Mount

			Housing Dimensions								
	Page	Description	L"	W"	H"	CFM	Sones	Amps	Dome Color	Dome Material	
349BR	38	PAV—Roof Mount	22¼ Sq	24½ Dia Dome	9	1000	n/a	4	Dark Brown	Metal	
350BK	38	PAV—Roof Mount	22¼ Sq	23¾ Dia Dome	8	1050	n/a	3.6	Black	PVC	
350BR	38	PAV—Roof Mount	22¼ Sq	23¾ Dia Dome	8	1050	n/a	3.6	Brown	PVC	
353	38	PAV—Gable Mount	15 Dia	—	8	1140	n/a	3.4	—	—	
35316	38	PAV—Gable Mount	15 Dia	—	8	1600	n/a	3.9	—	—	
355BK	38	PAV—Roof Mount	22¼ Sq	23¾ Dia Dome	8	1200	n/a	4.3	Black	PVC	
355BR	38	PAV—Roof Mount	22¼ Sq	23¾ Dia Dome	8	1200	n/a	4.3	Brown	PVC	
356BK	38	PAV—Roof Mount	22¼ Sq	23¾ Dia Dome	8	1600	n/a	8	Black	PVC	
356BR	38	PAV—Roof Mount	22¼ Sq	23¾ Dia Dome	8	1600	n/a	8	Brown	PVC	
358	38	PAV—Roof Mount	22¼ Sq	23¾ Dia Dome	8	1200	n/a	4.3	Silver	Metal	

Solar-Powered Attic Ventilators, Gable and Roof Mount

Model*	Page	Mount	Color	Housing Material*	Solar Panel Power Output	Pieces	Dome/Panel Dimensions (inches)		
							Height"	Width"	Length"
355SOBK	41	Surface	Black	ABS Plastic	20 Watts	1 pc	7.5	25	21.75
355SOBR	41	Surface	Brown	ABS Plastic	20 Watts	1 pc	7.5	25	21.75
355SOWW	41	Surface	Weathered Wood	ABS Plastic	20 Watts	1 pc	7.5	25	21.75
355CSOBK	41	Curb	Black	ABS Plastic	20 Watts	1 pc	8.5	25	21.75
355CSOBR	41	Curb	Brown	ABS Plastic	20 Watts	1 pc	8.5	25	21.75
355RSOBK	41	Remote	Black	ABS Plastic	20 Watts	2 pcs, 15' wire	.75 / 7.5	25 / 25	21.75 / 21.75
355RSOBR	41	Remote	Brown	ABS Plastic	20 Watts	2 pcs, 15' wire	.75 / 7.5	25 / 25	21.75 / 21.75
353SOBK	41	Gable	Black	ABS Plastic	20 Watts	2 pcs, 15' wire	.75 / 8.75	25 / 19.75	21.75 / 16.5

*All UV-enhanced ABS plastic housings may be painted to match roof color.



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