

Broan. The leader in residential ventilation.



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

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

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



www.Broan.com

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Ventilation Fans

Heating Products

Attic/Whole-house
Ventilation



May 2006

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.

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.

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.

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.

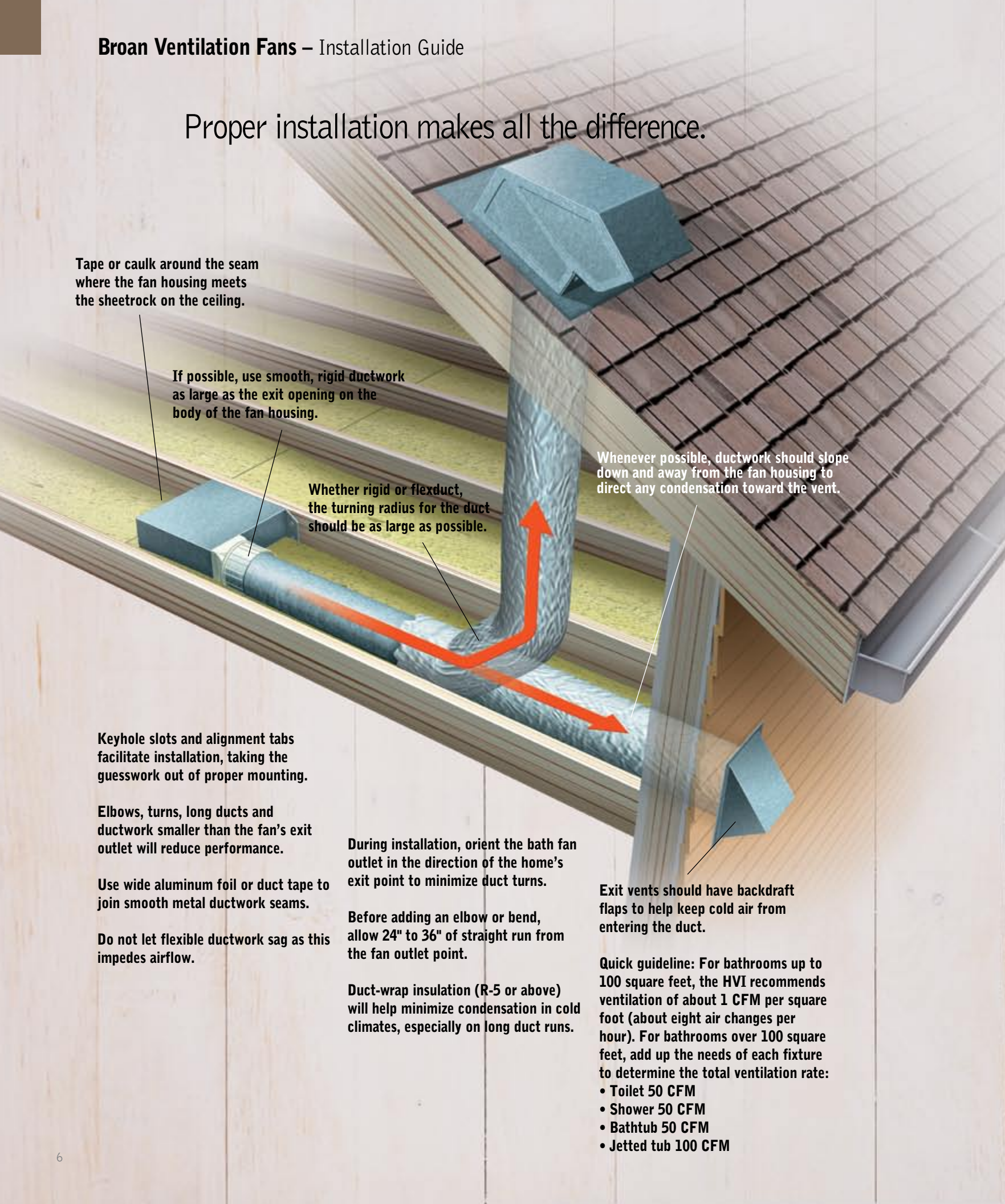
What “HVI certified” means to you.

The Home Ventilation 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.

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 Ventilation 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 Ventilation 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.



Model QTXE Fans, page 13

Model QTXE Fan/Lights, page 27

Model QTRE & QTR 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. Whether you

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

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.

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 QTRE & QTR Fan/Lights, page 27



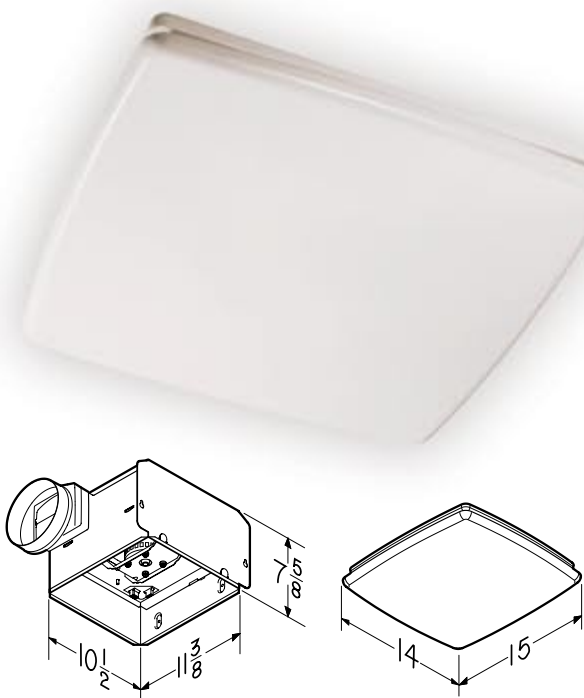
Model QTX Heater/Fan/Light, page 35

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.

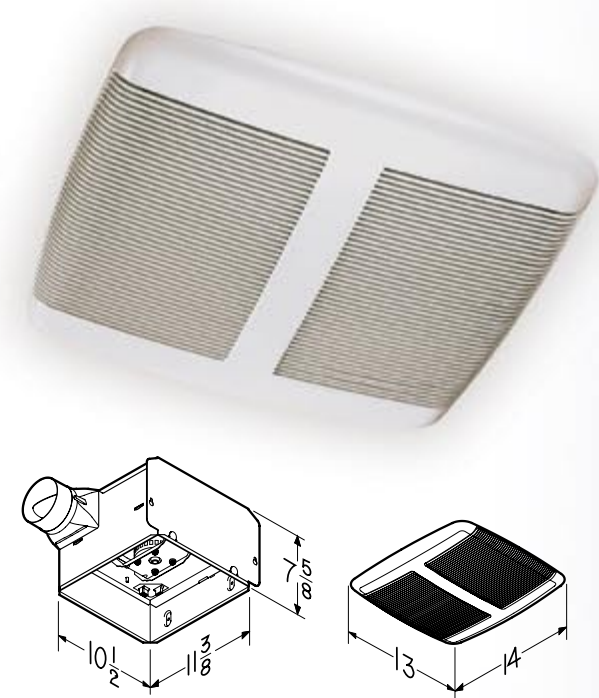
QTXE, QTRE and QTR Fan Features

- 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
- QTR and QTXE models are Energy Star qualified
- Motor engineered for continuous operation
- HVI Certified
- Designed for easy installation
- UL Listed for use over bathtubs or showers when connected to a GFCI protected branch circuit


QTXE Models



QTRE & QTR 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	0.9	Yes	100	6"▲
QTXE150	150	1.4	Yes	140	6"▲
QTRE080*	80	0.8	Yes	75	4"
QTRE110*	110	1.3	Yes	100	4"
QTR080	80	1.0	—	75	4"
QTR110	110	1.5	—	100	4"

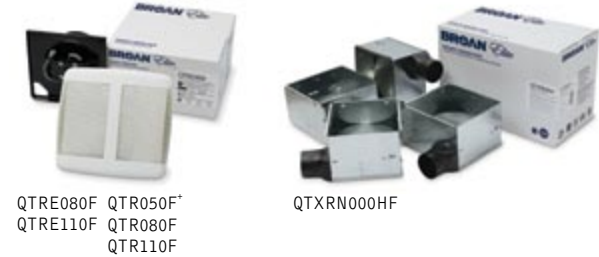
 Energy Star fans use 65% less energy, on average, than standard models and may qualify for local utility rebates.
▲ See page 50 for 6" ducting (DT6W) product specifications.
*HVI recertification in progress.

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.



You have simple needs. Broan has simply everything.

Broan Ventilation Fans – Sensing

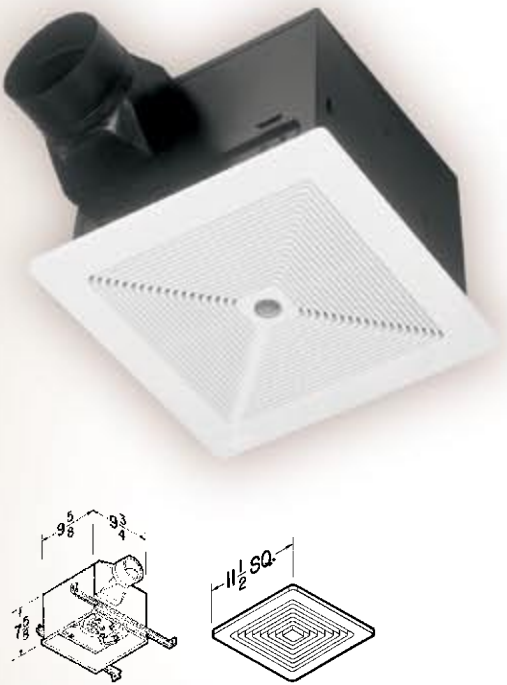
Broan Sensing Fans deliver “hands-free” bath fan operation that detects motion, humidity or both, so they’re ideal for problem areas in residential, institutional or light-commercial applications. Our exclusive sensing capability is a perfect solution for the physically challenged, where hands-free lighting and ventilation control is essential. Eliminating the need for a wall switch makes them a practical solution for public restroom lighting and ventilation. **Motion Sensing** turns the fan on when you enter the room. Adjust automatic shut-off time from 5 to 60 minutes after motion stops, as well as the sensor’s “field of view” to your application. **Humidity Sensing** detects rapid increases in moisture levels and turns the fan on and off automatically to help prevent cosmetic and structural problems associated with excess moisture. An automated solution to fighting excess humidity and mold.

- Features common to Humidity Sensing products
- Humidity sensing detects rapid rise in humidity over time, not just absolute value
 - Humidity is sensed at the ceiling where it is most prevalent

- Auto shut-off time is adjustable from 5 to 60 minutes
 - Helps prevent lingering, excessive humidity which can cause mold
 - 4" round duct connector

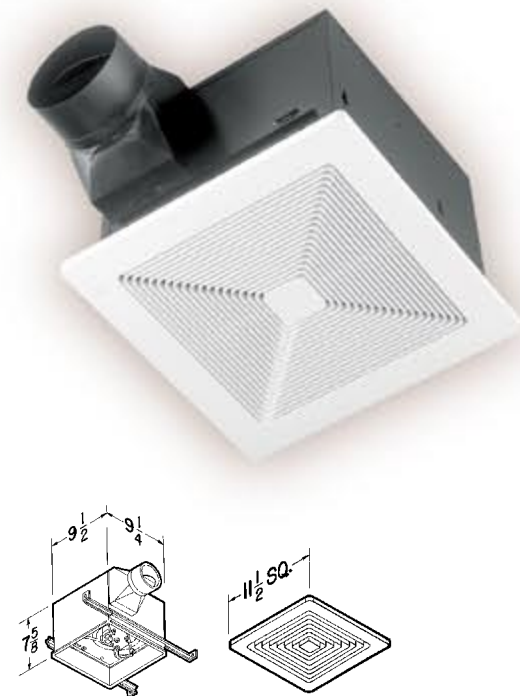
- UL Listed for use over bathtubs or showers when connected to a GFCI protected branch circuit
 - HS110UE features a highly efficient motor and is Energy Star qualified

Motion Sensing

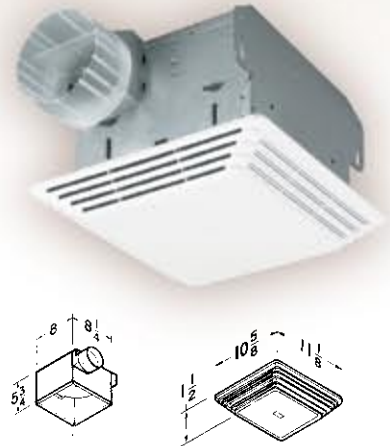


Fan Model	CFM	Sones	Humidity Sensing	Motion Sensing
HS110UE	110	1.5	Yes	–
HS130	130	3.5	Yes	–
HS90	90	1.5	Yes	–
MS130	130	3.5	–	Yes
MS90	90	1.5	–	Yes

Humidity Sensing



Ceiling Mount



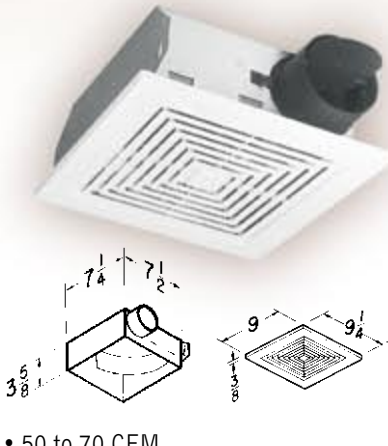
- 80 to 110 CFM
- Centrifugal blower wheel and 4-pole motor deliver high exhaust capacity at low sound levels
- White polymeric grille complements virtually any decor
- Torsion spring grille mounting – no tools necessary
- Metal grille kits (available separately)
- *Project Paks available

Model	CFM	Sones
676	110	4.0
684	80	2.5

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



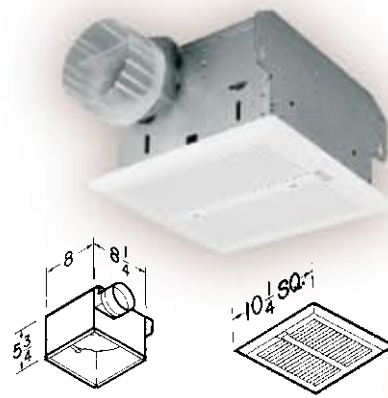
Ceiling/Wall Mount



- 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 Paks 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



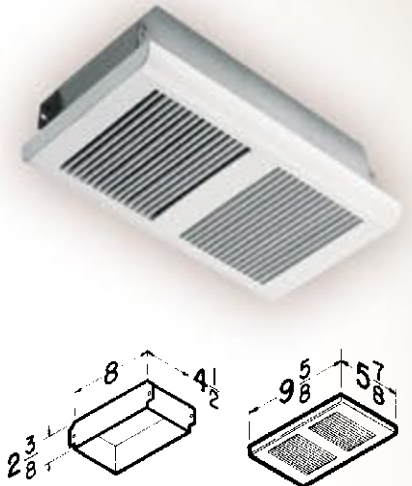
- Enclosed motors with long-life bearings for continuous operation
- Rugged metal fan grille for added durability, easier cleaning
- Grille torsion spring-mounted for easy installation
- Pre-wired outlet for plug-in motor plate
- AMCA licensed for both air and sound

Model	CFM	Sones
HD50	50	1.5
HD80	80	2.5

Broan Ventilation Fans

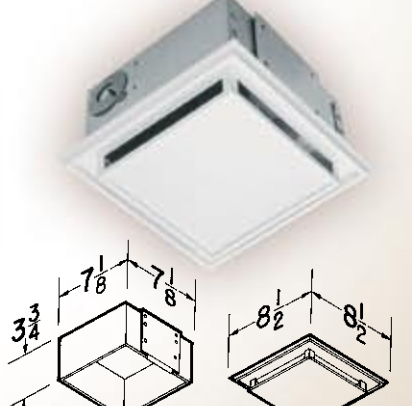
Duct-Free These easy-to-install solutions are ideal where air circulation is needed but ducting is impossible or impractical. Use them as a solution for half baths or rooms where humidity isn't a concern.

Model 686 Fan with Air Freshener



- Steel housing, polymeric grille and replaceable air freshener
- Fan draws through an air freshener cartridge (available everywhere)

Model 682



- Patented, fast snap-in metal housing installation
- Whisper-quiet fan circulates air past replaceable activated charcoal filter

Model	CFM	Sones	Notes
682	–	–	Duct Free Circulation
686	–	–	Duct Free Circulation



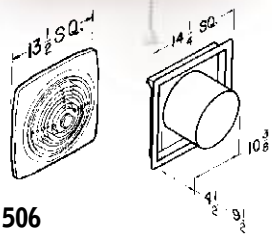


Powerful solutions
for problem rooms.

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.

	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

- 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



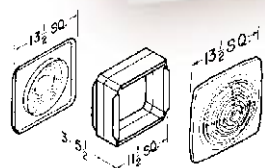
Model 506
• 10" Wall Fan



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

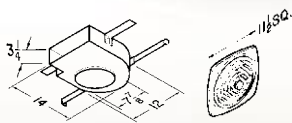
Model 511 (shown)
• 8" Room-to-Room fan

Wall/Ceiling Mount – Side Discharge

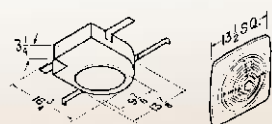
- Installs easily between ceiling joists or wall studs
- Built-in damper prevents backdrafts
- Fits 3-1/4" x 10" duct

Model 502 (shown)
• 10" Side Discharge

Model 503
• 8" Side Discharge

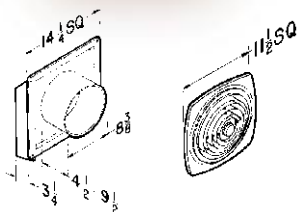


Model 503



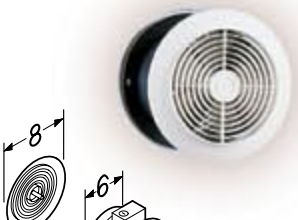
Model 502

- 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

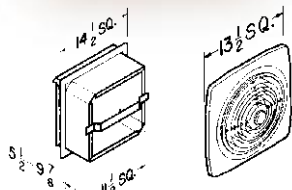
Model 509 and 509S
• 8" Through-Wall
• Model 509S features an integral ON/OFF rotary switch – no wall switch to wire



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

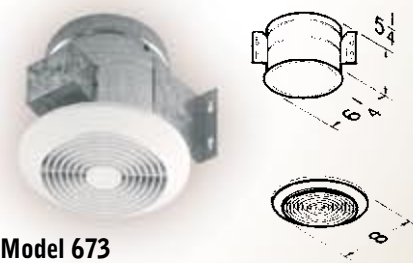
Through-Wall	CFM	Sones	Diameter	Sizing Specifications
12C Motordor®	370	8.0	10"	Fits 5-1/2" – 9-7/8" thick walls
508	270	6.0	10"	Fits 4-1/2" – 9-1/2" thick walls
509/509S	180	6.5	8"	Fits 4-1/2" – 9-1/2" thick walls 509S integral ON/OFF Rotary Switch
512	90	3.5	6"	Fits up to 5-1/8" thick walls
512M	70	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

- 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

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.

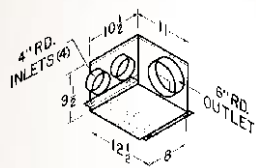
Multi- and Single-port In-Line Ventilators Features

- 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

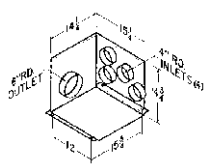
Model MP100, MP140, MP200



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.

Model MP280



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

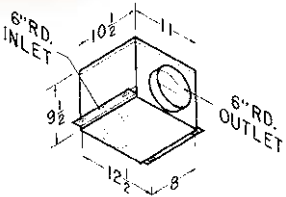


- Model SP100**

 - 110 CFM 1.0 Sones
- Model SP140**

 - 150 CFM 1.5 Sones
- Model SP200**

 - 210 CFM 2.0 Sones



Room Inlets

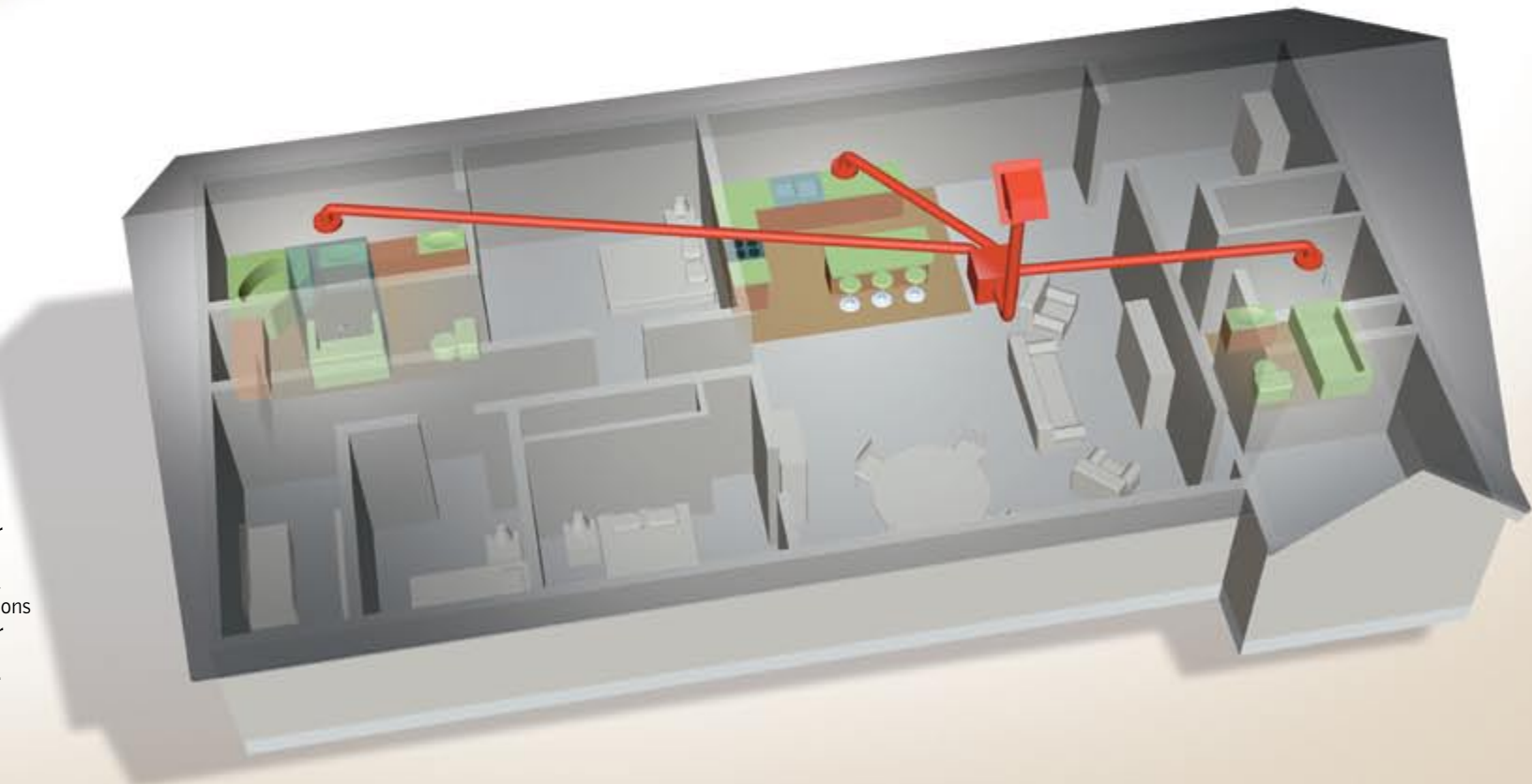
- Models available for 6" (DF6) or 4" (DF4) round duct
- Install in ceiling or wall
- Paint to match room décor

Room Inlets Model DF4 and DF6



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.





Incredibly reliable. Remarkably quiet.

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.

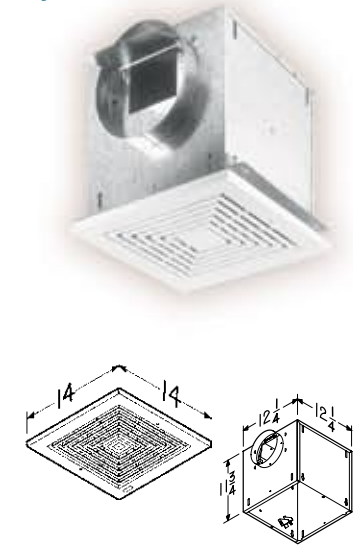
Broan High Capacity Fan Features

- 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

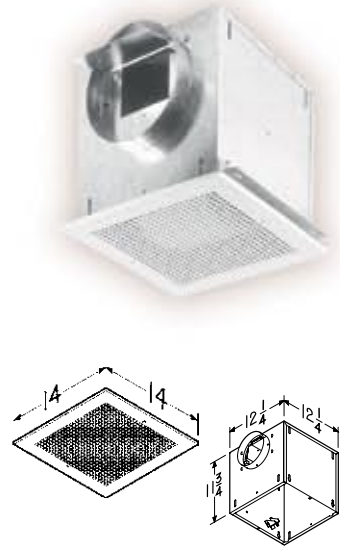
- 6" round duct connector
- Single, impact-resistant centrifugal blower wheel housing
- Duct horizontally or vertically, or in-line with a separate adapter
- Ceiling mount models available in 240V (add EX to model number) and 277V (add C to model number)
- Low profile, white polymeric or painted white 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 47

Polymeric Grille



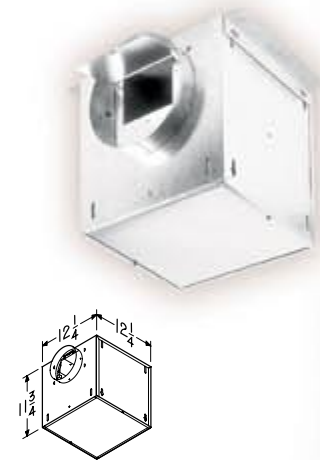
- Model L100**
- 120V, 1.1 amps
 - White polymeric grille
- Model L150**
- 120V, 1.3 amps
 - White polymeric grille

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
 - White polymeric grille
- Model L150L**
- 120V, 1.3 amps
 - White polymeric 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

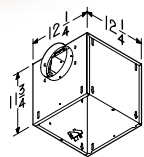
Sones and CFM listed for ceiling mount models are for horizontal ducting at .125" static pressure. For In-line models, performance listed is for straight-thru ducting at .125" static pressure. For complete Sones and CFM at other static pressures, see our web site at www.Broan.com.



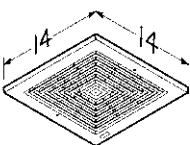
200/250/300 CFM High Capacity Fan Features

- 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
- Ceiling mount models available in 240V (add EX to model number) and 277V (add C to model number)
 - 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)

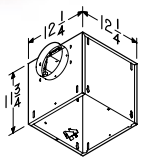
Polymeric Grille



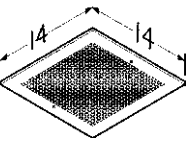
- Model L200** (shown)
- 120V, 1.8 amps
- Model L250**
- 120V, 2.1 amps
- Model L300**
- 120V, 2.6 amps



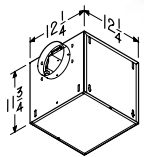
Metal Grille



- 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

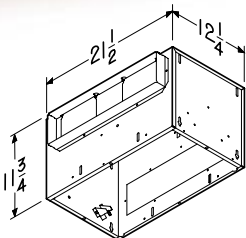
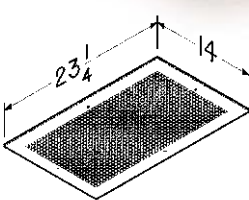
Sones and CFM listed for ceiling mount models are for horizontal ducting at .125" static pressure. For In-line models, performance listed is for straight-thru ducting at .125" static pressure. For complete Sones and CFM at other static pressures, see our web site at www.Broan.com.



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
- Ceiling mount models available in 240V (add EX to model number) and 277V (add C to model number)
 - 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

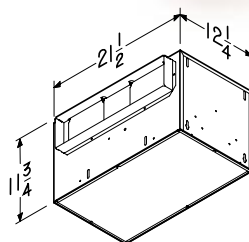
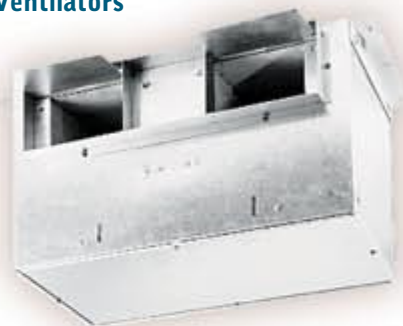


- Model L400** (shown)
- 120V, 1.4 amps
- Model L400K**
- Suitable for kitchen use
 - Two metal centrifugal blower wheels
 - Order Aluminum Filter LAF2
- Model L500**
- 120V, 2.2 amps
- Model L500K**
- Two metal centrifugal blower wheels
 - 120V, 2.2 amps
 - Order Aluminum Filter LAF2
- Model L700**
- 120V, 2.9 amps

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.

In-Line Ventilators

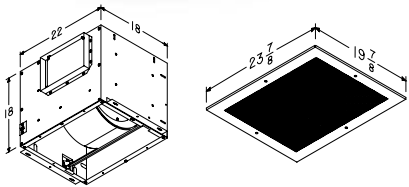


- Model L400L** (shown)
- In-line model has removable access panel and no insulation
 - 120V, 1.4 amps
- Model L500L**
- In-line model has removable access panel and no insulation
 - 120V, 2.2 amps
- Model L700L**
- Removable access panel – no insulation
 - 120V, 2.9 amps



900 and 1500 CFM Fans

Polymeric 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
- Ceiling mount models available in 240V (add EX to model number) and 277V (add C to model number)
- Use Broan Electronic Variable Speed Control to adjust blower speed and sound level (available separately)

Model L900 (shown)

- 120V, 3.0 amps

Model L1500

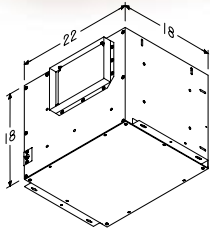
- 120V, 5.0 amps

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
L3500EXL	3452	14.5	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.



In-Line Ventilators



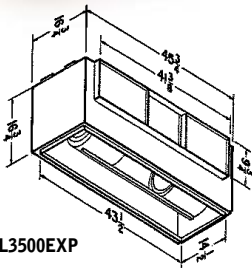
Model L900L

- Removable access panel – no insulation
- 120V, 3.0 amps

Model L1500L

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

2000 and 3500 CFM Fans



Model L3500EXP

- Shipped as in-line – optional metal grille and damper kit
- 20 gauge galvanized steel housing
- Metal centrifugal blower wheels (shown with optional grille and damper kit)

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)

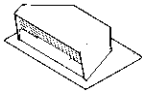
Model L3500EXL

- 43-1/2"L x 14-1/2"W x 16-3/4"H
- Fits 9-3/4" x 41-3/8" duct
- 240V, 5.4 amps
- Optional metal grille (Model G103) and damper kit (Model D101)

Roof Caps

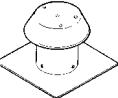
Model 437

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



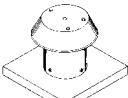
Model 611

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



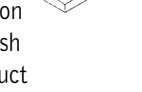
Model 611CM

- 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

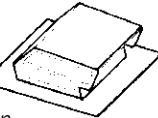


Model 612CM

- 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

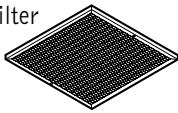
Model 644

- Same as Model 634, except aluminum natural finish

Grease Filters

Models LAF1 & LAF2

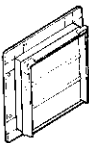
- Aluminum mesh filter traps grease and protects motor
- Dishwasher safe
- LAF1 (12" x 12") for L100/150/200/250/300 Series
- LAF1 for use with metal grilles
- LAF2 (12" x 21-1/4") for L400/500 Series



Wall Caps

Model 441

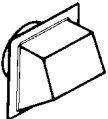
- For 10" round duct
- Steel with aluminum louvers



Wall Caps

Model 613

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

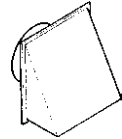


Model 641

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

Model 643

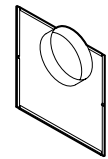
- For 8" round duct
- Built-in backdraft damper and bird screen
- Aluminum natural finish



In-line Adapters

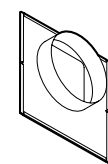
Model 961L

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



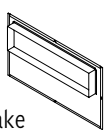
Model 981L

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



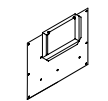
Model 982L

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



Model 983L

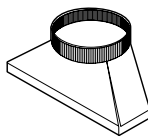
- For L900/L1500 Series
- Galvanized steel
- 8" x 12" duct intake



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)

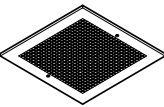
Model V104

- For Models L2000L/L3500EXL
- 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.

Common 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

Standard Models

- 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 Paks
- HD models feature a heavy-duty motor

Model	CFM	Sones
80RDF	80	2.5
110RDF	110	4.0
HD50RDF	50	1.5
HD80RDF	80	2.5

RDH

Housing/radiation damper only, used with all finish paks above



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.

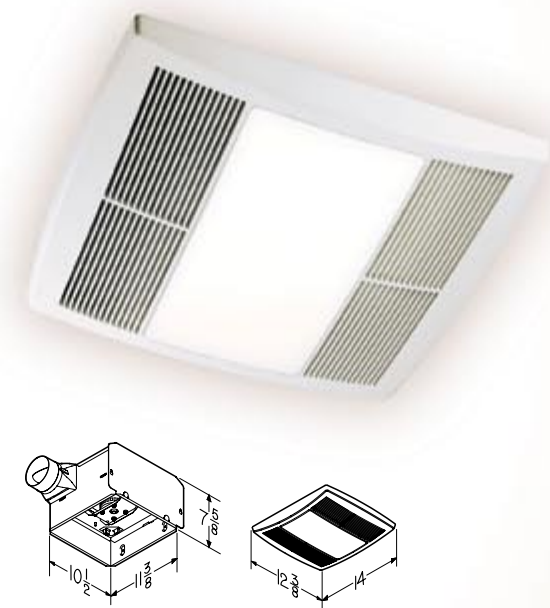
QTXE, QTRE and QTR Fan/Light Features

- 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 42 watt fluorescent bulb included with QTXE and QTRE models
- 100 watt lighting from an incandescent bulb on QTR models
 - 4 watt nightlight on all models
 - UL Listed for use over bathtubs or showers when connected to a GFCI protected branch circuit
 - HVI Certified
 - Motor engineered for continuous operation
 - Designed for easy installation


QTXE Models



QTRE and QTR Models

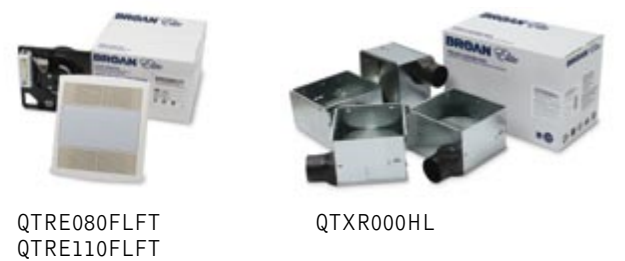


Model	CFM	Sones	Light/ nightlight	Energy Star	Duct
QTXE080FLT	80	0.3	42W / 4W	Yes	6"▲
QTXE110FLT	110	0.9	42W / 4W	Yes	6"▲
QTXE150FLT	150	1.4	42W / 4W	Yes	6"▲
QTRE080FLT ¹	80	0.8	42W / 4W	Yes	4"
QTRE110FLT ¹	110	1.3	42W / 4W	Yes	4"
QTR080L	80	1.0	100W / 4W	—	4"
QTR110L	110	1.5	100W / 4W	—	4"

 Energy Star fans use 65% less energy, on average, than standard models and may qualify for local utility rebates.
▲ See page 50 for 6" ducting (DT6W) product specifications.
¹ HVI recertification in progress.
"T" models are Title 24-compliant.

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:	QTRE080FLT	QTRE080FLT
	QTRE110FLT	QTRE110FLT



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 compliments your room with beautifully styled glass globe lighting. These fan/lights are available in five, corrosion-resistant decorator finishes: oil-rubbed bronze, antique crackle nutmeg, pewter, satin nickel, and white.

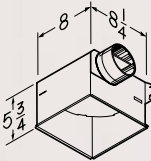
Decorative Fan/Light Fixture Features

- 70 or 80 CFM
 - 3.5 or 2.5 Sones
 - Corrosion-resistant finishes
 - Glass globes
 - Use two 60-watt incandescent bulbs (not included)
 - Plug-in lighting fixture and permanently lubricated motor
- Polymeric blower wheel
 - Sturdy, keyholed mounting brackets for quick, accurate installation
 - Tapered, polymeric 4" round duct fitting for easy, positive duct connection and no metallic clatter
 - Type IC

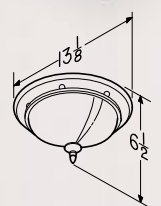
Model 754RB



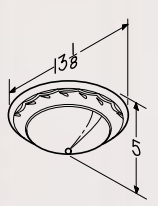
Model 754SN



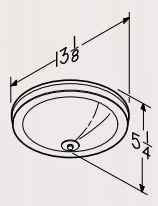
Model 754RB, 754SN



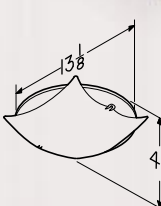
Model 755



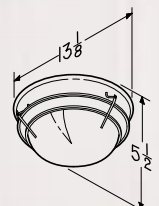
Model 756



Model 758



Model 757PT, 757SN



Model	CFM	Sones	Lighting	Finish
754RB	70	3.5	2-60W Candelabra	Oil-rubbed Bronze
754SN	70	3.5	2-60W Candelabra	Satin Nickel



Model 755



Model 757PT



Model 756



Model 757SN



Model 758



Model	CFM	Sones	Lighting	Finish
755	70	3.5	2-60W Candelabra	Antique Nutmeg
756	80	2.5	2-60W Candelabra	White
757PT	80	2.5	2-60W Candelabra	Pewter
757SN	80	2.5	2-60W Candelabra	Satin Nickel
758	70	3.5	2-60W Candelabra	White



Broan Ventilation Fan/Lights – Decorative

A beautiful balance of elegance and performance. Yes, it is a bath fan, but it’s also a beautiful lighting fixture—an ideal combination of form and function. Available in four attractive finishes, there’s a style to complement the most sophisticated decorating tastes. And with 120 watts of lighting there’s ample light for any space.

741 and 742 Decorative Glass Light Fixture/Fans Features

- 70 CFM
 - 3.5 Sone or quieter 2.0 Sone models (742 series)
 - Corrosion-resistant finishes
 - Frosted melon glass globe
 - Vent openings in base for exhaust fan
 - 741 & 742 models use two standard 60-watt incandescent bulbs (not included)
- Plug-in lighting fixture and permanently lubricated motor
 - Polymeric blower wheel
 - Sturdy, keyholed mounting brackets for quick, accurate installation
 - Tapered, polymeric 4" round duct fitting for easy, positive duct connection and no metallic clatter
 - Type IC

Model 741BR



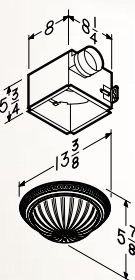
Model 742RB



Model 741SN & 742SN



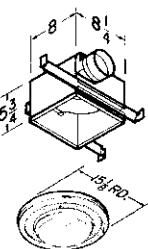
Model 741WH & 742WH



Model 721



- Solid oak frame with multi-layer moisture protection to resist high-humidity environments
- Polished brass-finished grille
- Bright 100-watt light capacity combines with a 7-watt nightlight for added security and safety (bulbs not included)
- Round design eliminates squaring with bathroom walls



Model	CFM	Sones	Lighting	Finish
741BR	70	3.5	*120W Incandescent	Polished Brass
741SN	70	3.5	*120W Incandescent	Satin Nickel
741WH	70	3.5	*120W Incandescent	Gloss White
742SN	70	2.0	*120W Incandescent	Satin Nickel
742RB	70	2.0	*120W Incandescent	Rubbed Bronze
742WH	70	2.0	*120W Incandescent	Gloss White
721	100	3.5	100W, 7W nightlight	Polished Brass/Oak

*Two (2) 60 watt bulbs.

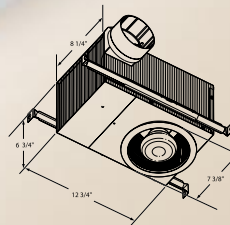
Broan Ventilation Fan/Lights – Decorative

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

Recessed Fan Light

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

Model 744



Model	CFM	Sones	Lighting
744	70	1.5	75 Watt
744FL*	70	1.5	14 Watt Fluor.

*This model is Title 24-compliant.

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

SensAire® Series delivers “hands-free” bath fan operation that detects motion, humidity or both, so it’s ideal for problem areas in residential, institutional or light-commercial applications. Our exclusive sensing capability is a perfect solution for the physically challenged, where hands-free lighting and ventilation control is essential. Eliminating the need for a wall switch makes SensAire® a practical solution for public restroom lighting and ventilation.

Motion Sensing turns on the fan/light (or both) when you enter the room. Adjust automatic shut-off time from 5 to 60 minutes after motion stops, as well as the sensor’s “field of view” to your application.

Humidity Sensing detects rapid increases in moisture levels and turns the fan on and off automatically to help prevent cosmetic and structural problems associated with excess moisture. An automated solution to fighting excess humidity and mold.

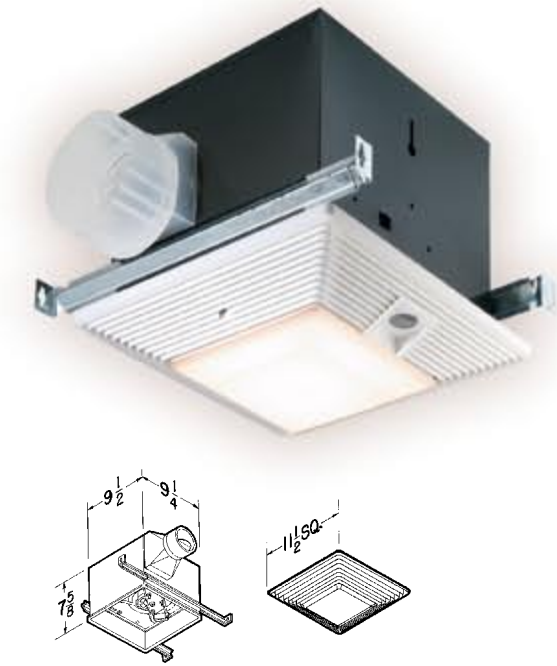
Features common to all Humidity Sensing products

- Humidity sensing detects rapid rise in humidity over time, not just absolute value
 - Humidity is sensed at the ceiling where it is most prevalent
- Auto shut-off time is adjustable from 5 to 60 minutes
 - 100-watt bulb and a 7-watt nightlight for safety and security (bulbs not included)
 - 4" round duct connector
- UL Listed for use over bathtubs or showers when connected to a GFCI protected branch circuit
 - Type IC

Model HS110LU



Model MS120L



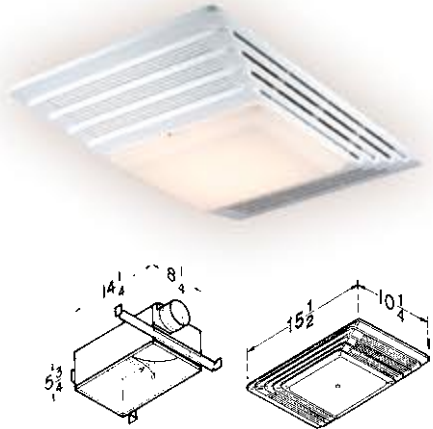
Fan Model	CFM	Sones	Humidity Sensing	Motion Sensing	Ultra Silent™
HS110LU	110	1.5	Yes	—	Yes
HS120L	120	3.5	Yes	—	—
MS120L	120	3.5	—	Yes	—
MHS120L	120	3.5	Yes	Yes	—



Fan/Light Combination Unit Features

- Classic white polymeric grilles
 - Plug-in, permanently lubricated motor
 - Efficient polymeric fan impeller
 - Mounting ears offer sturdy, quick installation
- 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
- Shatter resistant lighting lenses
 - All models available in Project Paks
 - Recommended with optional two-function wall control
 - Type IC

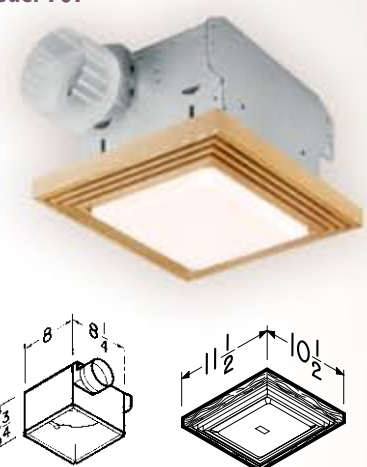
Model 657 & 696



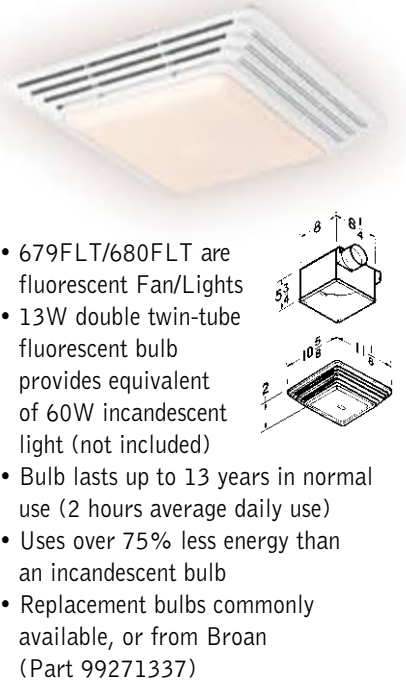
Model 750 & 751



Model 707

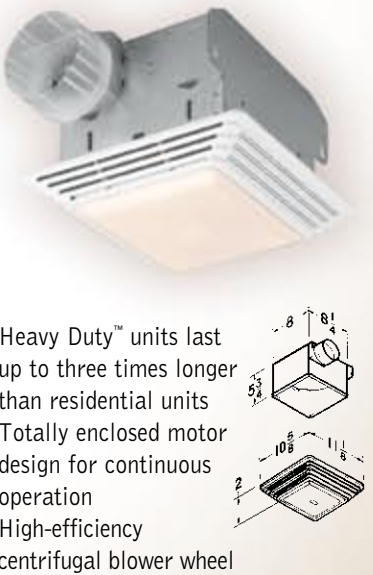


Model 678, 679, 679FLT, 680 & 680FLT



- 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
- Totally 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	
679FLT	70	3.5	13 W	Fluorescent, double twin-tube
680	100	4.0	100 W	
680FLT	100	4.0	13 W	Fluorescent, double twin-tube
657	70	4.0	100 W	
696	100	4.5	100 W	
707	70	3.5	100 W	Wood grain grille finish
750	100	3.5	100 W	White finish with 7W nightlight
751	100	3.5	100 W	White finish, no nightlight
HD50L	50	1.5	100 W	Heavy-duty motor
HD80L	80	2.5	100 W	Heavy-duty motor



“T” models are Title 24-compliant.

Comfort and convenience combined.

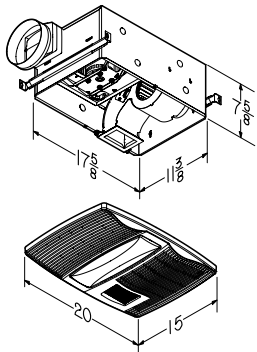
Broan Ultra Silent™ Series Heater/Fan/Lights. You could wait 15 minutes for your central heating system to take the chill from your bathroom, all while it heats every other room in the house. Or, you could select instant heat when it's needed with the QTX line. Powerful heating, light and ventilation 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
- Bright 120 watt lighting (two 60W incandescent bulbs)
- 7 watt nightlight capacity
- Fan motor is engineered for continuous operation
- HVI Certified
- Type IC
- Requires a dedicated 20 amp circuit

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.



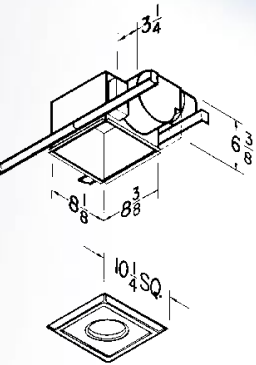
Model	CFM	Sones	Bath Sq. Ft.	Lighting/ Nightlight	Heater Watts
QTX110HL	110	0.9	100	120W / 7W	1500

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

Heater/Fan Ventilating Features

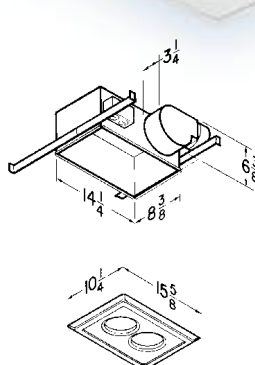
- Quiet, highly efficient polymeric blower wheels
 - Dampers prevent backdrafts and eliminate mechanical noise
 - Polymeric 4" round duct connectors with tapered sleeves simplify ducting
 - Operate fan and heater bulbs independently or together
- Attractive white polymeric grilles
 - Compact steel housings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

Model 162



- One-Bulb Heater/Fan
- Choose two-function control (available separately)
- For one-bulb heater only (Model 161, see page 43)

Model 164



- Two-Bulb Heater/Fan
- Choose two-function control (available separately)
- For two-bulb heater only (Model 163, see page 43)

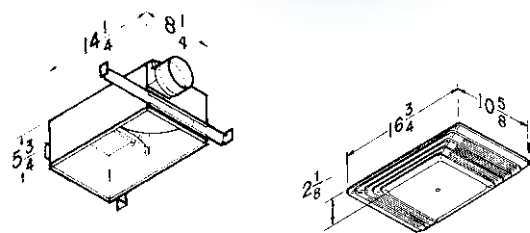
Model	CFM	Sones	Heater
162	70	3.5	One: 250-watt BR40 infrared bulb
164	70	3.5	Two: 250-watt BR40 infrared bulbs



Heaters & Heater Fans

- Designer white polymeric grilles complement virtually any décor
 - Choose two- or three-function wall controls as appropriate (available separately)
- Fan, light and heater function independently or together
 - Type IC

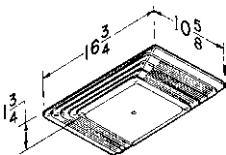
Model 655, 659, 695, 656



- Model 655**
- Heater/Fan/Light
 - 20-amp circuit required
- Model 659**
- Heater/Fan/Light
 - 15-amp circuit required
- Model 695**
- Heater/Fan/Light
 - 20-amp circuit required
- Model 656**
- Heater/Light ONLY
 - 15-amp circuit acceptable

Model	CFM	Sones	Lighting	Finish	Heater
655	70	4.0	100W	White Polymeric	1300W
656	No Fan	—	100W	White Polymeric	1300W
658	70	4.0	No Light	White Polymeric	1300W
659	50	2.5	100W	White Polymeric	1300W
695	100	4.5	100W	White Polymeric	1300W

Model 658



- Heater/Fan
- 15-amp circuit acceptable





Turn up the heat, exactly where you want it,
and right when you need it.

Why spot heating makes sense in your home.

Think about it – you hastily get ready every morning, head for work, the office, or school, just when the central heating system has finished warming the entire house. It's about as inefficient as it gets. Spot heating solves that problem. No longer will you heat an entire home when you simply need a bit of comfort in the bath or dressing room.

100% Efficient Heating Element.

Even the most efficient central heating systems send heat up the chimney. But Broan spot heaters deliver every bit of energy back into your home. There's no external

venting, so the electricity you convert to heat is delivered directly where you want it.

Simple, Safe and Efficient.

Permanently lubricated motors are quiet and require no maintenance. They can be operated by a built-in adjustable thermostat or an optional wall-mount controller. Heaters may be converted in the field to a choice of wattages/voltages. And for safety, heaters are thermal overload protected and the complete heater assembly conveniently removes from the housing for cleaning.





Heat that’s ready when you’re ready. A Broan Heater is the perfect solution for bathrooms or other areas where you want added warmth on demand. These versatile heaters are factory wired at 500W, 750W, 1000W, 1500W or 2000W, and can be easily converted to other wattages and voltages. With that kind of installation flexibility, you can count on Broan Heaters to deliver precisely what you need for your home.

Model 165F, 167F, 170, 174, 178



Model 165F

- Factory wired for 500W at 240V AC – easily converts to 500W at 120V AC.
- Available in *Project Paks only

Model 167F

- Factory wired for 750W at 240V AC – easily converts to 1500W at 240V AC.
- Available in *Project Paks only

Model 170

- Factory wired for 1000W at 120V AC – easily converts to 500W at 120V AC or 1000W at 240V AC

Model 174

- Factory wired for 1500W at 120 V AC – easily converts to 750W at 120V AC or 1500W at 240V AC

Model 178

- Factory wired for 2000W at 240 V AC – easily converts to 1000W at 240V AC

Convenient. Rugged. Reliable.

Our sturdy 24-gauge steel housing mounts easily between studs in any standard wall, or can be surface mounted where needed. A housing mask prevents construction damage to roughed-in units, and protects the housing and its element. And a snap-out wiring cover allows wiring away from tight corners.

***Project Paks.** Heater housings can be ordered in sets of four (Model 171H) for multi-unit installations. Individual grille and heating element sets can be ordered separately, nearer project completion. Models with the suffix “F” do not have thermostats. If a built-in thermostat is needed, order Broan Model 83 Thermostat Kit. Or, special order an “F” Pak with a built-in thermostat. Just add a “T” after the model number (i.e. Model 174FT).

Surface Mount Kit – Model 84

- Includes all hardware for surface mounting of Broan Comfort-Flo heaters
- White enameled, steel enclosure matches grille color
- Measure 12-3/8"W x 9-5/8"H x 3-7/8"D

High capacity wall heaters. When you need more power for high heat loss areas, Broan’s large capacity wall heaters are an ideal solution for lobbies, entrance ways, vestibules or any area requiring high wattage heating. Our low-profile models feature an energy-saving, built-in fan-delay switch allowing the heating element to warm up before fan starts. To ensure proper shutdown, and maximize heat delivery, the fan remains on as the element cools down.

Model 192, 194, 198



Wall Heater Features

- Steel-sheathed, plate-finned, heavy-duty enclosed heating element
- Adjustable, built-in, heavy-duty, disc-type thermostat
- Manual reset overload protection
- Internal fan delay prevents cold air delivery

Model 192

- Factory wired for 2000W at 240V AC – easily converts to half-wattage

Model 194

- Factory wired for 3000W at 240V AC – easily converts to half-wattage

Model 198

- Factory wired for 4000W at 240V AC – easily converts to half-wattage

Surface Mounting Kit

Model 85

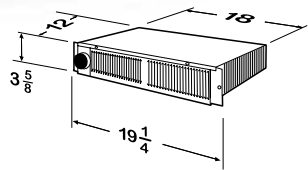
- Includes all hardware for surface mounting of Broan High-Capacity heaters
- Color coordinated to match heater grille
- Heavy-duty 22-gauge steel
- Measures 17-3/4"W x 21-5/8"H x 3-3/4"D

Model	Watts	Volts	Amps
192	750W–1500W	208	3.61/7.21
	1000W–2000W	240	4.17/8.33
194	1125W–2250W	208	5.41/10.82
	1500W–3000W	240	6.25/12.5
198	1500W–3000W	208	7.21/14.42
	2000W–4000W	240	8.33/16.67





Trimline Kickspace Heaters. If you don't believe you have room for auxiliary heat, you haven't seen trimline kickspace heaters. Slim and compact, they tuck under cabinet kickspaces, vanity bases, stairways or any place where space is limited. Consider them for light-commercial applications such as ticket/toll booths and checkout counters where ducting isn't possible.



Model	Watts	Volts	Amps
112	1500	240	12.5
	750	240	6.25
114	1125	208	5.41
	1500	240	6.25

- Model 112**
- With built-in thermostat
 - Steel-sheathed, plate-finned, heavy-duty heating element
 - Factory wired 1500W at 240V AC, converts to 750W or 1500W at 120V
- Model 114**
- Same as 112 without built-in thermostat
 - Steel-sheathed, plate-finned, heavy-duty heating element
 - Factory wired 1500W at 240V AC, converts to 750W or 1500W at 120V
 - Use Model 90 accessory built-in thermostat if desired

Register Heaters. These powerful heaters are factory wired at 1000W, 1500W and 2000W and can be easily converted to half-wattage for added versatility. The low wall mounting and register-look grille, in neutral white finish make them as inconspicuous as they are efficient. What's more, they do not restrict furniture placement the way baseboard heaters can.



- Model 120**
- Factory wired for 1000W at 120V AC – easily converts to 500W at 120V, or 1000W at 240V AC
- Model 124**
- Factory wired for 1500W at 120V AC – easily converts to 750W at 120V, or 1500W at 240V AC
- Model 128**
- Factory wired for 2000W at 240V AC – easily converts to 1000W at 240V AC

Model	Watts	Volts	Amps
120	500–1000	120	4.16/8.33
	750	208	3.61
	1000	240	4.16
124	750–1500	120	6.25/12.5
	1125	208	5.41
	1500	240	6.25
128	750–1500	208	3.61/7.21
	1000–2000	240	4.16/8.33

- Line-Voltage Wall Thermostat Model 86W**
- Single-pole, 120V/240V AC, 22 amps
 - 50° to 85° temperature range
 - Snap-action, bimetallic sensing strip

Broan Big Heat® Portable Heater Model 6200

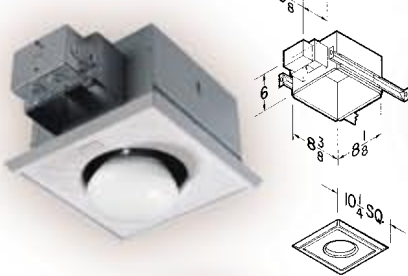


- Lightweight with easy-carry handle
- Only 4-3/4"W x 5"H x 6"D; six-foot cord for 120V, 60 Hz AC household outlet
- Two fan-forced heat settings (or Fan Only for summer cooling):
 - 1500-watt setting is the maximum allowable for 120-volt heaters
 - 1200-watt setting maintains warmth using less electricity
 - One control for heat setting, another for automatic thermostat setting
- 24-piece merchandiser available, model 6200MD

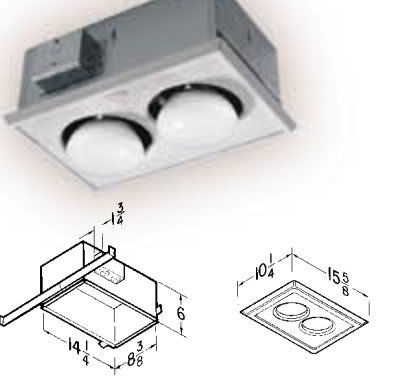
- Safety features:**
- Narrow grille openings
 - Overheat protection switch
 - Low center of gravity resists tipping
 - Automatic tip-over shut-off switch

Ceiling heaters. Fan-forced or infrared bulb heat, and convenient combinations. The reliable design and quality construction is all Broan. Either way, you get energy-saving warmth in a compact, easy to install unit.

Recessed Infrared Model 161



Model 163



- One and Two-Bulb Heaters**
- 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
 - Overall housing dimensions: 6-3/8" x 12-1/4" x 8-1/8"
 - Model 161, UL Listed for 75°C wiring (retrofits)
 - Not Type IC

- Model 163**
- Two-Bulb Heater
 - Overall housing dimensions: 6-3/8" x 8-3/8" x 14-1/4"
 - Type IC

Surface-mount Fan Forced Air Model 154 & 157



- Wire Element Heater**
- Chrome alloy, wire element for instant heat
 - Low-profile housing with satin-finish aluminum grille extends only 2-3/4" from ceiling
 - Built-in fan disperses heat evenly
 - Automatic overheat protection
 - Permanently lubricated motor
 - Mounts easily to any standard 3-1/2" or 4" round, or 4" octagonal ceiling electrical box
 - Surface-Mount Ceiling Heaters for quick, easy installation

- Radiant Heater – Model 157**
- Exclusive enclosed, sheathed, long-life element diffuses heat throughout the room
 - Low-profile housing with satin-finish aluminum grille extends only 2-3/4" from ceiling
 - Built-in fan disperses heat evenly
 - Automatic overheat protection
 - Permanently lubricated motor
 - Mounts easily to any standard 3-1/2" or 4" round, or 4" octagonal ceiling electrical box
 - Surface-Mount Ceiling Heaters for quick, easy installation

Model	Watts	Volts	Amps
6200	1200–1500	120	10.0/12.5
154	1250	120	10.7
157	1250	120	10.7
161	250	120	2.1
163	500	120	4.3

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.

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. For example, 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.



Determining the CFM requirements for your attic

Gable Mount			Roof Mount		
Roof Pitch	Model 353	Model 35316	Model 350	Model 355/358	Model 356
8/12 or Less	Light	900/1140 CFM**	1050 CFM	1200 CFM	1600 CFM
	Roof	1285/1630 sq. ft.	1500 sq. ft.	1715 sq. ft.	2285 sq. ft.
	Attic	1658/2285 sq. ft.	Attic	Attic	Attic
9/12	Dark	1125/1425 sq. ft.	1304 sq. ft.	1495 sq. ft.	1985 sq. ft.
	Roof	1442/1985 sq. ft.	Attic	Attic	Attic
	Attic	Attic	Attic	Attic	Attic
12/12	Light	1200/1520 sq. ft.	1399 sq. ft.	1600 sq. ft.	2135 sq. ft.
	Roof	1549/2135 sq. ft.	Attic	Attic	Attic
	Attic	Attic	Attic	Attic	Attic
15/12	Dark	045/1325 sq. ft.	1219 sq. ft.	1390 sq. ft.	1855 sq. ft.
	Roof	1347/1855 sq. ft.	Attic	Attic	Attic
	Attic	Attic	Attic	Attic	Attic
12/12	Light	675/855 sq. ft.	790 sq. ft.	900 sq. ft.	1200 sq. ft.
	Roof	870/1200 sq. ft.	Attic	Attic	Attic
	Attic	Attic	Attic	Attic	Attic
15/12	Dark	590/750 sq. ft.	694 sq. ft.	790 sq. ft.	1055 sq. ft.
	Roof	757/1055 sq. ft.	Attic	Attic	Attic
	Attic	Attic	Attic	Attic	Attic
8/12	Light	420/530 sq. ft.	508 sq. ft.	575 sq. ft.	770 sq. ft.
	Roof	559/770 sq. ft.	Attic	Attic	Attic
	Attic	Attic	Attic	Attic	Attic
9/12	Dark	375/475 sq. ft.	430 sq. ft.	505 sq. ft.	670 sq. ft.
	Roof	486/670 sq. ft.	Attic	Attic	Attic
	Attic	Attic	Attic	Attic	Attic

* Exhaust capacity HVI certified @ .03" static pressure.
** Higher CFM w/Broan Model 433 shutter. Lower CFM w/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.

Powered Attic Ventilator Specifications

Gable Mount			Roof Mount		
	Model 353	Model 35316	Model 350	Model 355/358	Model 356
Attic Size	Up to 1630 sq. ft.	Up to 2285 sq. ft.	Up to 1500 sq. ft.	Up to 1715 sq. ft.	Up to 2285 sq. ft.
Amps	3.4	3.9	3.6	4.3	8.0
CFM*	1140/900**	1600/1160	1050	1200	1600
RPM	950	1420	1000	1050	1500
Height	*8"	*8"	8"	8"	8"
Dome Dia.	—	—	23-1/4"	23-1/4"	23-1/4"

*Not including shutter accessory.



Whole-house Ventilators

Even on the hottest summer days, a beautiful, cool evening is almost always to be found. Bringing the cool air in is the challenge. Consider a Whole-house Ventilator from Broan.

These units help eliminate super-heated attic air while drawing air up through the house, creating a comforting breeze. This helps keep non-air-conditioned homes cooler and reduces energy costs in air-conditioned houses. And Broan’s Whole-house Ventilators are specially designed for quiet, reliable operation.

- Unique, sound-absorbing Acoustek™ shroud – material is fire retardant and moisture resistant
- Blade designed to move more air with less power
- Permanently lubricated motor
- Flush-mount shutter provides a tight seal when fan is not in use
- Easy to install – no joists to cut

HVI Certified at 0.1" Static Pressure Direct-Drive Ventilators

- Two-speed control – pull-chain operation
- Heavy-duty, direct drive ball-bearing motor – no belts to wear out or replace
- Fan, pull-chain switch and shutter all included in one carton

Belt-Drive Ventilator

- Single-speed motor
- Adaptable to all attic configurations (framing required with 16" on center construction)

1. Multiply the square footage of the house by 3 to determine cubic feet per minute (CFM) of air flow needed for the house. Example: 1700 sq. ft. x 3 = 5100 CFM.
2. Divide the CFM by 750 to determine the amount of attic exhaust area required. Example: 5100 CFM ÷ 750 = 6.8 sq. ft. of attic exhaust required.

Broan Whole-house Ventilators require adequate attic exhaust to operate efficiently. The following formula will help you determine how much attic exhaust area is needed:



Whole-house Ventilators

Description/Drive	Model	CFM	Volts	Min. Attic Exhaust Req.	Amps	Blade RPM	Blades	Ceiling Opening	Max. Sq. Ft. of Home†
20" Direct	2220	3300	120	4.5 sq. ft.	4.5	1060/650	3	23-1/2" x 23-1/2"	1100
24" Direct	2224	3600	120	5.0 sq. ft.	4.5	825/525	4	23-1/2" x 26"	1200
30" Direct	2230	5100	120	7.0 sq. ft.	5.0	700/400	4	30" x 32"	1700
36" Belt	2236	6850	120	9.0 sq. ft.	5.5	440	4	43-1/2" x 32"	2300

†Maximum home square footage recommended for unit size.



Indicator Light Control
for UltraQuiet 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 available (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 available (P685WL, P685VL)



Electronic Variable-Speed Decorator 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



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



Broan Ventilation Fans – Wall Control Selection Guide

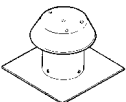
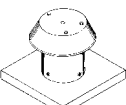
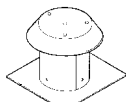
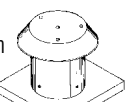
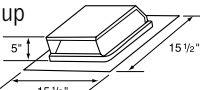
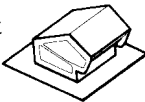


Model Number	57W 57V	59W 59V	61W 61V	62W 62V	63W 63V	64W 64V	65W 65V	66W 66V	67W 67V	68W 68V	69W	69WL 69VL	70W 70V	71V	72W 72V	75V	77DW 77DV	269WL 269VL	685WL 685VL	DH 100W	T24H
12C		•	•			•					•	•	•	•	•					•	•
161		•	•			•					•	•		•	•					•	•
162	•	•	•		•	•				•				•	•					•	•
163		•	•		•					•	•	•		•						•	•
164	•	•	•	•	•		•	•	•	•				•	•				•	•	•
350-355		•	•								•	•		•	•					•	•
356		•	•								•	•		•						•	
358		•	•								•	•		•	•					•	•
502-505	•	•	•			•					•	•	•	•	•					•	•
506 & 507	CHAIN OPERATED																				
508 & 509	•	•	•			•					•	•	•	•	•					•	•
509S		•	•			•								•						•	•
510 & 511		•	•			•							•	•						•	•
512 & 512M	•	•	•								•	•		•	•					•	•
655	•	•	•	•			•	•	•					•	•					•	•
656		•	•		•									•						•	•
657	•	•	•		•	•				•				•	•					•	•
658	•	•	•		•					•				•	•					•	•
659	•	•	•	•			•	•	•					•	•					•	•
670	•	•	•			•					•	•		•						•	•
671-676	•	•	•			•					•	•		•	•					•	•
678-680	•	•	•		•	•				•				•	•					•	•
679FLT-680FLT	•	•	•		•	•				•				•	•					•	•
682	•	•	•			•					•	•		•	•					•	•
684	•	•	•			•					•	•		•	•					•	•
686		•	•			•					•	•		•						•	•
688 & 689	•	•	•			•					•	•		•	•					•	•
695	•	•	•	•			•	•	•					•	•					•	•
696	•	•	•		•	•				•				•	•					•	•
707		•	•		•	•				•				•						•	•
721	•	•	•	•		•	•	•	•					•	•				•	•	•
741BR,WH	•	•	•		•	•				•				•	•					•	•
742SN,RB,WH	•	•	•		•	•				•				•	•					•	•





Note: Speed controls intended to control fans only; not lights.

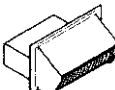


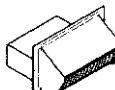


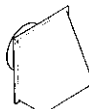

Broan Ventilation Fans – Wall Control Selection Guide

Model Number	57W 57V	59W 59V	61W 61V	62W 62V	63W 63V	64W 64V	65W 65V	66W 66V	67W 67V	68W 68V	69W	69WL 69VL	70W 70V	71V	72W 72V	75V	77DW 77DV	269WL 269VL	685WL 685VL	DH 100W	T24H
750	•	•	•	•		•	•	•	•	•				•	•				•	•	•
751	•	•	•		•	•				•				•	•			•		•	•
754RB, SN	•	•	•		•	•				•				•	•					•	•
755	•	•	•		•	•				•				•	•					•	•
756	•	•	•		•	•				•				•	•					•	•
757PT, SN	•	•	•		•	•				•				•	•					•	•
758	•	•	•		•	•				•				•	•					•	•
2220 & 2224		•	•								•	•	•	•						•	•
2230 & 2236		•	•								•	•	•	•	•					•	•
HD50	•	•	•			•	•	•	•		•	•		•	•					•	•
HD50L	•	•	•		•	•				•				•	•			•		•	•
HD80	•	•	•			•					•	•		•	•					•	•
HD80L	•	•	•		•	•				•				•	•			•		•	•
HS90											•	•									
HS120L							•	•	•								•				
HS130											•	•									
L100 thru L700 Series	•	•	•			•					•	•	•	•	•					•	•
L900 Series		•	•			•					•	•	•	•	•					•	•
L1500 Series		•	•								•	•	•	•	•					•	
L2000L		•	•								•	•	•	•	•					•	•
L3500EXL		•	•								•	•	•	•		•					
MHS120L									•	•								•			
MP100, 140 and 200	•	•	•								•	•	•	•	•					•	•
MP140 & 200	•	•	•								•	•	•	•	•					•	•
MP280		•	•								•	•	•	•	•					•	•
MS90											•	•									
MS120L								•	•								•				
MS130											•	•									
QT Fans	•	•	•		•	•				•	•	•		•	•					•	•
QT Fan/Lights	•	•	•		•	•		•						•	•					•	•
QT Heater/ Fan/Light	•	•	•	•			•	•	•					•	•		•			•	•
SP100-200	•	•	•								•	•	•	•	•					•	•

Note: Speed controls intended to control fans only; not lights.
L Series ventilators listed above refer to 120V models, with the exception of L3500EXL which is 240V.

Roof Caps Model 611 Roof Cap <ul style="list-style-type: none">• For flat roof installation• Aluminum natural finish• For up to 8" round duct Model 611CM Roof Cap <ul style="list-style-type: none">• For curb mount installation• Other features same as Model 611 Model 612 Roof Cap <ul style="list-style-type: none">• For flat roof installation• Aluminum natural finish• For up to 12" round duct Model 612CM Roof Cap <ul style="list-style-type: none">• For curb mount installation• Other features same as Model 612 Model 634 Roof Cap <ul style="list-style-type: none">• 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 <ul style="list-style-type: none">• Same as Model 634 except for 6" round duct Model 636 Roof Cap <ul style="list-style-type: none">• For 3" or 4" round duct• Built-in backdraft damper and bird screen• Steel baked black enamel finish Model 636AL Roof Cap <ul style="list-style-type: none">• Same as Model 636, except aluminum natural finish Model 644 Roof Cap <ul style="list-style-type: none">• Same as Model 634, except for aluminum natural finish	     
Ducting Model 401 Duct <ul style="list-style-type: none">• 3-1/4" x 10" duct• 2' galvanized section Model 406 Round Duct <ul style="list-style-type: none">• 6" round duct• 2' galvanized section	 

Ducting Continued Model 407 Round Duct <ul style="list-style-type: none">• 7" round duct• 2' galvanized section Model 410 Round Duct <ul style="list-style-type: none">• 10" round duct• 2' galvanized section Models DT4C, DT6C Non-Insulated Flexible Duct <ul style="list-style-type: none">• 4" (DT4C) or 6" (DT6C) round• DT4C is a 4-pack• 25' standard length Models DT4W, DT6W Insulated Flexible Duct <ul style="list-style-type: none">• 4" (DT4W) or 6" (DT6W) round• 25' standard length	  
Transitions Model 411 Transition <ul style="list-style-type: none">• Converts 3-1/4" x 10" duct to 6" round duct Model 412 Transition <ul style="list-style-type: none">• Converts 3-1/4" x 10" duct to 7" round duct Model 413 Transition <ul style="list-style-type: none">• Converts 3-1/4" x 10" duct to 8" round duct Model 414 Transition <ul style="list-style-type: none">• Converts 8" round duct to 10" round duct Model 472 Transition <ul style="list-style-type: none">• Converts 10" round duct to 8" round duct• Includes damper Model 475 Transition <ul style="list-style-type: none">• Converts 6" round duct to 4" round duct• Available in 6 Pack (475B)	

Wall Caps Continued Model 639 Wall Cap <ul style="list-style-type: none">• For 3-1/4" x 10" duct• Spring-loaded backdraft damper• Built-in bird screen• Steel baked black enamel finish Model 641 Wall Cap <ul style="list-style-type: none">• For 6" round duct• Built-in backdraft damper and bird screen• Aluminum natural finish• Model 647 for 7" Round duct Model 647 Wall Cap <ul style="list-style-type: none">• For 7" round duct• Other features same as Model 641 Model 649 Wall Cap <ul style="list-style-type: none">• Same as Model 639, except aluminum natural finish Model 843BL <ul style="list-style-type: none">• For 6" round duct• Built-in backdraft damper and bird screen• Black finish Model 885BL Wall Cap <ul style="list-style-type: none">• 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 <ul style="list-style-type: none">• 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 <ul style="list-style-type: none">• For 8" round duct• Aluminum natural finish Model 645 Louvered <ul style="list-style-type: none">• Wall Cap for 3" Round Duct• White polymeric• 6 to a carton Model 646 Louvered Wall Cap for 6" Round Duct <ul style="list-style-type: none">• Single pack• White polymeric	       
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Ducting Kits Model RVK1A Flexible Roof Ducting Kit <ul style="list-style-type: none">• Includes Model 636 Roof Cap• 4" diameter metal duct connector• 2 duct clamps• 4" to 3" reducer• 8' of 4" flexible aluminum ducting Model WVK1A Flexible Wall Ducting Kit <ul style="list-style-type: none">• Includes white polymeric louvered 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 <ul style="list-style-type: none">• Fits Utility Ventilator Models 503, 503MG, 505, 505MG, 509, 509MG, 509S and 509SMG Model 99010271 Aluminum Filter <ul style="list-style-type: none">• Fits Utility Ventilator Models 12C, 12CMG, 502, 502MG, 504, 504MG, 508, 508MG, 510, 510MG, 511 and 511MG	Elbows Model 415 Adjustable Elbow <ul style="list-style-type: none">• Fits 7" round duct Model 418 Adjustable Elbow <ul style="list-style-type: none">• Fits 10" round duct Model 419 Adjustable Elbow <ul style="list-style-type: none">• Fits 6" round duct Model 428 Vertical Elbow <ul style="list-style-type: none">• Fits 3-1/4" x 10" duct Model 429 Horizontal Elbow <ul style="list-style-type: none">• Fits 3-1/4" x 10" duct Model 430 Short Eave Elbow <ul style="list-style-type: none">• 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 <ul style="list-style-type: none">• For 3-1/4" x 10" duct• Includes backdraft damper and grille• Only recommended for fans with more than 160 CFM
Metal Grille Kit Model 97011308 <ul style="list-style-type: none">• Steel baked white enamel finish• Fits fan Models 670, 671, 676, 684, 688 and 689• Grille size is 10-1/4" square		

Broan Ventilation Fans – Specifications

Bath Fans	Page	CFM	Sones HVI- certified	Baths up to () Sq Ft	Energy Star	Duct Size"	Housing Dimensions			Grille Dimensions		Grille finish	Amps
							L"	W"	H"	L"	W"		
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	0.9	100	Yes	6	11%	10%	7%	14	15	White Polymeric	0.3
QTXE150	13	150	1.4	140	Yes	6	11%	10%	7%	14	15	White Polymeric	0.5
QTRE080	13	80	1.0	75	Yes	4	11%	10%	7%	13	14	White Polymeric	0.4
QTRE110	13	110	1.5	100	Yes	4	11%	10%	7%	13	14	White Polymeric	0.3
QTR080	13	80	1.0	75	Yes	4	11%	10%	7%	13	14	White Polymeric	0.7
QTR110	13	110	1.5	100	Yes	4	11%	10%	7%	13	14	White Polymeric	0.9
HS110UE	14	110	1.5	100	Yes	4	9%	9%	7%	11½	11½	White Polymeric	0.5
MS130	14	130	3.5	120		4	9%	9%	7%	11½	11½	White Polymeric	0.9
MS90	14	90	1.5	80		4	9%	9%	7%	11½	11½	White Polymeric	0.7
HS130	14	130	3.5	120		4	9%	9%	7%	11½	11½	White Polymeric	0.9
HS90	14	90	1.5	80		4	9%	9%	7%	11½	11½	White Polymeric	0.7
676	15	110	4.0	100		4	8	8%	5%	10%	11%	White Polymeric	1.3
684	15	80	2.5	75		4	8	8%	5%	10%	11%	White Polymeric	0.5
671	15	70	6.0	65		3	7%	7%	3%	9	9%	White Polymeric	1.2
670	15	50	3.5	45		3	7%	7%	3%	9	9%	White Polymeric	0.8
689	15	60	5.5	55		3	7%	7%	3%	9	9%	White Polymeric	1.5
688	15	50	4.0	45		3	7%	7%	3%	9	9%	White Polymeric	0.9
686	15	—				Duct-free	8	4%	2%	9%	5%	White Polymeric	0.3
682	15	—				Duct-free	7%	7%	3%	8%	8%	White Polymeric	1.0
HD50	15	50	1.5	45		4	8	8%	5%	10%	10%	White Painted Metal	0.4
HD80	15	80	2.5	75		4	8	8%	5%	10%	10%	White Painted Metal	0.6

Utility Fans

	Page	CFM	Sones	Housing Dimensions			Grille Dimensions		Amps	Duct
				L"	W"	H"	L"	W"		
506	16	470	8.0		10% Rd		13½ Sq		1.7	Direct Discharge
507	16	250	7.0		8% Rd		11½ Sq		1.5	Direct Discharge
508	17	270	6.0		10% Rd		13½ Sq		1.7	Direct Discharge
509	17	180	6.5		8% Rd		11½ Sq		1.5	Direct Discharge
509S	17	180	6.5		8% Rd		11½ Sq		1.5	Direct Discharge
12C	17	370	8.0		11½ Sq		13½ Sq		1.7	Direct Discharge
502	16	270	8.0	16%	13%	3%	13½ Sq		1.7	3¼" x 10"
503	16	160	5.0	14	12	3%	11½ Sq		1.5	3¼" x 10"
512	17	90	3.5		6 Rd		8 Dia		0.7	Room to room wall fan
512M	17	70	3.5		6 Rd		8 Dia		0.7	Direct Discharge
510	16	380	6.5		11½ Sq		13½ Sq		1.7	Room to room wall fan
511	16	180	4.5		11½ Sq		13½ Sq		0.9	Room to room wall fan
504	17	350	6.5		10% Rd	7	13½ Sq		1.7	10"
505	17	180	6.5		8% Rd	7	11½ Sq		1.5	8"
673	17	60	4.5		6% Rd	5%	8 Dia		1.0	6"

In-Line Ventilators

	Page	CFM	0.2" Ps Sones	Housing Dimensions			Amps	Duct
				L"	W"	H"		
MP100	18	110	1.0	11	10%	9%	0.5	4 - 4" Rd Inlets, 6" Rd Outlet
MP140	18	150	1.5	11	10%	9%	0.8	4 - 4" Rd Inlets, 6" Rd Outlet
MP200	18	210	2.0	11	10%	9%	1.3	4 - 4" Rd Inlets, 6" Rd Outlet
MP280	18	290	3.0	15%	14%	14%	2.5	4 - 4" Rd Inlets, 6" Rd Outlet
SP100	19	110	1.0	11	10%	9%	0.5	6" Rd Inlet and Outlet
SP140	19	150	1.5	11	10%	9%	0.8	6" Rd Inlet and Outlet
SP200	19	210	2.0	11	10%	9%	1.3	6" Rd Inlet and Outlet

High Capacity Fans

	Page	CFM/Sones .125" Ps (AMCA)		Housing Dimensions			Grille Dimensions		Amps at 60 Hz	Duct"	Watts	Volts
		CFM	Sones	L"	W"	H"	L"	W"				
L100	21	109	0.9	12%	12%	11%	14	14	1.1	6	87	120
L150	21	157	1.5	12%	12%	11%	14	14	1.3	6	100	120
L100MG	21	115	0.9	12%	12%	11%	14	14	1.1	6	87	120
L150MG	21	161	1.4	12%	12%	11%	14	14	1.3	6	100	120
L100L	21	106	0.7	12%	12%	11%	—	—	1.1	6	87	120
L150L	21	147	1.1	12%	12%	11%	—	—	1.3	6	100	120
L200	22	210	1.7	12%	12%	11%	14	14	1.8	8	127	120

Broan Ventilation Fans – Specifications

High Capacity Fans

	Page	CFM/Sones .125" Ps (AMCA)		Housing Dimensions			Grille Dimensions		Amps at 60 Hz	Duct"	Watts	Volts
		CFM	Sones	L"	W"	H"	L"	W"				
L250	22	259	2.2	12%	12%	11%	14	14	2.1	8	166	120
L300	22	308	2.9	12%	12%	11%	14	14	2.6	8	212	120
L200MG	22	215	1.9	12%	12%	11%	14	14	1.8	8	127	120
L250MG	22	265	2.5	12%	12%	11%	14	14	2.1	8	166	120
L300MG	22	316	3.0	12%	12%	11%	14	14	2.6	8	212	120
L300KMG	22	277	3.1	12%	12%	11%	14	14	2.6	8	212	120
L200L	22	195	1.9	12%	12%	11%	—	—	1.8	8	127	120
L250L	22	245	2.3	12%	12%	11%	—	—	2.1	8	166	120
L300L	22	293	3.1	12%	12%	11%	—	—	2.6	8	212	120
L400	23	434	2.3	21%	12%	11%	23%	14	1.4	4½ x 18½	146	120
L400K	23	406	3.3	21%	12%	11%	23%	14	1.4	4½ x 18½	146	120
L500	23	514	3.3	21%	12%	11%	23%	14	2.2	4½ x 18½	232	120
L500K	23	481	4.4	21%	12%	11%	23%	14	2.2	4½ x 18½	232	120
L700	23	701	4.7	21%	12%	11%	23%	14	2.9	4½ x 18½	313	120
L400L	23	406	1.6	21%	12%	11%	—	—	1.4	4½ x 18½	146	120
L500L	23	519	3.4	21%	12%	11%	—	—	2.2	4½ x 18½	232	120
L700L	23	681	3.7	21%	12v	11%	—	—	2.9	4½ x 18½	313	120
L900	23	901	4.1	22	18	18	23%	19%	3.0	8 x 12	306	120
L1500	24	1513	8.4	22	18	18	23%	19%	5.0	8 x 12	468	120
L900L	24	894	3.8	22	18	18	—	—	3.0	8 x 12	306	120
L1500L	24	1214	6.7	22	18	18	—	—	5.0	8 x 12	468	120
L2000L	24	1791	9.4	38	14%	14%	—	—	5.8	7¼ x 33%	590	120
L3500EXL	24	3452	14.5	45%	16%	16%	—	—	5.4	9¾ x 41%	1204	120

Fan/Lights

Air/Lights	HVI- up to				Watts Main/	Energy	Housing Dimensions			Grille Dimensions		Grille finish	Amps	
	Page	CFM	certified	() Sq Ft	Nightlight	Star	Duct Size"	L"	W"	H"	L"			W"
QTXE080FLT*	27	80	0.3	75	42/4	Yes	6	11%	10%	7%	13%	14%	White Polymeric	1.0
QTXE110FLT*	27	110	0.9	100	42/4	Yes	6	11%	10%	7%	13%	14%	White Polymeric	1.0
QTXE150FLT*	27	150	1.4	140	42/4	Yes	6	11%	10%	7%	13%	14%	White Polymeric	1.2
QTRE080FLT*	27	80	0.8	75	42/4	Yes	4	11%	10%	7%	12%	14	White Polymeric	1.0
QTRE110FLT*	27	110	1.3	100	42/4	Yes	4	11%	10%	7%	12%	14	White Polymeric	1.0
QTR080L	27	80	1.0	75	100/4		4	11%	10%	7%	12%	14	White Polymeric	1.6
QTR110L	27	110	1.5	100	100/4		4	11%	10%	7%	12%	14	White Polymeric	1.8
HS110LU	32	110	1.5	100	100/7		4	9%	9%	7%	11%sq		White Polymeric	1.6
HS120L	32	120	3.5	110	100/7		4	9%	9%	7%	11%sq		White Polymeric	1.8
MS120L	32	120	3.5	110	100/7		4	9%	9%	7%	11%sq		White Polymeric	1.8
MHS120L	32	120	3.5	110	100/7		4	9%	9%	7%	11%sq		White Polymeric	2.1
696	33	100	4.5	90	100		4	14%	8%	5%	16%	10%	White Polymeric	2.0
657	33	70	4.0	65	100		4	14%	8%	5%	16%	10%	White Polymeric	2.0
741BR	30	70	3.5	65	120 (2-60W)		4	8%	8	5%	13% Dia		Brass	2.2
741WH	30	70	3.5	65	120 (2-60W)		4	8%	8	5%	13% Dia		White	2.2
741SN	30	70	3.5	65	120 (2-60W)		4	8%	8	5%	13% Dia		Satin Nickel	2.2
742SN	30	70	2.0	65	120 (2-60W)		4	8%	8	5%	13% Dia		Satin Nickel	1.6
742WH	30	70	2.0	65	120 (2-60W)		4	8%	8	5%	13% Dia		White	1.6
742RB	30	70	2.0	65	120 (2-60W)		4	8%	8	5%	13% Dia		Rubbed Bronze	1.6
721	30	100	3.5	90	100/7		4	8%	8	5%	15% Dia		Oak/Polished brass	2.2
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
707	33	70	3.5	65	100		4	8%	8	5%	10%	11%	Oak Frame	2.0
679	33	70	3.5	65	100		4	8%	8	5%	11%	10%	White Polymeric	2.0
680	33	100	4.0	90	100		4	8%	8	5%	11%	10%	White Polymeric	2.2
680FLT*	33	100	4.0	90	22		4	8%	8	5%	11%	10%	White Polymeric	1.7
678	33	50	2.5	45	13		4	8%	8	5%	11%	10%	White Polymeric	1.6
679FLT*	33	70	3.5	65	13		4	8%	8	5%	11%	10%	White Polymeric	1.3
744	31	70	1.5	65	75		4	8%	12%	6%	7% Dia		Matte White	1.2
744FL	31	70	1.5	65	14		4	8%	12%	6%	7% Dia		Matte White	0.7
754RB	28	70	3.5	65	120 (2-60W)		4	8%	8	5%	13% Dia		Oil-rubbed Bronze	2.2
754SN	28	70	3.5	65	120 (2-60W)		4	8%	8	5%	13% Dia		Nickel	2.2
755	29	70	3.5	65	120 (2-60W)		4	8%	8	5%	13% Dia		Antique Crackle	2.2
756	29	80	2.5	75	120 (2-60W)		4	8%	8	5%	13% Dia		White	1.6
757PT	29	80	2.5	75	120 (2-60W)		4	8%	8	5%	13% Dia		Pewter	1.6
757SN	29	80	2.5	75	120 (2-60W)		4	8%	8	5%	13% Dia		Satin Nickel	1.6
758	29	70	3.5	65	120 (2-60W)		4	8%	8	5%	13% Dia		White	2.2
HD50L	33	50	1.5	45	100		4	8	8%	5%	10%	10%	White Polymeric	0.4
HD80L	33	80	2.5	75	100		4	8	8%	5%	10%	10%	White Polymeric	0.6

Broan Ventilation Fans – Specifications

Heater/Fan/Lights		Page	CFM	Sones, HVI- Certified	Lighting Main/ Nightlight	Housing Dimensions			Grille Dimensions		Grille Finish	Duct Size"	Amps	Total Connected Load In		Heater Wattage	BTU
						L"	W"	H"	L"	W"				Watts			
QTX110HL	35	110	0.9	120W/7W	17%	11%	7%		20	15	White Polymeric	6	14.6	1710	1500	5120	
655	37	70	4.0	100W	14%	8%	5%		16%	10%	White Polymeric	4	12.8	1545	1300	4437	
659	37	50	2.5	100W	14%	8%	5%		16%	10%	White Polymeric	4	12.0	1472	1300	4437	
695	37	100	4.5	100W	14%	8%	5%		16%	10%	White Polymeric	4	15.0	15	1300	4437	
164	36	70	3.5	*250W (2)	14%	8%	6%		15%	10%	White Polymeric	4	4.5	545	500*	1707	
162	36	70	3.5	*250W (1)	8%	8%	6%		10%	10%	White Polymeric	4	2.5	300	250*	853	
658	37	70	4.0	n/a	14%	8%	5%		16%	10%	White Polymeric	4	11.9	1448	1300	4437	
656	37	—	—	100W	14%	8%	5%		16%	10%	White Polymeric	—	11.9	1448	1300	4437	

Heaters	Heater					Housing Dimensions			Grille Dimensions		Grille Finish
	Page	Wattage	Volts	Amps	BTU/hr	W"	H"	D"	W"	H"	
112	42	1500	240	12.5	5120	18	3%	12	19%	3%	White Baked Enamel
		750	240	6.25	2560	18	3%	12	19%	3%	
114	42	1125	208	5.41	3840	18	3%	12	19%	3%	White Baked Enamel
		1500	240	6.25	5120	18	3%	12	19%	3%	
120	42	500/1000	120	4.16/8.33	1707/3413	10%	7%	3%	14%	9%	White Baked Enamel
		750	208	3.61	2560	10%	7%	3%	14%	9%	
		1000	240	4.16	3413	10%	7%	3%	14%	9%	
124	42	750/1500	120	6.25/12.5	2560/5120	10%	7%	3%	14%	9%	White Baked Enamel
		1125	208	5.41	3840	10%	7%	3%	14%	9%	
		1500	240	6.25	5120	10%	7%	3%	14%	9%	
128	42	750/1500	208	3.61/7.21	2560/5120	10%	7%	3%	14%	9%	White Baked Enamel
		1000/2000	240	4.16/8.33	3413/6827	10%	7%	3%	14%	9%	
6200	43	1200/1500	120	10.0/12.5	4095/5120	4%	5	6	3%	3%	Chrome
165F	40	500	120/240	4.17/2.08	1707	—	—	—	12	9%	White Baked Enamel
167F	40	563/1125	208	2.71/5.41	1922/3840	—	—	—	12	9%	White Baked Enamel
167FT		750/1500	240	3.13/6.25	2560/5120	—	—	—	12	9%	
170	40	500/1000	120	4.16/8.33	1707/3413	10%	7%	3%	12	9%	White Baked Enamel
		750	208	3.61	2560	10%	7%	3%	12	9%	
		1000	240	4.16	3413	10%	7%	3%	12	9%	
174	40	750/1500	120	6.25/12.5	2560/5160	10%	7%	3%	12	9%	White Baked Enamel
		1125	208	5.41	3840	10%	7%	3%	12	9%	
		1500	240	6.25	5120	10%	7%	3%	12	9%	
178	40	750/1500	208	3.61/7.21	2560/5160	10%	7%	3%	12	9%	White Baked Enamel
		1000/2000	240	4.16/8.33	3413/6827	10%	7%	3%	12	9%	
192	41	750/1500	208	3.61/7.21	2560/5120	14%	20	4%	16%	20%	White Baked Enamel
		1000/2000	240	4.17/8.33	3413/6827	14%	20	4%	16%	20%	
194	41	1125/2250	208	5.41/10.82	3840/7660	14%	20	4%	16%	20%	White Baked Enamel
		1500/3000	240	6.25/12.5	5120/10239	14%	20	4%	16%	20%	
198	41	1500/3000	208	7.21/14.42	520/10240	14%	20	4%	16%	20%	White Baked Enamel
		2000/4000	240	8.33/16.67	6827/13653	14%	20	4%	16%	20%	
163	43	500	120	4.3	1707	14%	6%	8%	15%	10%	White Polymeric
161	43	250	120	2.1	853	8%	6%	8%	10%	10%	White Polymeric
154	43	1250	120	10.7	4266	11 Dia		2%	—	—	Satin Aluminum
157	43	1250	120	10.7	4266	11 Dia		2%	—	—	Satin Aluminum

Whole-house/Attic		Model No.	Page	Description	Housing Dimensions			CFM	Sones	Amps
					L"	W"	H"			
POWERED ATTIC VENTILATORS	350	45	PAV - Roof Mount	22% Sq	23% Dia	Dome	8	1050	n/a	3.6
	353	45	PAV - Gable Mount	15 Dia	—		8	1140	n/a	3.4
	35316	45	PAV - Gable Mount	15 Dia	—		8	1600	n/a	3.9
	355	45	PAV - Roof Mount	22% Sq	23% Dia	Dome	8	1200	n/a	4.3
	356	45	PAV - Roof Mount	22% Sq	23% Dia	Dome	8	1600	n/a	8
	358	45	PAV - Roof Mount	22% Sq	23% Dia	Dome	8	1200	n/a	4.3
WHOLE-HOUSE VENTILATORS	2220	45	WHV - Direct Drive	26	29		12%	3300	n/a	4.5
	2224	45	WHV - Direct Drive	26	34		12%	3600	n/a	4.5
	2230	45	WHV - Direct Drive	32%	37%		13%	5100	n/a	5
	2236	45	WHV - Belt Drive	49%	34%		13%	6850	n/a	5.5