

BROAN[®]

Ventilation Fans



Performance and Style Without Compromise

Ventilation Solutions Made Better. By Broan.



Take a moment to consider areas of your home that occasionally need extra ventilation – what the industry refers to as intermittent ventilation.

For instance, high moisture levels generated in the bathroom, or dampness in laundry or utility rooms.

Perhaps cooking odours and grease from the kitchen

spring to mind. Now consider the consequences if excess moisture or cooking fumes aren't dealt with promptly and properly.

Moisture from a steamy shower, for instance, will do more than just saturate bathroom air. Left unchecked, lingering moisture will provide an ideal breeding ground for mold and mildew. Excess moisture will infiltrate plaster and drywall, or seep through ceiling fixtures into attic insulation. Ultimately, moisture will be absorbed into your home's framework, and into the woodwork of doors and furnishings, resulting in warping, paint peeling and even wood rot.

In the kitchen, smoke or fumes from cooking spread odours throughout your entire home. Suspended grease particles can also drift through the air and settle on countertop and cabinet surfaces where they will attract dust and add more work to your routine housecleaning chores.

Protect Your Home and Add Comfort Inexpensively

Problems such as those described above are identified as point-source contaminants. Ridding your home of problems like these is really very simple. In fact, it's as easy as installing readily available intermittent ventilation products such as ventilation fans, utility fans, air exchangers or range hoods.

Effective point-source ventilation products make your home more comfortable by providing a concentrated level of ventilation where it's needed most. Just as important, ventilation products help protect your home investment by eliminating many of the factors that compromise your home's structural integrity.

Why More Homes Choose BROAN

Broan is the residential ventilation leader. We have been since 1932 when Henry Broan introduced the through-the-wall ventilation fan – the first fan specifically engineered for residential room ventilation.

With hundreds of easy-to-install products to choose from, Broan offers the industry's most comprehensive selection of quality ventilation products. So it's easy to find solutions that precisely match your needs.

CFM How Exhaust Capacity Is Measured

Air changes per hour recommended by the Home Ventilating Institute (HVI)

Ceiling and Wall Fans	Recommended Air Changes/Hour	Formula (8 ft./ceiling)
Kitchen	15	$L \times W \times 2 = \text{CFM}$ (e.g. 100 sq. ft. x 2 = 200 CFM)
Bathroom	8	$L \times W \times 1.1 = \text{CFM}$ (e.g. 60 sq. ft. x 1.1 = 70 CFM rounded)
Recreation	6	$L \times W \times 0.8 = \text{CFM}$ (e.g. 150 sq. ft. x 0.8 = 120 CFM)

L = Room Length W = Room Width

Table to Match ROOMS TO CFM

CFM-to-Room Area for Recommended HVI Ventilation

Bathroom		Kitchen		Laundry, Family or Recreation	
Sq. ft.	CFM	Sq. ft.	CFM	Sq. ft.	CFM
45	50	60	120	75	60
55	60	70	140	100	80
65	70	80	160	125	100
75	80	90	180	150	120
85	90	100	200	175	140
95	100	125	250	200	160
105	110	150	300	225	180
110	120	175	350	250	200
120	130	200	400	310	250
130	140	225	450	375	300
140	150	250	500	435	350
185	200	275	550	500	400
				560	450
				625	500
				685	550

Typical CFM ratings are shown above. Ceiling height of 8 feet is assumed.

Ventilation Defined

CFM Cubic Feet per Minute. A term used to measure the air flow performance of a fan, vent hood or exhaust system.

SONES An internationally recognized unit of sound loudness for rating the noise output of hoods and fans. Sones follow a linear scale; doubling the sone value means doubling the loudness. One sone is roughly equivalent to the sound of a quiet refrigerator in a quiet kitchen.



Broan Fans are tested and certified to deliver the number of air changes per hour recommended by the Home Ventilating Institute (HVI). This ensures you have chosen a fan that will deliver a fresher atmosphere throughout your home, exhausting the heat, smoke, humidity, odours and other airborne contaminants.

BROAN® *Elite* Introducing the QT Series

We set out to build the industry's quietest bath fan. We ended up creating a whole new category.

Looking ahead. Anticipating needs. That's the culture at Broan. It's why we lead the marketplace with products and services that consumers, designers, contractors and builders will want in the years ahead. This time, the result is the new QT Series of ventilation solutions. High style and feature rich just like you expect.

For the first time, virtually silent ventilation is also a design statement.

Virtually silent operation. The QTXE Series of ventilation products from Broan is the quietest product on the market – as quiet as <0.3 sone. That's less than a third as quiet as an efficient refrigerator.

High style for every home. Everyone has an opinion about style, and frankly, every opinion is right. Whether your taste is classic or contemporary, our new grille designs will complement any decorating style. Some simply blend into the ceiling, while others make a bold design statement. But all suggest a little something about you.

Powerful ventilation. To achieve our industry-leading silent operation, we didn't sacrifice power. In fact, Broan's new housing, wheel and motor designs deliver better air flow, even in difficult installations.

Designed to meet ENERGY STAR® specifications. Not only did we make our new fans more quiet, but more energy efficient, too. Combined with efficient fluorescent lighting, our QTXE and QTRE lines are designed to meet stringent ENERGY STAR performance levels. Homeowners will save on energy expenditures, and builders may qualify for rebates offered by the local utility.

Installation conveniences make for smart workflow. We built efficiency into everything, including the rugged housings. Our new design features full-length installation tabs and engineered "I"-joist spacers for a solid mount in all types of construction – without the use of extension bars.

Builder packs keep you on schedule. Our new fans slip into a common housing. That means you can proceed with rough-in installation without having to choose the specific fan model, or worry about accidental damage that could occur during construction. Initially, install the housing only and walk away. When the drywall and painting work is done, insert the separately packaged motor plate, motor, wheel and grille. Installation is fast, rework and damage is eliminated, and upgrades won't affect rough-in work already completed.

A three-year warranty. Rugged construction has always been a trademark of Broan fans throughout our long history. We stand behind our new QT Series – choose it with confidence.

For style, quiet operation, power and convenience, the new QT Series will meet the needs of discerning consumers.

Sturdy, four-point top-and-bottom mounting on common engineered "I" joists is achieved with our unique spacer (patent pending, see inset image). The spacer can be positioned in three ways for different joist sizes.

To maximize sone and CFM performance, QTXE products utilize 6" ducting. QTRE and QTR products utilize 4" ducting.



QTXE Fans



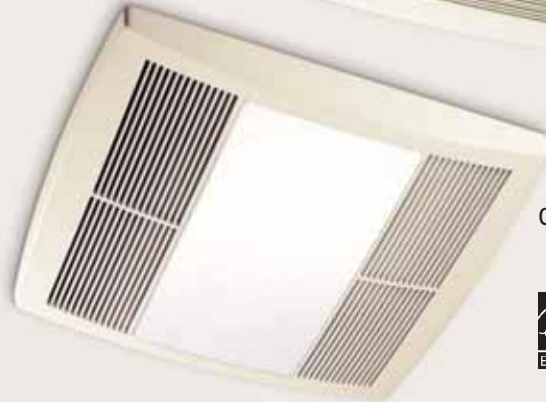
QTRE Fans



QTXE Fan/Lights



QTRE Fan/Lights



The quietest products in the industry. The most stylish options for your home. The QTXE line represents the ultimate in bath fan solutions for today's homes. Whether you select a fan or a fan/light version, the QTXE line brings simple elegance to any bath or powder room. Whether by sight or by sound, you'll barely notice the QTXE line. Except, of course, when you need just the right amount of ventilation and light at the touch of a switch.

QTXE Fans and Fan/Lights Features

- Nearly silent operation <0.3 to 1.4 sones
- 50 CFM to 150 CFM
- A free-breathing 6" duct connector
- Designed to meet ENERGY STAR specifications
- Bright, energy efficient 26-watt fluorescent bulb included with lighted models
- 4-watt night light on lighted models (bulb not included)
- Motor engineered for continuous operation
- cUL and UL listed for use over tub/shower with GFCI circuit
- Type IC
- 11-1/4" x 10-3/8" x 7-5/8" housing fits 2" x 8" construction
- Grille Dimension: Fan – 14" x 15"; Fan/Light – 13-3/8" x 14-1/4"

QTXE Model	CFM	Sones	Bathrooms up to (X) sq. ft.	Lighting/ Night Light
QTXE050C	50	<0.3	45	-
QTXE090C	90	0.7	85	-
QTXE090FLC	90	0.7	85	26W / 4W
QTXE110C	110	1.1	100	-
QTXE110FLC	110	1.1	100	26W / 4W
QTXE150C	150	1.4	150	-
QTXE150FLC	150	1.4	150	26W / 4W

Energy efficient solutions in traditional designs. 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 importantly, it shouldn't call attention to itself on your electric bill. So we developed the QTRE line for energy efficiency in the high-traffic bathroom, and for those who seek a fan with a more traditional design. It simply does its job quietly, in every sense of the word.

QTRE Fans and Fan/Lights Features

- Extremely quiet operation
- Designed to meet ENERGY STAR specifications
- Bright, energy efficient 26-watt fluorescent bulb included with lighted models
- 4-watt night light on lighted models (bulb not included)
- Motor engineered for continuous operation
- 4" duct connector
- cUL and UL listed for use over tub/shower with GFCI circuit
- Type IC
- 11-1/4" x 10-3/8" x 7-5/8" housing fits 2" x 8" construction
- Grille Dimension: Fan – 13" x 14"; Fan/Light – 12-3/8" x 14"

QTRE Model	CFM	Sones	Bathrooms up to (X) sq. ft.	Lighting/ Night Light
QTRE090C	90	1.0	85	-
QTRE090FLC	90	1.0	85	26W / 4W
QTRE110C	110	1.5	100	-
QTRE110FLC	110	1.5	100	26W / 4W

QT Series Fans and Fan/Lights

QTR Fans



Project Packs Keep you on Schedule

Our new fans slip into a common housing. That means you can proceed with rough-in installation without having to choose the specific fan model, or worry about accidental damage that could occur during construction. Initially, install the housing only and walk away. When the drywall and painting work is done, insert the separately packaged motor plate, motor, wheel and grille. Installation is fast, rework and damage is eliminated, and upgrades won't affect rough-in work already completed.

QT Series Project Pack (Four units per pack)

	Kit number:	For model:
Project Housing Pack	HQTXR000C	
Project Finish Pack	FQTR090C.....	QTR090C
for FAN models:	FQTRE090C.....	QTRE090C
	FQTR110C.....	QTR110C
	FQTRE110C.....	QTRE110C



QTR Fan/Lights



Traditional styles for more conservative budgets. For the bath that's not used every day you may not have to be as concerned about energy efficiency. The QTR line was designed to satisfy that need. The fan and fan/light models are still among the quietest products in their category, but feature bright incandescent rather than fluorescent lighting. Since they're a perfect match to the QTRE line, they're an ideal design solution for any bath or powder room.

QTR Fans and Fan/Lights Features

- Extremely quiet operation
- Designed for easy installation
- Bright, 100-watt lighting from a single bulb (bulb not included)
- 4-watt night light on lighted models (bulb not included)
- Motor engineered for continuous operation
- 4" duct connector
- cUL and UL listed for use over tub/shower with GFCI circuit
- Type IC
- 11-1/4" x 10-3/8" x 7-5/8" housing fits 2" x 8" construction
- Grille Dimension: Fan – 13" x 14"; Fan/Light – 12-3/8" x 14"

Recommended Controls for QT Series Products

	Single Function	Three Function	Speed Controls	Timer Controls
Fans	•		•	•
Fan/Light/Night Light		•	•	•

Due to the very quiet operation of these fans, we recommend switches with "On" indicator lights. See page 13 or visit www.Broan.ca to see a detailed listing of all our control options.

QTR Model	CFM	Sones	Bathrooms up to (X) sq. ft.	Lighting/Night Light
QTR090C	90	1.0	85	-
QTR090LC	90	1.0	85	100W / 4W
QTR110C	110	1.5	100	-
QTR110LC	110	1.5	100	100W / 4W





Hands-Free Convenience

The innovative use of advanced sensor technology helps you fight the battle against bathroom mold and mildew – automatically. That's because SensAire® fans utilize sensors that automatically trigger operation in response to motion or rapid rises in humidity.

Once a rapid change in humidity is detected, the humidity sensing SensAire starts automatically and remains running for a user-adjustable 5 to 60-minute time period. Structural problems associated with mold and mildew are quickly and effortlessly eliminated.

A convenient toggle feature lets you bypass the humidity sensor mechanism temporarily. This feature allows you to operate the humidity sensing SensAire units manually or automatically – with just one switch. This means faster and less expensive installation for do-it-yourself remodelers and professional contractors.

Our motion response SensAire fans turn on the moment someone enters the room – and remain on for a user-adjustable 5 to 60 minutes after the motion stops.

SensAire is ideal for light commercial or institutional applications such as public restrooms or nursing homes. The sensing capability can even eliminate the need for a wall switch altogether. SensAire also features a super-quiet centrifugal blower. So you enjoy hands-free convenience in one of the quietest high performance fans in the industry.



Motion

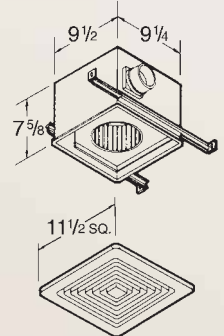


Humidity

Model	CFM	Sones
S90M	90	2.5
S130M	130	3.5

Model	CFM	Sones
S90H	90	2.5
S130H	130	3.5

- Easy installation
- 4" duct connector
- 7-5/8" high housing mounts directly to ceiling joists
- Alternately, slide bar brackets span up to 24"
- Pre-wired outlet box for plug-in motor plate
- Balanced blower wheel
- Permanently lubricated motor
- Resilient neoprene motor mounts isolate vibration
- CSA listed for use over tub/shower with GFCI circuit



2 Exclusive Sensing Control Options

Using advanced sensor technology, Broan offers you the simplicity, luxury and convenience of hands-free bath fan operation.

Motion Motion activated SensAire units provide automatic solutions for problem areas where hands-free ventilation is a must. Adjustable "field of view" lets you adjust the sensor response area to your specific application needs.

Humidity The moisture activated SensAire units sense rapid increases in humidity brought on by the bath or shower and turn on automatically. The unit shuts itself off after a user-adjustable period of 5 to 60 minutes.

Decorative, Discrete and Convenient to Fit any Style

Decorative Fan/Light



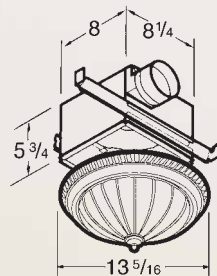
Model 741WHC
Corrosion-resistant gloss white finish base



Model 741BRC
Corrosion-resistant polished brass finish base



Model 741SNC
Corrosion-resistant satin nickel finish base



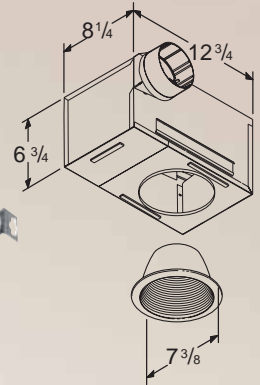
- Frosted melon glass globe
- Uses two standard incandescent bulbs – 60-watt maximum each (bulbs not included)
- Type IC

Model	CFM	Sones
741WHC	70	3.5
741BRC	70	3.5
741SNC	70	3.5

Recessed Fan/Light



MODEL 744C



No way there's a fan in that light!

Look again. Broan has taken the popular recessed lighting concept one step further by incorporating powerful ventilation into an ingenious new design. The Broan Recessed Fan/Light—the first of its kind—does more than just set the mood with stylish lighting, it also ventilates high-humidity areas like bathrooms, kitchens and laundry rooms. But why limit its applications? The Recessed Fan/Light is at home in any room of the house where you'd like to keep the air fresh and comfortable. Two distinct functions in one clever design. Bright idea.

- High efficiency centrifugal fan delivers 70 CFM
- HVI-certified 2.0 sones
- Trim matched to designs of major recessed light manufacturers
- Multiple units can easily be used in larger rooms
- Uses a 75-watt bulb, either R30 or BR30, for standard applications (bulbs not included)
- cUL and UL listed for use over bathtubs and showers when connected to a GFCI protected branch circuit with PAR30L or PAR30LN type bulbs (bulbs not included)
- 6-3/4" high housing appropriate for new construction and 2" x 8" ceiling joists
- 4" round duct connector
- Not for use over cooking surfaces
- Optional wall control switches available
- Type IC, airtight housing



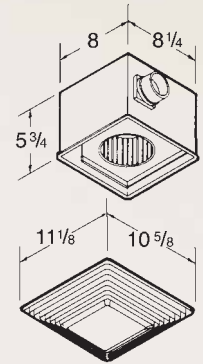
Deluxe



Fan

- Centrifugal blower wheels for high capacity at low sound levels
- Built-in mounting ears for quick, sturdy installation
- Torsion spring grille mounting – no tools required
- Tapered 4" round, polymeric duct connector – prevents metallic clatter
- Ceiling or wall installation
- Available in Single and Project Packs

Model	CFM	Sones
DX90	90	2.5
DX110	110	4.0

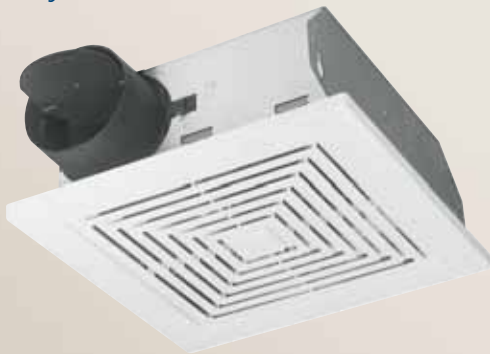


Fan/Light

- Shatter-resistant light-diffusing lens
- Up to 100-watt bulb capacity (bulb not included)
- Uses Model P68WN Two-Function Control (available separately)
- Ceiling installation
- Type IC

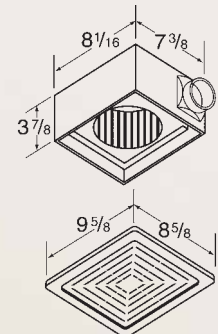
Model	CFM	Sones
DX50L	50	2.5
DX70L	70	3.5

Economy



Fan

- Torsion spring grille mounting – no tools needed
- Compact housing fits easily between wall studs
- Double strength steel mounting flanges with keyhole slots for fast installation
- Tapered 3" round, polymeric duct connector – prevents metallic clatter
- Ceiling or wall installation
- cUL and UL listed for use over tub/shower with GFCI circuit
- Available in Single and Project Packs



Model	CFM	Sones
EC50	50	3.0
EC70	70	5.5

Project packs are available for fan housings and finishings.

That means you can proceed with rough-in installation without having to choose the specific fan model, or worry about accidental damage that could occur during construction. Initially, install the housing only and walk away. When the drywall and painting work is done, insert the separately packaged motor plate, motor, wheel and grille.

Deluxe Project Pack (Four units per pack)	Kit number:	For model:
Project Housing Pack	DXH600	
Project Finish Pack	DXF90DX90	
	DXF110DX110	

Economy Project Pack (Six units per pack)	Kit number:	For model:
Project Housing Pack	ECH600	
Project Finish Pack	ECF50EC50	
	ECF70EC70	



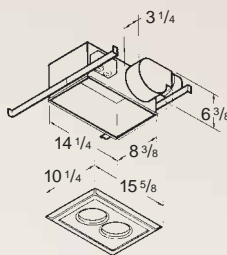
Economy project pack shown.

Bulb Heaters

Infrared bulb heaters provide instant warmth and comfort in the bathroom... without turning up the central thermostat.

- Uses 250-watt R40 size infrared bulbs (bulbs not included)
- Attractive white polymeric grilles
- Adjustable mounting brackets with keyhole slots span up to 24"
- Compact steel housings

Two-bulb Heater/Fan



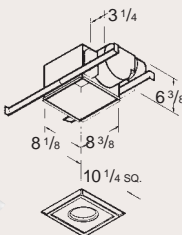
- Overall housing dimensions 6-3/8" x 11-5/8" x 14-1/4"
- Use with Broan Model P63WN Multi-Function Control (available separately)
- Suitable for use in insulated ceilings up to an R40 factor (Type IC)

Model	CFM	Sones
164	70	3.5

PLUS The Option of Quiet Bathroom Ventilation

- Ventilators feature polymeric blower wheels
- Quiet polymeric dampers prevent backdrafts
- Polymeric 4" round duct connectors with tapered sleeves
- Bulbs and ventilating fans may be operated independently or in combination

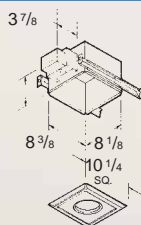
One-bulb Heater/Fan



- Overall housing dimensions 8-1/8" x 11-5/8" x 6-3/8"
- Uses one infrared bulb – all other features same as Model 164
- Use with Broan Model P68WN Two-Function Control (available separately)

Model	CFM	Sones
162M	70	3.5

One-bulb Heater

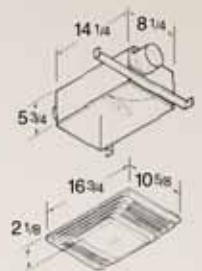


- Similar features as Model 162M without ventilating fan
- Overall housing dimensions 8-1/8" x 12-1/4" x 6"
- Ceiling application

Model	CFM	Sones
161M		

Ventilation Heater/Fan/Light

Comforting warmth, quiet moisture and odour removal, and brilliant lighting in one compact, easy-to-install unit.



- Snap-in light-diffusing lens for 100-watt bulb (bulb not included)
- Directional vanes for heat and exhaust
- 1300 watts, with metal blower wheel for efficient, even heating
- Adjustable mounting brackets span up to 24"
- Suitable for insulated ceilings (Type IC)

Model	CFM	Sones
655C	70	4.0



High Efficiency Utility Fans for Kitchens, Laundry Rooms, Rec Rooms & Workshops

Eliminate cooking fumes, tobacco smoke or excess humidity with Broan utility fans. All feature powerful, permanently lubricated motors in rugged steel housings. Attractive low profile white polymeric grilles can be painted to match the surrounding wall colour.



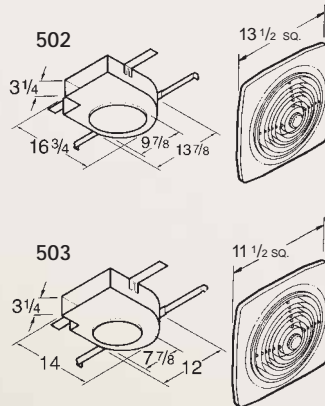
- 10" Side Discharge Fan
- Installs easily between ceiling joists or wall studs
- Fits 3-1/4" x 10" duct
- Built-in damper minimizes backdrafts

Model 502

- 10" Side Discharge Fan

Model 503

- 8" Side Discharge Fan
- CSA certified for kitchen use when used with aluminum filter model 99010042



Model	CFM	Sones
502	270	8.0
503	160	5.0

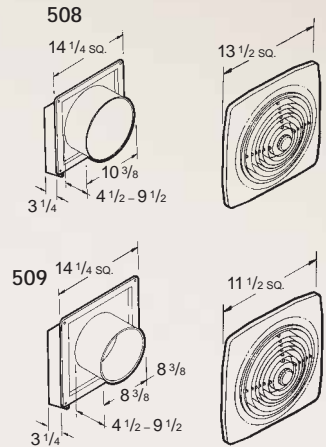


Model 508

- 10" Automatic Wall Fan
- Specially designed polymeric fan blade
- Rugged steel housing with slim profile
- Housing adjusts to fit walls from 4-1/2" to 9-1/2" thick
- Built-in damper minimizes backdrafts

Model 509

- 8" Automatic Wall Fan
- 8-3/8" diameter sleeve
- All other features same as Model 508
- CSA certified for kitchen use when used with aluminum filter 99010042



Model	CFM	Sones
508	270	6.0

Model	CFM	Sones
509	180	6.5



Room-to-Room Ventilators

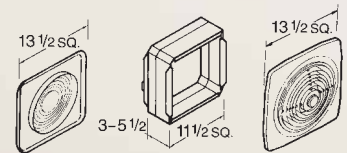
- Easy interior wall installation
- Quiet, high performance fan – permanently lubricated motor
- High strength reinforced polymeric fan blade
- Two attractive white reinforced polymeric grilles can be painted to match any decor

Model 510

- 10" Room-to-Room Fan
- Built-in variable speed control
- Housing adjusts to fit walls from 3" to 5-1/2" thick

Model 511

- 8" Room-to-Room Fan
- Built-in variable speed control
- Housing adjusts to fit walls from 3" to 5-1/2" thick



Model	CFM	Sones
510	380	6.5
511	180	3.5

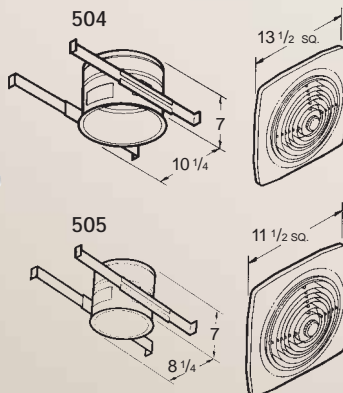


Model 504

- 10" Vertical Discharge Fan
- Installs easily between ceiling joists
- Fits 10" round duct – use Model 472 transition/damper for 8" round duct (available separately)

Model 505

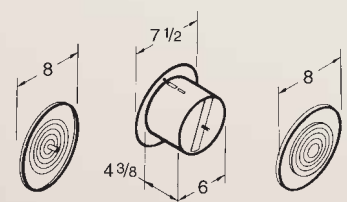
- 8" Vertical Discharge Fan
- Housing features built-in backdraft damper
- 8-1/4" diameter housing
- Fits 8" round duct
- All other features same as Model 504
- CSA certified for kitchen use when used with aluminum filter model 99010042



Model	CFM	Sones
504	350	6.5
505	180	6.5



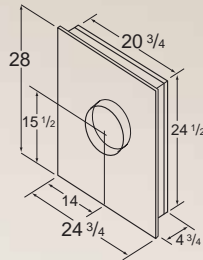
- 6" Room-to-Room Fan
- Use with Model P57WN Variable Speed Control (available separately)
- Housing fits walls up to 5-1/8" thick



Model	CFM	Sones
512	90	3.5

Exterior Blower System

Designed and manufactured to the industry's most demanding standards.



Model	CFM	AMPS
331	600	2.3
332	900	5.8

Features Common to Models 331 and 332:

- Fully enclosed, thermally protected, lifetime lubricated 120V/60Hz motor
- Durable, weather-resistant aluminum housing
- Dynamically balanced blower wheel and neoprene, anti-vibration motor mounts for quietest operation
- Equipped with energy-saving backdraft damper
- Built-in flashing plate for easy roof or wall installation
- Safety screen prevents debris or small animals from damaging blower or motor
- Speed control compatible
- Removable blower cover facilitates easy servicing
- Fits 10" round vents
- CSA certified

Powered Attic Ventilator



Model	CFM	AMPS
345	1200	3.2

- 1/10 H.P.
- 7-7/8" High x 23-3/16" dome diameter

During the summer, the temperature of trapped attic air is usually 10-15°C (50-60°F) warmer than outside temperatures. Attics often reach 66°C (150°F) or more.

Home air conditioning systems are forced to work nearly full time because a great deal of heat penetrates from the superheated attic into the living area.

The thermostatically controlled Broan Powered Attic Ventilator cools attics and reduces running time for air conditioners during hot weather. It also tends to shorten the air conditioning season during spring and fall. Energy consumption of air conditioners may be reduced by up to 30%.

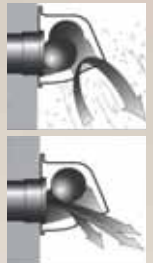
Non-air-conditioned homes can also be kept cooler and more comfortable by removing superheated attic air with a Powered Attic Ventilator.

EcoVent

A remarkable innovation in exit air vent technology.



Floating ball check valve



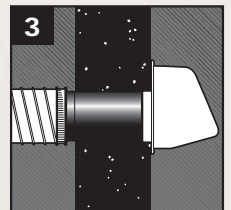
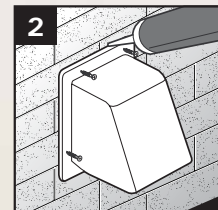
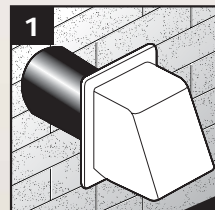
Model EV100

The EcoVent by Broan is the only exit vent to feature the patented floating ball check valve. This award-winning innovation improves air flow efficiency, reduces heating costs and provides an airtight thermal seal that prevents condensation in ducts while eliminating backdrafts to keep homes quiet and secure even on the windiest days. With EcoVent, animals can't get in and heated or cooled air won't get out. It is an attractive, easy way for homeowners to enjoy a more comfortable, secure and energy efficient home.

- **Airtight:** Patented floating ball check valve eliminates backdrafts for greater home comfort
- **Noiseless:** Provides virtually silent operation, even in strong winds
- **Secure:** Grid and ball prevent animal intrusions
- **Efficient:** Clever design creates energy-saving air flow performance
- **Insulating:** Durable insulation material eliminates thermal bridge to improve energy efficiency and prevent condensation on ducts
- **Lowers Heating Costs:** Prevents heated air from escaping when dryer or bath fan is not in use
- **Easy to Install:** Sturdy and attractive design installs easily and provides years of exceptional performance

Easy Do-it-Yourself Installation

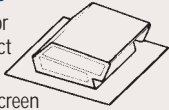
- 1 Simply insert the back of EcoVent into a 4" diameter opening.
- 2 Secure on the outside wall with screws and seal with caulking.
- 3 Connect to the inside pipe and installation is complete.



Roof Caps

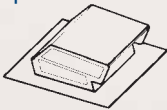
Model 634 Roof Cap

- For 3-1/4" x 10" or up to 8" round duct
- Built-in backdraft damper and bird screen
- Steel-baked black enamel finish



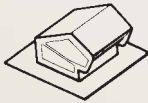
Model 634M Roof Cap

- For 6" round duct
- Includes 6" duct collar
- Built-in backdraft damper and bird screen
- Steel-baked black enamel finish



Model 636 Roof Cap

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



Transitions

Model 411 Transition

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



Model 412 Transition

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

Model 413 Transition

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

Model 472 Transition

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

Filters

Model 99010042 Aluminum Filter

- Fits Utility Ventilator Models 503, 505, 509



Model 99010271 Aluminum Filter

- Fits Utility Ventilator Models 502, 504, 508

Ducting

Model 401 Duct

- 3-1/4" x 10" duct
- 5 pcs of 2 ft. galvanized sections



Ducting Kit

Model 443 Flexible Roof Ducting Kit

- Includes aluminum roof cap
- 4" duct connector
- 2 duct clamps
- 3" to 4" duct transition
- 8 ft. of 4" flexible ducting



Model 450 Flexible Wall Ducting Kit

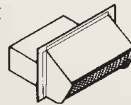
- Includes white polymeric louvered wall cap
- 4" diameter metal duct connector
- 2 duct clamps
- 3" to 4" duct transition
- 5 ft. of 4" flexible ducting



Wall Caps

Model 639 Wall Cap

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



Model 641 Wall Cap

- For 6" round duct
- Built-in backdraft damper and bird screen
- Aluminum, natural finish



Elbows

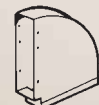
Model 428 Vertical Elbow

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



Model 429 Horizontal Elbow

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



Model 430 Short Eave Elbow

- For 3-1/4" x 10" duct
- Includes backdraft damper and grille



Ducting Accessory Selection Guide – Ventilation Fans

HOW TO USE THESE CHARTS:

- Look for your model number in the Duct Size Reference chart
- Match that model's duct size to the appropriate row in the Broan Accessory Application Matrix
- Choose your desired accessories from the choices listed

Duct Size Reference

Model Number	Duct Size	Model Number	Duct Size
QTXE050C	6"	DX90	4"
QTXE090C	6"	DX110	4"
QTXE090FLC	6"	DX50L	4"
QTXE110C	6"	DX70L	4"
QTXE110FLC	6"	EC50	3"
QTXE150C	6"	EC70	3"
QTXE150FLC	6"	655C	4"
QTRE090C	4"	164	4"
QTRE090FLC	4"	162M	4"
QTRE110C	4"	161M	–
QTRE110FLC	4"	502	3-1/4" x 10"
QTR090C	4"	503	3-1/4" x 10"
QTR090LC	4"	504	10"
QTR110C	4"	505	8"
QTR110LC	4"	508	Direct Discharge
S90M	4"	509	Direct Discharge
S130M	4"	510	–
S90H	4"	511	–
S130H	4"	512	–
741WHC	4"	331	10"
74BRC	4"	332	10"
741SNC	4"	345	–
744C	4"		

Broan Accessory Application Matrix

Duct Size	Roof Caps	Wall Caps	Ducting	Transitions
3" Round	636 443 (kit) 645 450 (kit)	640 642		
4" Round	636 443 (kit) EV100	642 450 (kit)		
6" Round	634 634M	641		411 (3-1/4" x 10")
7" Round	634			412 (3-1/4" x 10")
8" Round	634		472 (10" Rd.)	413 (3-1/4" x 10")
10" Round				472 (8" Rd.)
3-1/4" x 10"	634	639 428 429 430	401 412 (7" Rd.) 413 (8" Rd.)	411 (6" Rd.)

Wall Controls and Accessories



Model P57WN
3-Amp Electronic
Variable Speed
Control

- Positive on/off action – dial for variable selection of air speeds and sound levels
- 120V, 3A capacity
- Fits single-gang box
- Built-in radio noise suppressor
- Can be used with Broan Models 502, 503, 504, 505, 508, 509, 512, EC50, EC70, DX90, DX110



Model P66WN
Three-Function
Control

- Three independent, 120V, 15A rocker switches (20A total)
- Fits single-gang box
- For all Broan heaters and fans within amp ratings



Model P59WN
60-Minute Time
Control

- Operates continuously or for any set period up to 60 minutes
- Fits single-gang box
- 120V, 15A capacity
- 240V, 10A capacity
- For all Broan heaters and fans within amp ratings



Model P68WN
Two-Function
Control

- Two independent, 120V, 15A rocker switches (20A total)
- Fits single-gang box
- For all Broan heaters and fans within amp ratings



Model P61WN
15-Minute Time
Control

- Operates for any set period up to 15 minutes (no "continuous on" position)
- Fits single-gang box
- 120V, 15A capacity
- 240V, 10A capacity
- For all Broan heaters and fans within amp ratings 9.5



Model P77DWN
Three-Switch
Control

- Specially designed for use with SensAir® Fan/Lights
- Top switch provides three settings for fan sensor (On-Auto-Off)
- Remaining switches control light/night light
- White wall plate and switches
- Fits single-gang box



Model P63WN
60-Minute
Time Control
with Single
Rocker Switch

- Timer operates continuously or for any set period up to 60 minutes
- Separate on/off rocker switch
- Fits two-gang box
- 120V, 15A or 240V, 10A timer/15A rocker
- For all Broan heaters and fans within amp ratings



Model DH100W
Dehumidstat

- Multiple voltage 24/120/240V
- Variable setting from 20 to 80% relative humidity
- Fits single-gang box or surface mount
- For all Broan Fans



Model 64V
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 from 5 to 60 minutes after light is turned off
- Centre position bypasses timer and turns fan and light off immediately
- Fits single-gang box
- 120V, 60 cycle, 4A fan and 4A light capacity
- For use with any Broan fan or fan/light within amp ratings
- Requires hot and neutral wires in the switch box





Creating a healthy atmosphere in your home is important to us, which is why we strive so hard to provide the highest quality ventilation solutions for our customers. With unparalleled innovation and quality built into every model, our wide variety of ventilation fans will add value to your home without compromising style.





Ventilation Fan Specifications


	Model No.	Description	CFM	Sones	Grille Size	Housing (L x W x H)	Duct
	QTXE050C	Fan	50	< 0.3	14" x 15"	11-1/4" x 10-3/8" x 7-5/8"	6" Round
	QTXE090C	Fan	90	0.7	14" x 15"	11-1/4" x 10-3/8" x 7-5/8"	6" Round
	QTXE090FLC	Fan/Light/Night Light	90	0.7	13-3/8" x 14-1/4"	11-1/4" x 10-3/8" x 7-5/8"	6" Round
	QTXE110C	Fan	110	1.1	14" x 15"	11-1/4" x 10-3/8" x 7-5/8"	6" Round
	QTXE110FLC	Fan/Light/Night Light	110	1.1	13-3/8" x 14-1/4"	11-1/4" x 10-3/8" x 7-5/8"	6" Round
	QTXE150C	Fan	150	1.4	14" x 15"	11-1/4" x 10-3/8" x 7-5/8"	6" Round
	QTXE150FLC	Fan/Light/Night Light	150	1.4	13-3/8" x 14-1/4"	11-1/4" x 10-3/8" x 7-5/8"	6" Round
	QTRE090C	Fan	90	1.0	13" x 14"	11-1/4" x 10-3/8" x 7-5/8"	4" Round
	QTRE090FLC	Fan/Light/Night Light	90	1.0	12-3/8" x 14"	11-1/4" x 10-3/8" x 7-5/8"	4" Round
	QTRE110C	Fan	110	1.5	13" x 14"	11-1/4" x 10-3/8" x 7-5/8"	4" Round
	QTRE110FLC	Fan/Light/Night Light	110	1.5	12-3/8" x 14"	11-1/4" x 10-3/8" x 7-5/8"	4" Round
QTR	QTR090C	Fan	90	1.0	13" x 14"	11-1/4" x 10-3/8" x 7-5/8"	4" Round
	QTR090LC	Fan/Light/Night Light	90	1.0	12-3/8" x 14"	11-1/4" x 10-3/8" x 7-5/8"	4" Round
	QTR110C	Fan	110	1.5	13" x 14"	11-1/4" x 10-3/8" x 7-5/8"	4" Round
	QTR110LC	Fan/Light/Night Light	110	1.5	12-3/8" x 14"	11-1/4" x 10-3/8" x 7-5/8"	4" Round
Sensing Control	S90M	Motion Sensor	90	2.5	11-1/2" Square	9-1/2" x 9-1/4" x 7-5/8"	4" Round
	S130M	Motion Sensor	130	3.5	11-1/2" Square	9-1/2" x 9-1/4" x 7-5/8"	4" Round
	S90H	Humidity Sensor	90	2.5	11-1/2" Square	9-1/2" x 9-1/4" x 7-5/8"	4" Round
	S130H	Humidity Sensor	130	3.5	11-1/2" Square	9-1/2" x 9-1/4" x 7-5/8"	4" Round
Designer	741WHC	Gloss White	70	3.5	13-5/16" Round	8-1/4" x 8" x 5-3/4"	4" Round
	741BRC	Polished Brass	70	3.5	13-5/16" Round	8-1/4" x 8" x 5-3/4"	4" Round
	741SNC	Satin Nickel	70	3.5	13-5/16" Round	8-1/4" x 8" x 5-3/4"	4" Round
	744C	Recessed Fan/Light	70	2.0	7-3/8" Round	12-3/4" x 8-1/4" x 6-3/4"	4" Round
Deluxe	DX90	Fan	90	2.5	11-1/8" x 10-5/8"	8-1/4" x 8" x 5-3/4"	4" Round
	DX110	Fan	110	4.0	11-1/8" x 10-5/8"	8-1/4" x 8" x 5-3/4"	4" Round
	DX50L	Fan/Light	50	2.5	11-1/8" x 10-5/8"	8-1/4" x 8" x 5-3/4"	4" Round
	DX70L	Fan/Light	70	3.5	11-1/8" x 10-5/8"	8-1/4" x 8" x 5-3/4"	4" Round
Economy	EC50	Fan	50	3.0	9-5/8" x 8-5/8"	8-1/16" x 7-3/8" x 3-7/8"	3" Round
	EC70	Fan	70	5.5	9-5/8" x 8-5/8"	8-1/16" x 7-3/8" x 3-7/8"	3" Round
Heater	655C	Heater/Fan/Light	70	4.0	16-3/4" x 10-5/8"	14-1/4" x 8-1/4" x 5-3/4"	4" Round
	164	Two-Bulb Heater/Fan	70	3.5	15-5/8" x 10-1/4"	14-1/4" x 8-3/8" x 6-3/8"	4" Round
	162M	One-Bulb Heater/Fan	70	3.5	10-1/4" Square	8-1/8" x 8-3/8" x 6-3/8"	4" Round
	161M	One-Bulb Heater	—	—	10-1/4" Square	8-1/8" x 8-3/8" x 6"	—
Utility Fan	502	Wall/Ceiling	270	8.0	13 1/2" Square	16-3/4" x 13-7/8" x 3-1/4"	3-1/4" x 10"
	503	Wall/Ceiling	160	5.0	11-1/2" Square	14" x 12" x 3-1/4"	3-1/4" x 10"
	504	Ceiling/Vertical Discharge	350	6.5	13 1/2" Square	10-1/4" Round x 7" H	10" Round
	505	Ceiling/Vertical Discharge	180	6.5	11-1/2" Square	8-1/4" Round x 7" H	8" Round
	508	Wall	270	6.0	13-1/2" Square	10-3/8" Round	Direct Discharge
	509	Wall	180	6.5	11-1/2" Square	8-3/8" Round	Direct Discharge
	510	Room-to-Room	380	6.5	13-1/2" Square	11-1/2" Square	—
	511	Room-to-Room	180	3.5	13-1/2" Square	11-1/2" Square	—
Blowers	512	Room-to-Room	90	3.5	8" Round	6" Round	—
	331	Exterior Blower	600	—	—	—	10" Round
	332	Exterior Blower	900	—	—	—	10" Round
	345	Attic Ventilator	1200	—	—	23-3/16" Round x 7-7/8" H	—

Quality and Style. Home Ventilation  *clears up foggy windows*



and steamy mirrors. Range Hoods  *complement your decor*

while ventilating your kitchen. Central Vacuums  *provide quiet*


performance with optimum cleaning. Door Chimes  *announce all*

your visitors with style. Electric Furnaces  *distribute heat throughout*

your home. Intercoms  *let you communicate with a push of a*

button. Speakers  *create a home theatre room. Ironing Centres* 

simplify pressing with fold-away convenience. Attic Fans  *control*

temperatures in non-vented areas. Heaters  *add warmth in drafty*

areas. Trash Compactors  *minimize waste. Thermostats* 

maintain heat at desired settings. Throughout our Full Line of Products.

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