Ventilation Solutions
Bathrooms

fantech®

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We give you choices

Designing a bath involves many decisions that will ultimately affect its look and function, whether it be a busy family bathroom or a small guest bath with limited space. Or, maybe, you're going all out for that ultra-modern bath retreat with all the amenities.

No matter what style bath you're designing, one thing remains the same - the need for proper ventilation.

And who better to offer you the perfect ventilation solution than Fantech? For more than two decades our quiet ventilating fans have protected bathrooms from the damaging effects of mold and mildew without disturbing your peace and quiet.

Fantech Premium Bath

- Unobtrusive, quiet and efficient
- Superior CFM at higher static pressure
- Rated for continuous duty
- 100% speed controllable
- For use with recommended FIDT flexible
- 7 year warranty

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Fans

duct

Quiet Solutions

This symbol identifies the notable lack of audible fan noise compared to even the lowest Sone surface mount solutions on the market*. We are proud to offer our customers a smarter, quieter way to ventilate one or multiple bathrooms.

Energy-Saving Fans

Fantech is proud partner with ENERGY STAR ® to provide energy efficient bath ventilation products for your home.

- 2.8 CFM/Watt motor efficiency
- Use 70% less energy than conventional models
- Compatible with controls for more savings

* No standard for testing of remote mount bath fans exists.

PB 270L-2
Premium Bathroom Exhaust Fan
with Dual Grilles & LED Bulbs

Insulated Flexible Duct
FIDT 4

A Bathroom with a quiet ventilating fan

As the trend to larger spa-like bathrooms continues to gain popularity,
the need for proper ventilation becomes more important. Quick removal of
moisture at the source will keep your beautiful bath free of mold and the
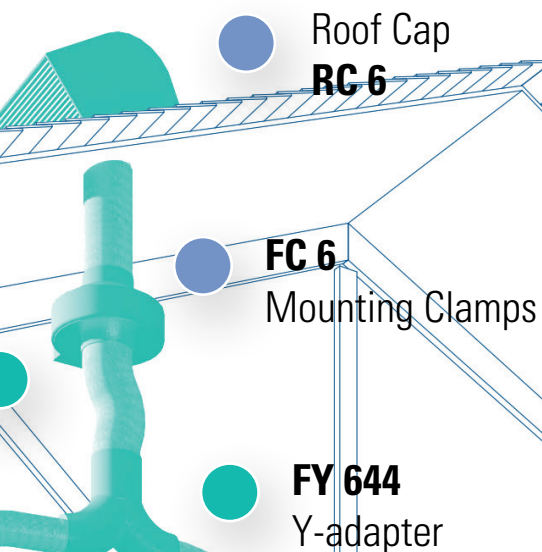effects of extreme moisture.

Our Premium Bath Fans with their remote mounted fan can effectively ventilate
several areas of the bath. Ceiling Grilles with or without lights can be easily
positioned over showers, whirlpool tubs, steam showers, toilet and vanity. The
PB Series fans are designed for intermittent or continuous operation to meet
ASHRAE Standard 62.2.

To learn more about our quiet ventilating fans, please read on or follow us
on **www.fantech.net**

VT 20M
Main Control

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Roof Cap
RC 6

FC 6
Mounting Clamps

FY 644
Y-adapter

Part of a Premium
Bath Fan kit

Recommended
accessories

A simple tip to help you size
a fan for your bath

IF YOUR BATHROOM IS 100 SQ.FT. OR SMALLER

According to the guidelines of HVI (Home Ventilating
Institute) baths that are 100 sq.ft. or smaller require
1 CFM per square foot of bathroom or a minimum
50 CFM of fresh airflow. To find the square footage
simply multiply the length of the bath by the width.
For proper airflow in typical installations (when
duct losses aren't calculated), use the 0.4" P_s (static
pressure) rating point for correct fan selection.

IF YOUR BATHROOM IS OVER 100 SQ.FT.

Ventilation for baths over 100 sq.ft. is calculated
based on the fixtures in the bath. Allow 50 CFM for
each standard toilet, shower or tub. Whirlpool and
jetted tubs are calculated at 100 CFM. Add up the
CFMs for all fixtures and you will have calculated the
total CFMs required.

We recommend that steam showers use a separate
fan on a timer so that the fan may be shut off during
shower use and then run afterward to dry the
shower stall.

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PB Series - Premium Bath Fans
Single grilles

Clear the air in smaller baths and powder rooms

Unlike standard exhaust fans, the motor of a Fantech fan mounts in a location away from the living area such as an attic. Small unobtrusive ceiling grilles, with or without lights can be mounted in multiple locations over the shower, the toilet and/or the tub, then ducted to the remote fan to quickly and efficiently whisk away moisture, steam and odors. One fan can also be used to ventilate multiple bathroom grilles. It's an ideal solution for back to back bathrooms or large multi-room master bath suites.

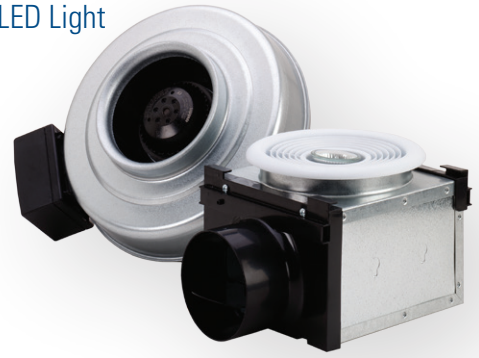### PB 110 (PB 190) Premium Bath Fan
with one Ceiling Grille

110 CFM (190 CFM) fan, one ceiling grille and grille housing with damper. Uses 4" (6") duct. ENERGY STAR ® qualified. UL Listed for wet locations.

PB 110L Premium Bath Fan
with Dimmable LED Light

NEW

110 CFM fan, one ceiling grille with LED light, grille housing with damper, 7W dimmable LED bulb. Uses 4" duct. UL Listed for damp locations.
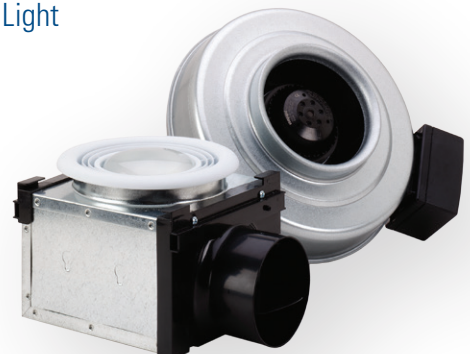
PB 110H Premium Bath Fan
with Dimmable Halogen Light

110 CFM fan, one ceiling grille with light, grille housing with damper, 50W halogen bulb. Uses 4" duct. UL Listed for wet locations.

PB 110F (PB 110F-ES*) Premium Bath Fan
with Fluorescent Light

110 CFM fan, one ceiling grille with light, grille housing with damper, 14W (15W) instant-on, fluorescent bulb. Uses 4" duct. UL Listed for wet (damp) locations. *ENERGY STAR ® qualified.

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Ventilation solution
for remodeling

BFRK Series
Bath Fan Retrofit Kit

At Fantech we believe that the noise of the fan should not make a statement in your bathroom. It should be unobtrusive, work quietly and efficiently. Convert your existing noisy exhaust fan with our simple to install, simple to maintain bathroom retrofit kit. That's simply better®.

Fantech`s retrofit kit includes everything you need:

- 110 cfm ENERGY STAR® rated inline fan with a mounting bracket
- VT 20M Main Control
- Insulated 4" flex duct
- Duct adapters 3" to 4"
- Roll of duct tape
- Electrical wire & wire connectors
- Cable restraints

#412022, 11 lbs, Class 1

Scan this code to watch the Installation Video on the YouTube channel **fantechusa**

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PB Series - Premium Bath Fans
Dual grilles

The key for clean oversized baths is spot ventilation

As the trend to larger spa-like bathrooms continues to gain in popularity, the need for proper ventilation becomes more important. Quick removal of large volume of heat and humidity at the source will keep your beautiful bath free of mold and the effects of extreme moisture. Premium Bath Fans with dual grilles with a remote mounted fan motor can effectively ventilate several areas of the bath or several bathrooms, whirlpool tubs, steam showers, toilets.

PB 270-2 (PB 370-2) Premium Bath Fan
with Dual Grille

270 CFM (370 CFM) fan, two ceiling grilles, two grille housings with dampers and 4"x4"x6" (6"x6"x6") Y-adapter. Uses 4", 6" ducts. ENERGY STAR ® qualified. UL Listed for wet locations.

PB 270L-2 Premium Bath Fan
with Dual Grille and Dimmable LED Light

NEW

270 CFM fan, two ceiling grille with LED light, two grille housings with dampers, two 7W dimmable LED bulbs and 4" x 4" x 6" Y-adapter. Uses 4", 6" ducts. UL Listed for damp locations.

PB 270H-2 Premium Bath Fan
with Dual Grilles and Dimmable Halogen Light

270 CFM fan, two ceiling grilles with lights, two grille housing with dampers, two 50W halogen bulbs & Y-adapter (4" x 4" x 6"). Uses 4" and 6" ducts. UL Listed for wet locations.

PB 270F-2 (PB 270F-2ES*)Premium Bath Fan
with Dual Grilles and Fluorescent Light

270 CFM fan, two ceiling grilles with lights, two grille housings, two 14W (15W) fluorescent bulbs & 4"x4"x6" Y-adapter. Uses 4", 6" ducts. UL listed for wet (damp) locations. *ENERGY STAR ® qualified

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DO YOU SEE ANY RIVETS ON THIS FAN?

NEITHER DO WE. THAT'S WHY IT NEVER LEAKS.

We all know that rivets will leak air. Our unique manufacturing process guarantees that no rivets are necessary and ensures an airtight seal. The result? Stale air, odors and humidity leave the bathroom not the fan.

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PB Series - Premium Bath Fans
Combination of Dual Grilles

Multiple options, same great performance

Combo units include one exhaust fan, one lit and one unlit ceiling grille. A single model number provides the exact bath fan components needed for a dual location exhaust system. Want to add an additional exhaust location? Just choose an additional ceiling grille with or without a light to turn your one or two location bath fan into a powerful multiport system.

PB 270FV-2 (PB 270FV-2ES*)
Premium Bath Fan with one Ceiling Grille and Fluorescent Light

270 CFM fan, one ceiling grille with light, one vent-only ceiling grille, two grille housings with dampers, 14W (15W) fluorescent bulb and 4"x4"x6" Y-adapter. Uses 4", 6" ducts. UL Listed for wet (damp) locations.
*ENERGY STAR® qualified.

PB 270HV-2
Premium Bath Fan with one Ceiling Grille and Halogen Light

270 CFM fan, one ceiling grille with light, one vent-only ceiling grille, two grille housings with dampers, 50W Halogen bulb and 4"x4"x6" Y-adapter. Uses 4", 6" ducts. UL Listed for wet locations.

PB 270LV-2
NEW
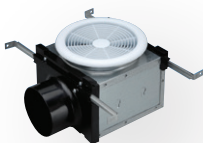Premium Bath Fan with one Ceiling Grille and Dimmable LED Light

270 CFM fan, one ceiling grille with 7W LED light, one vent-only ceiling grille, two housings with dampers and 4"x4"x6" Y-adapter. Uses 4", 6" ducts. UL Listed for damp locations.
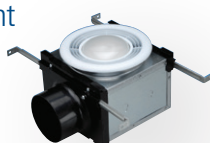
PBV 4 (PBV 6)
Ceiling Grille Vent

Includes damper, four hanger bars. Fits between 2" x 6" construction. PBV 4 model for use with PB110 and PB270 Series. PBV 6 for use with PB 370 fan.
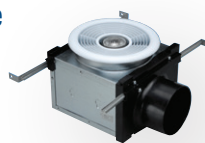
PBF 4 (PBF 4-ES*)
Ceiling Grille with Fluorescent Light

Includes damper, four hanger bars and 14W (15W) instant-on fluorescent bulb. Fits between 2" x 6" construction. For use with PB 110 and PB 270 Series.
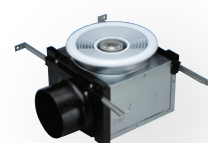*ENERGY STAR® qualified.

PBL 4
Ceiling Grille with Dimmable LED Light

Includes damper, four hanger bars and 7W Dimmable LED bulb. Fits between 2" x 6" construction. For use with PB 110L, PB 270L-2 and PB 270 LV-2 fans.

PBH 4
Ceiling Grille with Halogen Light

Includes damper, four hanger bars and 50W halogen bulb. Fits between 2" x 6" construction. For use with PB 110H, PB 270H-2 and PB 270HV-2 fans.

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PBW Series - Premium Bath Fans
Exterior Wall Mount

No where to exhaust a fan?

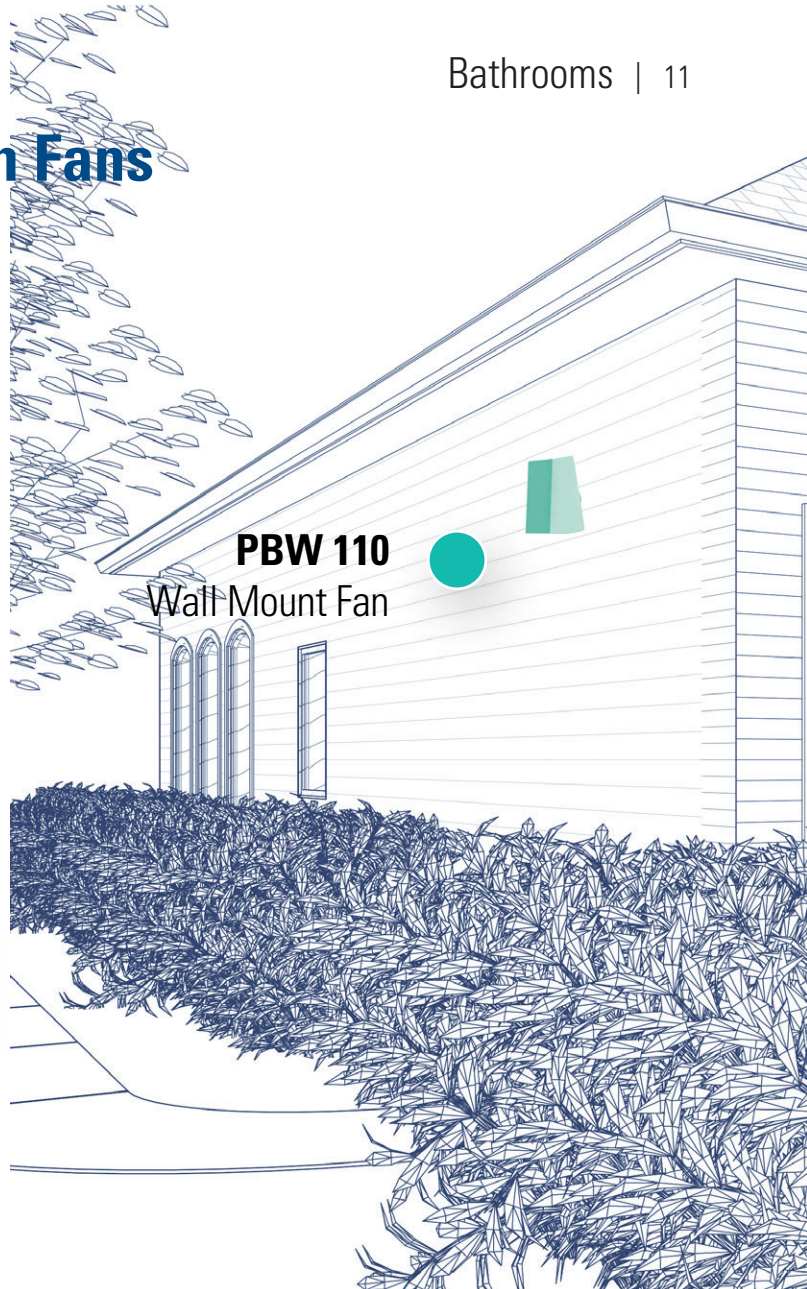Do you have a bathroom that needs to exhaust straight through a wall?
The fan mounts on the side of the home and connects to your grille.
A very easy solution to a very annoying problem.

PBW 110
Wall Mount Fan

PBW 110 Exterior Wall Mount Premium Bath Fan
with one Ceiling Grille

120 CFM fan, one ceiling grille and grille housing with damper. Uses 4" duct.

PBW 110H Exterior Wall Mount Premium Bath Fan
with Dimmable Halogen Light

120 CFM fan, one ceiling grille with light, grille housing with damper, 50W halogen bulb. Uses 4" duct.

PBW 110F Exterior Wall Mount Premium Bath Fan
with Flourescent Light

120 CFM fan, one ceiling grille with light, grille housing with damper, 14W instant-on, flourescent bulb. Uses 4" duct.

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Ventech
Programmable Fan Control

PBL 4
Ceiling Grille with
Dimmable LED Light

A small energy-saving revolution

Who would think that such a small thing like controls would create an air quality revolution in bathrooms? Well, they have. Programmable controls and timers provide a cost-effective way to let the ventilating fan run after use to improve bathroom comfort within a couple of minutes and keep the space free of mold and moisture. Settings can be customized to provide the required amount of ventilation to fit your needs and lifestyle.

It may sound like it's too good to be true. But it's not. Controls give you a completely new way to manage daily ventilation in your bathrooms, while saving money on lower energy bills. Shouldn't that be an everyday revolution?

VT 20M
Main Control

- Infinite Speed Control can be set so ventilation fan runs at any speed between 0-100%
- Programmable Timer – run-time adjustable from 0-60 minutes per hour
- High Speed 20 minute boost activated by pressing touch pad on main unit (or any auxiliary unit). Blue LED illuminates on all units when high speed boost is activated.
- Intermittent or continuous ventilation

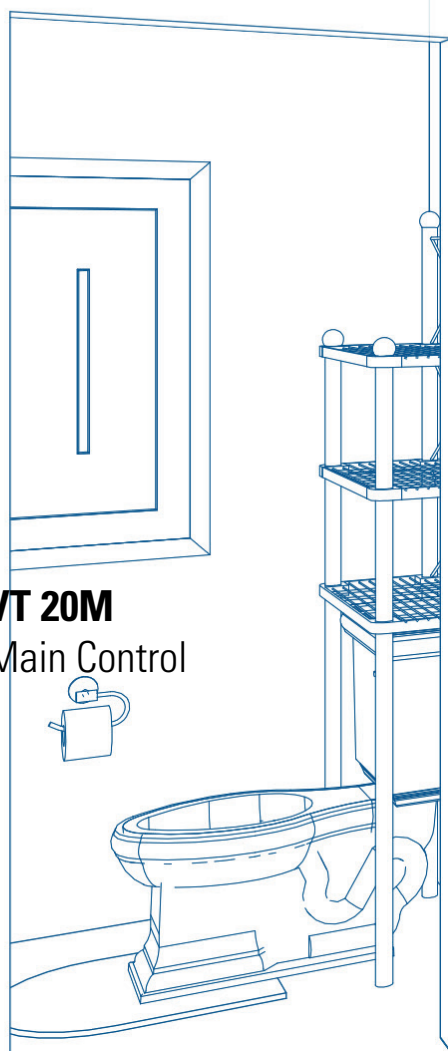Item # 45386, Class 1

VT 20A
Auxiliary Control

- When touch pad on Auxiliary Control is pressed, a blue LED light illuminates on all units and fan runs at high speed for 20 minutes.
- Use up to three Auxiliary Controls with one Main Control

Item # 45385, Class1

VT 20M
Main Control

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FQ 80
Quiet Ventilating Fan

UPC # 83737 2

The FQ Series quiet ventilating fans with or without lights provides remarkably quiet, energy efficient ventilation for baths, powder rooms and other areas.

Selection Guide

Premium Bath Fans with Ceiling Grilles

| Model	Duct size	Rated power @ 0.2" Ps	Voltage / phase	0.2" Ps	0.4" Ps	CFM per Watt @ 0.2" Ps	ENERGY STAR® Qualified	Lamp	Fan Dimensions		Shipping weight	Item #	7 Year Warranty
	inch	W	V / ~	cfm					W (inch)	inch (H)	lbs		
PB 110	4	21	120 / 1	110	83	5.5	Yes	-	8 $3/4$	6 $1/2$	9	40568	Yes
PB 190	6	69	120 / 1	200	152	3.0	Yes	-	11 $3/4$	6	14	40571	Yes
PB 270-2	4/6	74	120 / 1	270	232	3.75	Yes	-	11 $3/4$	6	17	40572	Yes
PB 370-2	6	122	120 / 1	370	317	3.1	Yes	-	13 $1/8$	6 $5/8$	32	45433	Yes
PBW 110	4	19	120 / 1	112	83	6.3	Yes	-	10 $1/4$	13	12	412256	Yes

Premium Bath Fans with Ceiling Grilles and Lights

Model	Duct size	Rated power @ 0.2" Ps	Voltage / phase	0.2" Ps	0.4" Ps	CFM per Watt @ 0.2" Ps	ENERGY STAR® Qualified	Lamp	Fan Dimensions		Shipping weight	Item #	7 Year Warranty
	inch	W	V / ~	cfm					inch (W)	inch (H)	lbs		
PB 110L	4	21	120 / 1	110	83	5.5	-	7W (PBB7)	8 $3/4$	6 $1/2$	11	44917	Yes
PB 110F-ES PB 110F	4	23	120 / 1	110	83	5.5	Yes -	15W (PBB15ES) 14W (PBB14)	8 $3/4$	6 $1/2$	11	47567 40569	Yes
PB 110H	4	23	120 / 1	110	83	5.5	-	50W (PBB50)	8 $3/4$	6 $1/2$	10	40570	Yes
PBW 110H	4	23	120 / 1	112	83	6.3	-	50W (PBB50)	10 $1/4$	13	12	412257	Yes
PBW110F	4	23	120/ 1	112	83	6.3	-	14W (PBB14)	10 $1/4$	13	12	412259	Yes
PB 270L-2	4/6	78	120 / 1	270	198	3.75	-	7W (PBB7)	11 $3/4$	6	18	44918	Yes
PB 270F-2ES PB 270F-2	4/6	78	120 / 1	270	232	3.75	Yes -	15W (PBB15ES) 14W (PBB14)	11 $3/4$	6	19	47568 40573	Yes
PB 270H-2	4/6	78	120 / 1	270	198	3.75	-	50W (PBB50)	11 $3/4$	6	17	40574	Yes
PB 270FV-2ES PB 270FV-2	4/6	78	120 / 1	270	232	3.75	Yes -	15W (PBB15ES) 14W (PBB14)	11 $3/4$	6	18	47569 40575	Yes
PB 270LV-2	4/6	78	120 / 1	270	232	3.75	-	7W (PBB7)	11 $3/4$	6	18	44919	Yes
PB 270HV-2	4/6	78	120 / 1	270	232	3.75	-	50W Halogen (PBB50)	11 $3/4$	6	18	40576	Yes

FQ Series – Quiet Ventilating Fans

Model	Duct size	Rated power @ 0.2" P_s	Voltage / phase	0.1" P_s	0.2" P_s	0.3" P_s	0.4" P_s	Lamp power (Main/Night)	ENERGY STAR® Qualified	Sones	Shipping weight	Item #	5 Year Warranty
	inch	W	V / ~		cfm			W CFL			lbs		
FQ 80	4	25	120 / 1	80	68	56	43	-	Yes	<0.3	12	483737	Yes
FQ 80FL	4	25	120 / 1	80	73	60	47	26/4	-	0.4	14	483739	Yes
FQ 110	4	30	120/1	110	100	85	70	-	Yes	0.7	13	483738	Yes
FQ 110FL	4	30	120/1	110	100	85	70	26/4	-	1.3	14	483740	Yes

Expansion Grilles with Housings and Dampers

Model	Duct size	Housing Dimensions	Lamp	Shipping weight	Item #
	inch	inch (L x W x H)		lbs	
PBF 4 ES / PBF 4	4	7 $\frac{3}{16}$ x 7 $\frac{3}{16}$ x 5 $\frac{5}{16}$	15W (PBB15ES) 14W (PBB14)	4	47582 412263
PBH 4	4	7 $\frac{3}{16}$ x 7 $\frac{3}{16}$ x 5 $\frac{5}{16}$	50W Halogen (PBB50)	4	412262

Model	Duct size	Housing Dimensions	Lamp	Shipping weight	Item #
	inch	inch (L x W x H)		lbs	
PBL 4	4	7 $\frac{3}{16}$ x 7 $\frac{3}{16}$ x 5 $\frac{5}{16}$	7W (PBB7)	4	44920
PBV 4 / PBV 6	4 / 6	7 $\frac{3}{16}$ x 7 $\frac{3}{16}$ x 5 $\frac{5}{16}$ / 8 x 8 x 7 $\frac{1}{8}$	-	4	412260 412261

The Compact Fluorescent bulb used in Fantech Premium Bath Fans has a color temperature of 2700 Kelvin and CRI of 81.
Need replacement bulbs? Order PBB7 (#44916), PBB14 (#45155), PBB15ES (#47566), PBB50 (#45156).

Other accessories and controls

Model	Duct size	Weight	Item #
	inch	lbs	
FIDT 4*	4	7	411061
FIDT 6*	6	9	411062

Model	Duct size	Weight	Item #
	inch	lbs	
FQ FD	-	2	46975
FC 4 / FC 6	4 / 6	1	411295 411120

Model	Duct size	Weight	Item #
	inch	lbs	
RC 4	4	2	411310
RC 6	6	3	411312

Model	Max Amp	Weight	Item #
	A	lbs	
FLD 60	20	1	411388
FD 60EM	20	1	411386

* We recommend to use of the insulated flex duct with our Premium Bathroom Fans.

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