



EcoVent® Ventilation Fan



Single Pack

FV - 0709VB1: Fan Housing with Motor/Grille

Contractor Pack

FV-07VBA1A: Fan Housing

FV-07VBB1: Motor/Grille Assembly



HEALTHY AIR, HEALTHY HOME

True Flow ratings at **0.375"** static pressure provide powerful CFM output to assure code compliant, healthy homes.

EcoVent

- Ideal for new residential construction (High Performance / ENERGY STAR® Single Family Production Builders and Manufactured Housing)
- The only 2-speed 70/90 CFM spot ventilation fan on the market (assures code compliance)
- The most cost effective 90 CFM, code compliant spot ventilation solution
- Delivers a true flow rating of 56 CFM at 0.375" static pressure (when set at the 90 CFM setting)
- Provides Ventilation Verification Assurance: ≥50 CFM Installed Performance
- Junction box and duct adapter come pre-attached to the housing can
- Housing and motor / grille assembled and packed into a single package
- Housing and motor / grille packaged separately in contractor pack

ADDITIONAL BENEFITS

- Small grille design complements the aesthetics of your bathroom, powder room or laundry room
- Built-in metal flange provides blocking for penetrations through drywall as an air barrier, and assists with the decrease in leakage in the building envelope during blower door testing
- 4" duct adapter
- UL listed for tub/shower enclosure when used with a GFCI protected circuit
- Can be used to comply with ASHRAE 62.2 and ENERGY STAR for Homes 3.0
- 3 year warranty

* Industry research indicates static pressure in typical installations ranges from 0.20" to 0.375".



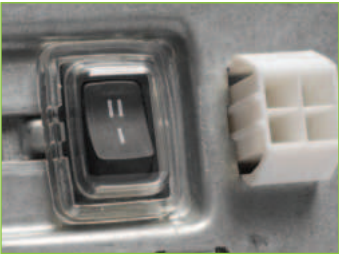
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It's all about Powerful Airflow

THE MOST COST EFFECTIVE 90 CFM FAN ON THE MARKET, CODE COMPLIANT SPOT VENTILATION SOLUTION

EcoVent® is the most cost effective 90 CFM fan on the market. Ideal solution for builders looking for a cost effective, ENERGY STAR® rated fan that not only delivers powerful CFM output, but peace of mind during verification testing. So choose the powerful, eco-friendly solution that delivers the performance you need, from a company who sets the standard for quality and value.



Two Speed 70/90 CFM selector
I = 70 CFM • II = 90 CFM

TWO SPEED 70/90 CFM SELECTOR

Raters are now verifying the airflow of installed ventilation fans prior to certifying that they meet ASHRAE 62.2, ENERGY STAR 3.0 for Homes, CA Title 24, CALGreen and most Green Building programs. With so many fans on the market failing to deliver designed airflow, you need to spare yourself the hassle of having to rip out an under-performing fan and replace it. EcoVent's built-in with a Two Speed 70/90 CFM selector provides the CFM output you need to assure the fan meets designed airflow requirements and provides Ventilation Verification Assurance: ≥50 CFM Installed Performance.

SMALL GRILLE DESIGN

The EcoVent grille is a smaller footprint (roughly 46% smaller) than comparable ESTAR fans. This design complements the aesthetics of your room by minimizing visual clutter on the ceiling. This makes EcoVent® an ideal solution for the bathroom, powder room or laundry room area.

ECOVENT® IS OFFERED IN TWO CONVENIENT PACKS:

- Single pack:** Housing and motor/grille assembly are packaged together. This easy-to-manage package design allows contractors the convenience of having multiple components assembled in one box.
- Contractor pack:** Housing and motor/grille assembly are packaged separately. This easy-to-manage package design allows contractors to store the components separately without fear of parts getting lost or damaged on site.



4" Duct, 70/90 CFM
(Fits in 2" x 6" construction)

ECOVENT SINGLE PACKAGE

Model #	Description	Contents	Master Pack
FV-0709VB1	Fully Assembled into one box	Housing Can, Duct Adapter, Junction Box, Motor & Grille	1

OPTIONAL ECOVENT UNIVERSAL CAN CONTRACTOR PACKS

Model #	Description	Contents	Master Pack*
FV-07VBA1A	Universal Housing Can	Housing Can, Duct Adapter & Junction Box	4
FV-07VBB1	Motor/Grille Assembly	Motor & Grille	4

*Must order in quantities of 4, shipment will contain 1 box with 4 pieces of each item.





Balometer used to verify installed performance

PANASONIC SOLUTIONS PROVIDE VENTILATION VERIFICATION ASSURANCE

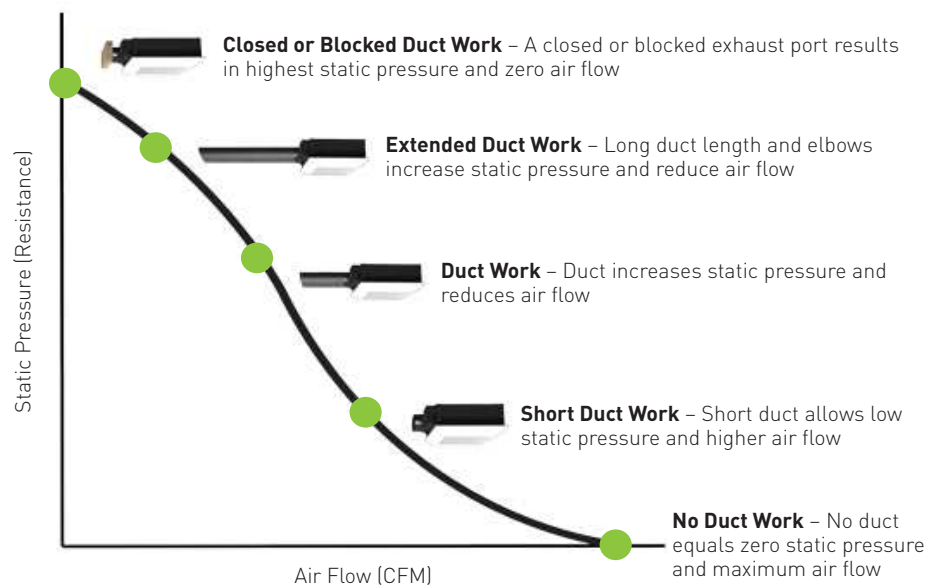
Measured Performance

Compliance with ASHRAE 62.2, the national ventilation standard, is now required for ENERGY STAR® for Homes 3.0

ENERGY STAR 3.0 HVAC SYSTEM QUALITY INSTALLATION RATER CHECKLIST:

- ✓ Measured ventilation rate is within 100-120% of HVAC contractor design value
- ✓ Rater shall measure ventilation and exhaust air flow using a flow hood, flow grid, anemometer or substantially equivalent method in accordance with AABC, NEBB or ASHRAE procedures
- ✓ **Intermittent bath fan measured air flow requirement ≥ 50 CFM**
- ✓ Continuous supply and exhaust fans rated at 1.0 sones or less
- ✓ Exhaust-only whole-house mechanical ventilation system must be verified that the fan turns on automatically, without homeowner intervention
- ✓ All ventilation fans must be verified as ENERGY STAR certified

STATIC PRESSURE GRAPH

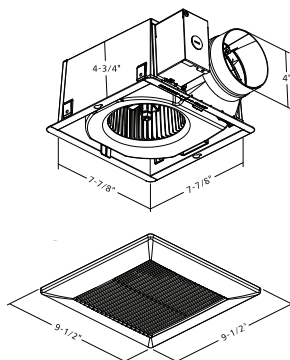




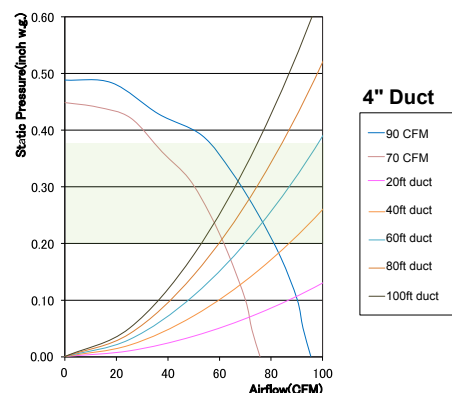
**FV - 0709VB1 /
FV-07VBA1A + FV-07VBB1**

Industry research indicates static pressure in typical installations ranges from 0.20" to 0.375".

FV - 0709VB1 / FV-07VBA1A+FV-07VBB1



FV - 0709VB1 / FV-07VBA1A+FV-07VBB1



EcoVent

SPECIFICATIONS		FV - 0709VB1 / FV-07VBA1A+FV-07VBB1					
Characteristics (HVI tested data for 0.1" S.P.)	Fan Setting	Standard Speed			High Speed		
	Static Pressure in inches w.g.	0.1	0.25	0.375	0.1	0.25	0.375*
	Air Volume (CFM)	70	56	34	90	75	56
	Noise (sones)	0.7	1.3	-	1.5	1.5	-
	Power Consumption (watts)	17.8	17.2	-	22.0	21.4	-
	Energy Efficiency (CFM/Watt)	3.5	2.8	1.7	3.8	3.1	2.3
	Speed (RPM)	907	1200	1425	1019	1266	1450
	Current (amps)	0.15	0.14	0.15	0.19	0.18	0.17
	MAX. Current(amps)	0.25					
	Power Rating (V/Hz)	120/60					
Specifications	Motor Type	AC					
	Type of Motor Bearing	Ball					
	Thermal Fuse Protection	Yes					
	Blower Wheel Type	Sirocco					
	ENERGY STAR Qualified	Yes					
Installation	Duct Diameter (Inches)	4					
	Mounting Opening (Inches sq.)	7-7/8					
	Grille Size (Inches sq.)	9-1/2					
Approved Code/ Standard/Regulation	UL tub/Shower Enclosure	Yes					
	Washington VIAQ Code	Yes					
	Wall installation	No					
	California Title 24 Compliant	Yes					
	Mfg in ISO 9001 Certified Facility	Yes					

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