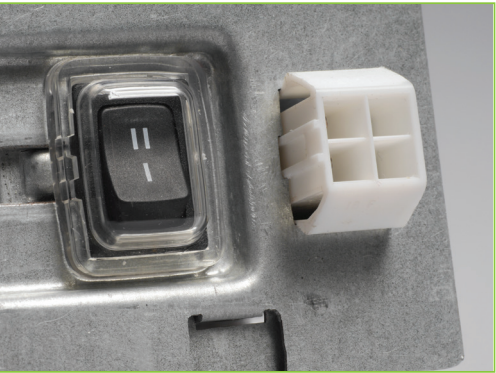


COST-EFFECTIVE 90 CFM FAN
OFFERS CODE COMPLIANT, SPOT
VENTILATION SOLUTION

EcoVent® fan is a cost-effective, 90 CFM solution for builders looking for an ENERGY STAR-rated fan that not only delivers powerful CFM output, but also 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.



Pick-A-Flow® 70/90 CFM
I = 70 CFM • II = 90 CFM

PICK-A-FLOW® 70/90 CFM

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® fans built-in with a Pick-A-Flow® 70/90 CFM provides the CFM output you need to assure the fan meets designed airflow requirements and provides Ventilation Verification Assurance: ≥50 CFM installed performance.



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

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 or wall. This makes the EcoVent® fan an ideal solution for the bathroom, powder room or laundry room area.



THE ECOVENT® FAN 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.

ECOVENT® SINGLE PACKAGE

Model #	Description	Contents	Master Pack
FV-0709VB1	Fully Assembled into one box	Housing Can, Duct Adapter, Junction Box, Motor & Grille	1
FV-0709VBL1	Fully Assembled into one box	Housing Can, Duct Adapter, Junction Box, Motor & LED Grille, Master Pack 1	1

OPTIONAL FAN ONLY ECOVENT® UNIVERSAL HOUSING 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. Multi-packs are only available with the Fan only model.



EcoVent® Ventilation Fans



Fan Only Model

FV-0709VB1: Fan Housing with Motor/Grille

Fan/Light Model

FV-0709VBL1: Fan Housing/LED Light with Motor/Grille

Contractor Pack (Fan Only)

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)
- Two-speed 70/90 CFM spot ventilation fan designed to help assure code compliance
- A cost-effective 90 CFM, code-compliant, spot ventilation solution
- Lighted model (FV-0709VBL1), includes a 10-watt dimmable LED chip panel offering a 3000 kelvins warm white color and 800+ lumens for a 50,000-hour rated average life plus a less than 1-watt LED night-light (must be wired separately)
- 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 (FV-0709VB1)
- 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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ventfans@us.panasonic.com

ECOVENT® PRODUCT SPECIFICATIONS



Type		Non-Lighted						Lighted			
Model		FV-0709VB1 / FV-07VBA1A+FV-07VBB1						FV-0709VBL1			
Characteristics (HVI tested data for 0.1" S.P.)	Fan Setting	Standard Speed 70 CFM			High Speed 90 CFM			Standard Speed 70 CFM		High Speed 90 CFM	
	Static Pressure in inches w.g.	0.1	0.25	0.375	0.1	0.25	0.375*	0.1	0.25	0.1	0.25
	Air Volume (CFM)	70	56	34	90	75	56	70	56	90	75
	Noise (sones)	0.7	1.3	-	1.5	1.5	-	0.8	1.5	1.5	2
	Power Consumption (watts)	17.8	17.2	-	22.0	21.4	-	18.5	17.9	23.1	22.5
	Energy Efficiency (CFM/Watt)	3.5	2.8	1.7	3.8	3.1	2.3	3.7	3.0	3.8	3.3
	Speed (RPM)	907	1200	1425	1019	1266	1450	995	1267	1115	1338
	Current (amps)	0.15	0.14	0.15	0.19	0.18	0.17	0.15	0.15	0.20	0.19
	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" x 7-7/8"									
	Grille Size (Inches sq.)	9-1/2" x 9-1/2"									
Light Specifications	Lamp Watts	-					10				
	Lumens (lm)	-					800 +				
	Lumens Per Watt (LPW)	-					>72				
	Color Rendering Index	-					90				
	Color Temperature (Kelvin)	-					3000 Warm White				
	Rated Life (hours)	-					50,000				
	Lamp Model #	-					MLFPDE1030S-V1				
	Type of Lamp Socket	-					-				
Night Light Specs	Night Light Watts	N/A					N/A				
Shipping	Gross Weight (lbs)	-					5.7				
Approved Code/ Standard/Regulation	UL tub/Shower Enclosure	Yes					Yes				
	Washington VIAQ Code	Yes					-				
	Wall installation	No					Yes				
	California Title 24 Compliant	Yes					Yes				
	Mfg in ISO 9001 Certified Facility	Yes					Yes				

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



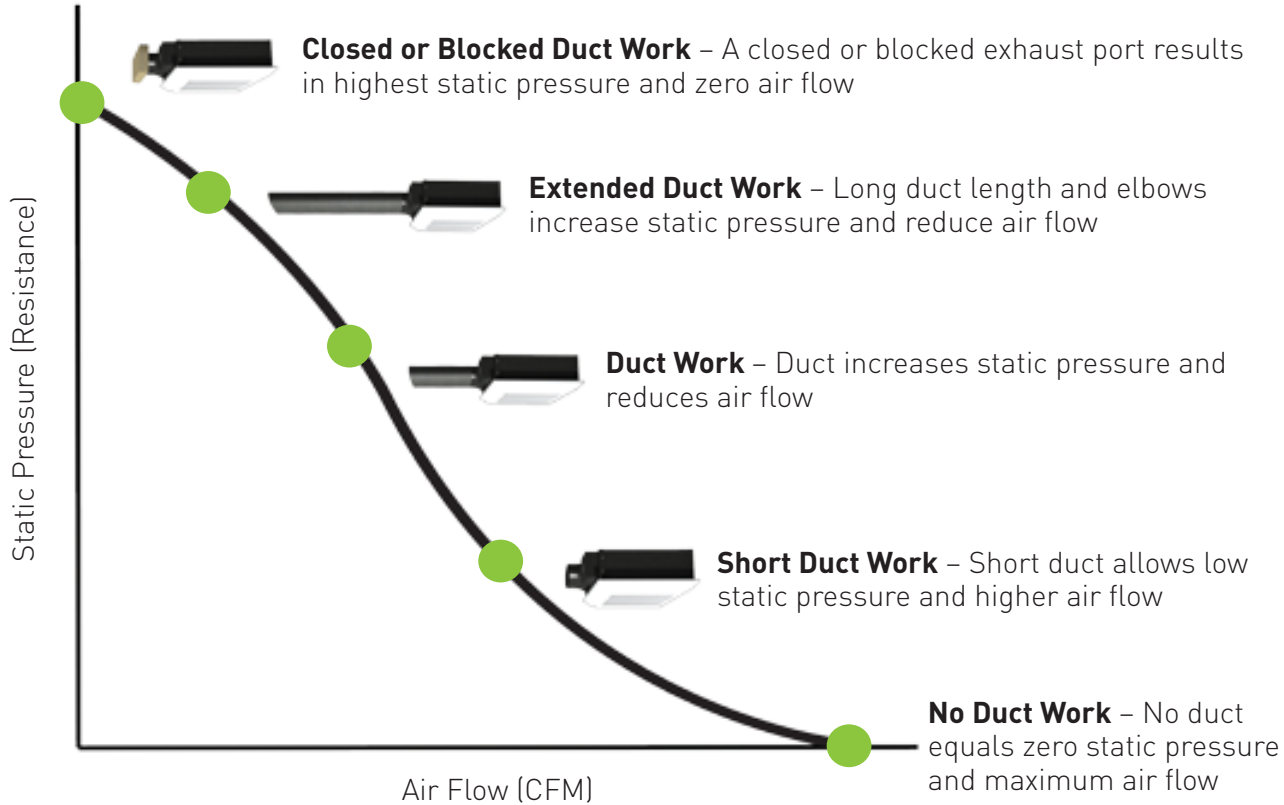
Balometer used to verify installed performance

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

STATIC PRESSURE GRAPH



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

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

