

**Specification Submittal Data / Panasonic Precision Spot Ventilation Fan**

**Description:**

Ventilating fan shall be Low Noise ceiling mount type rated for continuous run. Fan shall be ENERGY STAR® rated and certified by the Home Ventilation Institute (HVI). Evaluated by Underwriters Laboratories and conform to both UL and cUL safety standards.

**Motor/Blower:**

- Enclosed brushless ECM motor technology rated for continuous run.
- Fan ventilation rates shall be manually adjustable for 50-80-110 CFM.
- Power rating shall be 120 volts and 60 Hz.
- Fan shall be UL and cUL listed for tub/shower enclosure when GFCI protected.
- Motor equipped with thermal-cutoff fuse.
- Removable with permanently lubricated plug-in motor.

**Housing:**

- 26 gauge Zinc-Aluminum-Magnesium (ZAM) housing
- Integrated dual 4" or 6" diameter duct adapter.
- Built-in damper reduces back drafting and helps with blower door testing.
- 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.
- Articulating and expandable installation bracket up to 24".

**Ceiling Radiation Damper:**

- WhisperCeiling® DC™ is UL listed for use with the Panasonic Ceiling Radiation Damper (Model #: PC-RD05C5, sold separately).

**Grille:**

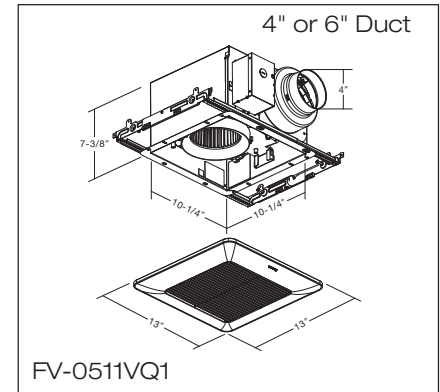
- Attractive design using Poly Pro material.
- Attaches directly to housing with torsion springs.

**Warranty:**

- ECM Motor: 6 Years from original purchase date.
- ALL Parts: 3 Years from original purchase date.

**Architectural Specifications:**

Ventilation fan shall be UL and cUL listed for ceiling mount and tub/shower enclosure when GFCI protected. Fan shall also be ENERGY STAR® certified, with a built-in speed selector. Choose from 50-80-110 CFM and no more than <0.3/<0.3/<0.3 sone as certified by the Home Ventilating Institute (HVI) at 0.1 static pressure in inches water gauge (w.g.) with no less than 53-83-111 CFM and no more than 0.4/0.6/0.9 sone as certified by HVI at 0.25 w.g. Power Consumption shall be no greater than 4.0/5.9/10.6 watts at 0.1 w.g. and 7.2/10.8/16.4 watts at 0.25 w.g., with efficiency of no less than 12.5/13.6/10.6 CFM/watt at 0.1 w.g. and 7.4/7.7/6.9 CFM/watt at 0.25 w.g. The motor shall be totally enclosed with a brushless ECM motor engineered to

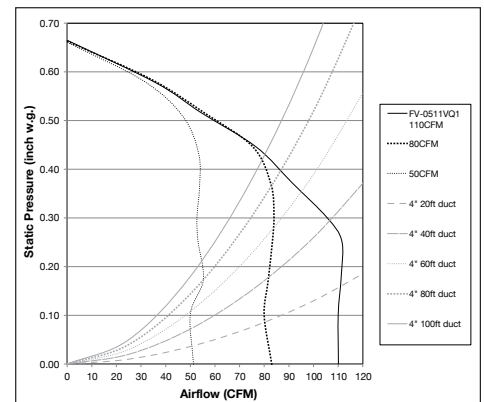


run continuously. ECM motor speed shall automatically increase when the fan senses static pressure to maintain selected CFM. Power rating shall be 120V/60Hz. Duct diameter shall be no less than 4", inclusive of an integrated dual 4" or 6" duct adapter. Fan can be used to comply with ASHRAE 62.2, LEED, ENERGY STAR® IAP, EarthCraft, CA Title 24 and WA state code.

Specifications: <b>WhisperCeiling DC</b> FV-0511VQ1		4"		4"		4"	
<b>Ventilation Fan Characteristics</b> (HVI Certified Data)	Static Pressure in inches w.g.	0.1	0.25	0.1	0.25	0.1	0.25
	Air Volume (CFM)	110	111	80	83	50	53
	Noise (sones)	<0.3	0.9	<0.3	0.6	<0.3	0.4
	Power Consumption (watts)	10.6	16.4	5.9	10.8	4.0	7.2
	Energy Efficiency (CFM/Watt)	10.6	6.9	13.6	7.7	12.5	7.4
	Speed (RPM)	957	1239	821	1172	756	1093
	Current (amps)	0.18	0.26	0.11	0.18	0.07	0.13
	MAX. Current (amps)	0.27					
	Power Rating (V/Hz)	120/60					
	ENERGY STAR rated	Yes					

0.25=Installed Performance

**Performance Curve 4" Duct**



For complete Installation Instructions visit [us.panasonic.com/ventfans](http://us.panasonic.com/ventfans)

Model	Quantity	Comments	Project:
			Location:
			Architect:
			Engineer:
			Contractor:
			Submitted by:
			Date:

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**ECM Motor Technology**

When the fan senses static pressure, its speed is automatically increased to ensure that the desired CFM is not compromised, which allows the fan to perform as rated.

**Panasonic**