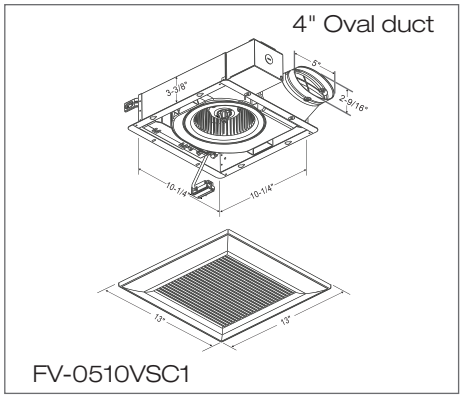
WhisperValue® DC™ VENTILATION FAN

FV-0510VSC1

Specification Submittal Data / Panasonic Ventilation Fan



Description:

Ventilating fan shall be Low Noise ceiling or wall 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 50-80-100 CFM.
- Power rating shall be 120 volts and 60 Hz.
- Fan shall be UL and cUL listed for tub/shower enclosure when GFCI protected and used in insulated ceiling (TYPE I.C.).
- PCB board equipped with thermal–cutoff fuse.
- Removable with permanently lubricated plug-in motor.

Housing:

- 26 gauge galvanized steel body.
- Built-in 4" Oval duct collar. Also compatible with 4" round duct.
- Optional 24 gauge steel, fire code rated 4" oval to 3" round duct adaptor sold separately (Model # FV-VS43R).
- Built in backdraft damper.
- 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.
- Unique L-shaped bracket simplifies installation and provides strong support.

Ceiling Radiation Damper:

- WhisperValue 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.

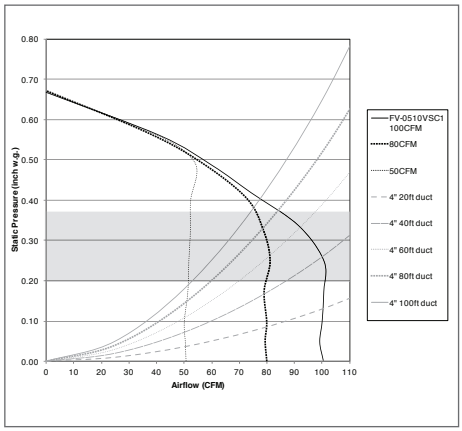
Warranty:

- 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 or wall mount and tub/shower enclosure when GFCI protected. Fan shall also be ENERGY STAR® certified, with a condensation sensor that shall be built-in and able to detect relative humidity and temperature to anticipate dew point. Fan shall also incorporate a built-in speed selector. Choose from 50 / 80 / 100 CFM and no more than <0.3 / 0.4 / 0.9 sone as certified by the Home Ventilating Institute (HVI) at 0.1 static pressure in inches water gauge (w .g.) with no less than 52 / 81 / 101 CFM and no more than 0.5 / 0.8 / 1.3 sone as certified by HVI at 0.25 w.g, and 52 / 75 / 83 CFM at 0.375 w.g. Power Consumption shall be no greater than 4.5 / 8.5 / 12.4 watts at 0.1 w.g, 7.7/13.2/18.0 watts at 0.25 w.g, and 12.0 / 16.0 / 18.0 watts at 0.375 w.g. Efficiency should be no less than 12.1 / 10.0 / 8.2 CFM/watt at 0.1 w.g, 7.3 / 6.5 / 5.7 CFM/watt at 0.25 w.g, and 4.3 / 4.7 / 4.6 CFM/watt at 0.375 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". Optional 24-gauge steel, fire code rated 4" oval to 3" round duct adaptor sold separately (Model # FV -VS43R). Fan can be used to comply with ASHRAE 62.2, CALGreen, LEED, EarthCraft, California Title-24 and WA Ventilation Code.

Performance Curve 4" Oval duct



Specifications and additional features on following page.

For complete Installation Instructions visit **us.panasonic.com/ventfans**

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

Panasonic

WhisperValue® DC™ VENTILATION FAN

FV-0510VSC1

Specification Submittal Data / Panasonic Ventilation Fan

(Continued)

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.

Condensation Sensor

Controls bathroom condensation to prevent mold and mildew. Sensor technology detects relative humidity and temperature to anticipate dew point, automatically turning the fan on to control humidity. Built-in Relative Humidity (RH) sensitivity adjustment enables fine tuning for moist conditions and for satisfying CALGreen requirements. Fan will run for 20 minutes before turning off.

Specifications: **WhisperValueDC** FV-0510VSC1		**4" Oval**			**4" Oval**			**4" Oval**		
Ventilation Fan Characteristics (HVI Certified Data)	Static Pressure in inches w.g.	0.1	0.25	0.375	0.1	0.25	0.375	0.1	0.25	0.375
	Air Volume (CFM)	100	101	83	80	81	75	50	52	52
	Noise (sones)	0.9	1.3	-	0.4	0.8	-	<0.3	0.5	-
	Power Consumption (watts)	13.4	18.5	18.0	8.5	13.2	16.0	4.5	7.7	12.0
	Energy Efficiency (CFM/Watt)	7.5	5.5	4.6	10.0	6.5	4.7	12.1	7.3	4.3
	Speed (RPM)	970	1197	1300	856	1114	1270	733	1050	1230
	Current (amps)	0.22	0.29	0.25	0.13	0.20	0.24	0.08	0.13	0.17
	MAX. Current (amps)	0.39								
	Power Rating (V/Hz)	120/60								
	ENERGY STAR rated	Yes								

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

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