

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 DC 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:

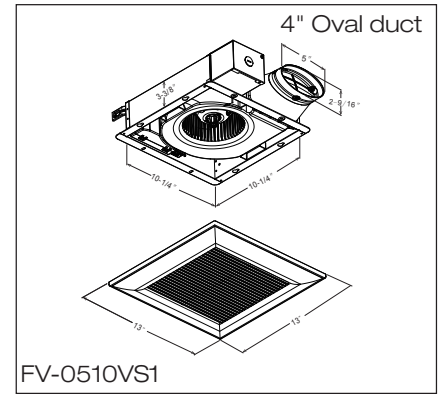
- Attractive design using Poly Pro material.
- Attaches directly to housing with torsion springs.

Warranty:

- DC 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 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 53/81/100 CFM and no more than 0.5/0.8/1.3 sone as certified by HVI at 0.25 w.g. Power Consumption shall be no greater than 4.4/7.2/11.1 watts at 0.1 w.g. and 7.5/11.5/16.0 watts at 0.25 w.g., with efficiency of no less than 12.8/11.4/9.2 CFM/watt at 0.1 w.g. and 7.9/7.2/6.4 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". 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, LEED, EarthCraft, California Title-24 and WA Ventilation Code.

WhisperValue Contractor Pack*

The Contractor Pack includes four complete fans. The housing and motor/grille are packaged separately for flexibility during installation.

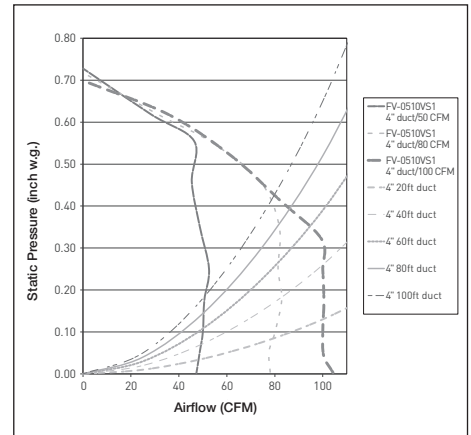
| Housing Can | Motor/Grille Assembly | Complete Fan Unit | Master Pack |
|-------------|-----------------------|-------------------|-------------|
| FV-0510VSA1 | FV-0510VSB1 | FV-0510VS1 | 4 |

*Must order in quantities of 4. Shipment will contain 1 box with 4 units.

| Specifications: WhisperValueDC FV-0510VS1 | | 4" Oval | | 4" Oval | | 4" Oval | |
|--|--------------------------------|---------|------|---------|------|---------|------|
| Ventilation Fan Characteristics (HVI Certified Data) | Static Pressure in inches w.g. | 0.1 | 0.25 | 0.1 | 0.25 | 0.1 | 0.25 |
| | Air Volume (CFM) | 100 | 100 | 80 | 81 | 50 | 53 |
| | Noise (sones) | 0.9 | 1.3 | 0.4 | 0.8 | <0.3 | 0.5 |
| | Power Consumption (watts) | 11.1 | 16.0 | 7.2 | 11.5 | 4.4 | 7.5 |
| | Energy Efficiency (CFM/Watt) | 9.2 | 6.4 | 11.4 | 7.2 | 12.8 | 7.9 |
| | Speed (RPM) | 902 | 1121 | 797 | 1070 | 708 | 1025 |
| | Current (amps) | 0.20 | 0.27 | 0.13 | 0.20 | 0.09 | 0.14 |
| | MAX. Current (amps) | 0.39 | | | | | |
| | Power Rating (V/Hz) | 120/60 | | | | | |
| | ENERGY STAR rated | YES | | | | | |

0.25=Installed Performance

Performance Curve 4" Oval duct



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

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

Panasonic Eco Solutions North America
Eco Products Division
Two Riverfront Plaza
Newark, NJ 07102



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.

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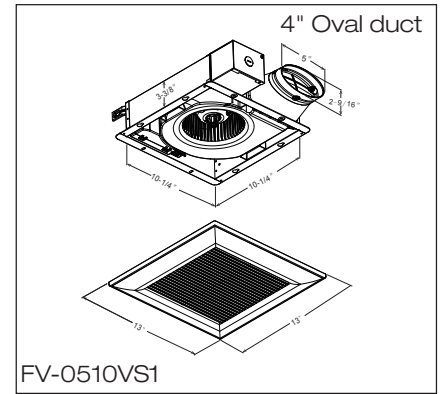
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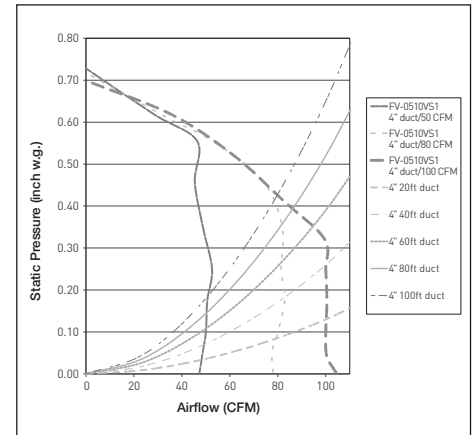
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