Panasonic



WhisperSense[®] DC[™] Ventilation Fan and Fan/Light

WhisperSense DC

FV-0511VQC1 FV-0511VQCL1



- Precision spot ventilation fans ideal for use in the bathroom, laundry room, mud room, basement or garage
- Revolutionary ECM motor with SmartFlow[™] technology for optimum CFM output
- Pick-A-Flow Speed Selector (50-80-110 CFM) combined with SmartFlow[™] Technology simplifies the selection process and ensures optimum performance to meet code and reduce callbacks
- Dual Sensor Technology (Motion & Moisture) provides built-in redundancy for the ultimate in automatic moisture and odor control
- Flex-Z Fast bracket provides flexible, fast & trouble-free installation, even from below the ceiling
- Lighted model incorporates one 10W dimmable LED chip panel with <1W LED night light for warm, long-life energy efficient illumination (night light must be wired separately)
- Elegant grille design compliments the aesthetics of any room
- Can be used to comply with ASHRAE 62.2, LEED, ENERGY STAR® IAP, CALGreen, EarthCraft, CA Title 24 and WA state code

ADDITIONAL BENEFITS

- Integrated 4" or 6" dual duct adapter enhances installation options
- UL listed for tub/shower enclosure when GFCI protected
- Auto shut off feature helps eliminate unnecessary energy use and further reduces operating costs
- 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
- Built-in damper reduces back drafting and helps with blower door testing
- Warranty: 6 years ECM Motor, 5 years LED, 3 years all other parts
- UL listed for use with the Panasonic Ceiling Radiation Damper (model # PC-RD05C5)



The power of performance, with exclusive smart sensing technology



ECM Motor with SmartFlow[™] Technology

WhisperSense® DC[™] is designed to perform as rated. When the fan senses static pressure, its speed is automatically increased to ensure optimal CFM output. This feature provides peace of mind, as the installer doesn't have to worry about compromising the fan's performance, even with a complicated duct run.



Pick-A-Flow Speed Technology

Built-in Pick-A-Flow speed selector provides the unique ability to select your required airflow (50-80-110 CFM) with the simple flip of a switch.

Three ways the fan can function

- Motion on/Motion off
- Motion on/Humidity off
- Humidity on/Humidity off
- Variable humidity controls from 30-80% Relative Humidity (RH)
- Adjustable delay timer from 30 seconds to 60 minutes

FV-0511VQC1



FV-0511VQCL1



FV-0511VQCL1





FV-0511VQCL1

*As tested by an EPA recognized lab NOTE: 0.25" w.g. = Installed Performance



SI

Dual Sensor Technology

LED Lighting

WhisperSense® DC[™] fan/light models feature a contemporary flush mount grille that incorporates one 10W Dimmable LED chip panel with <1W LED night light for warm, long-life energy efficient illumination. Panel specifications include: 3000 Kelvin Warm White/90CRI/700 lumens/70 LPW/ENERGY STAR 2.0 certified/ JA-8 compliant for CA Title 24/50,000 hours rated average life.

		WhisperSense DC												
Specifications			FV-0511VQC1						FV-0511VQCL1					
Characteristics (HVI tested data for 0.1" S.P.)	Static Pressure in inches w.g.	0.1	0.25	0.1	0.25	0.1	0.25	0.1	0.25	0.1	0.25	0.1	0.25	
	Air Volume (CFM)	110	111	80	83	50	53	110	110	80	83	50	50	
	Noise (sones)	<0.3	0.9	<0.3	0.6	<0.3	0.4	0.4	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	10.9	16.1	6.0	11.0	3.9	7.1	
	Energy Efficiency (CFM/watt)	10.6	6.9	13.6	7.7	12.5	7.4	10.3	7.0	13.7	7.7	14.1	7.8	
	Speed (RPM)	957	1239	821	1172	756	1093	1016	1268	867	1185	768	1097	
	Current (amps)	0.18	0.26	0.11	0.18	0.07	0.13	0.18	0.26	0.11	0.19	0.07	0.12	
	MAX. Current (amps)	0.27		0.27		0.27		0.30		0.30		0.30		
	Power Rating (V/Hz)	120/60		120/60		120/60		120/60		120/60		120/60		
Specifications	Motor Type	DC		DC		DC		DC		DC		DC		
	Type of Motor Bearing	Ball		Ball		Ball		Ball		Ball		Ball		
	Thermal Fuse Protection	Yes		Yes		Yes		Yes		Yes		Yes		
	Blower Wheel Type	Sirocco		Sirocco		Sirocco		Sirocco		Sirocco		Sirocco		
	ENERGY STAR Qualified	Yes		Yes		Yes		Yes		Yes		Yes		
Installation	Duct Diameter (inches)	4" or 6"		4" or 6"		4" or 6"		4" or 6"		4" or 6"		4" or 6"		
	Mounting Opening (inches sq.)	10-1/2		10-1/2		10-1/2		10-1/2		10-1/2		10-1/2		
	Grille Size (inches)	13		13		13		13		13		13		
Light Specifications	Lamp Watts	N/A		N/A		N/A		10.0		10.0		10.0		
	Lumens (lm)	N/A		N/A		N/A		700		700		700		
	Lumens Per Watt (LPW)	N/A		N/A		N/A		70		70		70		
	Color Rendering Index	N/A		N/A		N/A		90		90		90		
	Color Temperature (Kelvin)	N/A		N/A		N/A		3,000		3,000		3,000		
	Rated Life (hours)	N/A		N/A		N/A		50,000		50,000		50,000		
	Lamp Model #	N/A		N/A		N/A		N/A		N/A		N/A		
	Type of Lamp Socket	N/A		N/A		N/A		LED Chip		LED Chip		LED Chip		
Night Light Specs	Night Light Watts	N/A		N/A		N/A		0.2		0.2		0.2		
Shipping	Gross Weight (lbs)	11	.2	11	.2	11	.2	11	.9	11	1.9	11	.9	
Approved Code/ Standard/ Regulation	UL tub/Shower Enclosure	Yes		Yes		Yes		Yes		Yes		Yes		
	Washington VIAQ Code	Yes		Yes		Yes		Yes		Yes		Yes		
	Wall installation	No		No		No		No		No		No		
	California Title 24 Compliant	Yes		Yes		Yes		Yes		Yes		Yes		
	Mfg in ISO 9001 Certified Facility	Yes		Yes		Yes		Yes		Yes		Yes		

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