

WhisperGreen LED

A new generation of energy efficiency, quiet operation and unparalleled performance



FV-08VKME3

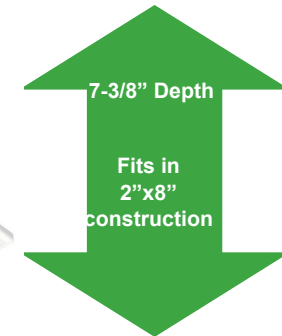
FV-08VKSE3

The highest performing, most energy efficient ventilation fan/LED light solution available!

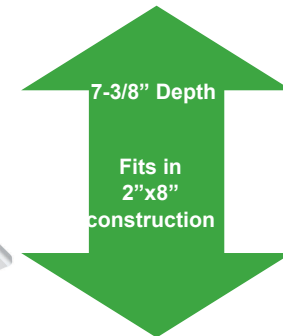
Panasonic has expanded its line of WhisperGreen™ ventilation fans to include two new models with LED lighting. The combination of two long-life technologies - revolutionary DC motor with 'best in class' LED light engine – makes this the most sustainable vent fan on the market. Whisper Green LED™ provides the performance and reliability our builders and remodelers have come to expect with ***unequalled installed performance and quietest operation at .25" w.g. static pressure.***



FV-08VKME3



FV-08VKSE3



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Key Features and Benefits:

LED Lighting

Flush mount grille incorporates a 12W ENERGY STAR® rated LED light engine with 1W LED nightlight. Panasonic's advanced LED technology lasts 35 times longer and is 75% more energy efficient than incandescent lamps, and does not contribute to mercury waste when disposed.

Brushless DC Motor with SmartFlow™ technology

When the fan faces static pressure, its speed is automatically increased to ensure the fan performs as rated for optimal CFM output.

SmartAction® Motion Sensor

(FV-08VKME3)

Automatically activates when someone enters a room. Once the settings have been applied, the fan becomes truly automatic, making it the lowest installed cost solution for meeting ASHRAE 62.2 whole house continuous and spot ventilation.

CustomVent Variable Speed Controls

Allows the fan to run continuously at a pre-set lower level (0-70). The fan then elevates to a maximum level of operation (80 CFM) when the switch is turned on, or the SmartAction® motion sensor is activated.

High/Low Delay Timer

Returns the fan to the pre-set CFM level after a period of time (up to 60 min.) set by the user, making this the ideal solution for continuous whole house ventilation.



FV-08VKME3



FV-08VKSE3



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Additional Benefits:

- ☐ Integrated dual 4" or 6" duct adapter
- ☐ Double hanger bar system fits in 2x8 construction
- ☐ Built-in damper to prevent backdraft
- ☐ Thermal fuse protection
- ☐ Can be used to comply with ASHRAE 62.2, LEED and CalGreen
- ☐ UL listed for tub/shower enclosure when used with GFCI branch circuit wiring
- ☐ 6 year warranty on DC motor, 5 year on LED, 3 year on parts
- ☐ Radiation damper available (model #: PC-RD05C4)



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LED - The Evolution of Lighting

LED stands for light-emitting diode. LEDs are tiny light sources that give off light when an electrical current moves through a semiconducting material.

LED - More Light, Less Heat



LED (Light Emitting Diodes)

The movement of electrons through a semiconductor material illuminates the tiny light sources we call LEDs. A small amount of heat is released backwards into a heat sink. In a well designed product, LEDs are basically cool to the touch. **LEDs release 20% of their energy as heat.**



Compact Fluorescents (CFLs)

Use an electric current driven through a tube containing gases. This reaction produces ultraviolet light that gets transformed into visible light by the fluorescent coating (called phosphor) on the inside of the tube. **CFLs release 80% of their energy as heat.**



Incandescent light bulbs




Create light by passing electricity through a metal filament until it becomes so hot that it glows. **Incandescents release 90% of their energy as heat.**



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LED vs. Traditional Lighting

** Example only. Does not reflect Panasonic LED specification(see next slide).*

Light Source			
	LED	Compact Fluorescent (CFL)	Incandescent
Life Span (Hours)	35,000	10,000	1,000
Watts of Power Used*	16.5W	20W	75W
Light Output (Lumens/Brightness)	Useful Light	575	575
	Wasted Light	575	575
	Total Light	1150	1150
Contains TOXIC Mercury	NO	YES	NO
On/Off Cycling (quickly switching lights on/off may decrease the life-span of the bulb)	No Effect	Can reduce life span drastically	Some Effect
Annual Operating Cost**	\$1.95	\$2.37	\$8.87

* LEDs use less power (watts) per unit of light generated (lumens). LEDs help reduce greenhouse gas emissions from power plants and lower electric bills.

** Operating costs for recessed down lights are annual and assume three hours of use per day for typical residential use, and an average utility rate of \$0.108 per kWh.

Source: ENERGY STAR



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0.25" w.g. = INSTALLED PERFORMANCE

Specifications		WhisperGreen LED											
		FV-08VKSE3 / 08VKME3											
Characteristics (HVI tested data for 0.1" S.P.)z	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)	80	96	70	73	60	61	50	54	40	44	30	39
	Noise (sones)	<0.3	0.7	<0.3	0.5	<0.3	0.4	<0.3	0.4	<0.3	0.4	<0.3	0.4
	Power Consumption (watts)	7.5	13.3	5.8	11	5.1	9.5	4.3	8.4	4.1	7.1	3.4	6.5
	Energy Efficiency (CFM/Watt)2	11.1	6.2	12.3	7.2	12.5	6.8	12.3	6.5	10.3	6.2	9.1	5.5
	Speed (RPM)	878	1200	830	1159	797	1149	770	1136	793	1120	740	1111
	Current (amps)	0.07	0.11	0.06	0.10	0.05	0.09	0.05	0.08	0.05	0.07	0.04	0.06
	Max. Current	0.15											
	Power Rating (V/Hz)	120/60		120/60		120/60		120/60		120/60		120/60	
Specifications	Motor Type	DC											
	Type of Motor Bearing	Ball											
	Thermal Fuse Protection	Yes											
	Blower Wheel Type	Sirocco											
	ENERGY STAR® Qualified	Yes											
Installation	Duct Diameter (Inches)	4 & 6											
	Mounting Opening (Inches sq.)	10-1/2											
	Grille Size (Inches sq.)	13											
Advanced Features	SmartAction Motion Sensor	FV-08VKSE3: No / FV-08VKME3: Yes											
	High / Low Delay Timer	Yes											
	CustomVent Variable Speed Control	Yes											
	SmartFlow Optimum CFM Technology	Yes											
Light Specifications	Lamp Watts	12											
	Color Rendering Index	80											
	Color Temperature (Kelvin)	3000K											
	Rated Life (hours)	40,000											
	Lamp Model #	SS12											
Night Light Specs	Night Light Watts	1											
Shipping	Gross Weight (lbs)	11.7											
Approved Code / Standard / Regulation	UL tub/Shower Enclosure	Yes											
	Washington VIAQ Code	Yes											
	California Title 24 Compliant	Yes											
	Mfg in ISO 9001 Certified Facility	Yes											

* Panasonic LED outputs 912 Lumens.



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Competitive Advantages

- ✓ More energy efficient DC motor, LED light and night light
- ✓ **Greater performance at .25" w.g. (Installed Performance)**
- ✓ Lower sone levels across the board
- ✓ Longer life LED, warmer color temperature ideal for residential use
- ✓ Integrated 4" - 6" dual duct adapter
- ✓ Superior grille design and illumination
- ✓ Better warranty – 6 years DC motor, 5 years LED, 3 years parts

Model Cross Reference	Panasonic FV-08VKSE3		Delta Breez VFB080D4LED1	
		0.25- Installed Performance		0.25- Installed Performance
Static Pressure	0.1		0.1	
CFM	80	86	80	58
Sones	<0.3	0.7	0.5	1.0
Fan Watts	7.5	13.3	9.0	11.3
LED Light	12 Watts		16 Watts	
Color Temperature(Kelvin)	3,000		4,000	
Rated Life (Hours)	40,000		25,000	
Led Night Light	1 Watt		2 Watts	
Duct	4" or 6"		4"	
ESTAR	Y		Y	
Warranty	6 years DC motor, 5 years LED, 3 years parts		3 years	



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Target Audience:

- Builders
- Remodelers
- Homeowners
- Designers
- Architects

Projects:

- New Construction
- ASHRAE 62.2
- Energy Star 3.0
- LEED for Homes
- Green building programs
- California Title 24
- CalGreen
- Federally funded weatherization
- Assisted Living

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Lighting the Way to a Greener Future

Unrivaled Performance – Unequaled Energy Efficiency – Unparalleled Long Life

The unbeatable combination of our intelligent, ultra-efficient DC motor and leading edge LED light engine ensures you won't find a better performing, quieter, more eco-responsible fan/light solution.

Panasonic WhisperGreen LED

Choose the fan that's revolutionizing the ventilation industry — once again.

Can be used to comply with ASHRAE 62.2, LEED, CalGreen and ENERGY STAR® for Homes 3.0.

Learn more at www.panasonic.com/ventfans

WhisperGreen LED
VENTILATION FAN

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Panasonic Advanced Ventilating Fans

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- Technical specifications
- Installation Instruction
- Submittal sheets and architectural specifications
- And much more...



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