



# **Performance Under Pressure – at .25" w.g.**DC powered, Super Efficient and Quiet



- Brushless DC motor with SmartFlow<sup>™</sup> technology
- Built-in SmartAction® motion sensor, variable speed controls and delay timer up to 60 minutes on select models
- Integrated 4" to 6" Duct Adapter on 80 CFM models allows for easy installation in either 4" or 6" duct applications
- ASHRAE 62.2, LEED, and ENERGY STAR compliant
- 6-Year warranty on DC motor, 3-Year on parts

FV-08VKS3 ~ 80 CFM 4-6" (102-152 mm) Duct

FV-13VKS3 ~ 130 CFM 6" (152 mm) Duct



FV-08VKM3 ~ 80 CFM 4-6" (102-152 mm) Duct

FV-13VKM3 ~ 130 CFM 6" (152 mm) Duct



FV-08VKSL3 ~ 80 CFM 4-6" (102-152 mm) Duct

FV-13VKML3 ~ 130 CFM 6" (152 mm) Duct



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		VERTILATION # FAN														VENTILATION ETAN																			
			WhisperGreen™															WhisperGreen-Lite™																	
		FV-08VKS3/08VKM3													FV-13VKS3/13VKM3									FV-08VKSL3/08VKML3											
	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	0.1	0.25	0.1	0.25	0.1	0.25	0.1	0.25	0.1	0.25	0.1	0.25	0.1	0.25	0.1	0.25	0.1	0.25	0.1	0.25	0.1	0.25
Ventilation Fan Characteristics (HVI Certified Data for 0.1" S.P.)	Air Volume (CFM)	80	79	70	75	60	59	50	54	40	39	30	32	130	135	110	111	90	93	70	71	50	53	80	79	70	78	60	60	50	52	40	42	30	35
	Noise (sones)	<0.3	0.4	<0.3	0.4	<0.3	0.3	<0.3	0.3	<0.3	<0.3	<0.3	<0.3	<0.3	0.7	<0.3	0.6	<0.3	0.6	<0.3	0.4	<0.3	<0.3	<0.3	0.6	<0.3	0.6	<0.3	0.5	<0.3	0.5	<0.3	0.5	<0.3	0.5
	Power Consumption (Watts)	7.0	11.0	5.4	10.1	5.0	8.7	4.3	7.5	3.7	6.6	3.2	5.8	11.9	21.5	9.0	15.6	6.2	12.5	4.1	9.8	2.4	5.9	7.4	12.4	6.0	11.6	5.3	9.0	4.2	7.8	3.8	6.7	3.5	6.2
	Energy Efficiency (CFMs/Watt)	12.1	7.6	13.3	7.7	13.6	7.7	12.4	7.7	12.8	7.1	11.4	6.7	11.2	6.4	12.5	7.3	15.2	7.8	18.7	7.9	23.3	10.0	11.2	6.6	11.9	6.8	12.1	7.2	12.5	7.0	11.1	6.6	8.8	5.8
	Speed (RPM)	832	1130	791	1125	773	1106	749	1101	740	1093	745	1087	662	917	643	912	580	900	506	874	430	781	866	1166	815	1157	675	941	765	1106	758	1084	611	879
	Current (amps)	0.02	0.01	0.03	0.01	0.05	0.01	0.05	0.02	0.05	0.03	0.06	0.04	0.01	0.12	0.03	0.09	0.02	0.07	0.04	0.01	0.06	0.03	0.01	0.02	0.03	0.02	0.05	0.09	0.04	0.02	0.06	0.05	0.04	0.06
	Power Rating (V/Hz)		120/60											120/60									120/60												
Specifications	Motor Type		DC											DC									DC												
	Type of Motor Bearing		Ball											Ball									Ball												
	Thermal Fuse Protection		Yes											Yes									Yes												
	Blower Wheel Type		Sirocco											Sirocco									Sirocco												
	ENERGY STAR Qualified	Yes											Yes										Yes												
Installation	Duct Diameter - in. (mm)		4-6 (102-152 mm)												6 (152)									4-6 (102-152 mm)											
	Housing Dimensions - in. (mm)	10-1/4L x 10-1/4W x 7-2/5H (260L x 260W x 188H)										10-1/4L x 10-1/4W x 7-2/5H (260L x 260W x 188H)									10-1/4L x 10-1/4W x 7-2/5H (260L x 260W x 188H)														
	Grille Size - Square in. (mm)	13 (330)											13 (330)									13 (330)													
Advanced Features	SmartAction Motion Sensor		FV-08VKS3: No, FV-08VKM3: Yes											FV-13VKS3: No, FV-13VKM3: Yes										FV-08VKSL3: No, FV-08VKML3: Yes											
	High / Low Delay Timer		Yes											Yes									Yes												
	CustomVent Variable Speed Control		Yes											Yes										Yes											
	SmartFlow Optimum CFM Technology		Yes											Yes										Yes											
Light Specifications	Lamp Watts																								1x32										
	Colour Rendering Index																								84										
	Colour Temp. (kelvin)																								3,500										
	Rated Life (hrs)																						10,000												
	Lamp Model #																				FHT32E35														
Night-Light Specs	Night-Light Watts																													4					
Shipping	Gross Weight - Ibs (kg)						12.1	(5.5)										12.6	(5.7)										13.4	(6.1)					
Approved Code/Standard Regulation	cULus Tub/Shower Enclosure		Yes											Yes									Yes												
	cULus Certified		Yes											Yes										Yes											
	Mfg in ISO 9001 Certified Facility		Yes												Yes										Yes										
	HVI Approved		Yes												Yes									Yes											

Design and specifications subject to change without notice.

N/A=not applicable w.g.=water gauge S.P.=static pressure

#### **Quiet Operation at .25" Water Gauge**

Since .1" w.g. is an unrealistic amount of static pressure when installed, ASHRAE, ENERGY STAR®, LEED for Homes, and HVI have set the industry standard for performance measurement at .25" w.g. The new generation of WhisperGreen and WhisperGreen-Lite fans not only provide powerful CFM output at .25" w.g., the fan's sone level has also been certified at .25" w.g. So they are quiet under pressure and after installation.

#### Smartflow™ Optimum CFM Technology

With this technology, the fan automatically increases its speed when faced with static pressure, ensuring the desired CFM is not compromised. This allows the fan to perform as rated and more importantly makes for easier installation because the installer no longer has to worry about compromising the fan's performance.

#### **CustomVent™ Variable Speed Control**

WhisperGreen ventilation fans are designed to provide both continuous whole home and individual bathroom ventilation for improved indoor air quality. Our CustomVent variable speed control allows the fan to run continuously at a pre-set lower level for whole home ventilation. Turning on the switch or activating the SmartAction motion sensor elevates the fan to a maximum level of operation for effective spot ventilation.

### **Additional Benefits**

- WhisperGreen Lite models incorporate a 32-Watt ENERGY STAR rated CFL light fixture and a 4-Watt night light
- Contemporary flush-mount grille design
- Built-in damper prevents backdraft
- Easy installation with a double hanger bar system
- Rust-proof paint treatment on galvanized housing
- Fits 2 x 8 construction
- Optional designer grille and radiation damper available for some models

## **Panasonic ideas for life**

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