WhisperGreen® Select
VENTILATION FAN

FV-0511VKSL3

Specification Submittal Data / Panasonic Ventilation Fan/Light

Description

Customizable ceiling mount ventilating fan, low sone and rated for continuous operation. NGBS certified. ENERGY STAR® rated and certified by the Home Ventilating Institute (HVI). Evaluated by the Underwriters Laboratories and conforms to both UL and cUL standards.

Motor/Blower:

- Enclosed brushless ECM smart motor technology rated for continuous operation
- Adjustable ventilation rates at 30-110 CFM
- Power rating of 120 volts and 60 Hz
- UL and cUL listed for tub/shower enclosure when GFCI protected
- Motor equipped with thermal cutoff fuse
- Removable permanently lubricated plug-in motor

Housing:

- Environmentally friendly 26 gauge housing using Zinc-Aluminum-Magnesium (ZAM) coating
- Built-in damper reduces back draft and helps with blower door testing
- 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
- Suitable for installation in ceilings insulated up to R60
- Articulating and expandable installation bracket up to 24"

Grille:

- Elegant grille design complements the aesthetics of any room
- Attaches directly to housing with torsion springs
- Includes a motion sensor cap for use as a cover when the motion sensor Plug 'n Play® module has not been selected

Warranty:

- ECM Motor: 6 Years from original purchase date
- LED Panel: 5 Years from original purchase date
- ALL Parts: 3 Years from original purchase date

Includes 10 Watt Dimmable LED chip panel/3000 Kelvin Warm White/90CRI/700 lumens/70 LPW/ENERGY STAR certified/JA-8 compliant for CA Title 24/50,000 hours rated average life /<1W one LED night light included.

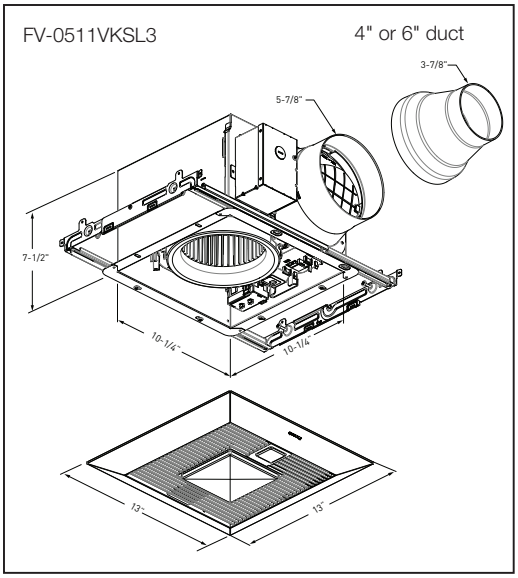
Architectural Specifications:

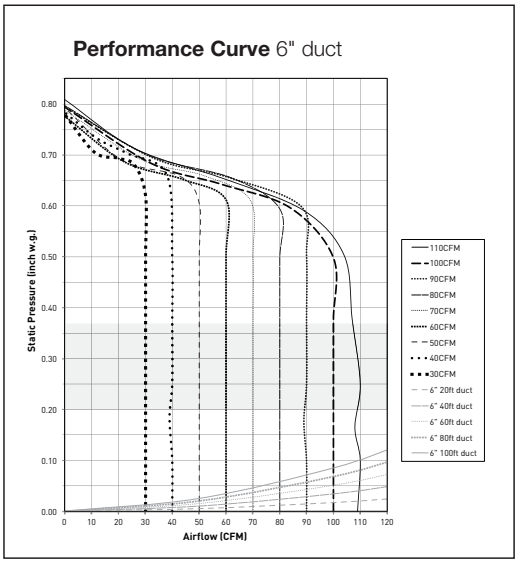
Customizable ceiling mount ventilation fan, ENERGY STAR® rated with built-in 110/80/50 CFM speed Selector, and multi-speed module for 30-110 CFM Continuous Ventilation. Home Ventilating Institute (HVI) Certified at 0.1, 0.25, 0.375, and 0.5" w.g. at all speeds 30-40-50-60-70-80-90-100-110 CFM

6" Duct as Certified by the Home Ventilating Institute (HVI) – **ENERGY STAR MOST EFFICIENT 2024**
@ 0.1 w.g., 110/80/50 CFM with <0.3 sone and with energy efficiency no more than 15.7/18.2/14.9 CFM/Watt
@ 0.25 w.g., 110/80/50 CFM with no more than 0.3/0.3/0.3 sones and with energy efficiency no more than 9.0/9.1/7.2 CFM/Watt
@ 0.375 w.g., 107/80/50 CFM with energy efficiency no more than 6.0/6.3/5.3 CFM/Watt
@ 0.5" w.g., 104/80/50 CFM with energy efficiency no more than 4.7/4.8/4.0 CFM/Watt
Utilizing 4" Duct with 6" to 4" reducer as Certified by the Home Ventilating Institute (HVI) –
@ 0.1 w.g., 110/80/50 CFM with <0.3 sone and with energy efficiency no more than 10.8/13.0/13.1 CFM/Watt
@ 0.25 w.g., 110/80/50 CFM with no more than 0.7/0.7/0.6 sones and with energy efficiency no more than 7.0/7.6/6.8 CFM/Watt
@ 0.375 w.g., 110/80/50 CFM with energy efficiency no more than 5.1/5.5/5.0 CFM/Watt
@ 0.5" w.g., 99/80/50 CFM with energy efficiency no more than 4.1/4.4/3.8 CFM/Watt
The motor shall be enclosed with 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. Plug 'N Play® modules provide additional features such as Multi-Speed 30-110 CFM with Time Delay, Condensation Sensor, SmartAction Motion Sensor, Dual Motion Sensor + Condensation Sensor and Wi-Fi Module. Fan shall be RoHS Compliant and UL and cUL listed for tub/shower enclosure when GFCI protected. Also suitable for installation in ceilings insulated up to R60. Fan can be used to comply with NGBS, ASHRAE 62.2, LEED, ENERGY STAR® IAP, EarthCraft, and California Title-24.

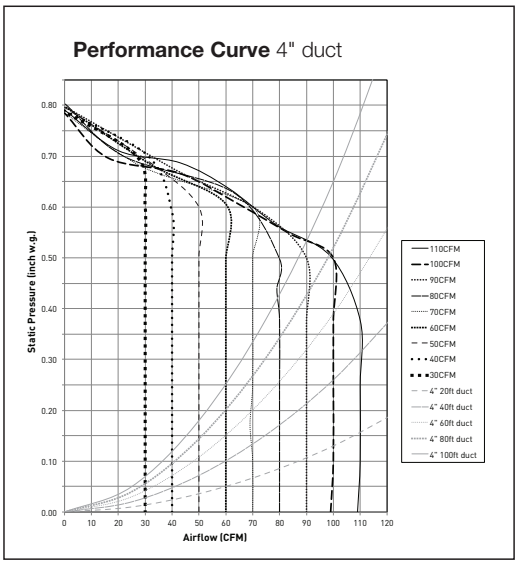
ECM Motor Technology:

When 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.





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



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

Plug 'N Play® Modules

Plug 'N Play® modules provide up to three additional features. Select from Multi-Speed with Time Delay, Motion Sensor, and Condensation Sensor.

FV-VS15VK1: Multi-Speed with Time Delay

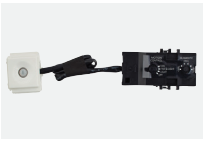
Allows you to select the proper CFM settings to satisfy ASHRAE 62.2 continuous ventilation requirements. The fan runs continuously at a pre-set lower level (0, 30-100 CFM, in 10 CFM increments), then elevates to a maximum level of operation (50-80-110 CFM) when the wall switch is turned on, or when the motion sensor or Condensation Sensor module is activated. A High/Low delay timer returns the fan to the pre-set CFM level after a period of time set by the user.

FV-MSVK1: Motion Sensor

Automatically activates when someone enters the room. Once the settings have been applied, the fan becomes truly automatic. This module also activates a 20 minute delay off timer for the fan.

FV-CSVK1: Condensation Sensor

Helps control 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. When the condensation sensor is used in conjunction with multi-speed functionality, the fan will kick up to high speed when the condensation sensor detects moisture in the room. This module also activates a 20 minute delay off timer for the fan.



FV-CMVK3: Smart Action® Motion Sensor + Condensation Sensor

Turns the base fan on or boosts to higher speed when condensation or motion are detected. Installer / User can choose the desired operation, thanks to advanced automation. Only one slot is required.

WP100PBA: Smart WiFi® Module

The Wi-Fi control module connects, monitors and controls through Wi-Fi the ventilation fan's features (motion sensor, light, etc.) with the Swidget app.

WhisperGreen® Select
VENTILATION FAN

FV-0511VKSL3

WhisperGreen® Select (Fan + Light): FV-0511VKSL3																																										
Duct Diameter (inches)	6"																																										
Static Pressure in inches w.g.	0.1	0.25	0.375	0.5	0.1	0.25	0.375	0.5	0.1	0.25	0.375	0.5	0.1	0.25	0.375	0.5	0.1	0.25	0.375	0.5	0.1	0.25	0.375	0.5	0.1	0.25	0.375	0.5	0.1	0.25	0.375	0.5	0.1	0.25	0.375	0.5	0.1	0.25	0.375	0.5
Air Volume (CFM)	110	110	107	104	100	100	100	100	90	90	90	90	80	80	80	80	70	70	70	70	60	60	60	60	50	50	50	50	40	40	40	40	30	30	30	30				
Noise (sones)	<0.3	0.3	---	---	<0.3	0.3	---	---	<0.3	0.3	---	---	<0.3	0.3	---	---	<0.3	0.3	---	---	<0.3	0.3	---	---	<0.3	0.3	---	---	<0.3	0.3	---	---	<0.3	<0.3	---	---				
Power Consumption (watts)	7.2	12.6	18.1	22.7	6.0	11.4	16.5	21.6	5.3	10.4	15.0	19.7	4.6	9.4	13.5	18.2	4.2	8.5	12.5	16.4	3.9	8.0	11.3	15.4	3.5	7.2	10.1	13.7	3.2	6.3	9.0	12.6	2.9	5.6	8.5	11.7				
Energy Efficiency (CFM/Watt)	15.7	9.0	6.0	4.7	17.5	9.3	6.6	4.9	18.0	9.2	6.5	4.8	18.2	9.1	6.3	4.8	17.8	8.8	6.0	4.6	15.5	7.6	5.4	4.0	14.9	7.2	5.3	4.0	13.3	6.8	4.8	3.5	11.0	5.8	3.9	3.0				
Speed (RPM)	636	915	1123	1285	621	934	1126	1290	605	930	1122	1294	591	922	1121	1292	588	920	1129	1292	595	935	1131	1311	587	937	1130	1314	586	934	1138	1325	595	938	1155	1304				
Amps (Current)	0.12	0.20	0.28	0.35	0.11	0.19	0.27	0.35	0.10	0.18	0.25	0.32	0.09	0.17	0.23	0.30	0.08	0.15	0.21	0.27	0.07	0.14	0.19	0.25	0.07	0.13	0.17	0.22	0.06	0.11	0.16	0.21	0.06	0.10	0.15	0.20				
MAX. Amps (Current)	0.35																																									
ENERGY STAR Qualified	Yes																																									

WhisperGreen® Select (Fan + Light): FV-0511VKSL3																																										
Duct Diameter (inches)	4"																																										
Static Pressure in inches w.g.	0.1	0.25	0.375	0.5	0.1	0.25	0.375	0.5	0.1	0.25	0.375	0.5	0.1	0.25	0.375	0.5	0.1	0.25	0.375	0.5	0.1	0.25	0.375	0.5	0.1	0.25	0.375	0.5	0.1	0.25	0.375	0.5	0.1	0.25	0.375	0.5	0.1	0.25	0.375	0.5
Air Volume (CFM)	110	110	110	99	100	100	100	100	90	90	90	90	80	80	80	80	70	70	70	70	60	60	60	60	50	50	50	50	40	40	40	40	30	30	30	30				
Noise (sones)	<0.3	0.7	---	---	<0.3	0.7	---	---	<0.3	0.7	---	---	<0.3	0.7	---	---	<0.3	0.7	---	---	<0.3	0.6	---	---	<0.3	0.6	---	---	<0.3	0.5	---	---	<0.3	0.4	---	---				
Power Consumption (watts)	10.5	16.3	22.1	24.8	8.6	13.9	19.2	24.3	7.2	12.7	17.0	21.9	6.4	11.1	15.0	18.8	5.3	9.6	13.8	17.7	4.7	8.3	11.9	15.8	3.9	7.4	10.7	14.2	3.5	6.4	9.7	13.0	3.1	5.9	9.2	12.0				
Energy Efficiency (CFM/Watt)	10.8	7.0	5.1	4.1	12.2	7.6	5.5	4.3	13.1	7.6	5.6	4.3	13.0	7.6	5.5	4.4	13.3	7.4	5.5	4.0	12.9	7.3	5.1	3.9	13.1	6.8	5.0	3.8	11.9	6.5	4.7	3.5	10.0	5.3	3.6	2.9				
Speed (RPM)	824	1069	1244	1373	793	1039	1222	1370	754	1033	1199	1359	722	1004	1187	1342	693	983	1184	1343	672	966	1169	1331	643	961	1158	1334	628	955	1165	1338	623	969	1158	1327				
Amps (Current)	0.17	0.26	0.34	0.38	0.15	0.23	0.31	0.38	0.13	0.21	0.28	0.35	0.11	0.18	0.25	0.30	0.10	0.16	0.23	0.28	0.09	0.14	0.20	0.26	0.07	0.13	0.18	0.23	0.07	0.11	0.16	0.21	0.06	0.11	0.15	0.20				
MAX. Amps (Current)	0.38																																									
ENERGY STAR Qualified	Yes																																									

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

For complete Installation Instructions visit **na.panasonic.com/us/iaq**

Panasonic
IAQ Division
Two Riverfront Plaza
Newark, NJ 07102

na.panasonic.com/us/iaq

HVI CERTIFIED · c UL us · ENERGY STAR · Home Innovation NGBS GREEN CERTIFIED

Design and specifications subject to change without notice.

Panasonic

IAQ24032ST
R2