Panasonic

WhisperGreen® Select™ Ventilation Fans and Fan/Lights

WhisperGreen Select™
VENTILATION FAN

Fan Only Models: FV-05-11VKS1, FV-05-11VK1, FV-11-15VK1
Fan/Light Models: FV-05-11VKSL1, FV-05-11VKL1, FV-11-15VKL1

Most Efficient 2018
ENERGY STAR www.energystar.gov

■ Customizable, all-in-one fan and fan/LED light combinations

■ Pick-A-Flow™ Speed Selector – one fan, you choose the CFM (50-80-110 or 110-130-150 CFM models)

■ Unique Plug 'N Play modules provide up to three value-added features

■ Revolutionary ECM motor with SmartFlow™ technology ensures optimal CFM output

■ Replaceable, GU24 base LED lamps provide warm, energy efficient illumination

■ Flex-Z Fast™ bracket provides flexible, fast and easy installation

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

ADDITIONAL BENEFITS

• Integrated dual 4″ or 6″ duct adaptor (up to 110 CFM models)

• 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

• Fits in 2 x 8 construction

• Protected by UL Class 2 Power Unit

• UL listed for tub/shower enclosure when used with a GFCI protected circuit

• 6 year warranty on ECM motor, 5 years on LED, 3 years on parts

PANASONIC PERFORMANCE PACKAGE
BUILT-IN SELF ADJUSTING AIRFLOW CAPABILITY

NAHB spark AWARD

PRECISION VENTILATION

ENERGY STAR AWARD 2017
PARTNER OF THE YEAR
Sustained Excellence

One Fan – Endless Possibilities.

The all-purpose, customizable IAQ solution for virtually any application

WhisperGreen® Select™ is a ground-breaking IAQ solution that is revolutionizing the ventilation fan industry with a new set of features that enable customization and easier installation. To the builder and professional installer, Panasonic continues to be the innovation leader with high performance ventilation solutions that are built to last. WhisperGreen Select's unique design and superior energy efficiency are achieved through engineering expertise, provided by a company who sets the standard for quality and value.

WHISPERGREEN SELECT™ IS AS EASY AS 1-2-3!

Step 1: Select a Base Fan Model

Select a base model to start building the perfect IAQ solution that satisfies your ventilation design requirements.

Fan	Fan/Light
FV-05-11VKS1: 30 to 110 CFM integrated multi-speed	FV-05-11VKSL1: 30 to 110 CFM integrated multi-speed + LED Light
FV-05-11VK1: 50-80-110 CFM single speed	FV-05-11VKL1: 50-80-110 CFM single speed + LED Light
FV-11-15VK1: 110-130-150 CFM single speed	FV-11-15VKL1: 110-130-150 CFM single speed + LED Light

Pick-A-Flow™ Speed Technology
Built-in Pick-A-Flow™ speed selector – one fan, you choose the CFM. Provides the unique ability to select your required airflow (50-80-110 and 110-130-150 CFM models) with the simple flip of a switch.

Step 2: Select Value Added Features*

WhisperGreen Select™ offers a unique set of Four* patented modules that allow you to further customize your fan:

Multi-Speed with Time Delay (FV-VS15VK1) – 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, then elevates to a maximum level of operation when the wall switch is turned on, or when the SmartAction® 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.

SmartAction® Motion Sensor (FV-MSVK1) – Automatically activates when someone enters the room. Once the settings have been applied, the fan becomes truly automatic, making it ideal for people with disabilities and assisted living environments such as nursing homes and retirement communities. This module also activates an automatic 20 minute delay off timer for the fan.

Condensation Sensor (FV-CSVK1) – Helps control bathroom condensation to prevent mold and mildew. Advanced 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 (30% to 80%, in 10% increments) 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 an automatic 20 minute delay off timer for the fan.

NiteGlow™ LED Night Light (FV-NLVK1) – A specialized photocell feature automatically turns on the 1 watt LED night light when darkness is sensed in the room. Hi/Low brightness switch enables you to fine tune the photo cell to work in conjunction with the darkness level of your bathroom. This module also activates an automatic 20 minute delay off timer for the fan.

*Select up to 3 value added features.

Step 3: Install Your Ideal Fan with the New! Flex-Z Fast™ Installation System

Ingeniously designed installation bracket provides flexible, fast and easy installation for all your new construction or renovation projects.

Fold up articulating joints to easily position bracket in between the joist and/or through ceiling hole.

Fold articulating joints back down in preparation for installation

Extend bracket to desired length.

Installed Performance and Quiet Operation at 0.25" w.g. Static Pressure
ASHRAE, ENERGY STAR®, LEED for Homes, and HVI have set the industry standard for performance measurement at 0.25" w.g. WhisperGreen® Select™ fans not only provide powerful CFM output at 0.25" w.g., but our sones have also been certified at 0.25" w.g. so they are quiet under pressure and after installation.

WhisperGreen Select™

FV-05-11VK1

FV-11-15VK1

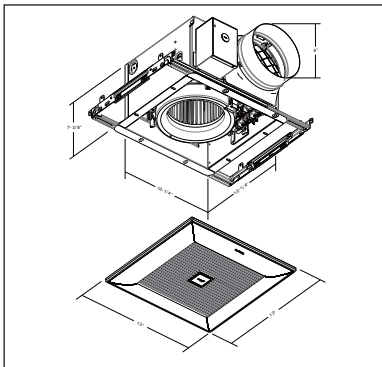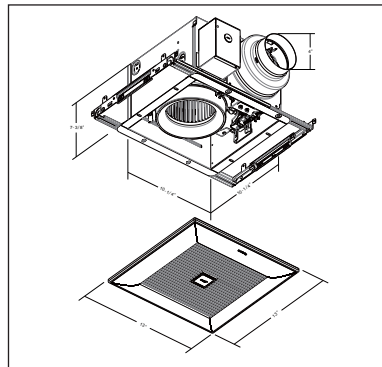| Specifications		Static Pressure in inches w.g.	WhisperGreen® Select™ (Fan Only Models) Base Fan — FV-05-11VK1						FV-11-15VK1						WhisperGreen® Se... Base Fan with In... FV-0...									
	Static Pressure in inches w.g.		0.1	0.25	0.1	0.25	0.1	0.25	0.1	0.25	0.1	0.25	0.1	0.25	0.1	0.25	0.1	0.25	0.1	0.25	0
Characteristics (HVI tested data for 0.1" S.P.)	Air Volume (CFM)		110	113	80	82	50	53	150	151	130	130	110	110	110	113	100	106	90	95	80	82	7
	Noise (sones)		<0.3	0.8	<0.3	0.4	<0.3	<0.3	<0.3	0.7	<0.3	0.5	<0.3	<0.3	<0.3	0.8	<0.3	0.7	<0.3	0.6	<0.3	0.4	<0
	Power Consumption (watts)		9.8	16.1	5.4	10.2	3.2	6.5	12.7	21.7	9.5	16.8	6.6	12.7	9.8	16.1	8.0	14.0	6.5	11.7	5.5	10.2	4
	Energy Efficiency (CFM/Watt)		11.5	7.2	15.3	8.4	15.1	8.1	11.5	6.8	13.1	7.8	15.7	8.2	11.5	7.2	13.0	7.9	14.5	8.5	15.3	8.4	17
	Speed (RPM)		931	1205	814	1131	747	1072	664	904	635	891	616	889	931	1205	895	1179	852	1146	814	1131	7
	Current (amps)		0.10	0.16	0.06	0.10	0.04	0.07	0.13	0.21	0.10	0.17	0.07	0.13	0.10	0.16	0.09	0.14	0.07	0.12	0.06	0.10	0.
	MAX. Current (amps)		0.27						0.33														
	Power Rating (V/Hz)		120/60						120/60														
Specifications	Motor Type		ECM						ECM														
	Type of Motor Bearing		Ball						Ball														
	Thermal Fuse Protection		Yes						Yes														
	Blower Wheel Type		Sirocco						Sirocco														
	ENERGY STAR Qualified		Yes						Yes														
Installation	Duct Diameter (Inches)		4 & 6						6														
	Mounting Opening (Inches sq.)		10-1/2						10-1/2														
	Grille Size (Inches sq.)		13						13														
Light Specifications	Lamp Watts		N/A						N/A														
	Lumens (lm)		N/A						N/A														
	Lumens Per Watt (LPW)		N/A						N/A														
	Color Rendering Index		N/A						N/A														
	Color Temperature (Kelvin)		N/A						N/A														
	Rated Life (hours)		N/A						N/A														
	Lamp Model #		N/A						N/A														
	Type of Lamp Socket		N/A						N/A														
Night Light Specs	Night Light Watts		N/A*						N/A*														
Shipping	Gross Weight (lbs)		11.90						13.45														
Approved Code/ Standard/Regulation	UL tub/Shower Enclosure		Yes						Yes														
	Washington VIAQ Code		Yes						Yes														
	California Title 24 Compliant		Yes						Yes														
	Mfg in ISO 9001 Certified Facility		Yes						Yes														

*Light specs may change.   **Night Glo™ LED Night Light module is available.

NOTE: 0.25" w.g. = Installed Performance

ECM Motor with SmartFlow™ Technology

WhisperGreen® Select™ features the same revolutionary ECM motor that comes with our WhisperGreen line of products. With built-in SmartFlow™ technology, WhisperGreen® Select™ is designed to perform as rated, providing precision ventilation. 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.

FV-05-11VK1

FV-11-15VK1

FV-05-11VKS1

n® Select™ (Fan Only Models)
with Integrated Multi-Speed

FV-05-11VKS1

25	0.1	0.25	0.1	0.25	0.1	0.25	0.1	0.25	0.1	0.25
2	70	71	60	66	50	53	40	43	30	33
4	<0.3	0.4	<0.3	<0.3	<0.3	0.3	<0.3	<0.3	<0.3	<0.3
.2	4.3	8.6	3.6	7.8	3.2	6.5	2.7	5.7	2.4	5.0
4	17.2	8.7	17.5	8.8	15.1	8.1	16.3	8.2	14.2	7.6
31	772	1112	750	1107	747	1072	731	1073	718	1062
0	0.05	0.09	0.04	0.08	0.04	0.07	0.08	0.06	0.03	0.06

0.27
120/60
ECM
Ball
Yes
Sirocco
Yes
4 & 6
10-1/2
13
N/A
N/A
N/A
N/A
N/A
N/A
N/A
N/A
N/A*
11.90
Yes
Yes
Yes
Yes

WhisperGreen® Select™ (Fan Only Models)
Base Fan with Multi-Speed Plug 'N Play Module

FV-11-15VK1 + FV-VS15VK1

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
150	151	130	130	120	121	110	110	100	102	90	96	80	84	70	72	60	62	50	51
<0.3	0.7	<0.3	0.5	<0.3	0.4	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	0.4	<0.3	0.4	<0.3	0.4	<0.3	0.4
12.7	21.7	9.5	16.8	7.4	14.1	6.6	12.7	5.6	11.3	4.9	10.7	4.4	9.6	3.8	8.6	3.6	7.7	3.1	6.8
11.5	6.8	13.1	7.8	16.2	8.6	15.7	8.2	17.9	9.0	18.6	9.0	18.2	8.8	18.4	8.4	16.7	8.1	16.1	7.5
664	904	635	891	615	884	616	889	603	886	595	891	604	911	602	918	622	919	616	928
0.13	0.21	0.10	0.17	0.08	0.14	0.07	0.13	0.06	0.11	0.06	0.11	0.05	0.10	0.05	0.09	0.04	0.08	0.04	0.07

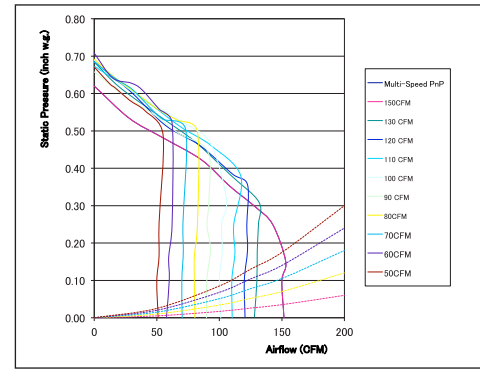| 0.33 |
|---|
| 120/60 |
| ECM |
| Ball |
| Yes |
| Sirocco |
| Yes |
| 6 |
| 10-1/2 |
| 13 |
| N/A |
| N/A |
| N/A |
| N/A |
| N/A |
| N/A |
| N/A |
| N/A |
| N/A* |
| 13.45 |
| Yes |
| Yes |
| Yes |
| Yes |

LED Lighting
WhisperGreen® Select™ fan/light models feature a contemporary flush mount grille that incorporates Two replaceable, ENERGY STAR® rated, 7W GU24 base LED lamps. Panasonic's advanced LED technology lasts 4 times longer than compact fluorescent lamps and does not contribute to mercury waste when disposed.
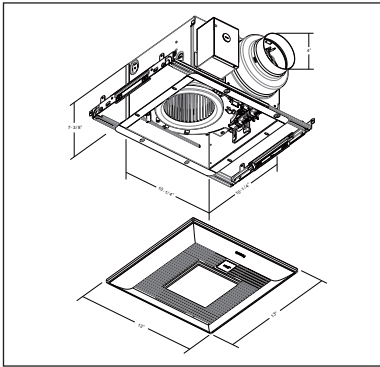
WhisperGreen®Select™
VENTILATION FAN

FV-05-11VKL1

Static Pressure (Inch w.g.) vs Airflow (CFM)
Legend: Multi-Speed PnP, 110CFM, 100CFM, 90CFM, 80CFM, 70CFM, 60CFM, 50CFM, 40CFM, 30CFM

FV-11-15VKL1

Static Pressure (Inch w.g.) vs Airflow (CFM)
Legend: Multi-Speed PnP, 150CFM, 130 CFM, 120 CFM, 110 CFM, 100 CFM, 90 CFM, 80CFM, 70CFM, 60CFM, 50CFM
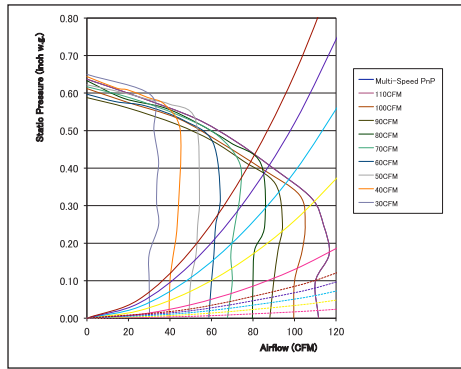
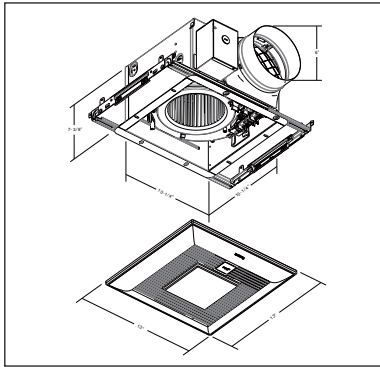| Specifications		WhisperGreen® Select™ (Fan/LED Light Models)												WhisperGreen® S							
		Base Fan with LED Light												Base Fan with LED							
		FV-05-11VKL1						FV-11-15VKL1													
Characteristics (HVI tested data for 0.1" S.P.)	Static Pressure in inches w.g.	0.1	0.25	0.1	0.25	0.1	0.25	0.1	0.25	0.1	0.25	0.1	0.25	0.1	0.25	0.1	0.25	0.1	0.25	0.1	0.2
	Air Volume (CFM)	110	114	80	86	50	53	150	143	130	131	110	111	110	114	100	105	90	94	80	86
	Noise (sones)	0.4	0.9	<0.3	0.6	<0.3	<0.3	0.6	0.9	<0.3	0.8	<0.3	0.6	0.4	0.9	<0.3	0.8	<0.3	0.6	<0.3	0.5
	Power Consumption (watts)	11.1	18.0	6.0	11.1	4.0	7.0	16.5	24.0	12.0	21.0	8.5	16.0	11.1	17.6	8.7	15.0	7.0	12.8	5.8	11.
	Energy Efficiency (CFM/Watt)	9.9	6.3	13.3	7.7	12.8	7.7	9.2	6.0	10.9	6.3	13.1	7.1	9.9	6.3	11.6	7.1	13.1	7.5	13.3	7.
	Speed (RPM)	960	1237	837	1157	740	1081	730	941	679	926	652	914	960	1237	926	1213	872	1184	837	115
	Current (amps)	0.12	0.17	0.07	0.12	0.04	0.07	0.16	0.22	0.12	0.19	0.08	0.15	0.12	0.17	0.09	0.15	0.08	0.13	0.07	0.1
	MAX. Current (amps)	0.42						0.48													
	Power Rating (V/Hz)	120/60						120/60													
Specifications	Motor Type	ECM						ECM													
	Type of Motor Bearing	Ball						Ball													
	Thermal Fuse Protection	Yes						Yes													
	Blower Wheel Type	Sirocco						Sirocco													
	ENERGY STAR Qualified	Yes						Yes													
Installation	Duct Diameter (Inches)	4 & 6						6													
	Mounting Opening (Inches sq.)	10-1/2						10-1/2													
	Grille Size (Inches sq.)	13						13													
Light Specifications	Lamp Watts	2 x 7W						2 x 7W													
	Lumens (lm)	550lm per lamp*						550lm per lamp*													
	Lumens Per Watt (LPW)	80LPW*						80LPW*													
	Color Rendering Index	>80						>80													
	Color Temperature (Kelvin)	3000K						3000K													
	Rated Life (hours)	40,000						40,000													
	Lamp Model #	LPHT7						LPHT7													
	Type of Lamp Socket	GU24						GU24													
Night Light Specs	Night Light Watts	N/A**						N/A**													
Shipping	Gross Weight (lbs)	14.55						14.77													
Approved Code/ Standard/Regulation	UL tub/Shower Enclosure	Yes						Yes													
	Washington VIAQ Code	Yes						Yes													
	California Title 24 Compliant	Yes						Yes													
	Mfg in ISO 9001 Certified Facility	Yes						Yes													

*Light specs may change.   **Night Glo™ LED Night Light module is available.
 NOTE: 0.25" w.g. = Installed Performance

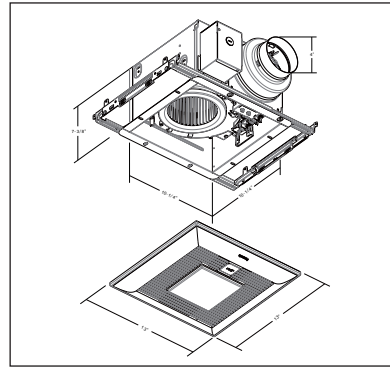**FV-05-11VKL1** **FV-11-15VKL1** **FV-05-11VKSL1**

...een® Select™ (Fan/LED Light Models)

...h LED Light and Integrated Multi-Speed

FV-05-11VKSL1

	0.25	0.1	0.25	0.1	0.25	0.1	0.25	0.1	0.25	0.1	0.25
	86	70	71	60	62	50	53	40	43	30	35
	0.5	<0.3	0.4	<0.3	0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
	11.1	4.7	8.9	3.9	7.6	3.2	6.6	2.8	5.7	2.5	5.0
	7.7	15.3	8.2	15.9	8.4	12.8	7.7	14.6	7.7	12.8	7.4
	1157	796	1119	769	1102	740	1081	739	1077	731	1058
	0.12	0.05	0.09	0.05	0.08	0.04	0.07	0.04	0.06	0.03	0.06

0.42
120/60
ECM
Ball
Yes
Sirocco
Yes
4 & 6
10-1/2
13
2 x 7W
550lm per lamp*
80LPW*
>80
3000K
40,000
LPHT7
GU24
N/A**
14.33
Yes
Yes
Yes
Yes

WhisperGreen® Select™ (Fan/LED Light Models)

Base Fan with LED Light and Multi-Speed Plug 'N Play Module

FV-11-15VKL1 + FV-VS15VK1

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
150	143	130	131	120	122	110	111	100	102	90	90	80	82	70	71	60	62	50	52
0.5	0.9	<0.3	0.8	<0.3	0.6	<0.3	0.6	<0.3	0.5	<0.3	0.4	<0.3	0.4	<0.3	0.3	<0.3	0.3	<0.3	0.4
16.4	23.3	11.5	19.6	9.5	16.9	7.9	14.8	6.9	13.5	5.7	11.6	5.0	10.4	4.3	8.8	4.0	7.9	3.2	7.2
9.2	6.0	10.9	6.3	12.8	7.3	13.1	7.1	14.8	7.7	16.0	7.8	16.0	7.9	16.3	8.1	15.5	8.1	16.3	7.5
730	941	679	926	669	917	652	914	644	923	631	917	633	918	624	904	634	910	607	928
0.16	0.22	0.12	0.19	0.10	0.17	0.08	0.15	0.07	0.14	0.06	0.12	0.06	0.11	0.05	0.09	0.05	0.08	0.04	0.08

0.48
120/60
ECM
Ball
Yes
Sirocco
Yes
6
10-1/2
13
2 x 7W
550lm per lamp*
80LPW*
>80
3000K
40,000
LPHT7
GU24
N/A**
14.77
Yes
Yes
Yes
Yes