Panasonic



WhisperValue® DC™ Ventilation Fans and Fan/Lights

WhisperValue® DC™
VENTILATION FAN

Fan Only Models: FV-0510VS1, FV-0810VSS1, FV-0510VSC1
Fan/Light Models: FV-0510VSL1, FV-0810VSSL1, FV-0510VSCL1





Powerful CFM output overcomes **0.375"** static pressure to effectively remove moist, polluted air*
(See PQ Curves)

- Pick-A-Flow™ Airflow Selector (50[1], 80 or 100 CFM) combined with SmartFlow™ technology simplifies the selection process and ensures optimum performance to meet code and reduce callbacks
- Optional built-in Multi-Speed Control for ASHRAE 62.2 compliance[2]
- Optional built-in Condensation Sensor to control moisture in the bathroom[3]
- Lighted models incorporate one 10W dimmable LED chip panel with <1W LED night light for warm, energy efficient illumination (night light must be wired separately)
- 3-3/8" Housing Depth – lowest profile ENERGY STAR® fan available – fits anywhere!
- Unique L-Shaped bracket simplifies installation and provides strong support
- UL approved for ceiling or wall mount (actually fits in a 2 x 4 stud wall)
- Wall Installation reduces cost by eliminating the need to incorporate a radiation damper when penetrating fire rated ceilings, making it ideal for Multi-Family applications
- Can be used to comply with ASHRAE 62.2, LEED, IAP, California Title 24, CALGreen[4] and WA Ventilation Code

ADDITIONAL BENEFITS

- 24 gauge steel, fire code rated 4" oval to 3" round duct adapter, sold separately (model #FV-VS43R)
- Transfer Register Box (model # FV-JD, sold separately), provides room-to-room powered circulation with ductless heat pumps
- UL listed for use with the Panasonic Ceiling Radiation Damper (model # PC-RD05C5)
- UL listed for tub/shower enclosure when GFCI protected
- Warranty[5]: 6 years ECM Motor, 5 years LED, 3 years all other parts

*** Industry research indicates static pressure in typical installations ranges from 0.20" to 0.375".**
[1] 50 CFM option not included in FV-0810VSS1 and FV-0810VSSL1
[2] FV-0810VSS1 and FV-0810VSSL1 only
[3] FV-0510VSC1 and FV-0510VSCL1 only
[4] FV-0510VSC1 and FV-0510VSCL1 only, or when other WhisperValue DC models are combined with a Panasonic Condensation Sensor Plus(FV-WCCS1-W/A or FV-WCCS2-W/A)
[5] One year additional fan or fan/light warranty available when WhisperValue DC is controlled by a Panasonic Condensation Sensor Plus.

ENERGY STAR

PRECISION VENTILATION

Installed Performance

ECM Motor with SmartFlow™ Technology

WhisperValue® 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 Airflow Technology

Built-in Pick-A-Flow Airflow selector provides the unique ability to select your required airflow (50-80 -100 CFM) with the simple flip of a switch.

Optional Built-In Controls



Multi-Speed for ASHRAE 62.2 Compliance

(FV-0810VSS1 and FV-0810VSSL1 only)

Multi-Speed for ASHRAE 62.2 Compliance allows you to select the proper CFM settings to satisfy ASHRAE 62.2 continuous ventilation requirements. The fan runs continuously at a preset lower level (0, 30-70, in 10 CFM increments), then elevates to a maximum level of operation (80 or 100 CFM) when the wall switch is turned on.



Condensation Sensor

(FV-0510VSC1 and FV-0510VSCL1 only)

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. The fan will run for 20 minutes before turning off.



LED Lighting

WhisperValue® 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, energy efficient illumination. Panel specifications include: 3000 Kelvin Warm White/90CRI/700 lumens/70 LPW/ENERGY STAR 2.0 certified/50,000 hours rated average life.

WhisperValue® DC™ to WhisperValue®/ WhisperValue® Lite™ Cross Reference

	WhisperValue® DC™		WhisperValue®/ WhisperValue® Lite™	
	New Model #	Description	Discontinued Model #	Description
Fan Only	FV-0510VS1	Fan Only, 50-80-100 CFM	FV-05VS3	Fan Only, 50 CFM
			FV-08VS3	Fan Only, 80 CFM
			FV-10VS3E	Fan Only, 100 CFM
	FV-0510VSC1	Fan Only, 50-80-100 CFM, Condensation Sensor	N/A	N/A
	FV-0810VSS1	Fan Only, 80-100 CFM, Multi-Speed for ASHRAE 62.2	N/A	N/A
Fan/LED Light	FV-0510VSL1	Fan/LED Light, 50-80-100 CFM	FV-08VSL3	Fan/CFL Light, 80 CFM
			FV-10VSL3E	Fan/CFL Light, 100 CFM
	FV-0510VSCL1	Fan/LED Light, 50-80-100 CFM, Condensation Sensor	N/A	N/A
	FV-0810VSSL1	Fan/LED Light, 80-100 CFM, Multi-Speed for ASHRAE 62.2	N/A	N/A
Contractor Packs	FV-0510VSA1	FV-0510VS1 Housing Can	FV-05-10VSA3	Universal Housing Can
	FV-0510VSB1	FV-0510VS1 Motor/Grille Assembly, 50-80-100 CFM	FV-05VSB3	Motor/Grille Assembly, 50 CFM
			FV-08VSB3	Motor/Grille Assembly, 80 CFM
			FV-10VSB3E	Motor/Grille Assembly, 100 CFM

High Performing, Code Compliant Multi-Family Solution

WhisperValue® DC™ VENTILATION FAN

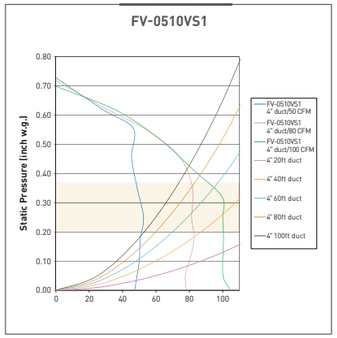


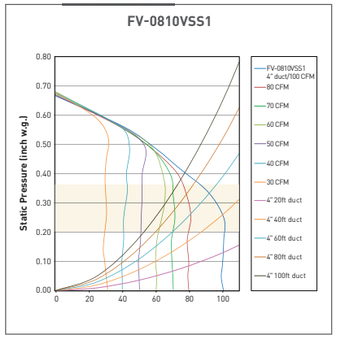
FV-0510VS1
FV-0810VSS1
FV-0510VSC1

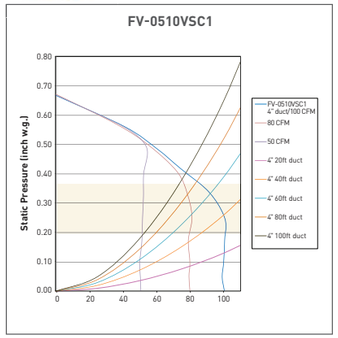
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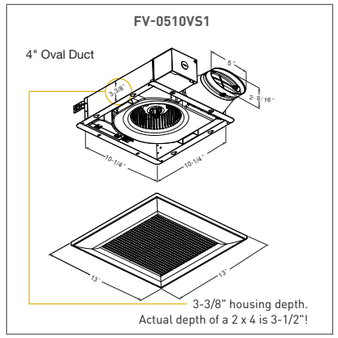
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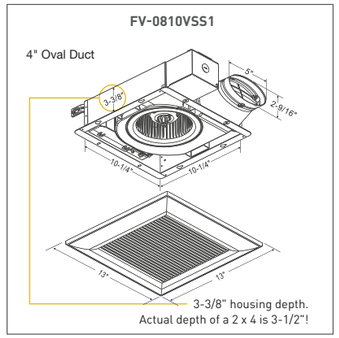
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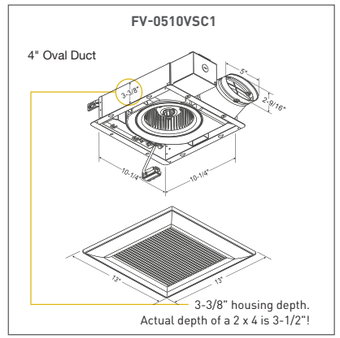












WhisperValue® DC™ 4" Oval Duct (Fan Only Models)																									
SPECIFICATIONS		FV-0510VS1						FV-0810VSS1														FV-0510VSC1					
	Duct Diameter (Inches)	4 Oval		4 Oval		4 Oval		4 Oval		4 Oval		4 Oval		4 Oval		4 Oval		4 Oval		4 Oval		4 Oval		4 Oval		4 Oval	
Characteristics (HVI tested 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	0.25	0.1	0.25	0.1	0.25
	Air Volume (CFM)	100	100	80	81	50	53	100	101	80	81	70	72	60	64	50	52	40	41	30	31	100	101	80	81	50	52
	Noise (sones)	0.9	1.3	0.4	0.8	<0.3	0.5	0.9	1.3	0.4	0.8	<0.3	0.6	<0.3	0.6	<0.3	0.5	<0.3	0.5	<0.3	0.5	0.9	1.3	0.4	0.8	<0.3	0.5
	Power Consumption (watts)	11.1	16.0	7.2	11.5	4.4	7.5	12.4	18.0	8.5	13.2	6.5	10.8	5.3	9.3	4.5	7.7	3.8	6.7	3.4	6.0	12.4	18.0	8.5	13.2	4.5	7.7
	Energy Efficiency (CFM/Watt)	9.2	6.4	11.4	7.2	12.8	7.9	8.2	5.7	10.0	6.5	11.2	6.9	11.8	7.2	12.1	7.3	11.8	6.9	10.2	6.0	8.2	5.7	10.0	6.5	12.1	7.3
	Speed (RPM)	902	1121	797	1070	708	1025	954	1176	856	1114	805	1088	770	1076	733	1050	723	1037	711	1033	954	1176	856	1114	733	1050
	Current (amps)	0.20	0.27	0.13	0.20	0.09	0.14	0.18	0.25	0.13	0.20	0.10	0.16	0.09	0.15	0.08	0.13	0.07	0.11	0.06	0.10	0.18	0.25	0.13	0.20	0.08	0.13
	MAX. Current (amps)	0.39						0.39														0.39					
	Power Rating (V/Hz)	120/60						120/60														120/60					
Specifications	Motor Type	ECM						ECM														ECM					
	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 (Inches)	4 Oval						4 Oval														4 Oval					
	Mounting Opening (Inches sq.)	10-1/2						10-1/2														10-1/2					
	Grille Size (Inches sq.)	13						13														13					
Light Specifications	Lamp Watts	N/A						N/A														N/A					
	Lumens (lm)	N/A						N/A														N/A					
	Lumens Per Watt (LPW)	N/A						N/A														N/A					
	Color Rendering Index	N/A						N/A														N/A					
	Color Temperature (Kelvin)	N/A						N/A														N/A					
	Rated Life (hours)	N/A						N/A														N/A					
	Lamp Model #	N/A						N/A														N/A					
	Type of Lamp Socket	N/A						N/A														N/A					
Night Light Specs	Night Light Watts	N/A						N/A														N/A					
Shipping	Gross Weight (lbs)	8.8						9.0														9.0					
Approved Code/Standard/Regulation	UL tub/Shower Enclosure	Yes						Yes														Yes					
	Washington VIAQ Code	Yes						Yes														Yes					
	California Title 24 Compliant	Yes						Yes														Yes					
	Mfg in ISO 9001 Certified Facility	Yes						Yes														Yes					

CALGreen

***Industry research indicates static pressure in typical installations ranges from 0.20" to 0.375".**
As tested by an EPA recognized lab

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VENTILATION FAN

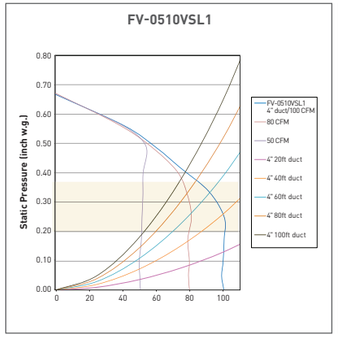
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FV-0810VSSL1
FV-0510VSCL1

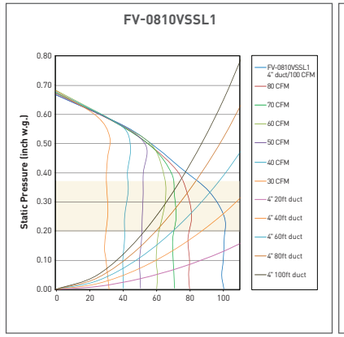


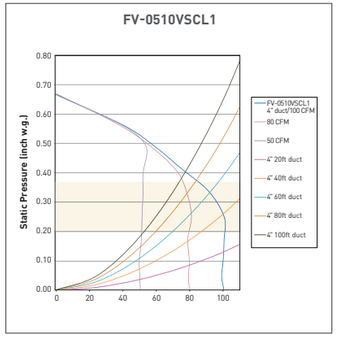
52 - 76 - 84 CFM Power Rating

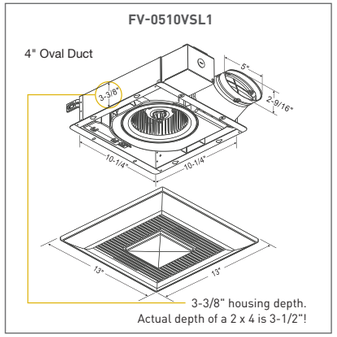
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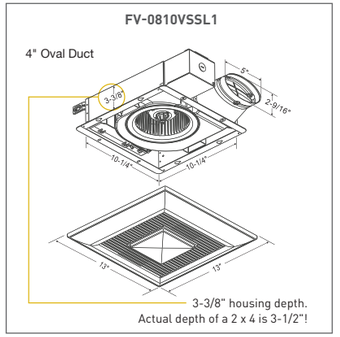
FV-0510VSL1
FV-0810VSSL1
FV-0510VSCL1

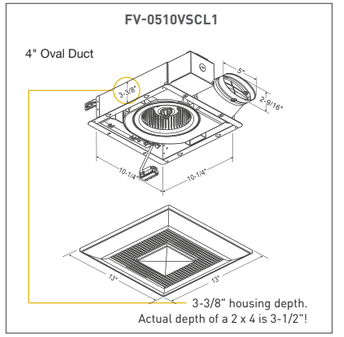












WhisperValue® DC™ 4" Oval Duct (Fan/LED Light Models)

SPECIFICATIONS		FV-0510VSL1						FV-0810VSSL1														FV-0510VSCL1					
	Duct Diameter (Inches)	4 Oval		4 Oval		4 Oval		4 Oval		4 Oval		4 Oval		4 Oval		4 Oval		4 Oval		4 Oval		4 Oval		4 Oval		4 Oval	
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	0.25	0.1	0.25	0.1	0.25	0.1	0.25
	Air Volume (CFM)	100	101	80	81	50	52	100	101	80	81	70	72	60	64	50	52	40	41	30	31	100	101	80	81	50	52
	Noise (sones)	0.9	1.3	0.4	0.8	<0.3	0.5	0.9	1.3	0.4	0.8	<0.3	0.6	<0.3	0.6	<0.3	0.5	<0.3	0.5	<0.3	0.5	0.9	1.3	0.4	0.8	<0.3	0.5
	Power Consumption (watts)	12.4	18.0	8.5	13.2	4.5	7.7	12.4	18.0	8.5	13.2	6.5	10.8	5.3	9.3	4.5	7.7	3.8	6.7	3.4	6.0	12.4	18.0	8.5	13.2	4.5	7.7
	Energy Efficiency (CFM/Watt)	8.2	5.7	10.0	6.5	12.1	7.3	8.2	5.7	10.0	6.5	11.2	6.9	11.8	7.2	12.1	7.3	11.8	6.9	10.2	6.0	8.2	5.7	10.0	6.5	12.1	7.3
	Speed (RPM)	954	1176	856	1114	733	1050	954	1176	856	1114	805	1088	770	1076	733	1050	723	1037	711	1033	954	1176	856	1114	733	1050
	Current (amps)	0.18	0.25	0.13	0.20	0.08	0.13	0.18	0.25	0.13	0.20	0.10	0.16	0.09	0.15	0.08	0.13	0.07	0.11	0.06	0.10	0.18	0.25	0.13	0.20	0.08	0.13
	MAX. Current (amps)	0.39						0.39														0.39					
	Power Rating (V/Hz)	120/60						120/60														120/60					
Specifications	Motor Type	ECM						ECM														ECM					
	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 (Inches)	4 Oval						4 Oval														4 Oval					
	Mounting Opening (Inches sq.)	10-1/2						10-1/2														10-1/2					
	Grille Size (Inches sq.)	13						13														13					
Light Specifications	Lamp Watts	10.0						10.0														10.0					
	Lumens (lm)	700						700														700					
	Lumens Per Watt (LPW)	70						70														70					
	Color Rendering Index	90						90														90					
	Color Temperature (Kelvin)	3,000						3,000														3,000					
	Rated Life (hours)	50,000						50,000														50,000					
	Lamp Model #	N/A						N/A														N/A					
	Type of Lamp Socket	LED chip						LED Chip														LED chip					
Night Light Specs	Night Light Watts	0.2						0.2														0.2					
Shipping	Gross Weight (lbs)	9.9						9.9														9.9					
Approved Code/Standard/Regulation	UL tub/Shower Enclosure	Yes						Yes														Yes					
	Washington VIAQ Code	Yes						Yes														Yes					
	California Title 24 Compliant	Yes						Yes														Yes					
	Mfg in ISO 9001 Certified Facility	Yes						Yes														Yes					

CALGreen

*Industry research indicates static pressure in typical installations ranges from 0.20" to 0.375".
As tested by an EPA recognized lab

ENERGY STAR

c UL us

2100 HVI CERTIFIED

Design and specifications subject to change without notice.

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