

Specification Submittal Data / Panasonic Fresh Air Supply Fan

Description:

Customizable fresh air supply fan is low noise remote mount type rated for continuous run. ENERGY STAR® rated and fan is certified by the Home Ventilating Institute (HVI). Evaluated by Underwriters Laboratories and the fan conforms to both UL and cUL safety standards.

WhisperFresh® Plus fan is designed as a connected step-up mechanical supply ventilation fan with humidity sensing, temperature sensing, diagnostics, and optional Wi-Fi connectivity through a built-in Plug'n Play® port.

Motor/Blower:

- Fresh air supply rates shall be manually adjustable for 20-130 CFM.
- CFM is adjustable in increments of 1 CFM from 20-130 CFM.
- Power rating shall be 120 volts and 60 Hz.
- ECM motor with Smartflow™ technology helps maintain selected airflow as static pressure changes.

Housing:

- Galvanized steel wall sleeve.
- Integrated 6" Duct collar.
- Includes spring damper on supply air side of unit.
- Insulated housing to prevent condensation and noise.
- Designed for remote-mount fresh air supply applications.

Installation:

- Five installation positions: Ceiling-hung, under-ceiling, wall-mounted, attic-mounted, and flush-to-ceiling.
- UL approved for hard wired installation.
- Designed for 6-inch duct applications.
- Brackets are provided for joist, truss or suspension installations

Built-In Controls:

- Built-in digital controls allow CFM, humidity, and temperature level adjustment directly at the unit.
- CFM can be selected from 20–130 CFM.

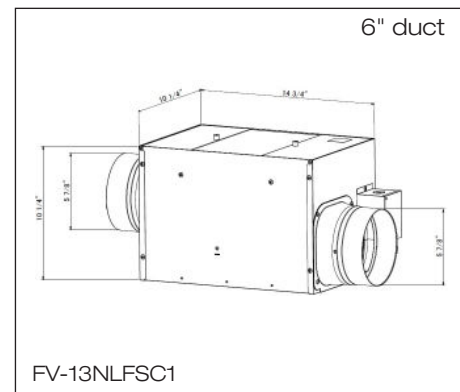
- Humidity level is adjustable. Lower limit: RH 10–30%. Upper limit: RH 40–80%.
- Temperature level is adjustable. Lower limit: 14–40°F. Upper limit: 80–105°F.
- 7-segment Fault Indicator Display, FID, provides airflow and maintenance alerts.
- FID helps identify airflow restriction or maintenance conditions that may require attention.
- Reset button with convenient light indicator and unobtrusive alarm signal helps notify the homeowner when it is time to check and clean the filter.
- Reset button resets each time the customer changes or cleans the filter.
- Built-in Plug'n Play® port supports optional Wi-Fi connectivity.

Maintenance:

- Standard filter flexibility supports long-term serviceability.
- Accepts compatible 8" x 8" x 1" filters for flexible filtration options.
- Access panel and filter door help simplify filter checks and maintenance.
- FID airflow and maintenance alerts help provide visibility when service or filter maintenance may be needed.
- Unobtrusive alarm helps notify the owner for filter check and maintenance.

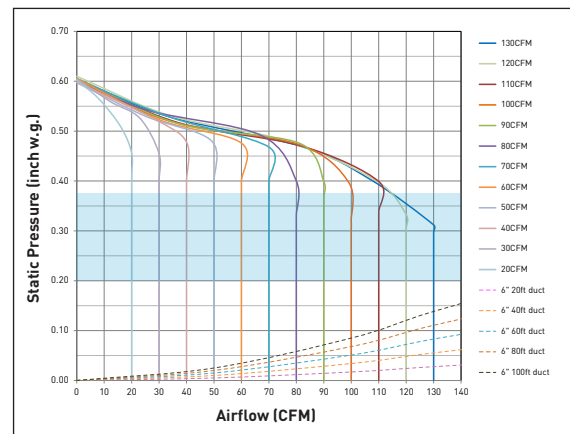
Warranty:

- ECM Motor: 6 Years from original purchase date.
- All Other Parts: 3 Years from original purchase date.



Performance Curve

6" Duct FV-13NLFSC1



Architectural Specifications:

Inline fan is remote mount, ENERGY STAR® certified, and customizable from 20 to 130 CFM as certified by HVI at 0.2 inches w.g. static pressure. Power rating is 120V/60Hz. Housing is insulated to help reduce condensation. Duct diameter is no less than 6 inches. Brackets are provided for joist, truss, or suspension installations. Can be used to comply with ASHRAE 62.2, LEED® and CA Title 24 applications.

Accessories:

- Optional Wi-Fi Module:
Sold separately – WP100PBA

For complete Installation Instructions visit iaq.na.panasonic.com

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

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(Continued)



ECM Motor Technology

When supply fan senses static pressure, its speed is automatically increased to ensure that the desired CFM is not compromised, which allows the supply fan to perform as rated.

Specifications:		WhisperFresh® Plus FV-13NLFSC1 6" Duct (HVI Certified)											
Ventilation Fan Characteristics	Static Pressure in inches w.g.	0.2											
	Air Volume (CFM)	20	30	40	50	60	70	80	90	100	110	120	130
	Power Consumption (Watts)	4.4	4.7	5.2	5.9	6.6	7.4	8.8	9.7	11.2	13.2	15.3	17.9
	Energy Efficiency (CFM/Watt)	4.5	6.3	7.6	8.4	9.0	9.4	9.0	9.2	8.9	8.3	7.8	7.2
	Current (amps)	0.08	0.09	0.10	0.11	0.12	0.13	0.15	0.17	0.19	0.22	0.26	0.29
	MAX. Current (amps)	0.29											
	Power Rating (V/Hz)	120/60											
	ENERGY STAR®	Yes											

Specifications:		WhisperFresh® Plus FV-13NLFSC1 6" Duct with MERV 13 Filter (Not HVI Certified)											
Ventilation Fan Characteristics	Static Pressure in inches w.g.	0.2											
	Air Volume (CFM)	20	30	40	50	60	70	80	90	100	110	120	130
	Power Consumption (Watts)	4.7	5.2	5.9	6.7	7.9	8.7	10.5	11.8	13.9	15.7	19.2	21.3
	Energy Efficiency (CFM/Watt)	4.2	5.7	6.7	7.4	7.5	8.0	7.6	7.6	7.1	7.0	6.2	6.1
	Current (amps)	0.09	0.09	0.11	0.12	0.14	0.15	0.17	0.20	0.23	0.26	0.31	0.34
	MAX. Current (amps)	0.34											
	Power Rating (V/Hz)	120/60											

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