breez Signature

MODEL SIG80-110HLED

(Fan/Dimmable LED Light/Night-Light with Humidity Sensor – 80/110 CFM)

HVI 2100 CERTIFIED

Full Speed:
80 CFM/<0.3 Sones @ 0.1" SP, 6.8 Watts
80 CFM/0.5 Sones @ 0.25" SP, 9.8 Watts

Full Speed:
110 CFM/<0.3 Sones @ 0.1" SP, 9.7 Watts
110 CFM/0.8 Sones @ 0.25" SP, 15.5 Watts

Most Efficient 2018 ENERGY STAR www.energystar.gov

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Description

Low noise ceiling mount ventilating fan/Dimmable LED light/night-light with humidity sensor rated for continuous running. Fan has been awarded ENERGY STAR® Most Effcient 2018. It is HVI, UL, and cUL certified to comply with ASHRAE 62.2 local and whole building continuous and intermittent operation. Meets CA Title 24 requirements.

DC Motor/Blower

- Power rating of 120 volts/60Hz
- DC brushless motor engineered to run continuously
- Motor equipped with thermal cutoff fuse
- Removable with permanently lubricated plug-in motor
- Full speed adjustable, 80 or 110 CFM
- For humidity control mode, when humidity is above the user-adjustable set-point, fan runs at full speed. When humidity is below the set-point, the fan runs continuously at a pre-set lower level (0, 30, 50, 60, or 80 CFM)
- Adjustable humidity set points between ~50% to ~90% RH
- Built-in soft start function to increase bearings' life
- Automatically powers off when impeller is locked abnormally
- Self-compensating motor speed for intended airflow when static pressure is encountered

Housing

- Galvanized steel body
- Detachable 6" diameter metal duct adapter
- Includes 6" to 4" duct reducer
- Built-in backdraft damper
- Easy installation with expandable extension bracket

Grille

- Attractive design using ABS material
- Attaches directly to housing with torsion springs

Light

- (1) 13-Watt LED main light included
- (1) 2-Watt LED night light included
- Main light output 800 Lumens, 3000K, and 90 CRI

LED Indicator

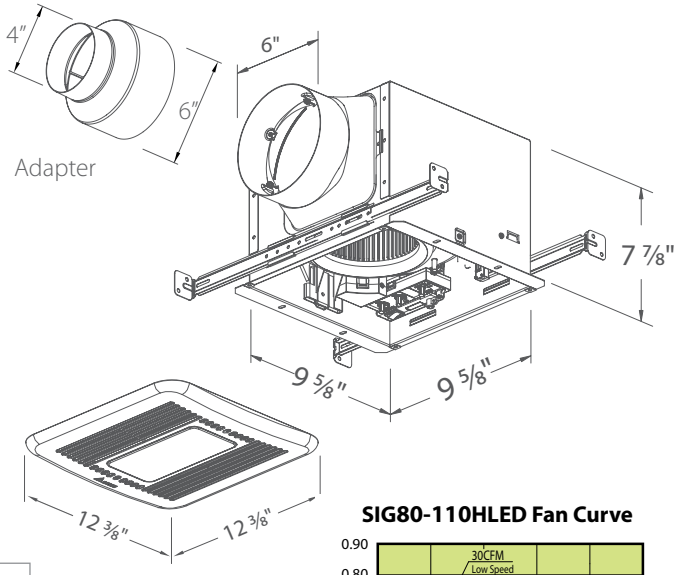
- Blue and amber LED indicator lights to show humidity sensor and full speed modes

Warranty

- 3-Year limited warranty

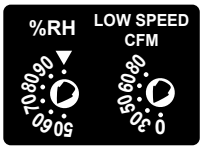
TYPICAL SPECIFICATION

Ventilation fan shall be Delta Breez model SIG80-110HLED; ENERGY STAR qualified with Brushless DC Motor engineered to run continuously for a minimum 70,000 hours; airflow rating of 110 CFM and loudness rating of <0.3 Sones at 0.1" static pressure as certified by the Home Ventilating Institute (HVI); power consumption of 9.7 Watts with efficiency rating of 12.7 CFM/Watt at 0.1" static pressure; fan will feature motor lock protection and self-compensating motor speed for intended airflow when static pressure is encountered. UL and cUL listed for tub/shower enclosure when used with GFCI-protected branch circuit wiring.

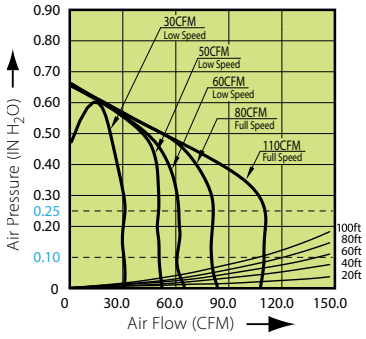


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Fan Speed	Continuous Low Speed								Full Speed			
Static Pressure (Inches w.g.)	0.1	0.25	0.1	0.25	0.1	0.25	0.1	0.25	0.1	0.25	0.1	0.25
Air Flow (CFM)	30	30	50	50	60	60	80	80	80	80	110	110
Sones	<0.3	<0.3	<0.3	<0.3	<0.3	0.3	<0.3	0.5	<0.3	0.5	<0.3	0.8
Power Consumption (Watts)	4.4	6.7	5.2	8.2	5.6	8.7	6.8	9.9	6.8	9.9	9.7	15.5
Energy Efficiency (CFM/Watts)	9.5	5.8	12.3	7.1	13.2	8.0	13.8	8.4	13.8	8.4	12.7	8.0
Current (Amps)	0.48 Max											
Power Rating (V/Hz)	120/60											
LED Main Light (Watts)	13											
LED Night Light (Watts)	2											



SIG80-110HLED Fan Curve



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

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