



DELTA BREEZ IAQ SOLUTIONS  
Perfectly Quiet. Perfectly Green.

A collage of images showing various Delta Breez IAQ solutions in use. It includes a ceiling fan, a bathroom fan, a kitchen range hood, and a portable air purifier. The central text 'ENJOY THE breez' is overlaid on a blue background with a white ceiling fan. Below it, the tagline 'COMFORT LIVING. ENERGY SAVING.' is displayed. The collage also features a modern living room with a blue sofa, a kitchen with a range hood, and a bathroom with a fan. The overall theme is comfort, energy efficiency, and indoor air quality.

## ENJOY THE breez

COMFORT LIVING. ENERGY SAVING.

STAY FRESH / QUIETLY EFFICIENT IN EVERY WAY





## Performance and Exceptional Value

Delta Breez Indoor Air Quality solutions has been honored with the **2023 ENERGY STAR®**

**Partner of the Year for Sustained Excellence** – underscoring our commitment to engineering the most innovative products for a better tomorrow.

Delta Breez is the only manufacturer to exclusively use state-of-the-art brushless DC motors in all of our fans. Here's a sampling of our rich features:

- Save more energy – up to 85% less compared to AC motors
- Exceed ENERGY STAR® efficiency requirements by more than 300%
- Long reliability and trouble-free operation, outlasting AC motors by 2-1/2 times
- Virtually silent - as low as <0.3 sones to maximize homeowner satisfaction
- Optional speed, built-in motion and humidity-sensing controls
- LED lighting, designer grilles and Bluetooth® speakers

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Smarter. Greener. Together.

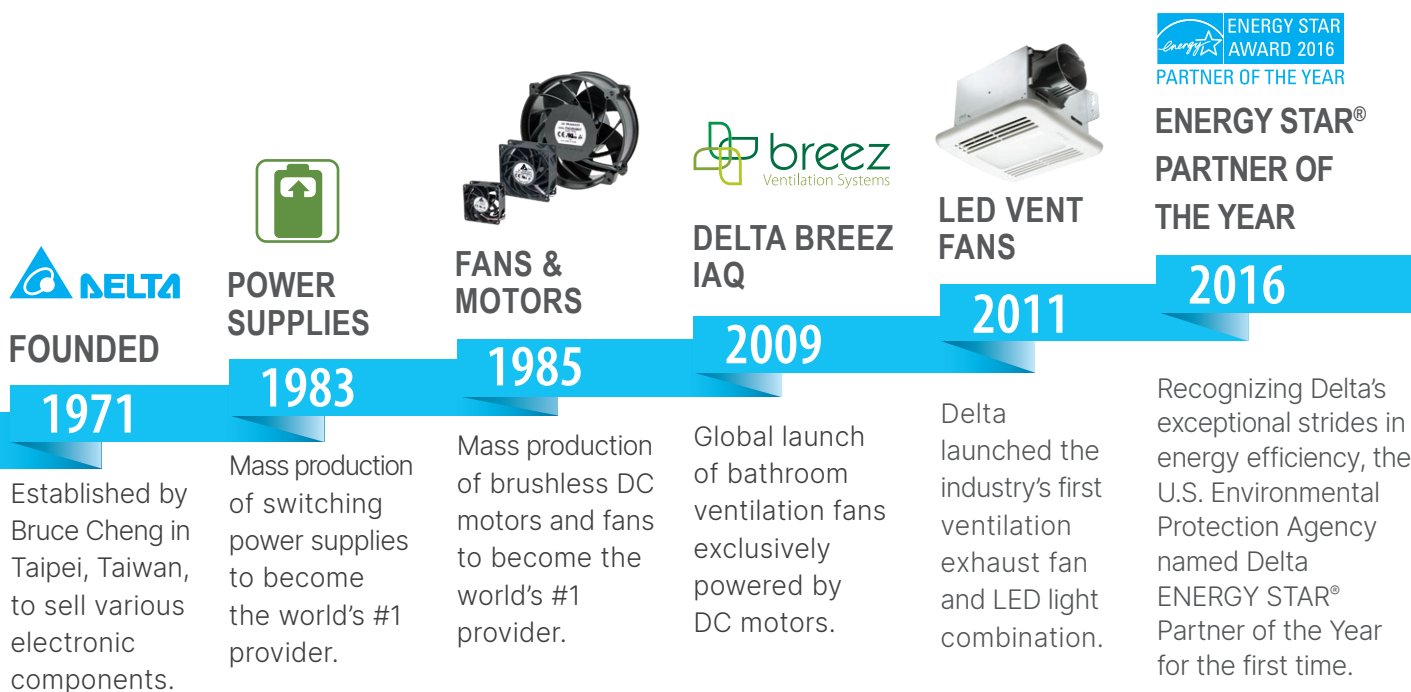
# VENTILATION RE-IMAGINED

## Introduction to Delta

**In 2009, Delta Breez ushered in a new era** for bathroom ventilation and the Indoor Air Quality (IAQ) industry by launching a line of exhaust fans powered exclusively by DC motors – which are known for their legendary reliability, silent performance and energy-efficiency. By re-inventing the ubiquitous bath fan, we've saved consumers a lot of money on their electricity bills and enabled countless families to breathe easier.

**Precision engineering lives in our DNA.** In 1971, the Delta Group was founded with the mission of providing “innovative, clean and energy-efficient solutions for a better tomorrow.” We are the world's largest manufacturer of brushless DC fans for all applications from consumer electronics to industrial equipment. Our footprint spans the globe with more than \$9 billion in annual revenues, 48 plant sites, 72 R&D centers and 158 sales offices. Our U.S. and Americas headquarter is located in the heart of Silicon Valley in Fremont, California.

**Innovating for future generations starts today.** Our commitment and vision run deep – with a focus on developing the best and most energy-efficient solutions. In 2018, we sent shockwaves through the industry when we unveiled the market's first edge-lit LED light and bathroom fan combination. Offering consumers new choices is important for us, and Delta will only continue to push the envelope.







## DC MOTORS EXPLAINED

*Reliable. Silent. Efficient. Innovative.*

### Legendary reliability and performance.

Each DC motor Delta Breez fan is tested to run continuously for 70,000 hours, which is the equivalent of 8 years.

### So quiet, you forget it's on.

Brushless technology and precision engineering mean near silent performance, as low as <0.3 sones – the lowest sound rating in the industry.

### An energy efficiency workhorse.

Our fans use up to 74% less power than typical AC motor fans, and we exceed ENERGY STAR® requirements for efficiency by as much as 339%

### Smart fan technology protects your family.

Our proprietary lock protection system stops the fan from overheating.



BLUETOOTH 

2017

Feel the rhythm and jam to your favorite tunes! Delta Breez entered the digital era with the first Bluetooth® enabled fans to stream music, sports and news.



EDGE-LIT  
LED LIGHTS

2018

Delta designed the industry's first ever edge-lit LED bathroom ventilation fans. Disguised as a sleek LED light fixture, our edge-lit LED fans give any room a welcome facelift and is perfect for décor enthusiasts.



AIR MOVER

2022

Delta introduces the first DC motor centrifugal air mover that is more energy-efficient, quieter, and lighter than ever before.



CEILING FANS

2022

New ceiling fans meet the highest efficiency standards, recognized as ENERGY STAR® Most Efficient, with smooth start-up, quiet operation, low vibration and uniform multi speed airflow for a great user experience.



ENERGY STAR®  
PARTNER-8TH  
YEAR

2023

Delta has won Partner of the Year for eight consecutive years and was also honored with the "Sustained Excellence" designation in 2018, 2019, 2020, 2021, 2022 and 2023.

# IMPORTANCE OF VENTILATION

## Ventilation Helps You Breathe Easy

Today's homes are being built tighter than ever and are highly insulated, due to increased standards for energy efficiency in the building code. However, this can result in poor indoor air quality with unhealthy air being sealed behind windows and doors. Without adequate ventilation, the concentration of indoor pollutants exponentially increases. Delta Breez bathroom ventilation fans help you breathe easy by exhausting the air when you need it. Our DC motor powered fans are built upon the quality and engineering expertise of nearly half a century of innovation. Ventilation is essential to improve indoor air quality. A reliable ventilation system must have the proper air flow for the designated space and be operated regularly.



## Indoor Air Pollution

Indoor air pollutants are generated throughout the home including combustion sources, building materials and cleaning products. Biological pollutants include mold, mildew, bacteria and pollen. Together, these pollutants can cause and exacerbate health problems, especially respiratory illnesses. High humidity and uncontrolled moisture in the home can result in higher pollutant concentrations, and increased growth of biological contaminants.



# THE DELTA BREEZ PROMISE

## The Path to Fresh Air

Delta Breez fans help control and reduce the moisture in your home to improved indoor air quality, and minimizing the risk of health problems. High humidity conditions typically result from showering and bathing. Therefore, proper bathroom ventilation is essential to improved indoor air quality. A reliable ventilation system must have the proper air flow for the designated space and be operated regularly.



## A Visionary in IAQ

Delta Breez leads the Indoor Air Quality (IAQ) industry with bathroom ventilation fans that are the gold standard for energy efficiency – saving consumers energy and money on their utility bills. All Delta Breez fans are powered by our signature brushless DC motor technology, which stands for unparalleled efficiency, legendary reliability and virtually silent operation.





# CERTIFICATIONS AND QUALIFICATIONS



## ENERGY STAR

ENERGY STAR, a joint program of the U.S. Department of Energy and the U.S. Environmental Protection Agency, identifies products in over 60 categories which meet rigorous energy efficiency standards. Established in 1992, ENERGY STAR is an internationally recognized label for U.S.-originating products that reduce greenhouse gas emissions without sacrificing performance or quality. ENERGY STAR-qualified products protect the environment by reducing energy consumption, which also reduces greenhouse gas emissions and saves consumers money on utility bills.

As an ENERGY STAR partner, Delta strives to engineer solutions that meet and surpass current standards in energy efficiency. Delta Breez prides ourselves on delivering ENERGY STAR-qualified products, some of which exceed the ENERGY STAR efficiency requirement by over 315%. With 106 ventilation fan models evaluated in 2022, 97 (92%) models were recognized as ENERGY STAR-qualified.

**For more information, visit**

[www.energystar.gov](http://www.energystar.gov)

## ENERGY STAR Most Efficient 2023



**Most Efficient  
2023**  
[www.energystar.gov](http://www.energystar.gov)

ENERGY STAR Most Efficient is a designation that recognizes the top products for the ENERGY STAR label.

Delta Breez currently has 97 ENERGY STAR®-qualified bathroom fans, with some models even exceeding the criteria by 315 percent. In fact, 31 fans from the Delta BreezSignature and BreezElite lines meet the toughest efficiency criteria set by the EPA – ENERGY STAR® Most Efficient 2023.



CALGreen is a state building code requirement for California that sets baseline efficiency and sustainability standards. High efficiency products such as Delta Breez ventilation fans help builders meet this requirement.

**For more information, visit**

[www.bsc.ca.gov/Home/CALGreen.aspx](http://www.bsc.ca.gov/Home/CALGreen.aspx)



HVI, the Home Ventilating Institute, is an organization that runs a standardized testing and certification program for a range of home ventilating products. Products are tested to qualify for various performance parameters and undergo random verification. All tests are conducted in third-party facilities that are independent of any manufacturer, while testing procedures are designed by HVI members according to internationally recognized guidelines. All Delta Breez ventilation fans are HVI lab tested and certified.

For more information about HVI, please visit: [www.hvi.org](http://www.hvi.org)



## ASHRAE 62.2

ASHRAE 62.2 publishes a national standard that applies to single-family homes and multi-family dwellings to ensure proper ventilation and acceptable indoor air quality. The standard is referenced in building codes and widely accepted by architects, engineers and mechanical contractors. ASHRAE 62.2 addresses minimum ventilation effectiveness and noise level performance of continuous and intermittent mechanical exhaust systems.

The following table summarizes the ventilation air requirements in CFM for homes of various sizes floor areas:

### Ventilation Air Requirement, CFM

Floor Area (ft <sup>2</sup> )	Bedrooms				
	0-1	2-3	4-5	6-7	>7
<1500	30	45	60	75	90
1501-3000	45	60	75	90	105
3001-4500	60	75	90	105	120
4501-5000	75	90	105	120	135
5001-7500	90	105	120	135	150
>7500	105	120	135	150	165

Most Delta Breez fan models are ASHRAE 62.2 compliant for both intermittent and continuous run applications. This means Delta Breez fans are operable according to 62.2 guidelines for airflow and meet the minimum noise level requirements.

# COMPREHENSIVE TESTING ENSURES RELIABILITY

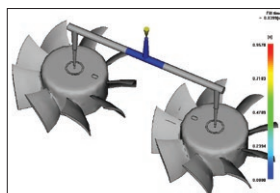
Testing procedures for ventilation fan reliability verification are conducted before, during and after production. Customers can rest easy, knowing the product's durability and long lifespan.

## Design and Analysis Technology

Delta's design and analysis technology utilizes 3D and 2D tools to conduct thorough examinations during the design and production phases. Software simulations help enable the highest standards of performance.

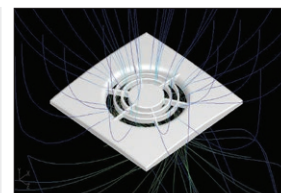
### Moldflow Analysis Software

Plastic mold



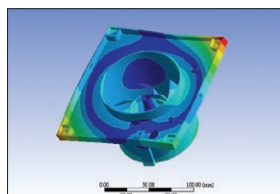
### Aerodynamic Simulation Software

Fan blade curve design and air flow analysis



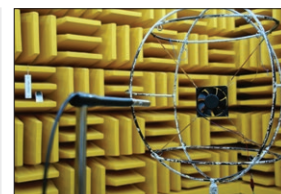
### Structure Simulation Software

Structural analysis for stress and vibration



### Semi-Anechoic Chamber

Noise testing for sound pressure and sound quality

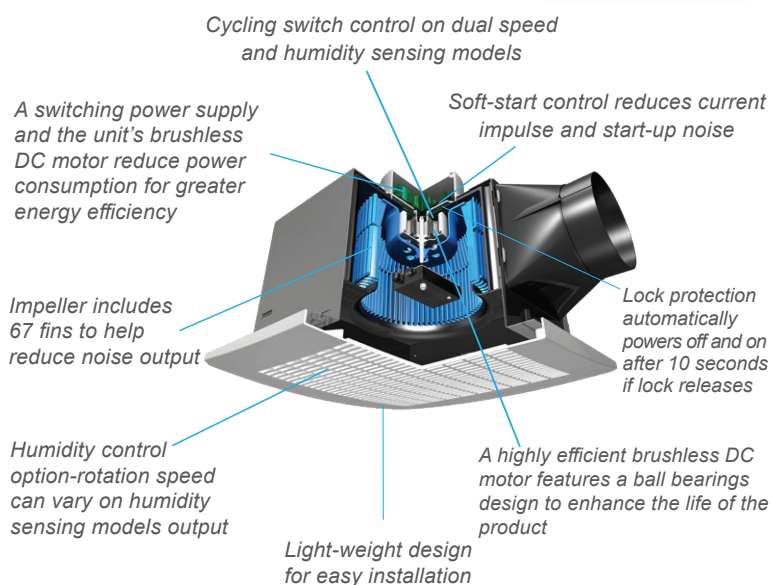


## Physical Testing for Ventilation Fan Reliability

Laboratory testing of Delta Breez products analyzes functionality and durability under harsh conditions, as well as construction for long life. The Basic Function Test checks current, speed and noise. The Safety Test includes leakage current, Hipot (high potential), ground bond and insulation testing. Comprehensive reliability testing continues with:

- Low Temperature and High Temp/Rating Voltage on/off Test
- Temperature Cycling and Power Switching
- Impeller Locked Test
- Thermal Shock
- Humidity Exposure
- Water Spray
- Random Vibration and Drop (packing)
- Operational and Non-operational Vibration
- Mechanical Shock
- Life Test

## Brushless DC Motor Fan Highlights





## Delta Breez Series Ventilation Fans

DeltaBreez is the only residential ventilation exhaust fan manufacturer that can deliver a powerful combination of ENERGY STAR®-qualification, performance, quietness, state-of-the-art brushless DC motor technology and affordability in every fan. Optional built-in speed, motion and/or humidity-sensing controls — plus decorative or edge-lit dimmable LED lighting, heater, designer fan grille and Bluetooth® speakers, to satisfy consumer preferences and building codes.

**Choose from different series:**



**Virtually silent, feature-rich.**

One of our highest performing, most quiet series at less than 0.3 sones. High speed 80 or 110 CFM. For spaces 80-110 sq. ft. Options include adjustable high and/or low speeds, dimmable LED light or dimmable edge-lit LED light, motion and/or adjustable humidity sensor, Bluetooth® speaker. Ceiling Radiation Damper, designer grille, and metal grille available separately. UL listed for ceiling mount only.



**Virtually silent, feature-rich.**

One of our highest performing, most quiet series at less than 0.3 sones. High speed 130 CFM, 150 CFM, or 200 CFM. For spaces 130 to 200 sq. ft. Options include adjustable low speeds, LED light, motion or adjustable humidity sensor. Ceiling Radiation Damper and metal grille available separately. UL listed for ceiling mount only.



**Affordable performance, feature-rich with very quiet operation from 0.5 to 0.7 sones.**

Innovative, pocket mounting brackets stay hidden and slide out for room-size installation in remodeling projects and for time-saving installation in new construction projects, a solution where space is at a premium. High speed 80 or 110 CFM. For spaces 80-110 sq. ft. Options include adjustable high and/or low speeds, dimmable LED light, motion and/or adjustable humidity sensor. Ceiling Radiation Damper available. UL listed for ceiling mount only.



**Builders' best solution.**

High speed 80 or 100 CFM. For spaces 80-100 sq. ft. Quiet operation from 0.8 to 1.5 sones. Options include adjustable low speed, dimmable LED light, and decorative LED light, motion and/or humidity sensor. Ceiling Radiation Damper and designer grille available separately. Fan only and fans with humidity sensor are UL listed for ceiling and wall mount; fans/LED light are UL listed for ceiling mount only.



**Economical solution.**

Single speed 50, 80 or 100 CFM. For spaces 50-100 sq. ft. Quiet operation from 0.7 to 1.5 sones. Options include dimmable LED light or dimmable edge-lit LED light, adjustable humidity sensor, Bluetooth® speaker. Ceiling Radiation Damper and designer grille available separately. Fan only and fans with humidity sensor are UL listed for ceiling and wall mount; fans/LED lights are UL listed for ceiling mount only.





**Ultimate multi-family solution.** Single speed 50, 70, 80, 100, dual speed 70, and high speed 80 or 110 CFM. For spaces 50-110 sq. ft. Quiet operation from 0.4 to 2.0 sones. Options include adjustable high and/or low speeds, dimmable LED light, dual speed or built-in humidity sensor. Low profile, with 4" deep housing to fit in 2x4 sidewalls. Designer grille available separately for SLM50, SLM70, SLM70D and SLM70H. Ceiling Radiation Damper available separately for SLM80-110D-C, SLM80-110DLED-C and SLM80-110H-C & SLM50-110-C series. UL listed for ceiling and wall mount.



**Fan design solution.**  
80 CFM fan disguised as a recessed light with LED main light and night light. For 80 sq. ft. spaces. Quiet operation at 1.5 sones. UL approved for ceiling mount only.



**Fan/heater solution to warm and delight.**  
Quiet operation from 0.7 to 1.5 sones. 80 or 110 CFM for spaces 80-110 sq. ft. Options include dimmable LED light, or fan/heater only. Built-in thermostat to regulate room temperature for maximum comfort. UL approved for ceiling mount only.



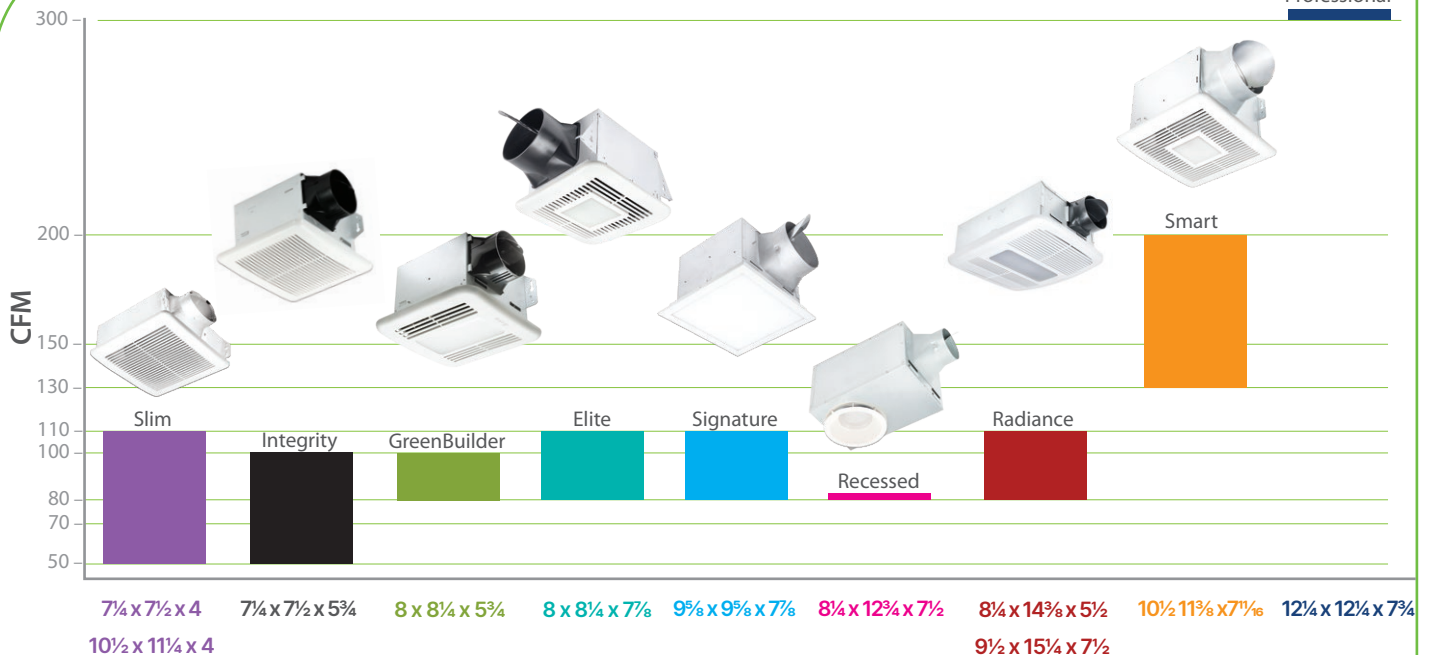
**Large space solution.**  
Single speed 300 CFM. Quiet operation at 2 sones. For spaces 300 sq. ft. Perfect for large bathrooms, laundry rooms, conference rooms. UL approved for ceiling mount only.



Professional



Smart



Fan Housing Size in inches (W x H x D)



## 6 and 4 Inch Duct Series

**Virtually silent, feature-rich. Our highest performing, most quiet series at less than 0.3 sones.**

High speed 80 or 110 CFM. For spaces 80-110 sq. ft. Options include adjustable high and/or low speeds, dimmable LED light and edge-lit dimmable LED light, motion and/or adjustable humidity sensor. Ceiling Radiation Damper, designer grille, and metal grille available separately. UL listed for ceiling mount only.

### Features:

- Energy savings up to 127%<sup>1</sup> with 6" metal duct
- <0.3 sones - lowest noise level among competing fans
- Exceed Energy Star efficiency standards by 450%<sup>2</sup>
- Adjustable high speed of 80 or 110 CFM
- Dual speed, motion-sensing and humidity-sensing options with continuous adjustable low-speed
- Includes 6" to 4" duct reducer

### Fan/Dimmable LED Light:

- 13-Watt LED main light and 2-Watt LED night light
- Main light output of 950 lumens, 3000K and 90 CRI
- Dimmable LED light (dimmer switch not included)

### Fan/Edge-Lit Dimmable LED Light with Adjustable Color Temperature 3000K, 4000K and 5000K

- 13-Watt LED main light output 1000 lumens

1. Based upon SIG80-110 vs. market AC motor.

2. Based upon SIG80 CFM vs. ENERGY STAR v4.0 criteria for residential ventilating fans



Fan only and Fan with Humidity Sensor or Dual Speed



Fan/Edge-lit Dimmable LED Light/adjustable color temperature

- 3000K
  - 4000K
  - 5000K
- CCT Switch



Fan/ Dimmable LED Light/ Night-Light (Options: Fan with Dual Speed, Humidity Sensor or Motion Sensor)



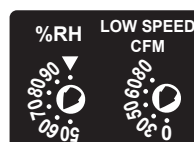
High Speed Switch



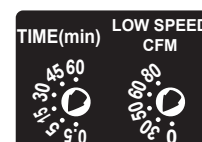
Adapter 4" duct

### Built-in Controls:

SIG80-110H  
SIG80-110HLED  
SIG80-110MH  
SIG80-110MHLED  
Controls



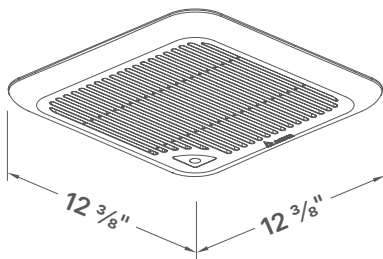
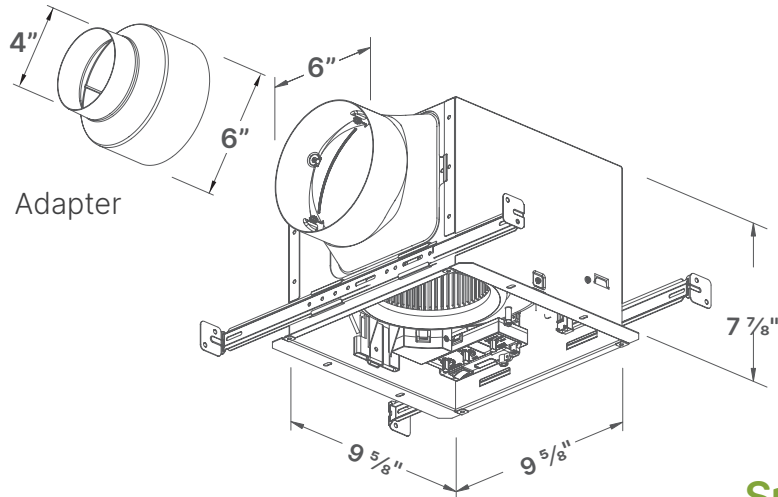
SIG80-110D  
SIG80-110DLED  
Controls



SIG80-110MHLED  
Motion Controls

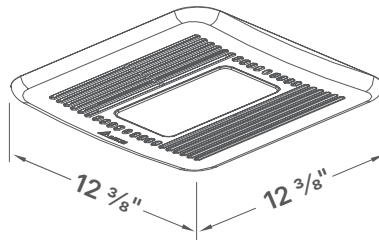


## BreezSignature Series Dimensions



Fan Grille with motion sensor

Fan/Dimmable LED Light Grille



## Operation Indicator Light:

### SIG80-110

#### SIG80-110LED Full Speed



### SIG80-110D

#### Low Speed



#### Full Speed



### SIG80-110DLED

#### Low Speed



#### Full Speed



### SIG80-110MHLED

#### Low Speed



#### Full Speed



### SIG80-110H

#### SIG80-110MH

#### SIG80-110HLED

#### Humidity Sensing



#### Full Speed



	Delta Breez	Market AC Motor
Energy Use (Watts)	6.2	31.4
Noise Level (Sones)	<0.3	0.7
Annual Energy Cost per Fan (24/7) <sup>1</sup>	\$6.50	\$33.03

1. Calculations based upon U.S. average retail electricity. Actual results may vary

## Specifications

### SIG80-110\* - 80/110 CFM Fan



	6" Duct Standard			
Static Pressure (Inches w.g.)	0.1	0.25	0.1	0.25
Air Flow (CFM)	80	80	110	110
Sones	<0.3	0.5	<0.3	0.8
Power Consumption (Watts)	6.2	9.9	8.2	14.1
Energy Efficiency (CFM/Watts)	15.4	9.0	15.3	8.7
Current (Amps)	0.38 Max			
Power Rating (V/Hz)	120/60			

### SIG80-110\* - 80/110 CFM Fan



	4" Duct Standard			
Static Pressure (Inches w.g.)	0.1	0.25	0.1	0.25
Air Flow (CFM)	80	80	110	110
Sones	<0.3	1.2	1.0	2.0
Power Consumption (Watts)	7.4	11.8	12	17.5
Energy Efficiency (CFM/Watts)	12.5	7.9	10.5	6.9
Current (Amps)	0.38 Max			
Power Rating (V/Hz)	120 / 60			

### SIG80-110LED\* - 80/110 CFM Fan/ Dimmable LED Light/Night-Light



	6" Duct Standard			
Static Pressure (Inches w.g.)	0.1	0.25	0.1	0.25
Air Flow (CFM)	80	80	110	110
Sones	<0.3	0.5	<0.3	0.8
Power Consumption (Watts)	6.8	9.9	9.7	15.5
Energy Efficiency (CFM/Watts)	13.8	8.4	12.7	8.0
Current (Amps)	0.48 Max			
Power Rating (V/Hz)	120/60			
Light (Watts/Lumens)	13/800			
Night Light (Watts)	2			

### SIG80-110LED - 80/110 CFM Fan/ Dimmable LED Light/Night-Light



	4" Duct Standard			
Static Pressure (Inches w.g.)	0.1	0.25	0.1	0.25
Air Flow (CFM)	80	80	110	106
Sones	<0.3	1.2	1.0	2.0
Power Consumption (Watts)	7.8	12.5	13.5	18.0
Energy Efficiency (CFM/Watts)	12.2	7.5	9.3	6.5
Current (Amps)	0.48 Max			
Power Rating (V/Hz)	120 / 60			
Light (Watts/Lumens)	13/800			
Night Light (Watts)	2			





## 6 and 4 Inch Duct Series Specifications (Cont.)

### SIG80-110ELED\* - 80/110 CFM Fan



Edge-lit Dimmable LED Light w/ adjustable color temperature

	6" Duct Standard			
Static Pressure (Inches w.g.)	0.1	0.25	0.1	0.25
Air Flow (CFM)	80	80	110	109
Sones	<0.3	0.8	0.5	1.0
Power Consumption (Watts)	7.5	11.5	9.9	15.5
Energy Efficiency (CFM/Watts)	11.7	7.6	11.8	7.3
Current (Amps)	0.48 Max			
Power Rating (V/Hz)	120/60			
LED Light (Watts/Lumens)	13/1000			
Night Light (Watts)	2			

### SIG80-110ELED - 80/110 CFM Fan/



Edge-lit Dimmable LED Light w/ adjustable color temperature

	4" Duct Standard			
Static Pressure (Inches w.g.)	0.1	0.25	0.1	0.25
Air Flow (CFM)	80	79	110	99
Sones	0.3	1.1	1.0	1.4
Power Consumption (Watts)	8.5	12.5	14	15.5
Energy Efficiency (CFM/Watts)	10.7	7.0	8.1	6.6
Current (Amps)	0.48 Max			
Power Rating (V/Hz)	120 / 60			
LED Light (Watts/Lumens)	13/1000			
Night Light (Watts)	2			

### SIG80-110D\* - 80/110 CFM Fan with Dual Speed



	6" Duct Standard									
Fan Speed	Continuous Low Speed					Full Speed				
Static Pressure (in w.g.)	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	110	110
Sones	<0.3	<0.3	<0.3	<0.3	<0.3	0.3	<0.3	0.5	<0.3	0.6
Power (Watts)	4.4	6.3	4.8	7.3	5.5	8.6	6.2	9.9	8.2	14.1
Efficiency (CFM/Watts)	9.0	5.9	13.5	8.0	13.3	8.0	15.4	9.0	15.3	8.7
Current (Amps)	0.38 Max									
Power Rating (V/Hz)	120/60									

### SIG80-110D\* - 80/110 CFM Fan with Dual Speed



	4" Duct Standard									
Fan Speed	Continuous Low Speed					Full Speed				
Static Pressure (in w.g.)	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	57	80	80	110	110
Sones	<0.3	<0.3	<0.3	0.5	<0.3	0.8	<0.3	1.2	1.0	2.0
Power (Watts)	4.5	6.9	5.2	8.2	5.8	9	7.4	11.8	12	17.5
Efficiency (CFM/Watts)	8.9	6.0	12.0	7.0	13.3	7.6	12.5	7.9	10.5	6.9
Current (Amps)	0.38 Max									
Power Rating (V/Hz)	120/60									

### SIG80-110DLED\* - 80/110 CFM Fan/Dimmable LED Light/Night-Light with Dual Speed



	6" Duct Standard									
Fan Speed	Continuous Low Speed					Full Speed				
Static Pressure (in w.g.)	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	110	110
Sones	<0.3	<0.3	<0.3	<0.3	<0.3	0.3	<0.3	0.5	<0.3	0.8
Power (Watts)	4.4	6.7	5.2	8.2	5.6	8.7	6.8	9.9	9.7	15.5
Efficiency (CFM/Watts)	9.5	5.8	12.3	7.1	13.2	8.0	13.8	8.4	12.7	8.0
Current (Amps)	0.48 Max									
Power Rating (V/Hz)	120/60									
Light (Watts/Lumens)	13/1000									
Night Light (Watts)	2									

### SIG80-110DLED - 80/110 CFM Fan/Dimmable LED Light/Night-Light with Dual Speed



	4" Duct Standard									
Fan Speed	Continuous Low Speed					Full Speed				
Static Pressure (in w.g.)	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	58	80	80	110	106
Sones	<0.3	<0.3	<0.3	0.5	<0.3	0.8	<0.3	1.2	1.0	2.0
Power (Watts)	4.5	7.1	5.4	8.2	6.3	9.5	7.8	12.5	13.5	18.0
Efficiency (CFM/Watts)	9.1	6.0	11.7	7.1	12.2	7.3	12.2	7.5	9.3	6.5
Current (Amps)	0.48 Max									
Power Rating (V/Hz)	120/60									
Light (Watts/Lumens)	13/1000									
Night Light (Watts)	2									

### SIG80-110H\* - 80/110 CFM Fan with Humidity Sensor



	6" Duct Standard									
Fan Speed	Continuous Low Speed					Full Speed				
Static Pressure (in w.g.)	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	110	110
Sones	<0.3	<0.3	<0.3	<0.3	<0.3	0.3	<0.3	0.5	<0.3	0.6
Power (Watts)	4.4	6.3	4.8	7.3	5.5	8.6	6.2	9.9	8.2	14.1
Efficiency (CFM/Watts)	9.0	5.9	13.5	8.0	13.3	8.0	15.4	9.0	15.3	8.7
Current (Amps)	0.38 Max									
Power Rating (V/Hz)	120/60									

**SIG80-110H\* - 80/110 CFM**  
Fan with Humidity Sensor



4" Duct Standard										
Fan Speed	Continuous Low Speed						Full Speed			
Static Pressure (in w.g.)	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	57	80	80	110	110
Sones	<0.3	<0.3	<0.3	0.5	<0.3	0.8	<0.3	1.2	1.0	2.0
Power (Watts)	4.5	6.9	5.2	8.2	5.8	9	7.4	11.8	12	17.5
Efficiency (CFM/Watts)	8.9	6.0	12.0	7.0	13.3	7.6	12.5	7.9	10.5	6.9
Current (Amps)	0.38 Max									
Power Rating (V/Hz)	120/60									

**SIG80-110HLED\* - 80/110 CFM**  
Fan/Dimmable LED Light/Night-Light with Humidity Sensor



6" Duct Standard										
Fan Speed	Continuous Low Speed						Full Speed			
Static Pressure (in w.g.)	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	110	110
Sones	<0.3	<0.3	<0.3	<0.3	<0.3	0.3	<0.3	0.5	<0.3	0.8
Power (Watts)	4.4	6.7	5.2	8.2	5.6	8.7	6.8	9.9	9.7	15.5
Efficiency (CFM/Watts)	9.5	5.8	12.3	7.1	13.2	8.0	13.8	8.4	12.7	8.0
Current (Amps)	0.48 Max									
Power Rating (V/Hz)	120/60									
Light (Watts/Lumens)	13/800									
Night Light (Watts)	2									

**SIG80-110HLED - 80/110 CFM**  
Fan/Dimmable LED Light/Night-Light with Humidity Sensor



4" Duct Standard										
Fan Speed	Continuous Low Speed						Full Speed			
Static Pressure (in w.g.)	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	58	80	80	110	106
Sones	<0.3	<0.3	<0.3	0.5	<0.3	0.8	<0.3	1.2	1.0	2.0
Power (Watts)	4.5	7.1	5.4	8.2	6.3	9.5	7.8	12.5	13.5	18.0
Efficiency (CFM/Watts)	9.1	6.0	11.7	7.1	12.2	7.3	12.2	7.5	9.3	6.5
Current (Amps)	0.48 Max									
Power Rating (V/Hz)	120/60									
Light (Watts/Lumens)	13/800									
Night Light (Watts)	2									

**SIG80-110MH\* - 80/110 CFM**  
Fan with Motion and Humidity Sensor



6" Duct Standard										
Fan Speed	Continuous Low Speed						Full Speed			
Static Pressure (in w.g.)	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	110	110
Sones	<0.3	<0.3	<0.3	<0.3	<0.3	0.3	<0.3	0.5	<0.3	0.6
Power (Watts)	4.4	6.3	4.8	7.3	5.5	8.6	6.2	9.9	8.2	14.1
Efficiency (CFM/Watts)	9.0	5.9	13.5	8.0	13.3	8.0	15.4	9.0	15.3	8.7
Current (Amps)	0.38 Max									
Power Rating (V/Hz)	120/60									

**SIG80-110MH\* - 80/110 CFM**  
Fan with Motion and Humidity Sensor



4" Duct Standard										
Fan Speed	Continuous Low Speed						Full Speed			
Static Pressure (in w.g.)	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	57	80	80	110	110
Sones	<0.3	<0.3	<0.3	0.5	<0.3	0.8	<0.3	1.2	1.0	2.0
Power (Watts)	4.5	6.9	5.2	8.2	5.8	9	7.4	11.8	12	17.5
Efficiency (CFM/Watts)	8.9	6.0	12.0	7.0	13.3	7.6	12.5	7.9	10.5	6.9
Current (Amps)	0.38 Max									
Power Rating (V/Hz)	120/60									

**SIG80-110MHLED\* - 80/110 CFM**  
Fan/Dimmable LED Light/Night-Light with Motion and Humidity Sensor



6" Duct Standard										
Fan Speed	Continuous Low Speed						Full Speed			
Static Pressure (in w.g.)	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	110	110
Sones	<0.3	<0.3	<0.3	<0.3	<0.3	0.3	<0.3	0.5	<0.3	0.8
Power (Watts)	4.4	6.7	5.2	8.2	5.6	8.7	6.8	9.9	9.7	15.5
Efficiency (CFM/Watts)	9.5	5.8	12.3	7.1	13.2	8.0	13.8	8.4	12.7	8.0
Current (Amps)	0.48 Max									
Power Rating (V/Hz)	120/60									
Light (Watts/Lumens)	13/800									
Night Light (Watts)	2									

**SIG80-110MHLED - 80/110 CFM Fan**  
Dimmable LED Light/Night-Light with Motion and Humidity Sensor



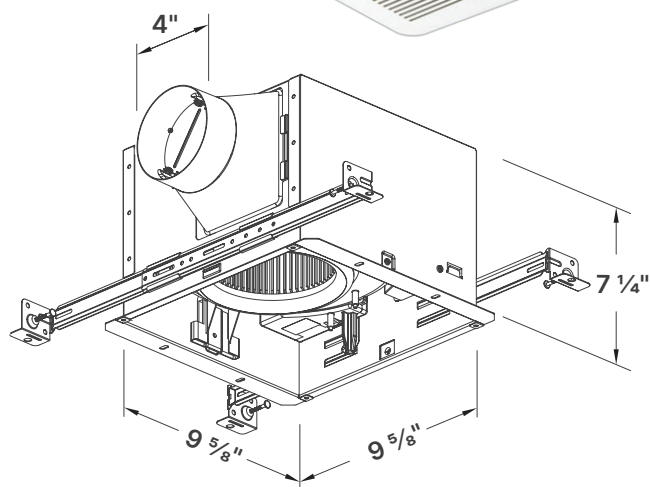
4" Duct Standard										
Fan Speed	Continuous Low Speed						Full Speed			
Static Pressure (in w.g.)	0.1	0.25	0.1	0.25	0.1	0.25	0.1	0.25	0.1	0.25
Air Flow (CFM)	30	30	50	50	60	58	80	80	110	106
Sones	<0.3	<0.3	<0.3	0.5	<0.3	0.8	<0.3	1.2	1.0	2.0
Power (Watts)	4.5	7.1	5.4	8.2	6.3	9.5	7.8	12.5	13.5	18.0
Efficiency (CFM/Watts)	9.1	6.0	11.7	7.1	12.2	7.3	12.2	7.5	9.3	6.5
Current (Amps)	0.48 Max									
Power Rating (V/Hz)	120/60									
Light (Watts/Lumens)	13/800									
Night Light (Watts)	2									



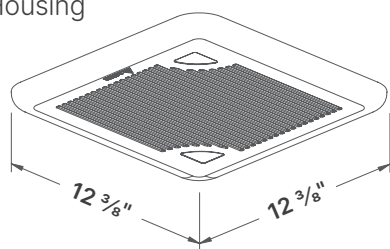
\* Product is designated ENERGY STAR Most Efficient 2023 and ENERGY STAR qualified



## 4 Inch Duct Series

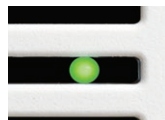


Fan Housing



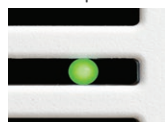
Fan Grille

LED Indicator Light:  
SIG80 and SIG110



LED Indicator Light: SIG80D

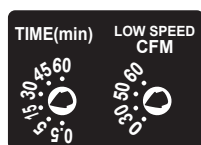
Continuous  
Low Speed



Full Speed



SIG80D  
Controls



## Specifications

### SIG80 - 80 CFM Single Speed Exhaust Fan



Static Pressure (in w.g.)	0.1	0.25
Air Flow (CFM)	80	79
Sones	<0.3	0.5
Power Consumption (Watts)	8.7	14.0
Energy Efficiency (CFM/Watts)	9.7	6.3
Current (Amps)	0.30 Max	
Power Rating (V/Hz)	120/60	

### SIG80D - 80 CFM Dual Speed Exhaust Fan



Static Pressure (in w.g.)	0.1	0.25	0.1	0.25	0.1	0.25	0.1	0.25
Air Flow (CFM)	30	31	50	50	60	61	80	79
Sones	<0.3	<0.3	<0.3	<0.3	<0.3	0.3	<0.3	0.5
Power (Watts)	4.8	8.9	6.6	9.8	6.7	11.8	8.7	14.0
Efficiency (CFM/Watts)	7.7	4.1	8.4	5.2	9.9	5.6	9.7	6.3
Current (Amps)	0.30 Max							
Power Rating (V/Hz)	120/60							

### SIG110 - 110 CFM Single Speed Exhaust Fan



Static Pressure (in w.g.)	0.1	0.25
Air Flow (CFM)	110	95
Sones	<0.3	0.6
Power Consumption (Watts)	13.6	16.0
Efficiency (CFM/Watts)	9.0	6.4
Current (Amps)	0.38 Max	
Power Rating (V/Hz)	120/60	



	Delta Breez	Market AC Motor
Energy Use (Watts)	8.7	28.4
Noise Level (Sones)	<0.3	0.8
Annual Energy Cost per Fan (24/7) <sup>1</sup>	\$9.15	\$29.94

1. Calculations based upon U.S. average retail electricity. Actual results may vary





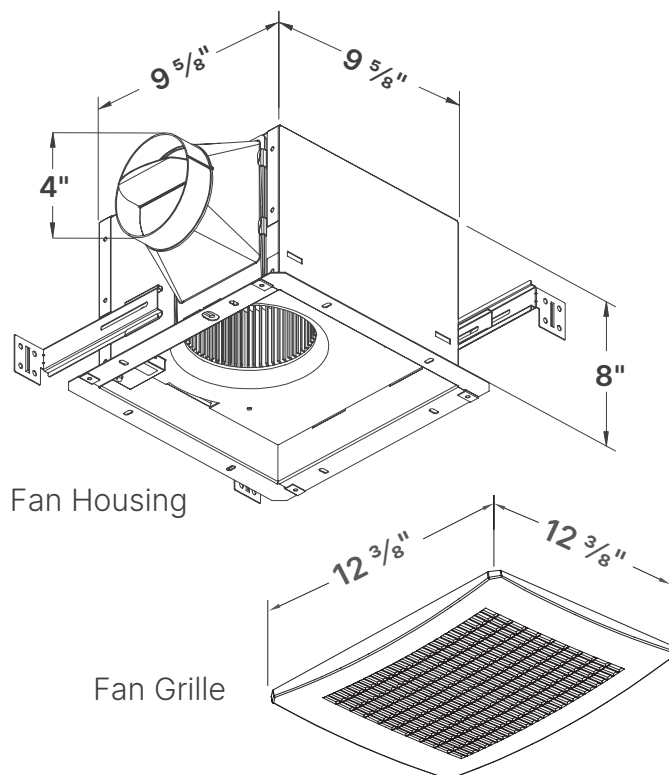
## 4 Inch Duct Series

The Delta BreezSignature G1 Series ventilation fans come in 4 different models. All of the BreezSignature fans feature quiet operation, low power consumption and Delta's durable brushless DC motor.

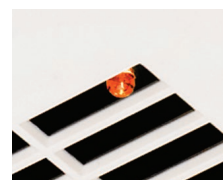
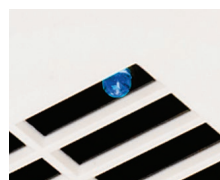
### Features:

Innovative design for long life, low noise, and low power consumption.

- Energy savings up to 74%
- Lowest sone level rated by HVI at <0.3 Sones
- Exceeds ENERGY STAR requirements by 292% in energy efficiency<sup>1</sup>



LED light underneath grille indicates fan mode:  
Humidity Sensing      Full Speed Operation



## Specifications

### VFB25ACH - 80 CFM Humidity Sensor Exhaust Fan



Static Pressure (Inches w.g.)	0.1	0.25
Air Flow (CFM)	80	56
Sones	<0.3	0.8
Power Consumption (Watts)	7.2	9.3
Energy Efficiency (CFM/Watts)	11.0	6.0
Current (Amps)	0.15 @ 110Vac	
Power Rating (V/Hz)	110~220 / 50~60	

### VFB25ADH - 110 CFM Humidity Sensor Exhaust Fan



Static Pressure (Inches w.g.)	0.1	0.25
Air Flow (CFM)	110	81
Sones	1.0	1.5
Power Consumption (Watts)	14.2	15.0
Energy Efficiency (CFM/Watts)	7.7	5.3
Current (Amps)	0.22 @ 110Vac	
Power Rating (V/Hz)	110~220 / 50~60	

### VFB25AEH - 130 CFM Humidity Sensor Exhaust Fan



Static Pressure (Inches w.g.)	0.1	0.25
Air Flow (CFM)	130	105
Sones	2.0	N/A
Power Consumption (Watts)	22	22
Energy Efficiency (CFM/Watts)	6.7	5.9
Current (Amps)	0.22 @ 110Vac	
Power Rating (V/Hz)	110~220 / 50~60	



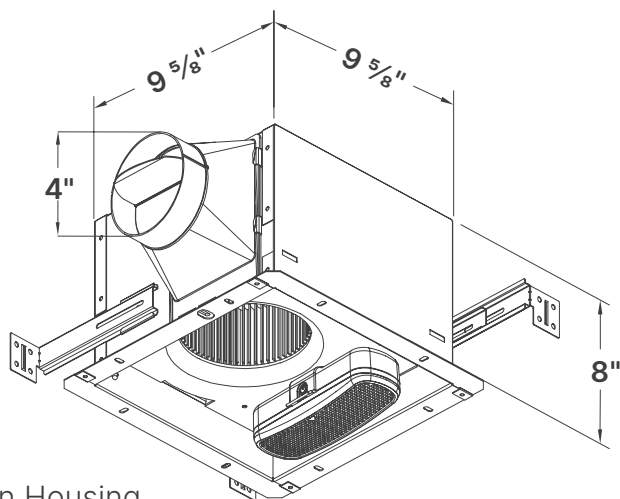


## 4 Inch Duct Series

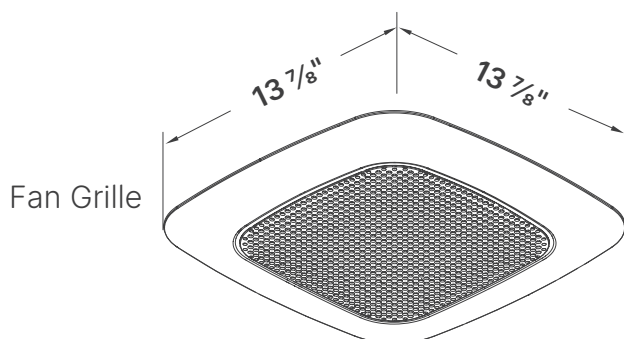
**VFB25ADBT 110 CFM** Fan with Bluetooth® stereo speaker enables you to enjoy your favorite music, or listen to news, weather, traffic or sports while the energy-efficient fan quietly ventilates your bathroom. Easily pairs with most Bluetooth wireless devices. Quiet operation at 1.0 sone, so you hear your entertainment, not the fan.

### Features:

- Long-lasting, brushless DC motor engineered to operate minimum 70,000 hours.
- Includes a built-in Bluetooth 2.1, Stereo Speaker 4 ohm 2W x 2
- Pair with most Bluetooth wireless devices
- Attractive grille complements any décor



Fan Housing



Fan Grille



Fan with Bluetooth® Speaker



## Specifications

### VFB25ADBT - 110 CFM Fan with Bluetooth



Static Pressure (Inches w.g.)	0.1	0.25
Air Flow (CFM)	110	81
Sones	1.0	1.5
Power Consumption (Watts)	14.2	15.0
Energy Efficiency (CFM/Watts)	7.7	5.3
Current (Amps)	0.3 @ 110 Vac	
Power Rating (V/Hz)	110~220/50~60	

The Bluetooth® word mark and logos are registered trademarks owned by Bluetooth® SIG, Inc. and any use of such marks by Delta Electronics, Inc. is under license. Other trademarks and trade names are those of their respective owners.

	Delta Breez	Market AC Motor
Energy Use (Watts)	14.2	34
Noise Level (Sones)	1.0	1.5
Annual Energy Cost per Fan (24/7) <sup>2</sup>	\$14.94	\$35.91

1. Based upon ENERGY STAR criteria for residential ventilating fans.

2. Based upon BreezSignature VFB25ACH vs. market AC motor fan.

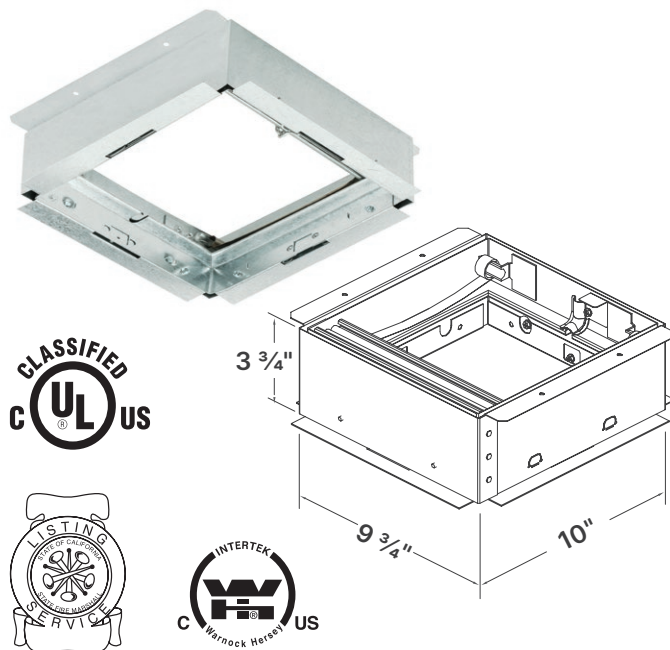


## Ceiling Radiation Damper SIG-CRD

The damper employs a folded curtain style blade for point-of-origin control of radiant heat in a ventilation system. SIG-CRD installs in the ceiling membrane for floor/ceiling or roof/ceiling assemblies with a fire resistance rating up to and including 3 hours.

### Features:

- UL listed as fan/damper assembly for the following Wood Frame Construction designs: L521, L546, L558, L562, L574, L576, L581, L583, L585, P522, P533, P538 and P545
- Meets both UL555C and UL263. UL and cUL listed and exceeds UL 555C for use in 3-hour fire rated assemblies
- Warnock-Hersey certified for use in fire rated floor ceiling or roof/ceiling assemblies. Warnock Hersey listing #: 102195501SAT-002
- CSFM listing: 3226-0368:104
- UL 555C listing: R27832
- Meets NFPA Standards: 90A and 101
- Meets Building Code Standards: IBC, NBC, NFPA, SBC, & UBC
- Available for use with Delta Breez SIG Series ventilation fans

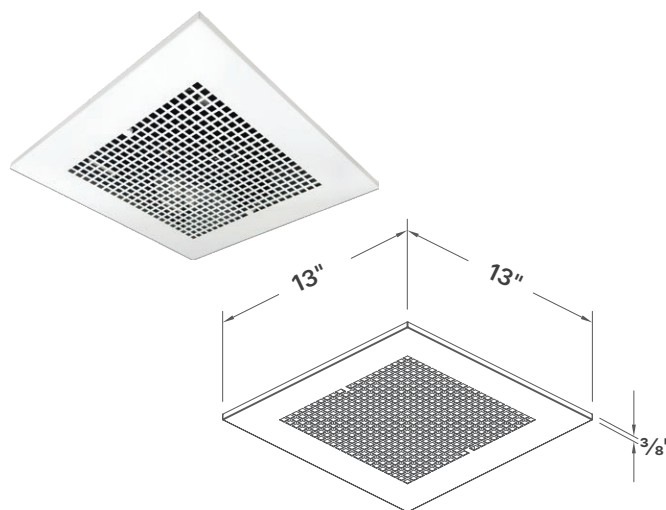


## Metal Grille SIG-MTL

The SIG-MTL metal grille is offered as an alternative to the standard grille on Delta Breez SIG80, SIG80D, SIG110, SIG80-110, SIG80-110D, SIG80-110H.

### Features:

- Adds modern aesthetic to bathroom
- Made of galvanized steel material and painted white
- Paintable for added customization
- Size: 13 × 13 × 3/8 inches

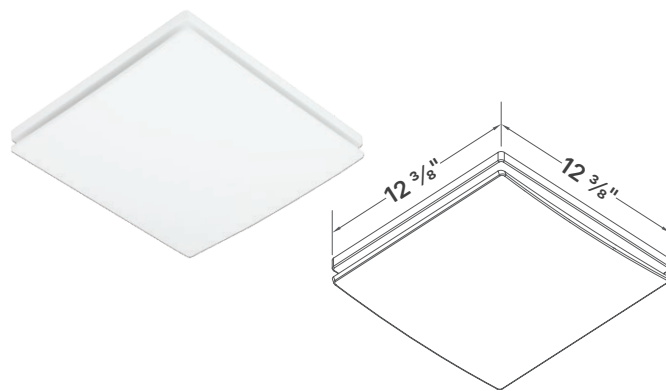


## Designer Grille SIG-DGL

The SIG-DGL designer fan grille is offered as an alternative to the standard grille on Delta Breez SIG80, SIG80D, SIG110, SIG80-110, SIG80-110D, SIG80-110H

### Features:

- Adds modern aesthetic to bathroom
- Made of long lasting ABS material
- Paintable to coordinate with any style bathroom
- Size: 12 3/8" x 12 3/8"







## 6 Inch Duct Series

**Affordable performance, feature-rich with very quiet operation from 0.5 to 0.7 sones.**

Innovative, pocket mounting brackets stay hidden and slide out for room-side installation in remodeling projects and for time-saving installation in new construction projects. A perfect solution where space is at a premium. High speed 80 or 110 CFM. For spaces 80-110 sq ft. Options include adjustable high and/or low speeds, dimmable LED light, motion and/or adjustable humidity sensor. Ceiling Radiation Damper available. UL listed for ceiling mount only.

### Features:

- Innovative brushless DC motor design for long life, low noise, and low power consumption
- Energy savings up to 67.1%<sup>1</sup> and 6" duct (standard)
- Lowest sone level rated by HVI as low as 0.7 sones
- Adjustable wings for easy installation
- Power consumption down to 10.3 Watts
- Exceeds ENERGY STAR efficiency<sup>2</sup> requirement by 202%
- Adjustable high speed of 80 or 110 CFM
- Dual speed, motion-sensing, and humidity-sensing options with continuous adjustable low-speed
- Includes 6" to 4" duct reducer
- Ceiling Radiation Damper available (fits GBR-CRD)

### Fan/Dimmable LED Light:

- 13-Watt LED light output of 850 lumens, 3000K and 90 CRI
- Dimmable LED light (dimmer switch not included)

pocket mounting brackets stay hidden



pocket mounting brackets slide out



Adapter 4" duct



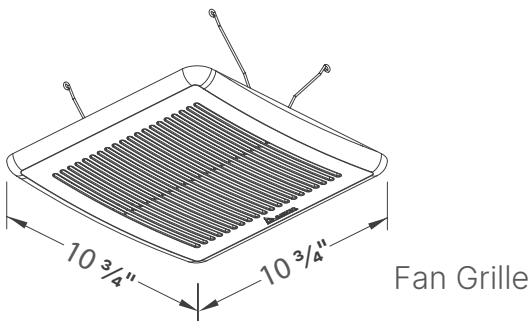
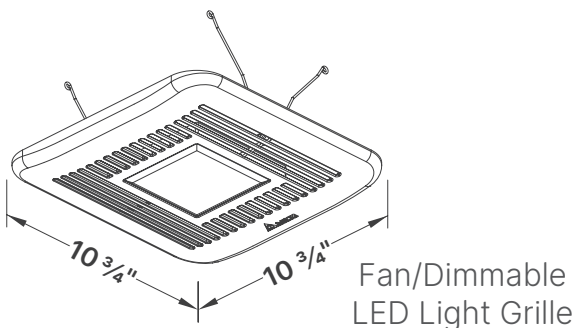
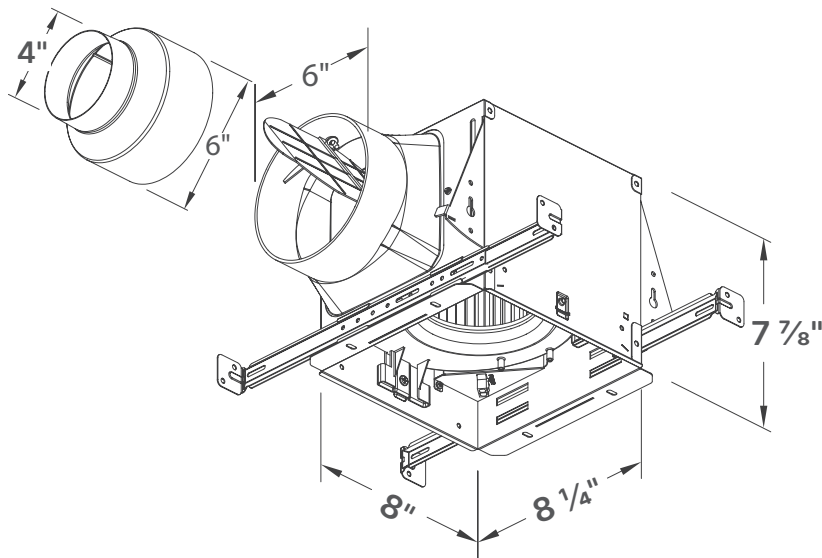
High Speed Switch

1. Based upon ELT80-110 vs. market AC motor with 6" duct.

2. Based upon ELT 110 CFM vs. ENERGY STAR v4.0 criteria for residential ventilating fans

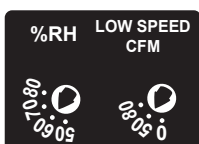


## 6 Inch Duct Series

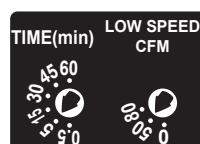


### Built-in Controls

ELT80-110H, ELT80-110HLED  
ELT80-110MH, ELT80-110MHLED

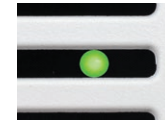


ELT80-110D  
ELT80-110DLED



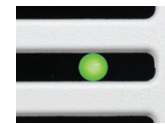
### LED Indicator Light:

ELT80-110, ELT80-110LED

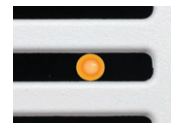


ELT80-110D, ELT80-110DLED

Low Speed

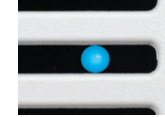


Full Speed



ELT80-110H, ELT80-110HLED,  
ELT80-110MH & ELT80-110MHLED

Humidity Sensing



Full Speed



## Specifications

### ELT80-110\* - 80/110 CFM Fan



Static Pressure (Inches w.g.)	0.1	0.25	0.1	0.25
Air Flow (CFM)	80	59	110	90
Sones	0.5	0.9	0.7	1.0
Power Consumption (Watts)	7	9	10.3	13
Energy Efficiency (CFM/Watts)	11.4	6.5	10.6	6.9
Current (Amps)	0.27 Max			
Power Rating (V/Hz)	120/60			

### ELT80-110LED\* - 80/110 CFM Fan Fan/Dimmable LED Light



Static Pressure (Inches w.g.)	0.1	0.25	0.1	0.25
Air Flow (CFM)	80	59	110	89
Sones	0.5	0.9	0.7	1.0
Power Consumption (Watts)	7	9	10.3	13
Energy Efficiency (CFM/Watts)	11.4	6.5	10.6	6.8
Current (Amps)	0.28 Max			
Power Rating (V/Hz)	120/60			
LED Light (Watts/Lumens)	13/850			



## 6 Inch Duct Series Specifications (Cont.)

### ELT80-110DLED\* - 80/110 CFM Fan Dimmable LED light w/ Dual Speed

Fan Speed	Continuous Low Speed				Full Speed			
Static Pressure (in w.g.)	0.1	0.25	0.1	0.25	0.1	0.25	0.1	0.25
Air Flow (CFM)	50	35	80	59	80	59	110	89
Sones	0.3	0.8	0.5	0.9	0.5	0.9	0.7	1.0
Power (Watts)	5	6	7	9	7	9	10.3	13
Efficiency (CFM/Watts)	10.0	5.8	11.4	6.5	11.4	6.5	10.6	6.8
Current (Amps)	0.28 Max							
Power Rating (V/Hz)	120 / 60							
Light (Watts/Lumens)	13 / 850							

### ELT80-110HLED\* - 80/110 CFM Fan/Dimmable LED Light with Humidity Sensor

Fan Speed	Continuous Low Speed				Full Speed			
Static Pressure (in w.g.)	0.1	0.25	0.1	0.25	0.1	0.25	0.1	0.25
Air Flow (CFM)	50	35	80	59	80	59	110	89
Sones	0.3	0.8	0.5	0.9	0.5	0.9	0.7	1.0
Power (Watts)	5	6	7	9	7	9	10.3	13
Efficiency (CFM/Watts)	10	5.8	11.4	6.5	11.4	6.5	10.6	6.8
Current (Amps)	0.28 Max							
Power Rating (V/Hz)	120 / 60							
Light (Watts/Lumens)	13 / 850							

### ELT80-110H\* - 80/110 CFM Fan with Humidity Sensor

Fan Speed	Continuous Low Speed				Full Speed			
Static Pressure (in w.g.)	0.1	0.25	0.1	0.25	0.1	0.25	0.1	0.25
Air Flow (CFM)	50	32	80	59	80	59	110	90
Sones	<0.3	0.8	0.5	0.9	0.5	0.9	0.7	1.0
Power (Watts)	5	6	7	9	7	9	10.3	13
Efficiency (CFM/Watts)	10	5.3	11.4	6.5	11.4	6.5	10.6	6.9
Current (Amps)	0.27 Max							
Power Rating (V/Hz)	120 / 60							

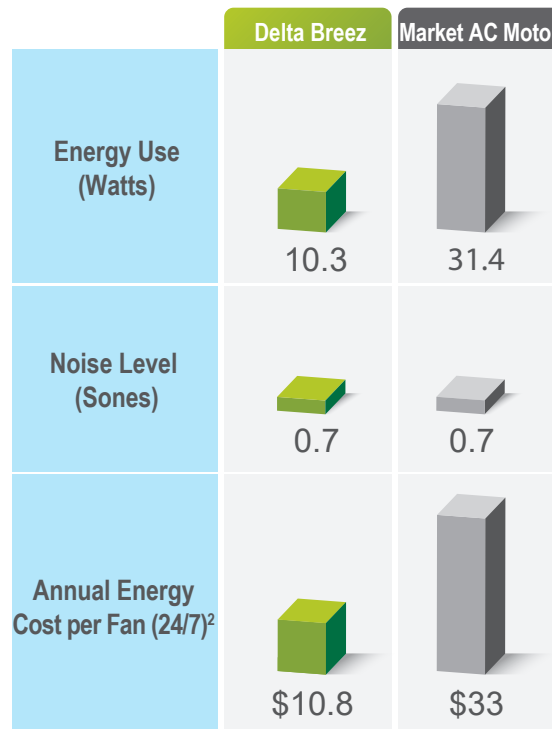
### ELT80-110MH\* - 80/110 CFM Fan w/ Motion and Humidity Sensor

Fan Speed	Continuous Low Speed				Full Speed			
Static Pressure (in w.g.)	0.1	0.25	0.1	0.25	0.1	0.25	0.1	0.25
Air Flow (CFM)	50	32	80	59	80	59	110	90
Sones	<0.3	0.8	0.5	0.9	0.5	0.9	0.7	1.0
Power (Watts)	5	6	7	9	7	9	10.3	13
Efficiency (CFM/Watts)	10	5.3	11.4	6.5	11.4	6.5	10.6	6.9
Current (Amps)	0.27 Max							
Power Rating (V/Hz)	120 / 60							

### ELT80-110MHLED\* - 80/110 CFM Fan/Dimmable LED Light w/ Motion and Humidity Sensor

Fan Speed	Continuous Low Speed				Full Speed			
Static Pressure (in w.g.)	0.1	0.25	0.1	0.25	0.1	0.25	0.1	0.25
Air Flow (CFM)	50	35	80	59	80	59	110	89
Sones	0.3	0.8	0.5	0.9	0.5	0.9	0.7	1.0
Power (Watts)	5	6	7	9	7	9	10.3	13
Efficiency (CFM/Watts)	10	5.8	11.4	6.5	11.4	6.5	10.6	6.9
Current (Amps)	0.28 Max							
Power Rating (V/Hz)	120 / 60							
Light (Watts/Lumens)	13 / 850							

\* Product is designated ENERGY STAR Most Efficient 2023 and ENERGY STAR qualified



<sup>1</sup> Calculations based upon U.S. average retail electricity. Actual results may vary





## 4 Inch Oval Duct

**The BreezSlim series of fans are suitable for ceiling or sidewall installation with high speed 80 or 110 CFM.**

For spaces 80-110 sq. ft. Delta Breez Slim models offer a 4" metal oval duct adapter and easy installation for retrofit. Delta BreezSlim options include single speed, dimmable LED light, and/or dual speed. UL listed for wall and ceiling mount.

SLM50-110-C is available in contractor packs.

SLM50-110-C, SLM80-110H-C, SLM80-110D-C, and SLM80-110DLED-C series can fit with Ceiling Radiation Damper SMT-CRD.

### Features:

- Innovative brushless DC motor design for long life, low noise, and low power consumption
- Energy savings up to 72%<sup>1</sup> and 4" oval duct (standard)
- Exceeds ENERGY STAR requirement by 88% in energy efficiency<sup>2</sup>
- Annual energy cost for 24/7 operation is approximately \$8.94 (80 CFM) or \$17.35 (110 CFM)<sup>3</sup>
- Noise level as low as 0.4 sones at 80 CFM, 1.2 sones at 110 CFM
- Power consumption down to 16.5 Watts<sup>4</sup>
- Green and amber LED indicator lights show continuous low speed and full speed modes

### Fan/Dimmable LED light:

- 13-Watt LED light output of 850 Lumens, 3000 K and 90 CRI
- Dimmable LED light. Dimmer switch not included

1. Based upon SLM50-110-C vs. market AC motor.

2. Based upon SLM 80 & 110 CFM vs. ENERGY STAR v4.0 criteria for residential fans

3. Calculations based upon U.S. average retail electricity. Actual results may vary

4. Based upon SLM50-110-C



SLM50-110LED-C  
SLM80-110DLED-C  
Fan/Dimmable LED Light



SLM50-110-C  
SLM80-110D-C  
SLM80-110H-C

Project Pack  
Components  
Available



### High Speed Switch

SLM80-110D-C,  
SLM80-110DLED-C  
SLM80-110H-C  
series

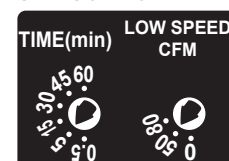


SLM50-110  
series



### Built-in control

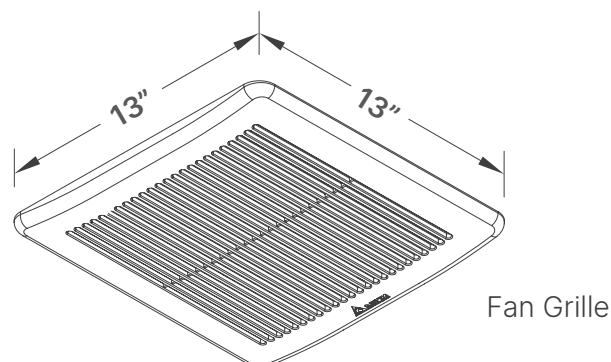
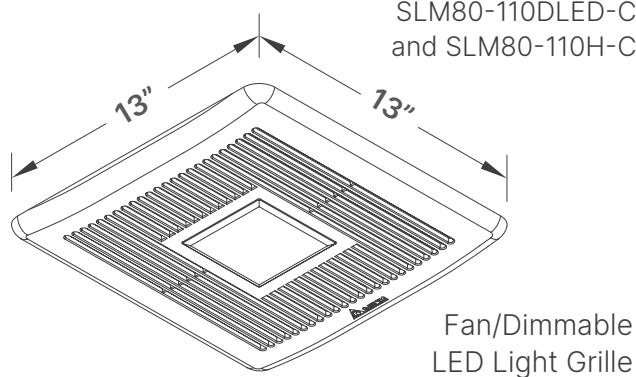
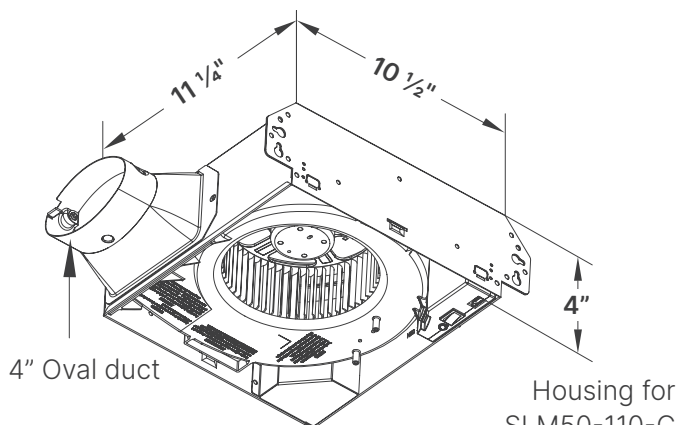
SLM80-110D-C  
SLM80-110DLED-C





## 4 Inch Oval Duct

### BreezSlim Series Dimensions



### LED Indicator Light:

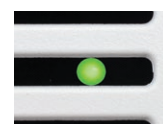
SLM50-110-C  
SLM50-110LED-C

Full Speed



SLM80-110D-C  
SLM80-110DLED-C

Low Speed



Full Speed



SLM80-110H-C

Humidity Sensor



Full Speed



## Specifications

### SLM50-110-C - 50/80/110 CFM Exhaust Fan



	Full speed					
Static Pressure (Inches w.g.)	0.1	0.25	0.1	0.25	0.1	0.25
Air Flow (CFM)	50	50	80	80	110	110
Sones	<0.3	0.8	0.4	1.0	1.2	1.5
Power Consumption (Watts)	6	9.5	8.5	14.5	16.5	24
Energy Efficiency (CFM/Watts)	8.3	5.2	9.4	5.5	6.6	4.5
Current (Amps)	0.6 Max.					
Power Rating (V/Hz)	120/60					

SLM50-110-C Project Pack Components Available SLM-A3C (housing)  
and SLM50-110-B (motor and grille)

### SLM50-110LED-C - 50/80/110 CFM



### Fan/Dimmable LED Light with High Speed Adjustable

	Full speed					
Static Pressure (Inches w.g.)	0.1	0.25	0.1	0.25	0.1	0.25
Air Flow (CFM)	50	47	80	80	110	106
Sones	<0.3	0.8	0.4	1.1	1.3	1.5
Power Consumption (Watts)	6	9.5	9.0	14.5	16.5	24
Energy Efficiency (CFM/Watts)	8.3	4.9	8.8	5.5	6.6	4.4
Current (Amps)	0.6 Max.					
Power Rating (V/Hz)	120/60					
Dimmable LED Light (Watts)	13					

## Specifications

### SLM80-110H-C, 80/110 CFM Fan with Humidity Sensor



	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
Air Flow (CFM)	50	50	80	80	80	80	110	110
Sones	<0.3	0.8	0.4	1.0	0.4	1.0	1.2	1.5
Power Consumption (Watts)	6	9.5	8.5	14.5	8.5	14.5	16.5	24
Energy (CFM/Watts)	8.3	5.2	9.4	5.5	9.4	5.5	6.6	4.5
Current (Amps)	0.6 Max.							
Power Rating (V/Hz)	120/60							

### SLM80-110D-C, 80/110 CFM Fan with Dual 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
Air Flow (CFM)	50	50	80	80	80	80	110	110
Sones	<0.3	0.8	0.4	1.0	0.4	1.0	1.2	1.5
Power Consumption (Watts)	6	9.5	8.5	14.5	8.5	14.5	16.5	24
Energy (CFM/Watts)	8.3	5.2	9.4	5.5	9.4	5.5	6.6	4.5
Current (Amps)	0.6 Max.							
Power Rating (V/Hz)	120/60							

### SLM80-110DLED-C, 80/110 CFM Fan/Dimmable LED Light with Dual Speed



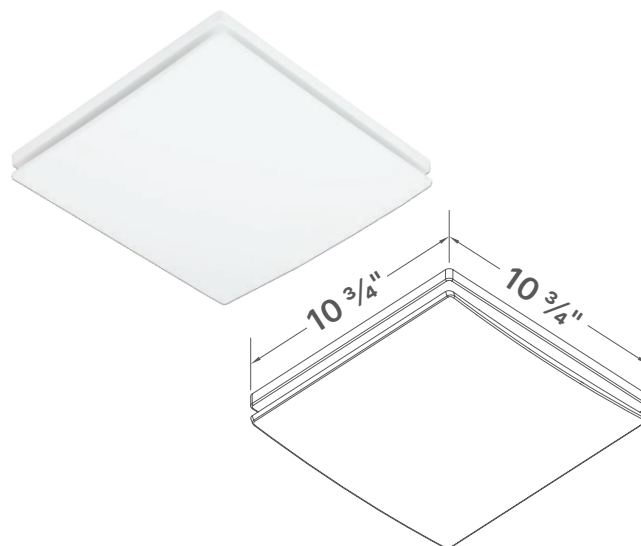
	Continuous low speed				Full speed			
Static Pressure (Inches w.g.)	0.1	0.25	0.1	0.25	0.1	0.25	0.1	0.25
Air Flow (CFM)	50	47	80	80	80	80	110	106
Sones	<0.3	0.8	0.4	1.1	0.4	1.1	1.3	1.5
Power Consumption (Watts)	6	9.5	9.0	14.5	9.0	14.5	16.5	24
Energy Efficiency (CFM/Watts)	8.3	4.9	8.8	5.5	8.8	5.5	6.6	4.4
Current (Amps)	0.6 Max.							
Power Rating (V/Hz)	120/60							
Dimmable LED Light (Watts)	13/850							

## Delta BreezSignature SLM-DGL Designer Grille

The SLM-DGL designer fan grille is offered as an alternative to the standard grille on Delta Breez SLM50, SLM70, SLM70H, ITG50, ITG80, ITG70BT, ITG80H, and ITG100.

### Features:

- Adds modern aesthetic to bathroom
- Made of long-lasting ABS material
- Paintable to coordinate with any style bathroom
- Size: 10 3/4" x 10 3/4"





## 3 Inch Round Duct

### Super Low Profile. Super Low Energy Consumption.

Weighing less than 5 lbs., the powerful and compact Delta BreezSlim sets the bar for performance in the popular small fan size of 7 1/2" x 7 1/4" x 4". Operating at just 1.0 sone, this quiet fan features Delta's super reliable brushless DC motor, an LED indicator light so you know it's running, and a modern grille design. Perfect for retrofit into an existing space or for ceiling mount or wall mount installation (UL listed for both) into your next multifamily or single-family project. BreezSlim breaks the mold of the everyday bathroom exhaust fan. Available in contractor packs.

### Features:

Innovative brushless DC motor design for long life, low noise and low power consumption.

- Energy savings up to 85%<sup>1</sup> and 3" duct (standard)
- 1 sone – The quietest ever in a 7 1/2" x 7 1/4" bath fan
- Exceeds ENERGY STAR requirements by 217% in energy efficiency<sup>2</sup>
- UL listed for both ceiling-mount and wall-mount installation

1. Based upon SLM50 vs. market AC motor

2. Based upon ENERGY STAR v4.0 criteria for residential ventilating fans

	Delta Breez	Market AC Motor
Energy Use (Watts)	6.4	45.2
Noise Level (Sones)	1.0	4.0
Annual Energy Cost per Fan (24/7) <sup>3</sup>	\$6.73	\$47.56

3. Calculations based upon U.S. average retail electricity. Actual results may vary

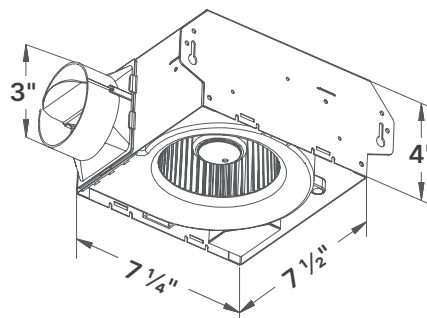


SLM50, SLM70,  
SLM70H, and  
SLM70D

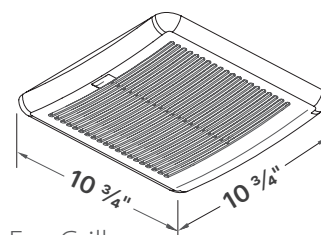
Available with  
Project Pack Components



Available with  
metal duct adapter



Fan Housing  
SLM50, SLM70,  
SLM70H, SLM70D,  
and SLM70ELED



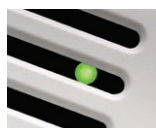
Fan Grille



LED Indicator Light:  
SLM50, SLM70



LED Indicator Light:  
SLM70D



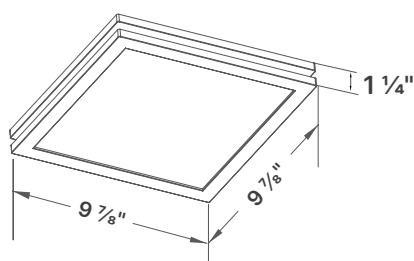
LED Indicator Light:  
SLM70H







SLM70ELED



## Specifications

### SLM50\* - 50 CFM Single Speed Exhaust Fan



	3" Duct (Standard)	
Static Pressure (Inches w.g.)	0.1	0.25
Air Flow (CFM)	50	36
Sones	1.0	1.2
Power Consumption (Watts)	6.4	6.3
Energy Efficiency (CFM/Watts)	11.6	7.4
Current (Amps)	0.18 Max	
Power Rating (V/Hz)	120/60	
Project Pack Components Available SLM-A (housing) and SLM50-B (motor grille)		

### SLM70 - 70 CFM Single Speed Exhaust Fan



3" Duct (Standard)		
Static Pressure (Inches w.g.)	0.1	0.25
Air Flow (CFM)	70	54
Sones	2.0	1.5
Power Consumption (Watts)	13.2	11.6
Energy Efficiency (CFM/Watts)	5.8	5.0
Current (Amps)	0.29 Max	
Power Rating (V/Hz)	120/60	
Project Pack Components Available SLM-A (housing) and SLM70-B (motor grille)		

\* Product is ENERGY STAR Most Efficient 2023 distinction and ENERGY STAR qualified

### SLM70H - 70 CFM Fan with Humidity sensor



	3" Duct (Standard)	
Static Pressure (Inches w.g.)	0.1	0.25
Air Flow (CFM)	70	54
Sones	2.0	1.5
Power Consumption (Watts)	13.2	11.6
Energy Efficiency (CFM/Watts)	5.8	5.0
Current (Amps)	0.29 Max	
Power Rating (V/Hz)	120/60	
Project Pack Components Available SLM-A (housing and SLM70H-B (motor grille)		

### SLM70D - 70 CFM Fan with Dual Speed



	Continuous low speed		Full Speed	
Static Pressure (Inches w.g.)	0.1	0.25	0.1	0.25
Air Flow (CFM)	40	25	70	50
Sones	0.8	1.0	2.0	1.5
Power Consumption (Watts)	5.0	6.0	13.2	11.6
Energy Efficiency (CFM/Watts)	12.9	6.3	7.1	6.2
Current (Amps)	0.29 Max			
Power Rating (V/Hz)	120/60			

### SLM70ELED - 70 CFM Fan Edge-Lit Dimmable LED Light



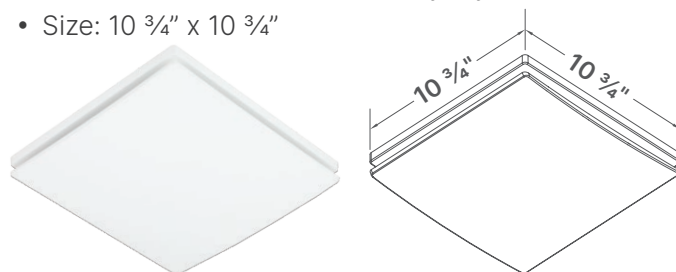
	3" Duct (Standard)	
Static Pressure (Inches w.g.)	0.1	0.25
Air Flow (CFM)	70	53
Sones	2.0	1.5
Power Consumption (Watts)	13.2	11.6
Energy Efficiency (CFM/Watts)	6.0	5.4
Current (Amps)	0.29 Max	
Power Rating (V/Hz)	120/60	
LED Light (Watts/Lumens)	13/850	

## Delta BreezSignature SLM-DGL Designer Grille

The SLM-DGL designer fan grille is offered as an alternative to the standard grille on Delta Breez SLM50, SLM70, SLM70H, ITG50, ITG80, ITG70BT, ITG80H, and ITG100.

### Features:

- Adds modern aesthetic to bathroom
- Made of long-lasting ABS material
- Paintable to coordinate with any style bathroom
- Size: 10 3/4" x 10 3/4"





## 6 Inch Duct Series

### The Smart Choice. Virtually silent, feature-rich.

Delta BreezSmart Series is the perfect ventilation solution for today's larger, spa-style bathrooms. One of our highest performing, most quiet at less than 0.3 sones. Single speed 130 or 150 CFM, or adjustable high speed 150-200 CFM. For spaces 130-200 sq. ft. Options include LED light, motion sensor, or adjustable humidity sensor. Ceiling Radiation Damper and metal grille available separately. UL listed for ceiling mount only.

#### Features:

- Energy savings up to 57.9%<sup>1</sup>
- <0.3 sones - lowest noise level among competing fans
- Exceeds ENERGY STAR efficiency<sup>2</sup> requirements by 151%
- Motion-sensing, humidity-sensing, LED and dual-speed options available with adjustable continuous low speed

#### Fan w/Dimmable LED light:

- 13-Watt LED main light and 2-Watt LED night light
- Main light output of 850 Lumens, 3000K and 90 CRI Dimmable LED light. Dimmer switch not included.

#### Fan/Dimmable LED light with Adjustable Color Temperature 3000K, 4000K and 5000K:

- 13-Watt LED light output of 850 Lumens and 90 CRI

1. Based upon BreezSmart SMT150-200 (200 CFM) vs. market AC motor fan

2. Based upon SMT 150 CFM vs. ENERGY STAR v4.0 criteria for residential fans

	Delta Breez	Market AC Motor
Energy Use (Watts)	24	57
Noise Level (Sones)	1.0	1.2
Annual Energy Cost per Fan (24/7) <sup>3</sup>	\$24.67	\$58.59

3. Calculations based upon U.S. average retail electricity. Actual results may vary

### Fans with adjustable high speed options (150-200 CFM)



High Speed Switch

#### Fan/Dimmable LED Light

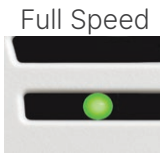
- 3000K
- 4000K
- 5000K



### High Speed Fans (130 CFM or 150 CFM)



**LED Indicator Light: SMT130, SMT150,  
SMT150LED, SMT150-200, & SMT150-200LED**



**LED Indicator Light: SMT130M, SMT150D**  
Continuous Low Speed      Full Speed

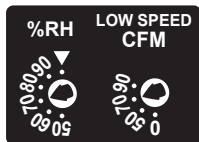


**LED Indicator Light: SMT130H**  
Humidity Sensing      Full Speed

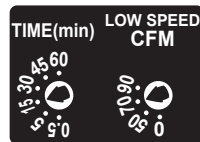


#### Built-in Controls

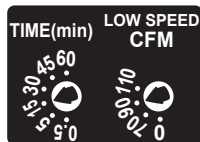
**SMT130H  
Controls**



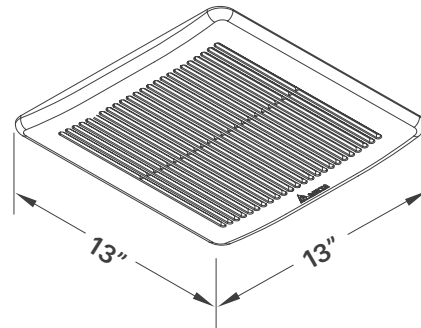
**SMT130M  
Controls**



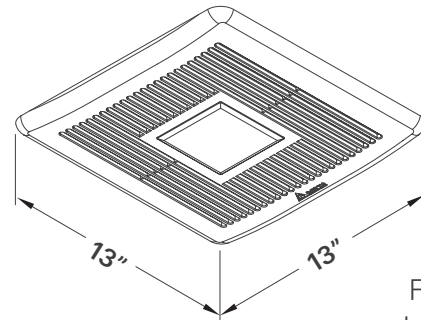
**SMT150D  
Controls**



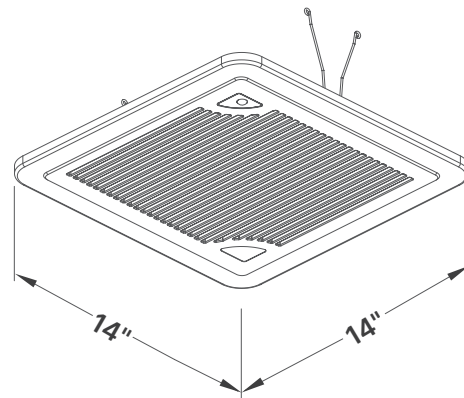
#### BreezSmart Series Dimensions



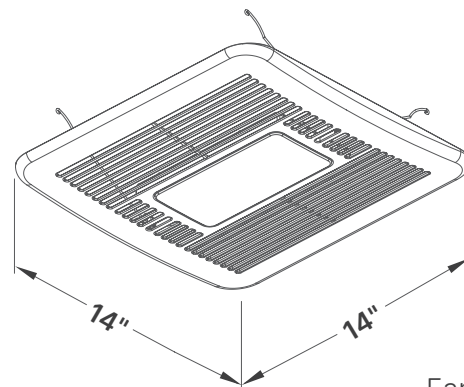
Fan Grille



Fan/Dimmable  
LED Light Grille

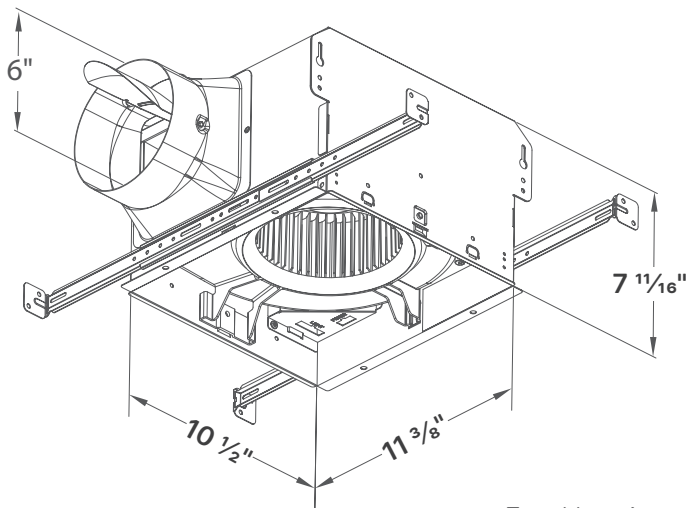


Fan Grille



Fan/Dimmable  
LED Light Grille

#### BreezSmart Series Dimensions



Fan Housing



## Specifications

### SMT130\* - 130 CFM Single Speed Exhaust Fan



Fan Speed	Continuous Low Speed	Full Speed
Static Pressure (Inches w.g.)	0.1	0.25
Air Flow (CFM)	130	124
Sones	<0.3	1.0
Power Consumption (Watts)	11.6	20.0
Energy Efficiency (CFM/Watts)	11.2	6.2
Current (Amps)	0.44 Max	
Power Rating (V/Hz)	120/60	

### SMT130H\* - 130 CFM with Humidity Sensor



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
Air Flow (CFM)	50	49	70	68	90	88	130	124
Sones	<0.3	1.0	<0.3	1.0	<0.3	1.0	<0.3	1.0
Power Consumption (Watts)	5.6	12.2	6.9	13.5	8.0	15.5	11.6	20.0
Energy Efficiency (CFM/Watts)	8.9	4.0	10.1	5.0	11.2	5.6	11.2	6.2
Current (Amps)	0.44 Max							
Power Rating (V/Hz)	120/60							

### SMT130M\* - 130 CFM with Motion Sensor



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
Air Flow (CFM)	50	49	70	68	90	88	130	124
Sones	<0.3	1.0	<0.3	1.0	<0.3	1.0	<0.3	1.0
Power Consumption (Watts)	5.6	12.2	6.9	13.5	8.0	15.5	11.6	20.0
Energy Efficiency (CFM/Watts)	8.9	4.0	10.1	5.0	11.2	5.6	11.2	6.2
Current (Amps)	0.44 Max							
Power Rating (V/Hz)	120/60							

### SMT150 - 150 CFM Single Speed Exhaust Fan



Fan Speed	Continuous Low Speed	Full Speed
Static Pressure (Inches w.g.)	0.1	0.25
Air Flow (CFM)	150	149
Sones	<0.3	1.3
Power Consumption (Watts)	16.9	23.7
Energy Efficiency (CFM/Watts)	8.8	6.2
Current (Amps)	0.47 Max	
Power Rating (V/Hz)	120/60	

### SMT150D - 0-110/150 CFM Fan with adjustable Dual Speed



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
Air Flow (CFM)	70	68	90	88	110	109	150	149
Sones	<0.3	1.0	<0.3	1.0	<0.3	1.0	<0.3	1.3
Power Consumption (Watts)	6.9	13.5	8.0	15.5	9.8	18.4	16.9	23.7
Energy Efficiency (CFM/Watts)	10.1	5.0	11.2	5.6	11.2	5.9	8.8	6.2
Current (Amps)	0.47 Max							
Power Rating (V/Hz)	120/60							

### SMT150LED - 150 CFM Fan/Dimmable LED Light / Night-Light



Fan Speed	Continuous Low Speed	Full Speed
Static Pressure (Inches w.g.)	0.1	0.25
Air Flow (CFM)	150	150
Sones	0.5	1.3
Power Consumption (Watts)	17.6	25.4
Energy Efficiency (CFM/Watts)	8.5	5.9
Current (Amps)	0.62 Max	
Power Rating (V/Hz)	120/60	
LED Main Light (Watts/Lumens)	13/850	
LED Night Light (Watts)	2	

### SMT150-200 - 150/200 CFM Fan



Fan Speed	Continuous Low Speed	Full Speed
Static Pressure (Inches w.g.)	0.1	0.25
Air Flow (CFM)	150	200
Sones	0.4	1.5
Power Consumption (Watts)	14.0	36.0
Energy Efficiency (CFM/Watts)	10.7	5.5
Current (Amps)	0.68 Max	
Power Rating (V/Hz)	120/60	

### SMT150-200LED - 150/200 CFM Fan w/Dimmable LED Light with adjustable color temperature



Fan Speed	Continuous Low Speed	Full Speed
Static Pressure (Inches w.g.)	0.1	0.25
Air Flow (CFM)	150	200
Sones	0.6	1.5
Power Consumption (Watts)	15.0	37.0
Energy Efficiency (CFM/Watts)	10.0	5.4
Current (Amps)	0.78 Max	
Power Rating (V/Hz)	120/60	
LED Light (Watts/Lumens)	13/850	

\* Product is designated ENERGY STAR Most Efficient 2023 and ENERGY STAR qualified

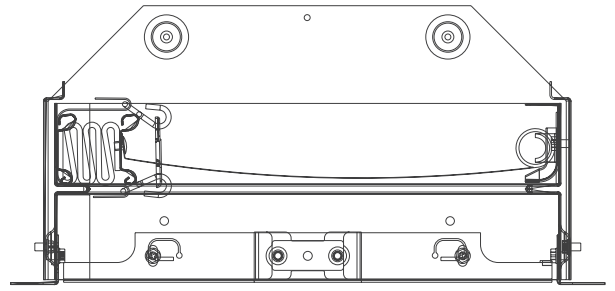
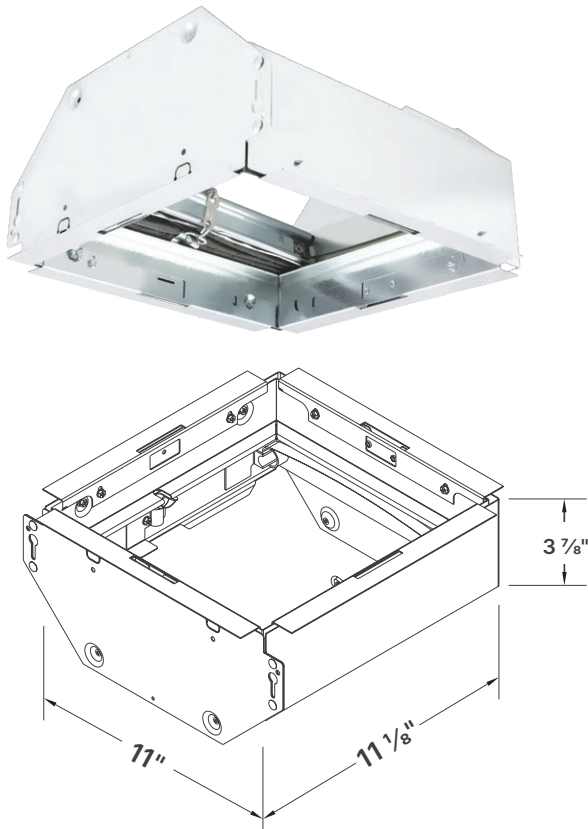


## Smart SMT-CRD Ceiling Radiation Damper

The damper employs a folded curtain style blade for point-of-origin control of radiant heat in a ventilation system. SMT-CRD installs in the ceiling membrane for floor/ceiling or roof/ceiling assemblies with a fire resistance rating up to and including 3 hours.

### Features:

- UL and cUL listed and exceeds UL 555C for use in 3-hour fire rated assemblies
- Warnock-Hersey certified for use in fire rated floor/ceiling or roof/ceiling assemblies
- CSFM listing: 3226-0368:104
- Meets NFPA Standards: 90A and 101
- Meets Building Code Standards: IBC, NBC, NFPA, SBC, and UBC
- Available for use with Delta Breez SMT130, SMT130M, SMT130H, SMT150, SMT150D, and SMT150LED (For combustible and non-combustible installation), SLM80-110D-C, SLM80-110DLED-C, SLM50-110-C, SLM50-110LED-C and SLM80-110H-C (For non-combustible installation only).

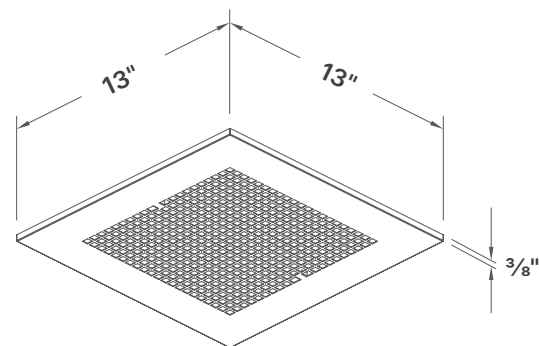


## Smart SMT-MTL metal grille

The SMT-MTL metal grille is offered as an alternative to the standard grille on Delta Breez SMT130, SMT130H, SMT150, SMT150D, SMT150-200, SLM80-110D-C, SLM80-110DLED-C, SLM50-110-C, SLM50-110LED-C and SLM80-110H-C.

### Features:

- Adds modern aesthetic to bathroom
- Made of galvanized steel material and white painted
- Paintable for added customization
- Size: 13 × 13 × 3/8 inches





## 4 Inch Duct Series

### Builder's best solution

Delta BreezGreenBuilder ventilation fans were designed with green builders and contractors in mind. High speed 80 CFM or 100 CFM. For spaces 80-100 sq. ft. Quiet operation from 0.8 to 1.4 sones. Options include adjustable low speed, dimmable LED light, and decorative dimmable LED light, motion and/or humidity sensor. Ceiling Radiation Damper and designer grille available separately. Fans only and fans with humidity sensor are UL listed for ceiling and wall mount; fans/ LED light are UL listed for ceiling mount only.

### Features:

Innovative brushless DC motor design for long life, low noise and low power consumption

- Energy savings up to 61%<sup>1</sup> and 4" duct (standard)
- Lowest sone level rated by HVI as low as 0.8 sones
- Power consumption as low as 10.5 Watts
- Exceeds ENERGY STAR requirements by 192% in energy efficiency<sup>2</sup>
- Fan and Fan/dimmable LED Light combination project pack available
- Fan only models are UL listed for both ceiling-mount and wall-mount installation

### Fan/Dimmable LED Light:

- 13-Watt Dimmable LED light included (60 watt equivalent). Dimmer switch not included
- Main light output of 850 lumens, 3000K and 90 CRI

### Fan/Dimmable LED Light DECOR:

- 13-Watt Dimmable LED light included. Dimmer switch not included.
- Main light output of 950 Lumens, 3000K and 80 CRI
- Beautifully designed ventilation fan with frosted glass globe and dimmable LED light allows for quiet ventilation
- 4-decorative fans in one; includes chrome, brushed nickel, brushed bronze, and polished white finials to match any décor



Fan Only



Fan/Dimmable LED Light



GBR100LED-DECOR



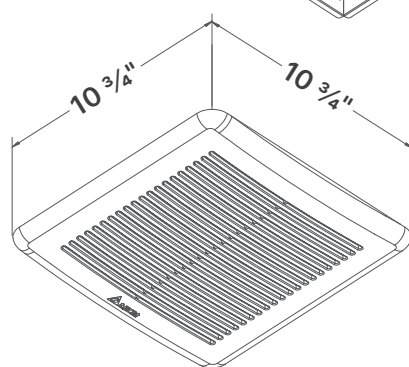
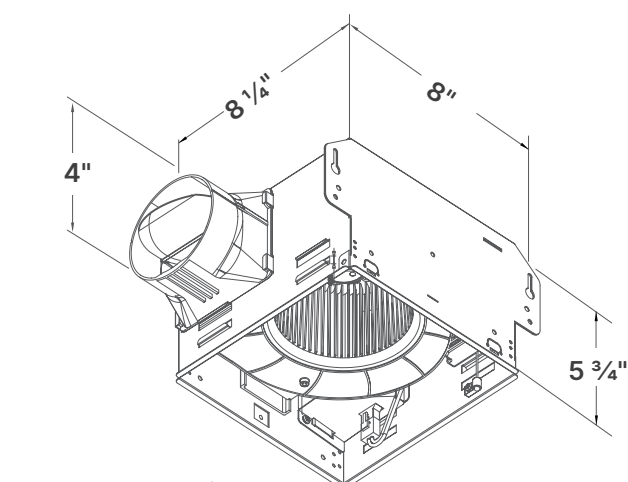
Project Pack  
Components  
Available

1. Based on GreenBuilder GBR80 vs. market AC motor fan

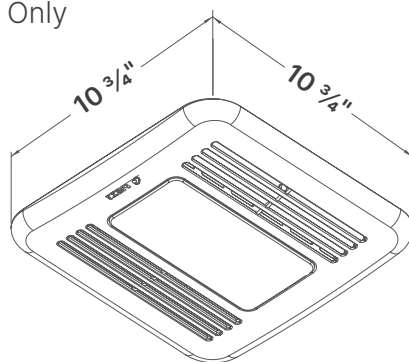
2. Based upon GBR80CFM vs. ENERGY STAR v4.0 criteria for residential ventilating fans



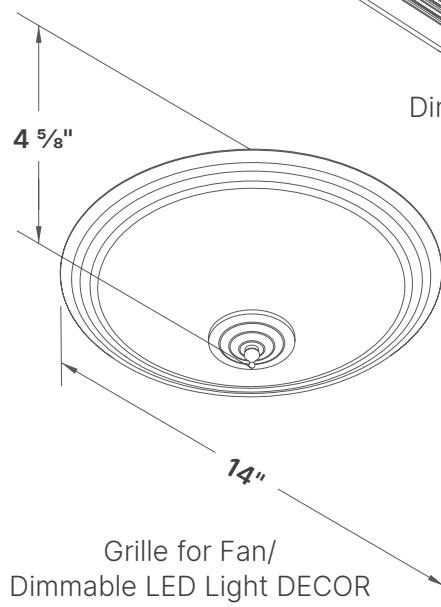
## BreezGreenBuilder Series Dimensions



Grille for Fan Only



Grille for Fan/  
Dimmable LED Light



Grille for Fan/  
Dimmable LED Light DECOR

**LED Indicator Light:**  
GBR80, GBR80LED  
GBR100, GBR100LED

Fan is running



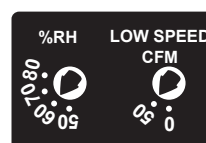
**LED Indicator Light:**  
GBR80H, GBR100H

Humidity Sensing Full Speed



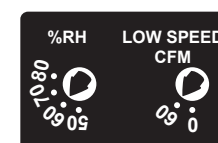
### Built-in Controls

GBR80H, GBR80HLED



### Built-in Controls

GBR100H



## Specifications

### GBR80 - 80 CFM Single Speed Exhaust Fan



Static Pressure (Inches w.g.)	0.1	0.25
Air Flow (CFM)	80	64
Sones	0.8	1.5
Power Consumption (Watts)	10.5	12.5
Energy Efficiency (CFM/Watts)	7.6	5.1
Current (Amps)	0.21 Max	
Power Rating (V/Hz)	120/60	

Project Pack Components Available GBR-A (housing)  
and GBR80-B (motor/grille)

### GBR80H - 80 CFM Fan with Humidity Sensor



Fan Speed	Continuous Low Speed		Full Speed	
Static Pressure (Inches w.g.)	0.1	0.25	0.1	0.25
Air Flow (CFM)	50	35	80	64
Sones	<0.3	1.0	0.8	1.5
Power Consumption (Watts)	4.0	6.0	9.7	11.8
Energy Efficiency (CFM/Watts)	12.5	5.8	8.2	5.4
Current (Amps)	0.22 Max			
Power Rating (V/Hz)	120/60			

### GBR80HLED - 80 CFM Fan

Dimmable LED Light with Humidity Sensor



Fan Speed	Continuous Low Speed		Full Speed	
Static Pressure (Inches w.g.)	0.1	0.25	0.1	0.25
Air Flow (CFM)	50	33	80	63
Sones	0.5	1.0	0.8	1.5
Power Consumption (Watts)	4.4	6.0	11.0	13.0
Energy Efficiency (CFM/Watts)	11.3	5.5	7.2	4.8
Current (Amps)	0.33 Max			
Power Rating (V/Hz)	120/60			
LED Light (Watts/Lumens)	13/850			



## 4 Inch Duct Series Specifications

### GBR80LED - 80 CFM Fan/Dimmable LED Light



Static Pressure (Inches w.g.)	0.1	0.25
Air Flow (CFM)	80	63
Sones	0.8	1.5
Power Consumption (Watts)	11.0	13.0
Energy Efficiency (CFM/Watts)	7.2	4.8
Current (Amps)	0.33 Max	
Power Rating (V/Hz)	120/60	
LED Light (Watts/Lumens)	13/850	

### GBR100 - 100 CFM Single Speed Exhaust Fan



Static Pressure (Inches w.g.)	0.1	0.25
Air Flow (CFM)	100	77
Sones	1.4	1.5
Power Consumption (Watts)	12.6	13.5
Energy Efficiency (CFM/Watts)	7.9	5.7
Current (Amps)	0.22 Max	
Power Rating (V/Hz)	120/60	

Project Pack Components Available GBR-A (housing)  
and GBR100-B (motor/grille)

### GBR100H - 100 CFM Fan with Humidity Sensor



Fan Speed	Continuous Low Speed		Full Speed	
Static Pressure (Inches w.g.)	0.1	0.25	0.1	0.25
Air Flow (CFM)	60	42	100	77
Sones	0.5	0.7	1.4	1.5
Power Consumption (Watts)	4.9	6.3	12.6	13.5
Energy Efficiency (CFM/Watts)	12.2	6.6	7.9	5.7
Current (Amps)	0.24 Max			
Power Rating (V/Hz)	120/60			

### GBR100LED - 100 CFM Fan/Dimmable LED Light

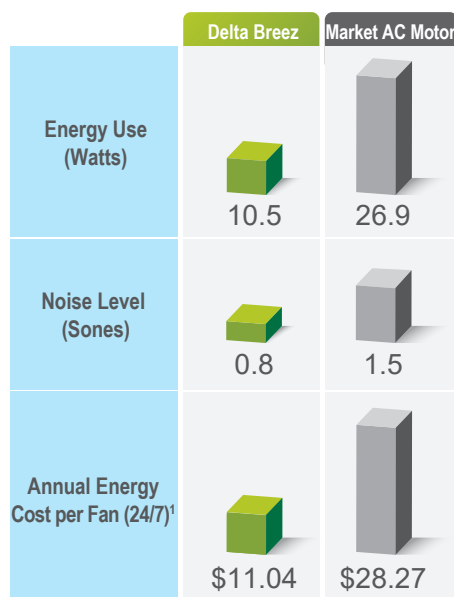


Static Pressure (Inches w.g.)	0.1	0.25
Air Flow (CFM)	100	72
Sones	1.5	1.5
Power Consumption (Watts)	13.6	11.6
Energy Efficiency (CFM/Watts)	7.3	6.2
Current (Amps)	0.35 Max	
Power Rating (V/Hz)	120/60	
LED Light (Watts/Lumens)	13/850	

### GBR100LED-DECOR - 100 CFM Fan/Dimmable LED Light Decor



Static Pressure (Inches w.g.)	0.1	0.25
Air Flow (CFM)	100	72
Sones	1.5	2.0
Power Consumption (Watts)	13	12.5
Energy Efficiency (CFM/Watts)	7.6	5.7
Current (Amps)	0.32 Max	
Power Rating (V/Hz)	120/60	
LED Light (Watts/Lumens)	13/950	



1. Calculations based upon U.S. average retail electricity. Actual results may vary

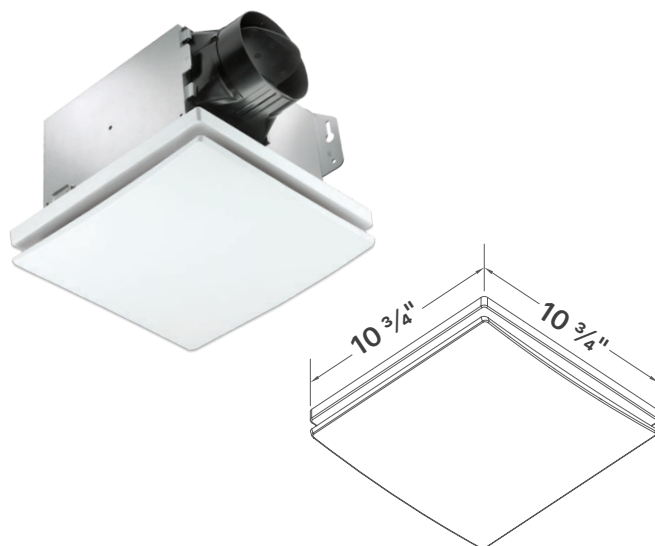


## GreenBuilder GBR-DGL Designer Grille

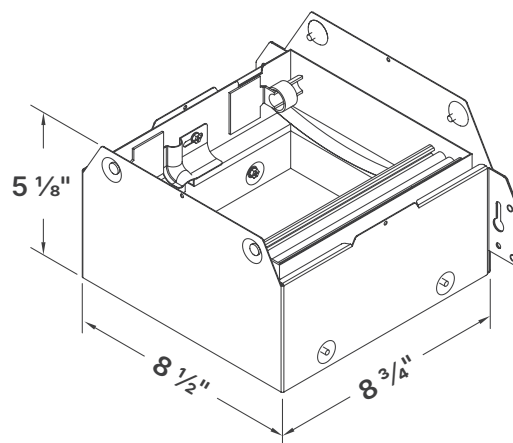
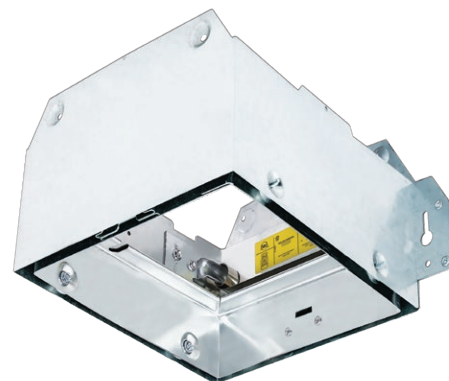
The GBR-DGL designer fan grille is offered as an alternative to the standard grille on GBR80, GBR80H, GBR100, and GBR100H.

### Features:

- Adds modern aesthetics to the bathroom
- Made of long-lasting ABS material
- Paintable to coordinate with any style bathroom
- Size: 10  $\frac{3}{4}$ " x 10  $\frac{3}{4}$ "



- GBR-CRD available for GBR80, GBR80H, GBR80HLED, GBR80LED, GBR100, GBR100H and GBR100LED

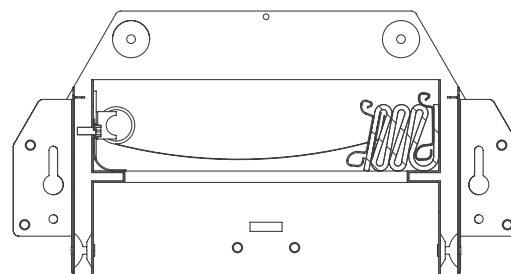


## Delta BreezGreenBuilder GBR-CRD Ceiling Radiation Damper

The damper employs a folded curtain style blade for point-of-origin control of radiant heat in a ventilation system. GBR-CRD installs in the ceiling membrane for floor/ceiling or roof/ceiling assemblies with a fire resistance rating up to and including 3 hours.

### Features:

- UL and cUL listed and exceeds UL 555C for use in 3-hour fire rated assemblies
- Warnock-Hersey certified for use in fire rated floor/ceiling or roof/ceiling assemblies
- CSFM listing: 3226-0368:104
- Meets NFPA Standards: 90A and 101
- Meets Building Code Standards: IBC, NBC, NFPA, SBC and UBC





## 4 Inch Duct Series

### Economical ventilation solution

Single speed 50, 80, or 100 CFM. For spaces 50-100 sq. ft. Quiet operation from 0.7 to 1.5 sones. Options include dimmable LED light or edge-lit dimmable LED light, adjustable humidity sensor, and Bluetooth® speaker. Ceiling Radiation Damper and designer grille available separately. Fans only and fan with humidity sensor are UL listed for ceiling and wall mount; fans/dimmable LED light are UL listed for ceiling mount only.

### Features:

Innovative brushless DC motor design for long life, low noise and low power consumption

- Power rating of 120 volts/60Hz
- Brushless DC motor engineered to run continuously
- Motor equipped with thermal cutoff fuse
- Removable with permanently lubricated plug-in motor
- Built-in soft start function increases bearing life
- Automatically powers off when impeller is locked abnormally

### Fan/Dimmable LED Light:

- 13-Watt LED light included (equivalent to a 60-Watt incandescent bulb)
- Main light output of 850 lumens, 3000K and 90 CRI
- Dimmable LED light (dimmer switch not included)

### Fan/Edge-lit Dimmable LED Light:

- 13-Watt LED light
- Main light output of 1000 lumens, 3000K, and 80 CRI
- Dimmable LED light. Dimmer switch not included.
- 13-Watt integrated dimmable edge-lit LED light lasts up to 30,000 hours

### Bluetooth® Speaker:

- Bluetooth® 3.0, speaker 3W and 4 Ohm
- Play audio through most Bluetooth® wireless devices



Fan Only



Fan with Bluetooth® Speaker



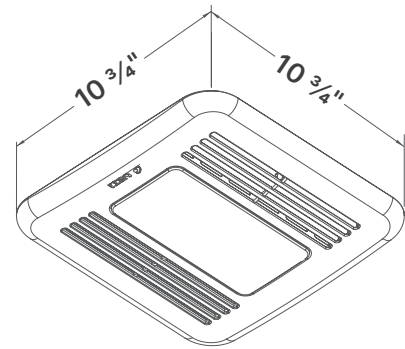
Fan/Dimmable LED light

The Bluetooth® word mark and logos are registered trademarks owned by Bluetooth® SIG, Inc. and any use of such marks by Delta Electronics, Inc. is under license. Other trademarks and trade names are those of their respective owners.





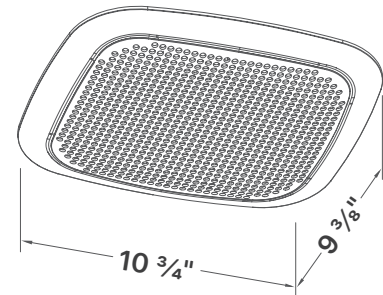
Fan/Edge-lit  
Dimmable LED light



Grille for Fan/LED Light

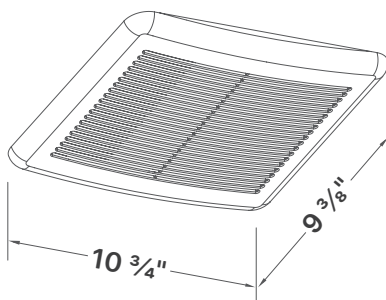
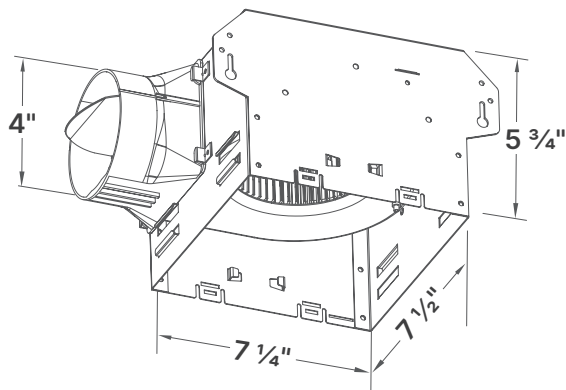


Fan/LED Edge-Lit Dimmable LED light,  
Flat Round Panel

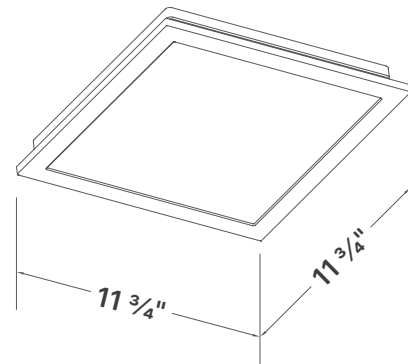


Grille for Fan with Bluetooth® Speaker

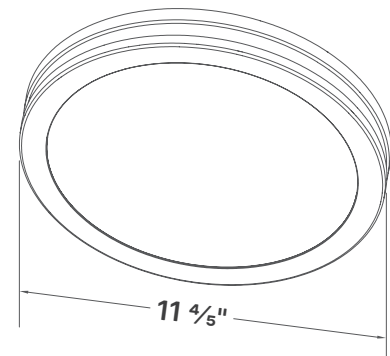
### BreezIntegrity Series Dimensions



Grille for Fan Only



Grille for Fan/Edge-lit LED Light



Grille for Fan/Edge-lit LED Light  
Flat Round Panel



## LED Indicator Light:

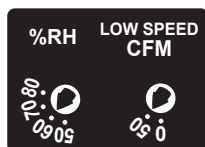
### ITG80H

Humidity Sensing

Full Speed

### ITG80H

Controls



Project Pack  
Components  
Available



## Specifications

### ITG50\* - 50 CFM Fan



Static Pressure (Inches w.g.)	0.1	0.25
Air Flow (CFM)	50	37
Sones	0.7	1.3
Power Consumption (Watts)	5.0	7.0
Energy Efficiency (CFM/Watts)	12.5	6.7
Current (Amps)	0.14 Max	
Power Rating (V/Hz)	120/60	

Project Pack Components Available ITG-A (housing)  
and ITG50-B (motor grille)

### ITG50LED\* - 50 CFM Fan/Dimmable LED Light



Static Pressure (Inches w.g.)	0.1	0.25
Air Flow (CFM)	50	38
Sones	0.7	1.3
Power Consumption (Watts)	5.0	7.0
Energy Efficiency (CFM/Watts)	11	6.5
Current (Amps)	0.22 Max	
Power Rating (V/Hz)	120/60	
LED Light (Watts/Lumens)	13/850	

\* Product is ENERGY STAR Most Efficient 2023 distinction and ENERGY STAR qualified

### ITG70BT\* - 70 CFM Fan w/ Bluetooth® Speaker



Static Pressure (Inches w.g.)	0.1	0.25
Air Flow (CFM)	70	59
Sones	1.0	1.5
Power Consumption (Watts)	8.4	10
Energy Efficiency (CFM/Watts)	10.6	7.2
Current (Amps)	0.2 Max	
Power Rating (V/Hz)	120/60	

### ITG80 - 80 CFM Single Speed Exhaust Fan



Static Pressure (Inches w.g.)	0.1	0.25
Air Flow (CFM)	80	60
Sones	1.3	1.4
Power Consumption (Watts)	10.0	12.0
Energy Efficiency (CFM/Watts)	8.4	6.6
Current (Amps)	0.20 Max	
Power Rating (V/Hz)	120/60	

Project Pack Components Available ITG-A (housing)  
and ITG80-B (motor grille)

### ITG80RLED-ADJ - 80 CFM Fan/LED Edge-Lit Flat Round Panel with Adjustable Color Temperature



Static Pressure (Inches w.g.)	0.1	0.25
Air Flow (CFM)	80	56
Sones	1.5	1.5
Power Consumption (Watts)	11.5	11.5
Energy Efficiency (CFM/Watts)	7.2	6.2
Current (Amps)	0.14 Max	
Power Rating (V/Hz)	120/60	
LED Light (Watts/Lumens)	13/1000	

### ITG80H - 80 CFM Fan with Humidity Sensor



Fan Speed	Continuous Low Speed		Full Speed	
Static Pressure (Inches w.g.)	0.1	0.25	0.1	0.25
Air Flow (CFM)	50	36	80	60
Sones	0.7	1.0	1.5	1.5
Power Consumption (Watts)	5.0	7.0	10.0	12.0
Energy Efficiency (CFM/Watts)	12.0	6.9	9.0	6.2
Current (Amps)	0.20 Max			
Power Rating (V/Hz)	120/60			



**ITG80LED - 80 CFM Fan/  
Dimmable LED Light**



Static Pressure (Inches w.g.)	0.1	0.25
Air Flow (CFM)	80	60
Sones	1.3	1.3
Power Consumption (Watts)	11.3	11.5
Energy Efficiency (CFM/Watts)	7.2	6.2
Current (Amps)	0.14 Max	
Power Rating (V/Hz)	120/60	
LED Light (Watts/Lumens)	13/850	

**ITG100 - 100 CFM Single Speed Exhaust Fan**



Static Pressure (Inches w.g.)	0.1	0.25
Air Flow (CFM)	100	85
Sones	1.5	2.0
Power Consumption (Watts)	17.0	21.0
Energy Efficiency (CFM/Watts)	7.6	5.3
Current (Amps)	0.33 Max	
Power Rating (V/Hz)	120/60	

Project Pack Components Available ITG-A2 (housing)  
and ITG100-B (motor grille)

**ITG100ELED - 100 CFM Fan  
Edge-lit Dimmable LED Light**



Static Pressure (Inches w.g.)	0.1	0.25
Air Flow (CFM)	100	84
Sones	1.5	2.0
Power Consumption (Watts)	17.0	20.0
Energy Efficiency (CFM/Watts)	7.5	5.9
Current (Amps)	0.47 Max	
Power Rating (V/Hz)	120/60	
LED Light (Watts/Lumens)	13/1000	

**ITG100RLED - 100 CFM Fan  
LED Edge-lit, Flat Round Panel**



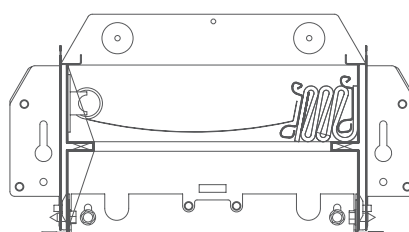
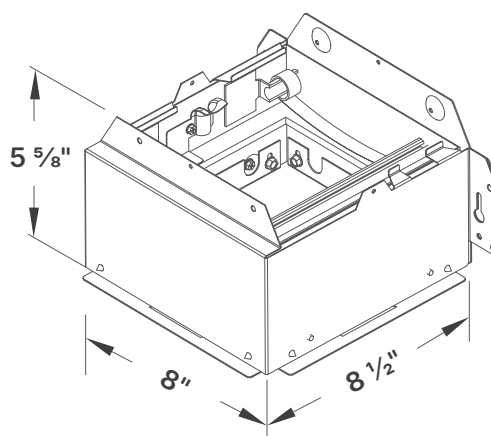
Static Pressure (Inches w.g.)	0.1	0.25
Air Flow (CFM)	100	85
Sones	1.5	2.0
Power Consumption (Watts)	17.0	21.0
Energy Efficiency (CFM/Watts)	7.5	5.9
Current (Amps)	0.47 Max	
Power Rating (V/Hz)	120/60	
LED Light (Watts/Lumens)	13/1000	

## Delta BreezIntegrity ITG-CRD Ceiling Radiation Damper

The damper employs a folded curtain style blade for Point-of-origin control of radiant heat in a ventilation system. ITG-CRD installs in the ceiling membrane for floor/ceiling or roof/ceiling assemblies with a fire resistance rating up to and including 3 hours.

**Features:**

- UL and cUL listed and exceeds UL 555C for use in 3-hour fire rated assemblies
- Warnock-Hersey certified for use in fire rated floor/ceiling or roof/ceiling assemblies
- Available for use with Delta Breez ventilation fans ITG100, ITG80, ITG50, ITG80H, ITG80LED, and ITG50LED.





## 4 Inch Duct Series

### Fan/heater solution to warm and delight.

Quiet operation from 0.7 to 1.5 sones. 80 or 110 CFM for spaces 80-110 sq. ft. Options include dimmable LED or fan/heater only. Built-in thermostat to regulate room temperature for maximum comfort. UL approved for ceiling mount only. Not UL approved for mounting over bathtub or shower.

### Features:

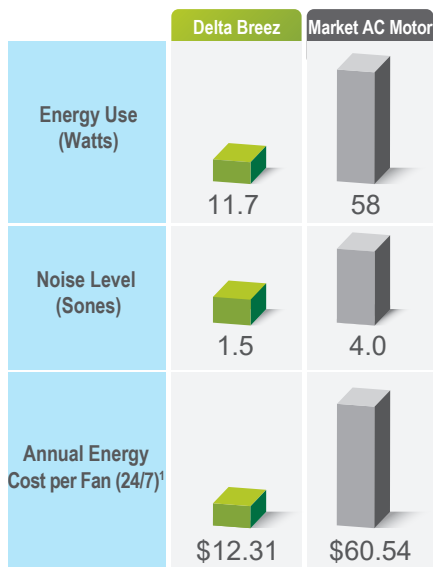
- Energy saving DC motor technology
- Built-in thermostat for consistent temperature
- Metal guard to prevent user contact with heating element
- Heater module equipped with thermal cut off fuse
- Duct diameter of 4"
- 1300/1600 Watts heating element evaluated by cUL for safety standards

### Fan/LED Light:

- 13-Watt LED lamp included (equivalent to a 60-Watt incandescent bulb)
- Main light output of 850 lumens, 3000K and 90 CRI
- Dimmable LED Light (dimmer switch not included)



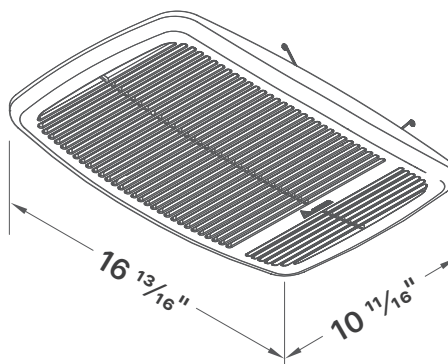
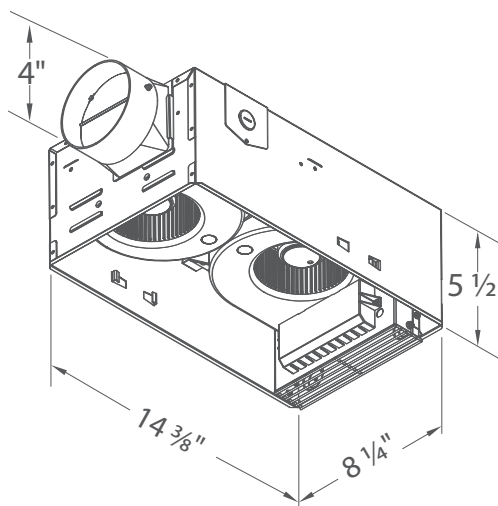
Built-in thermostat



1. Calculations based upon U.S. average retail electricity. Actual results may vary



RAD80 Fan with Heater



## Specifications

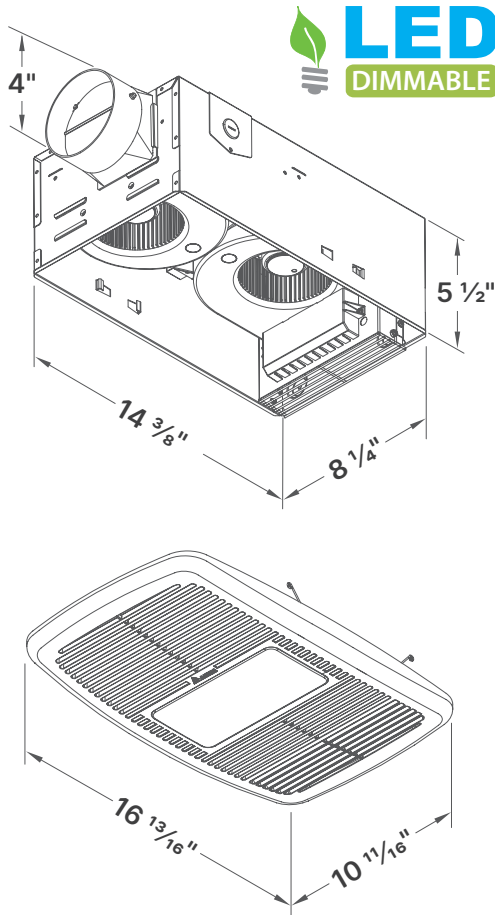
### RAD80 - 80 CFM Fan with Heater



Static Pressure (Inches w.g.)	0.1
Air Flow (CFM)	80
Sones	1.5
Power Consumption (Watts)	11.7
Energy Efficiency (CFM/Watts)	7.0
Current (Amps)	11
Power Rating (V/Hz)	120/60
Heating element (Watts)	1300
Total power (Watts)	1314



RAD80LED Fan/Dimmable LED Light/Heater



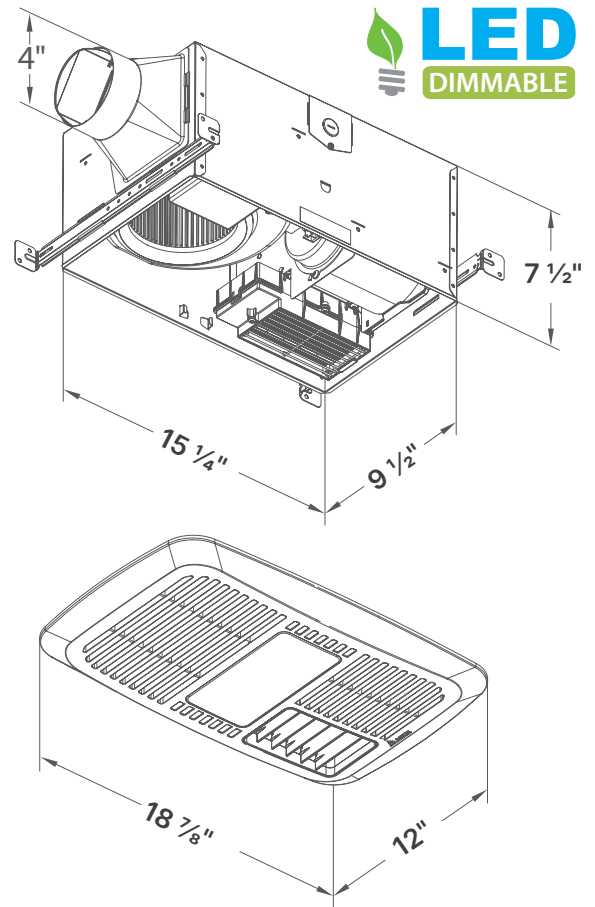
**RAD80LED - 80 CFM**  
Fan/Dimmable LED Light w/ Heater



Static Pressure (Inches w.g.)	0.1
Air Flow (CFM)	80
Sones	1.5
Power Consumption (Watts)	11.7
Energy Efficiency (CFM/Watts)	7.0
Current (Amps)	11
Power Rating (V/Hz)	120/60
Heating element (Watts)	1300
LED (Watts)	13
Total power (Watts)	1327



RAD110LED Fan/Dimmable LED Light/Heater



**RAD110LED - 110 CFM**  
Fan/Dimmable LED Light w/ Heater



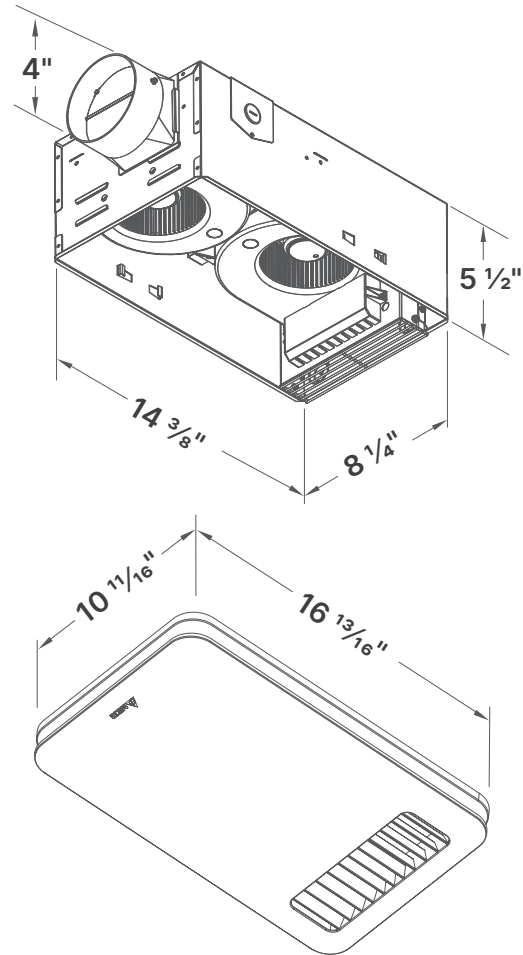
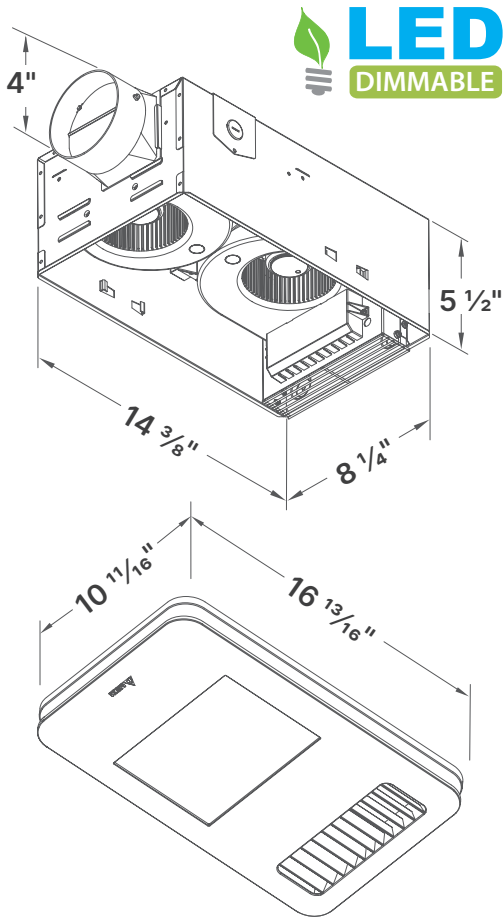
Static Pressure (Inches w.g.)	0.1	0.25
Air Flow (CFM)	110	85
Sones	0.7	1.0
Power Consumption (Watts)	12.0	13.0
Energy Efficiency (CFM/Watts)	11.0	7.8
Current (Amps)	14	
Power Rating (V/Hz)	120/60	
Heating element (Watts)	1600	
LED Light (Watts/Lumens)	13/850	
Total power (Watts)	1650	



RAD80ELED Fan/Edge-lit Dimmable LED Light/Heater



RAD80-DGL Designer Grille/Heater



#### RAD80ELED - 80 CFM

Fan/Edge-lit Dimmable LED Light w/ Heater



Static Pressure (Inches w.g.)	0.1
Air Flow (CFM)	80
Sones	1.5
Power Consumption (Watts)	11.7
Energy Efficiency (CFM/Watts)	7.0
Current (Amps)	11
Power Rating (V/Hz)	120/60
Heating element (Watts)	1300
LED (Watts)	13
Total power (Watts)	1327

#### RAD80-DGL - 80 CFM

Fan/Designer Grille with Heater



Static Pressure (Inches w.g.)	0.1
Air Flow (CFM)	80
Sones	1.5
Power Consumption (Watts)	11.7
Energy Efficiency (CFM/Watts)	7.0
Current (Amps)	11
Power Rating (V/Hz)	120/60
Heating element (Watts)	1300
Total power (Watts)	1314





## 4 Inch Duct Series

### Designer fan solution

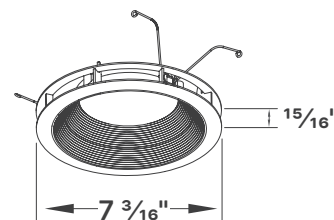
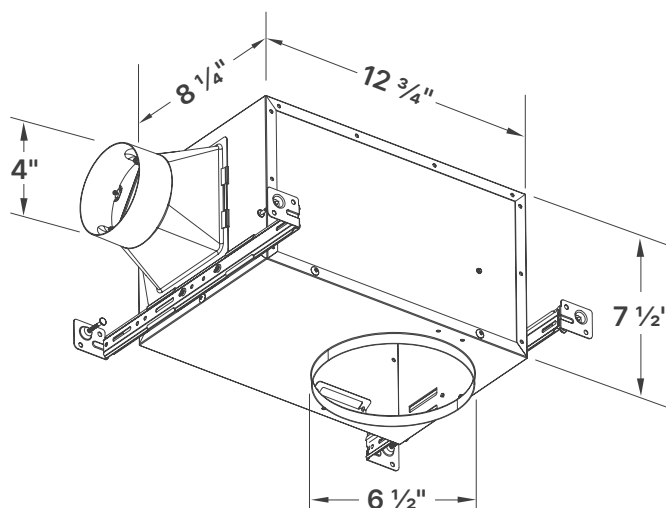
80 CFM fan disguised as a recessed light with Dimmable LED light and night light. For 80 sq. ft. space. Quiet operation at 1.5 sones. UL approved for ceiling mount only.

### Features:

- ENERGY STAR qualified
- Brushless DC motor lasts 70,000 hours for extended reliability
- Quiet Operation at 1.5 sones

### Fan/Dimmable LED Light:

- 13-Watt Dimmable LED light included (dimmer switch not included)
- LED main light output 850 lumens, 3000K, and 90 CRI



	Delta Breez	Market AC Motor
Energy Use (Watts)	14.5	34.4
Noise Level (Sones)	1.5	1.5
Annual Energy Cost per Fan (24/7) <sup>1</sup>	\$15.25	\$35.91

<sup>1</sup> Calculations based upon U.S. average retail electricity. Actual results may vary

## Specifications

### REC80LED - 80 CFM Fan/Dimmable LED Light



Static Pressure (Inches w.g.)	0.1	0.25
Air Flow (CFM)	80	65
Sones	1.5	2.0
Power Consumption (Watts)	14.5	14.5
Energy Efficiency (CFM/Watts)	6.1	5.4
Current (Amps)	0.34 Max	
Power Rating (V/Hz)	120/60	
LED Light (Watts)	13	

A modern kitchen with white cabinetry and a grey countertop. A Delta Breez Fresh Air Supply Fan is mounted on the ceiling, with blue arrows indicating air flow. The fan is a black rectangular unit with a silver mesh grille. The background shows a window with greenery outside and a small potted plant on the counter.

# FRESHNESS IN THE AIR

CONTINUOUS AIRFLOW BY PRESSURIZED DESIGN

Delta Breez Fresh Air Supply Fan

## Meet the New Delta BreezFresh Supply Air Fan: FRS200

When it comes to efficiency and versatility, Delta BreezFresh FRS200 is the industry's best. First, it is the most energy-efficient Supply Air Fan (SAF) on the market, delivering more CFM/watt than competitor products. It is not only Energy Star rated, but it also exceeds Energy Star Most Efficient requirements by 20%. The FRS200 is also the most versatile SAF, offering the widest CFM range from 30 to 200 CFM. Which means, it can meet the ventilation requirements for homes from a 1-bedroom apartment to a 5-bedroom 5,000 ft<sup>2</sup> home.

The Delta BreezFresh FRS200 is also uniquely designed to meet three ventilation functions, Supply, Balanced, and Purification. As a fresh air Supply fan, the FRS200, combined with the optional MERV13 filter, removes outdoor pollutants from the incoming air, reducing allergens and odors. When combined with a DeltaBreez bathroom exhaust fan, the FRS200 creates a balanced ventilation system, which reduces positive or negative pressures inside the home. As an air Purification system, FRS200 and the optional MERV13 filter remove pollutants, such as dust, pet dander, and virus particles from indoor air, then delivers purified air back to the home. The FRS200 creates healthier air using less energy in a larger variety of homes.

### Features:

- Innovative brushless DC motor design for long life, low noise, and low power consumption
- Energy savings up to 72% and 6" round duct (standard)
- Five mounting installation possibilities: ceiling hung, under ceiling, wall mounted, attic mounted, and flush to ceiling
- Easy installation with bracket
- UL/cUL listed
- ECM motor engineered to run continuously for a minimum 70,000 hours
- Insulated housing reduces noise and condensation
- Removable permanently lubricated motor
- Built-in soft start function increases bearing life
- Automatically powers OFF when impeller is locked abnormally



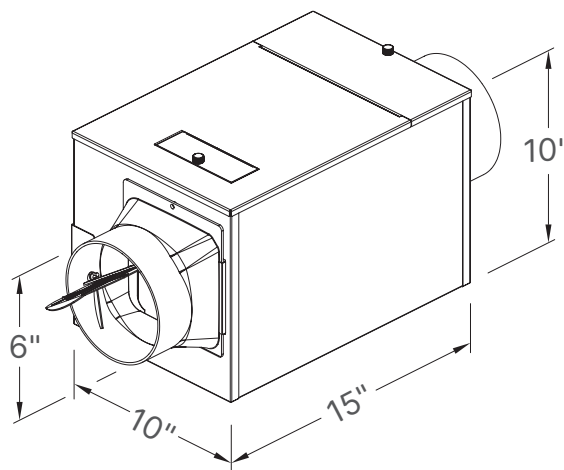
## 6 Inch Duct Series

The fresh air supply fan rated for 30 to 200 CFM, which offers quiet energy efficient operation.

The Delta BreezFresh FRS200 is a fresh air supply fan rated for 30 to 200 CFM, which offers quiet energy efficient operation. It is not just ENERGY STAR rated, it exceeds Energy Star Most Efficient requirements by over 20%. Energy Star Most Efficient recognizes the top ENERGY STAR labeled products.



BreezFresh FRS200	6" Duct (standard)
Length	15"
Width	10"
Height	10"
Ports diameter	6"
Operating Temperature	14° F ~ 104° F



### FRS200 (VDBFRS200) - Supply Fan

Static Pressure (inch w.g.)	0.2									
Air Flow (CFM)	200	170	150	130	110	90	70	50	40	30
Power Consumption (Watts)	42.0	29.3	22.7	19.1	14.1	11.4	8.5	7.2	6.1	5.2
Energy Efficiency (CFM/Watts)	4.8	5.8	6.6	6.8	7.8	7.9	8.2	7.0	6.6	5.8
Static Pressure (inch w.g.)	0.4									
Air Flow (CFM)	160	160	150	130	110	90	70	50	40	29
Power Consumption (Watts)	35.2	35.2	33.6	27.7	21.7	17.7	12.8	11.8	9.8	9.0
Energy Efficiency (CFM/Watts)	4.6	4.6	4.6	4.7	5.1	5.1	5.5	4.2	4.1	3.2

### Performance with pre-filter & MERV 13 filter installed

### FRS200 (VDBFRS200) - Supply Fan

Static Pressure (inch w.g.)	0.2									
Air Flow (CFM)	200	170	150	130	110	90	70	50	40	30
Power Consumption (Watts)	33.0	23.5	18.8	16.2	11.7	10.0	8.0	6.3	5.4	4.7
Energy Efficiency (CFM/Watts)	6.0	7.2	7.9	8.0	9.4	9.0	8.8	7.9	7.4	6.4
Static Pressure (inch w.g.)	0.4									
Air Flow (CFM)	197	170	150	129	110	90	70	47	40	30
Power Consumption (Watts)	42.0	34.9	29.0	22.5	19.5	15.9	13.0	10.5	9.2	8.5
Energy Efficiency (CFM/Watts)	4.7	4.9	5.2	5.7	5.6	5.7	5.3	4.5	4.4	3.5

### Performance with pre-filter installed



## Professional (6" duct)

### Large space solution.

Single speed 300 CFM. Quiet operation at 2 sones. For spaces 300 sq. ft. Perfect for large bathrooms, laundry rooms, conference rooms. UL approved for ceiling mount only.

### Features:

- DC motor technology, energy saving up to 36%<sup>1</sup>
- Galvanized steel body
- Detachable 6" diameter metal duct adapter
- Built-in backdraft damper
- LED indicator light green when power is on



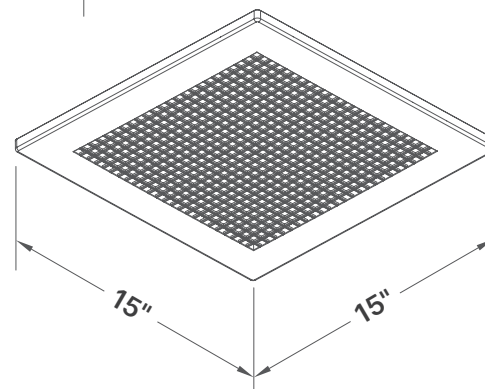
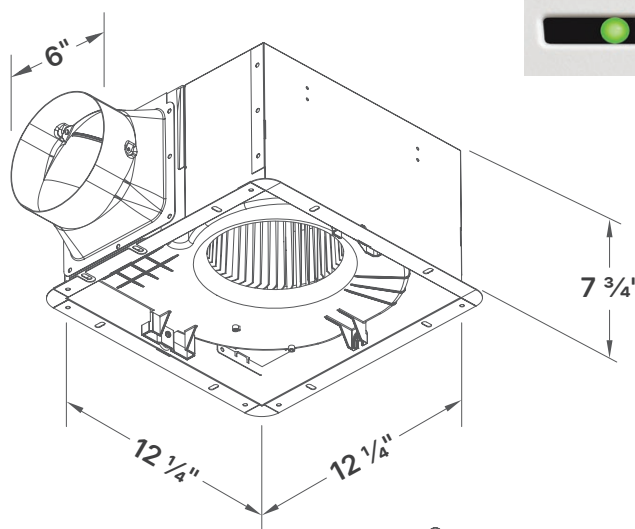
	Delta Breez	Market AC Motor
Energy Use (Watts)	41	64
Noise Level (Sones)	2.0	2.0
Annual Energy Cost per Fan (24/7) <sup>2</sup>	\$43.13	\$67.32

1. Based upon Breez Pro300 vs. Market AC motor

2. Calculations based upon U.S. average retail electricity. Actual results may vary



LED Indicator Light:



## Specifications

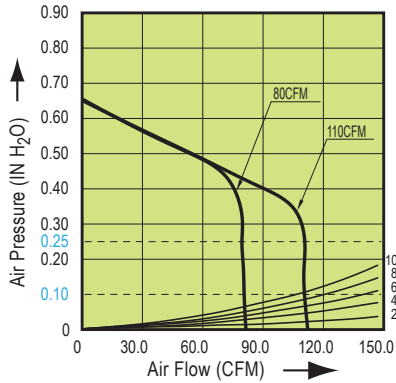
### Pro300 - 300 CFM Fan



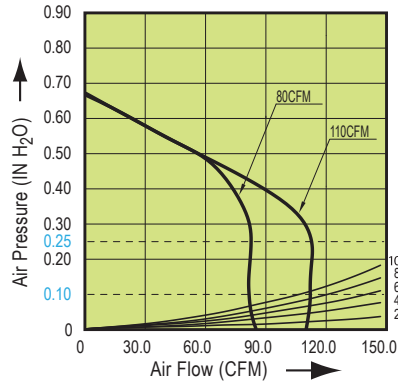
Static Pressure (Inches w.g.)	0.1	0.25
Air Flow (CFM)	300	268
Sones	2.0	2.5
Power Consumption (Watts)	41	43
Energy Efficiency (CFM/Watts)	7.3	6.2
Current (Amps)	0.72 Max	
Power Rating (V/Hz)	120/60	



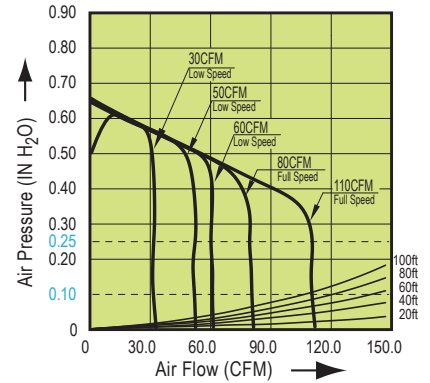
**SIG80-110 Fan Curve**



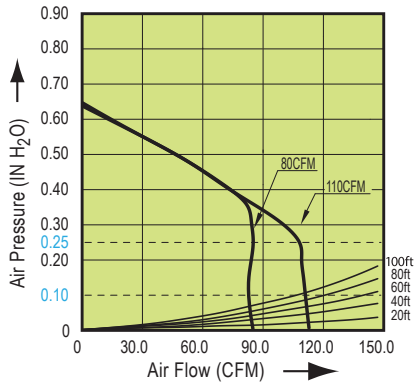
**SIG80-110LED Fan Curve**



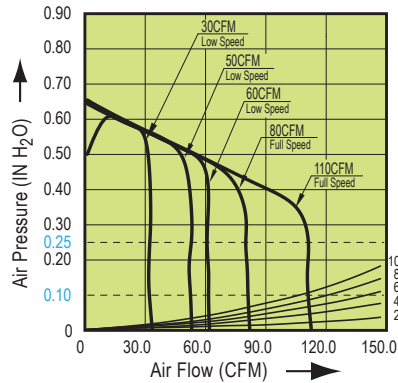
**SIG80-110D Fan Curve**



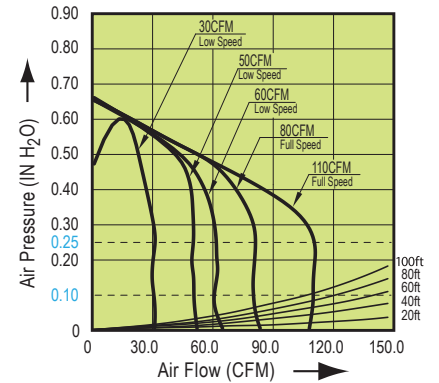
**SIG80-110ELED Fan Curve**



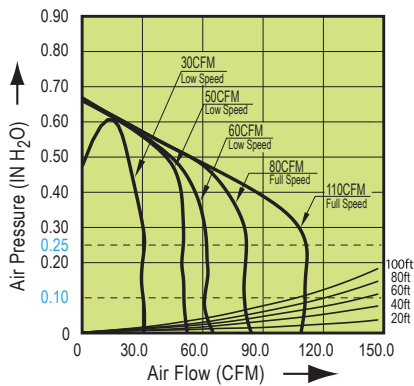
**SIG80-110H Fan Curve**



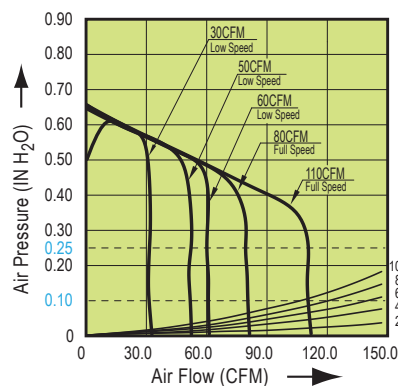
**SIG80-110HLED Fan Curve**



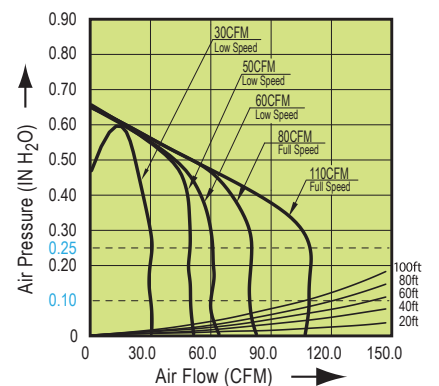
**SIG80-110DLED Fan Curve**



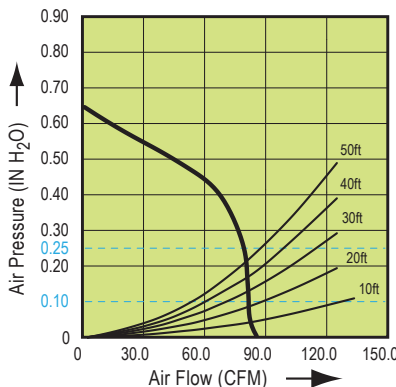
**SIG80-110MH Fan Curve**



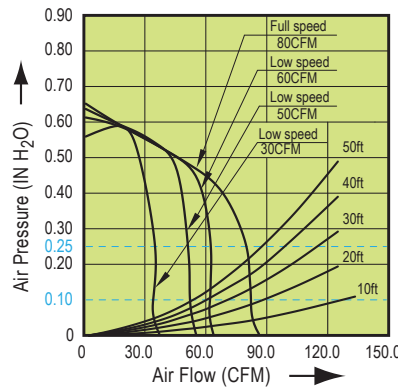
**SIG80-110MHLED Fan Curve**



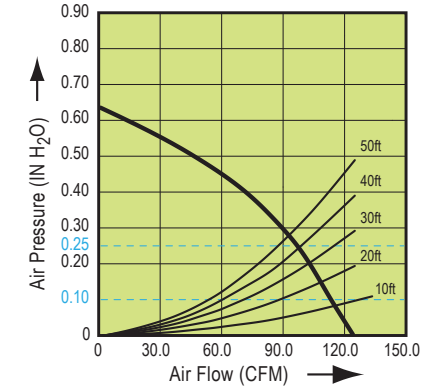
**SIG80 Fan Curve**



**SIG80D Fan Curve**

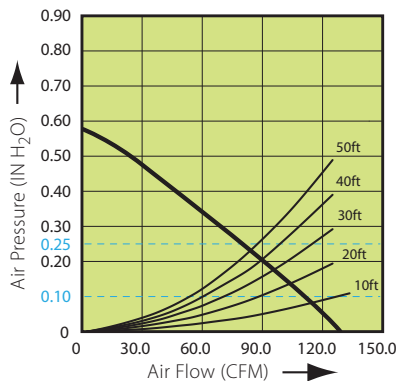


**SIG110 Fan Curve**



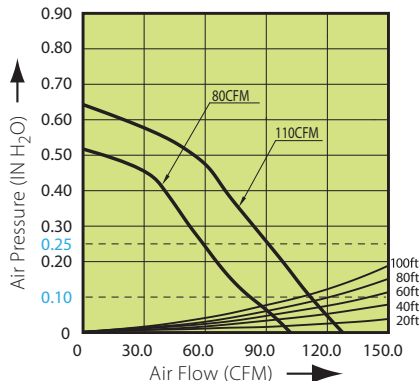
## BreezSignature Fan Curves

### VFB25ADBT Fan Curve

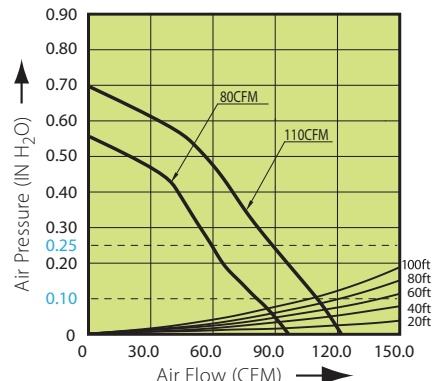


## BreezElite Fan Curves

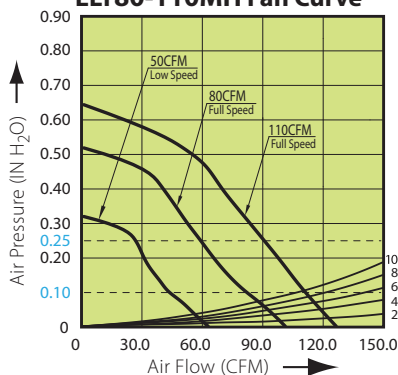
### ELT80-110 Fan Curve



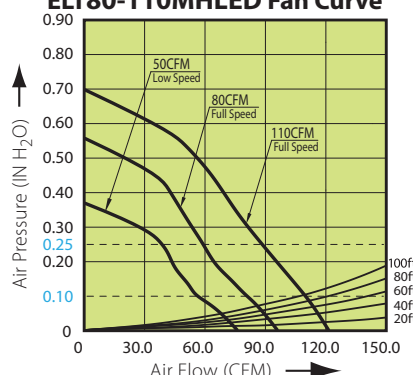
### ELT80-110LED Fan Curve



### ELT80-110D / ELT80-110H ELT80-110MH Fan Curve

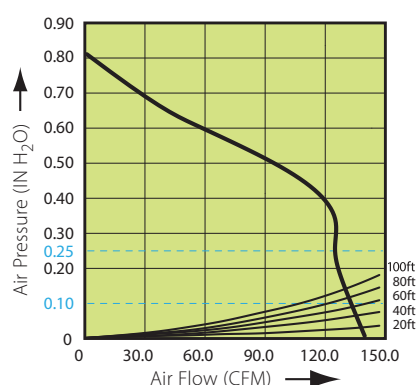


### ELT80-110DLED / ELT80-110HLED ELT80-110MHLED Fan Curve



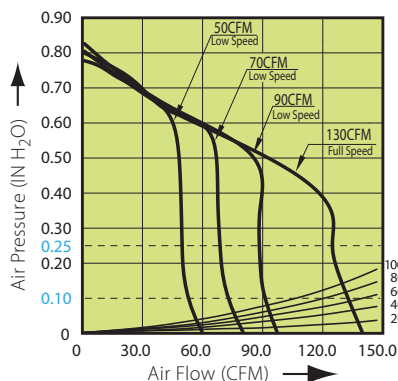
## BreezSmart Fan Curves

### SMT130 Fan Curve

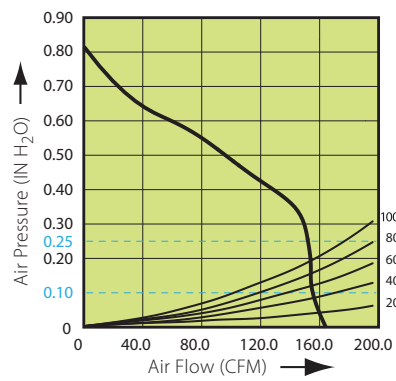


## BreezSmart Fan Curves

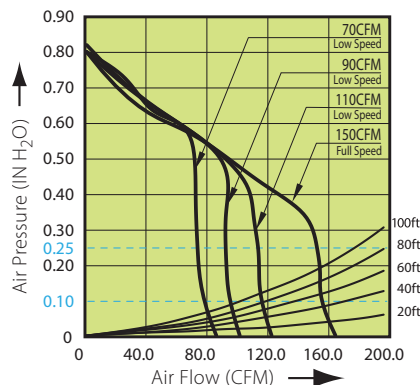
### SMT130H & SMT130M Fan Curve



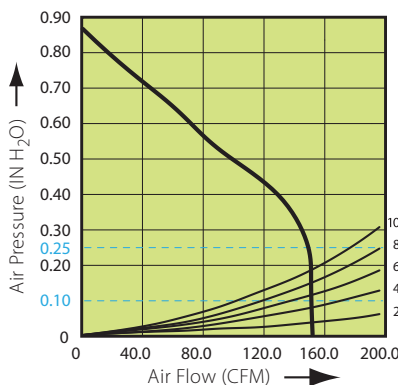
### SMT150 Fan Curve



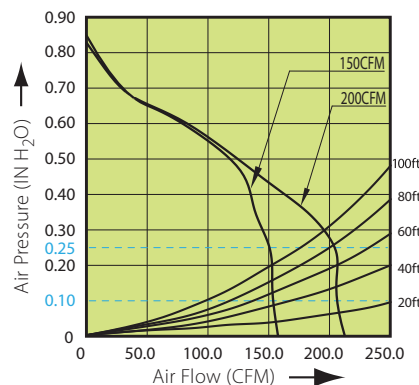
### SMT150D Fan Curve



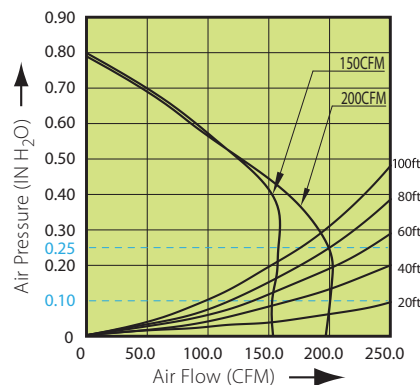
### SMT150LED Fan Curve



### SMT150-200 Fan Curve

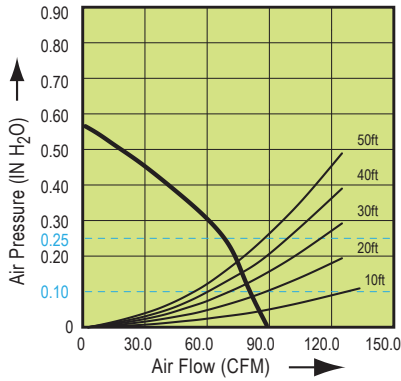


### SMT150-200LED Fan Curve

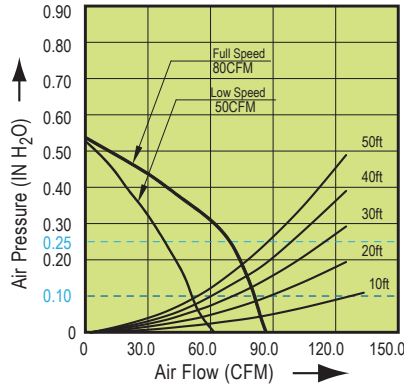


## BreezGreenBuilder Fan Curves

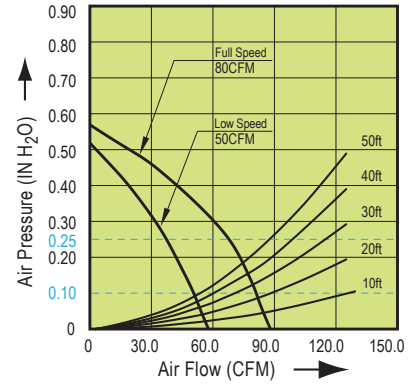
**GBR80 Fan Curve**



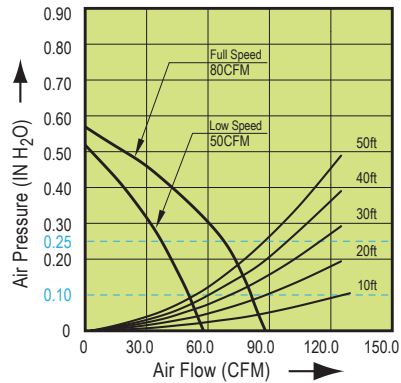
**GBR80H Fan Curve**



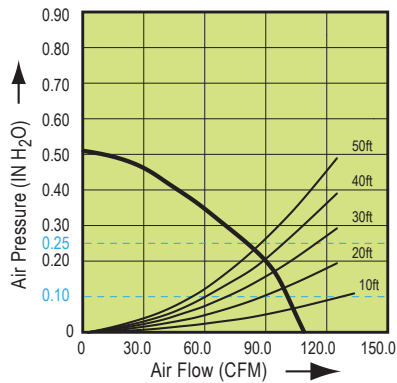
**GBR80HLED Fan Curve**



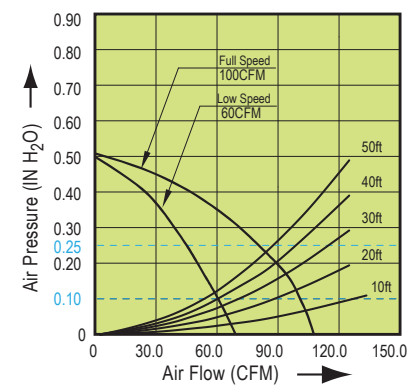
**GBR80HLED Fan Curve**



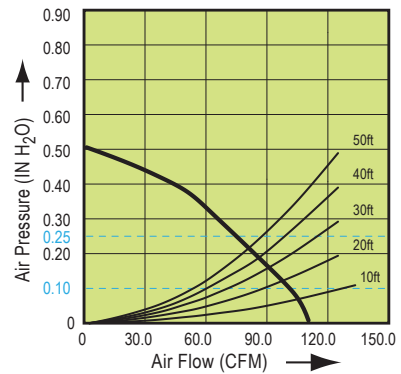
**GBR100 Fan Curve**



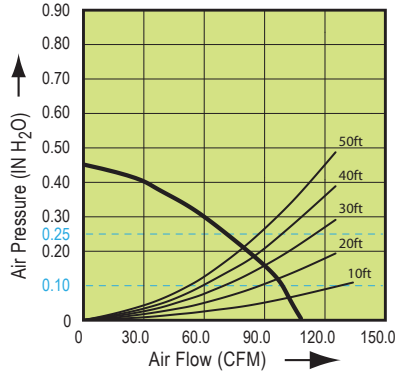
**GBR100H Fan Curve**



**GBR100LED Fan Curve**

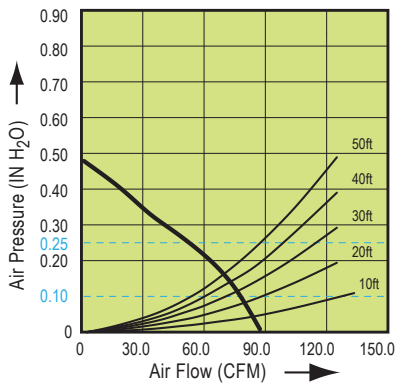


**GBR100LED-DECOR Fan Curve**

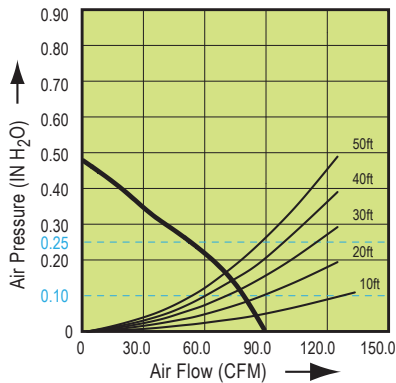


## BreezRadiance Fan Curve

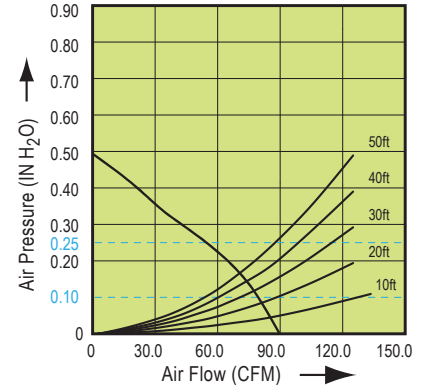
**RAD80 Fan Curve**



**RAD80L Fan Curve**

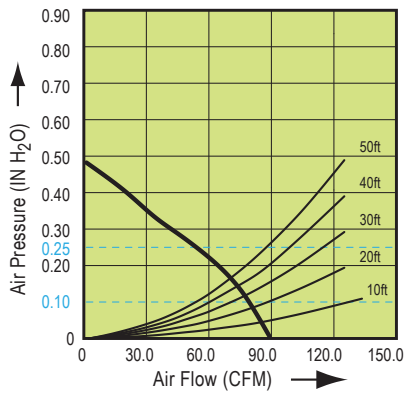


**RAD80-DGL Fan Curve**

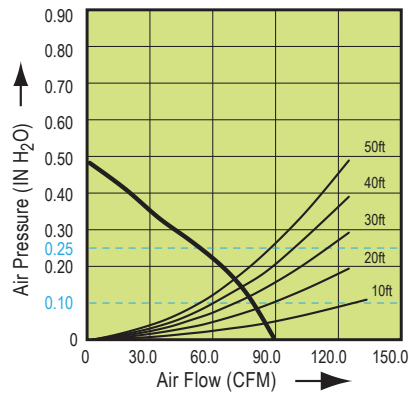


## BreezRadiance Fan Curve

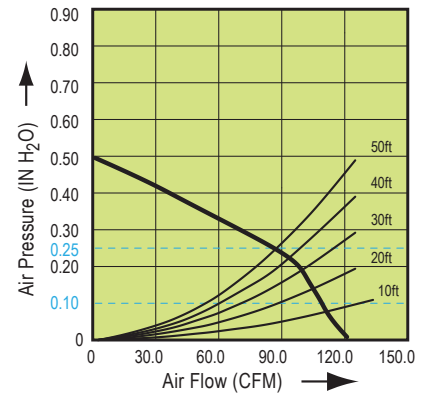
### RAD80LED Fan Curve



### RAD80LED Fan Curve

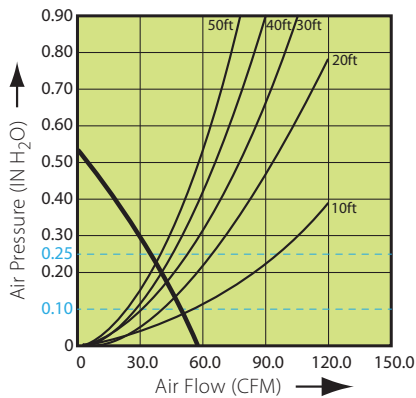


### RAD110LED Fan Curve

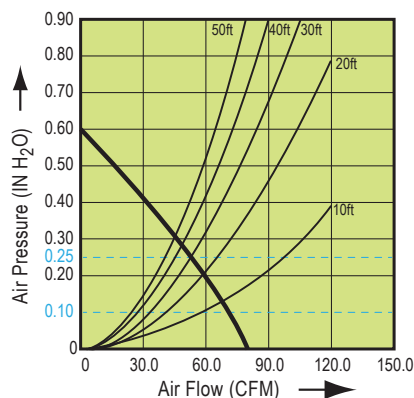


## BreezSlim Fan Curves

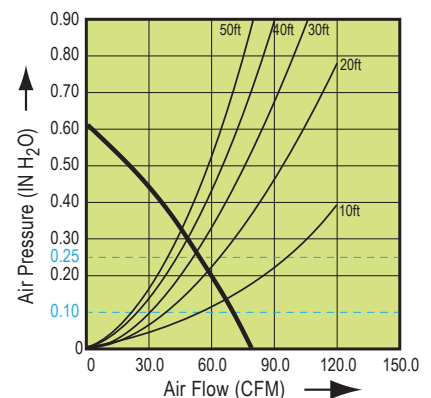
### SLM50 Fan Curve



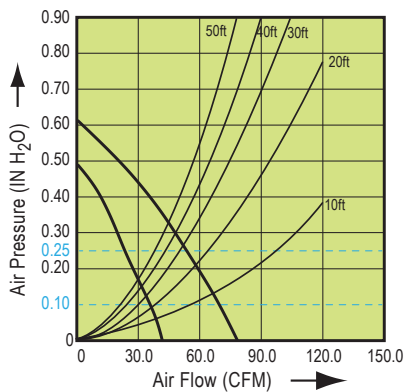
### SLM70 Fan Curve



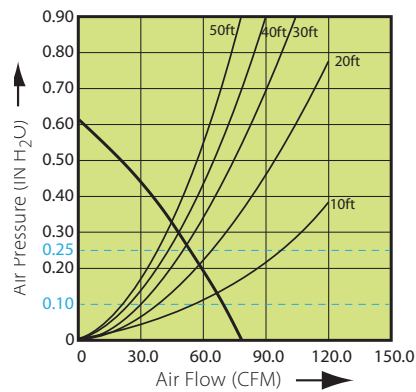
### SLM70H Fan Curve



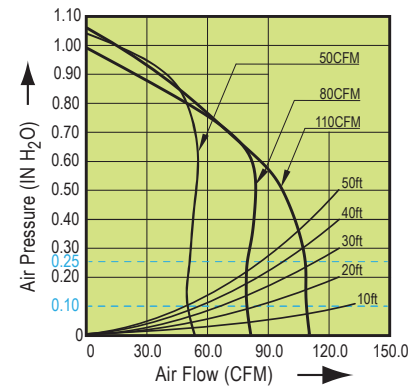
### SLM70D Fan Curve



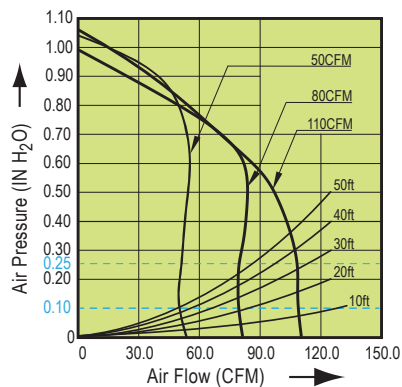
### SLM70ELED Fan Curve



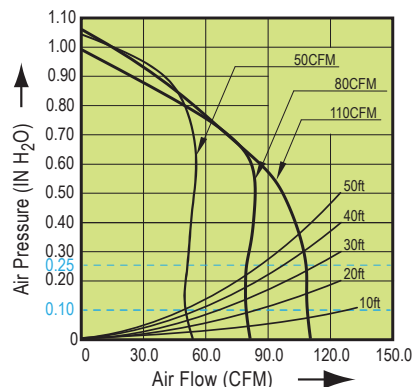
### SLM50-110-C Fan Curve



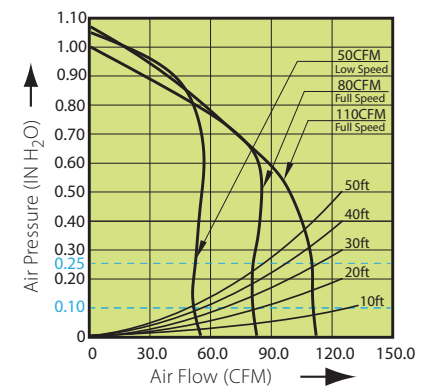
### SLM50-110LED-C Fan Curve



### SLM80-110H-C Fan Curve



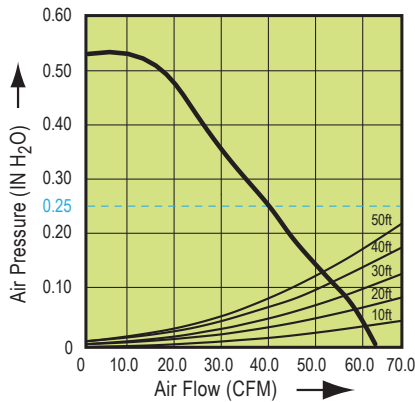
### SLM80-110D-C & SLM80-110DLED-C



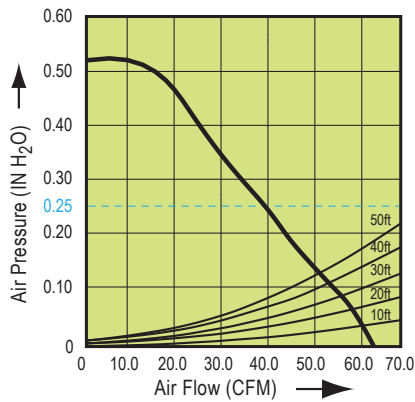


## BreezIntegrity Fan Curves

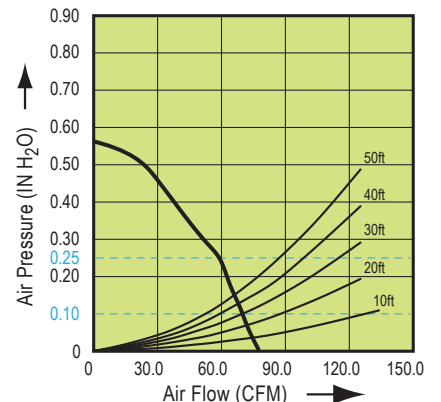
### ITG50 Fan Curve



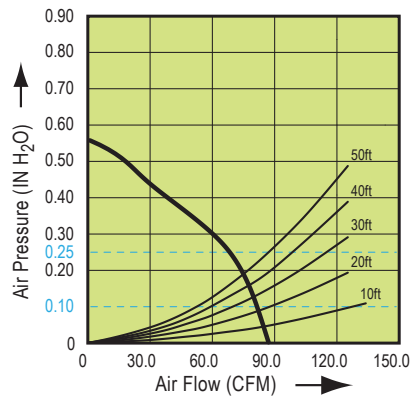
### ITG50LED Fan Curve



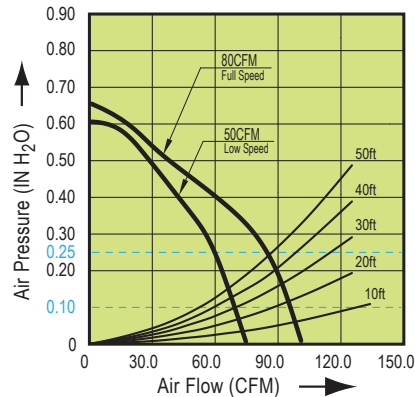
### ITG70BT Fan Curve



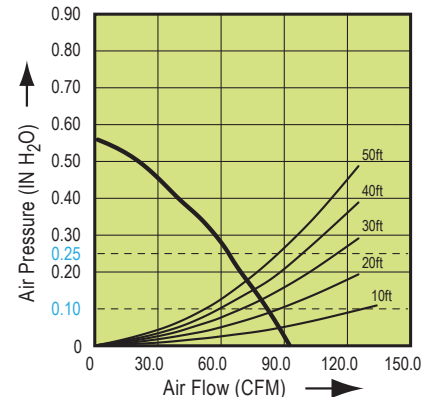
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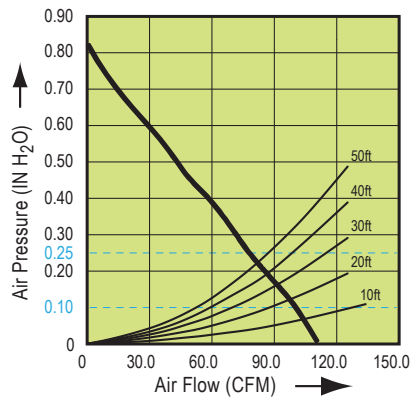
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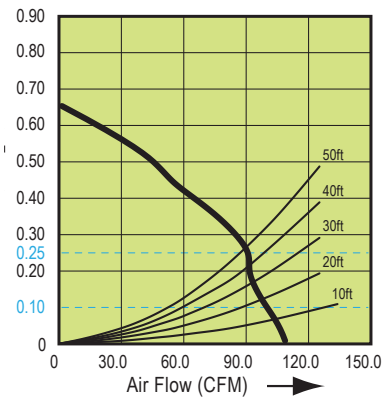
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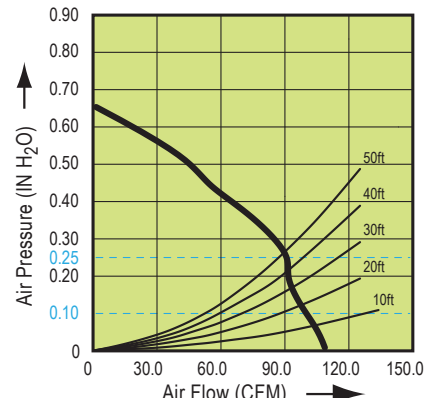
### ITG100 Fan Curve



### ITG100ELED Fan Curve

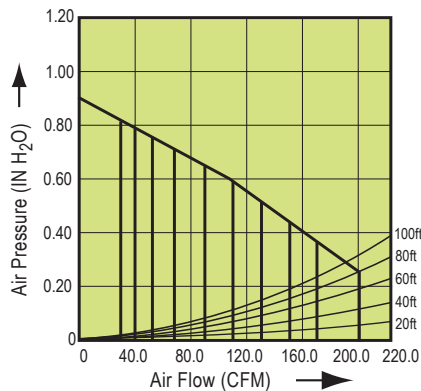


### ITG100RLED Fan Curve



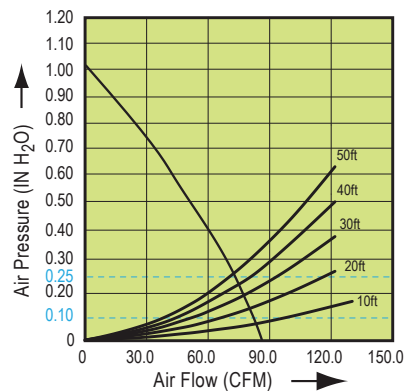
## BreezFresh Fan Curves

### FRS200



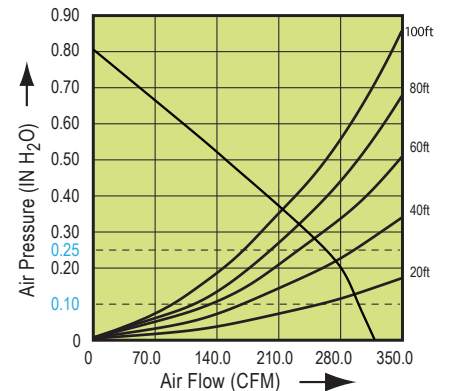
## BreezRecessed Fan Curves

### REC80LED Fan Curve



































## BreezPro Fan Curve





### Pro300 Fan Curve



# PRODUCT SELECTION GUIDE: FIND THE MOST SUITABLE FAN

	Model #	Air Flow (CFM)	Duct Size	Description	
Signature	SIG80-110	80-110	6 inches	High Speed Options Fan	
	SIG80-110LED	80-110	6 inches	Fan/Dimmable LED Light/Night-Light	
	SIG80-110ELED	80-110	6 inches	Fan/Edge-lit Dimmable LED Light w/ adjustable color temperature	
	SIG80-110D	80-110	6 inches	Fan with Dual Speed	
	SIG80-110DLED	80-110	6 inches	Fan/Dimmable LED Light/Night-Light w/Dual Speed	 
	SIG80-110H	80-110	6 inches	Fan with Humidity Sensor	
	SIG80-110HLED	80-110	6 inches	Fan/Dimmable LED Light/Night-Light w/ Humidity Sensor	 
	SIG80-110MH	80-110	6 inches	Fan with Motion & Humidity Sensor	 
	SIG80-110MHLED	80-110	6 inches	Fan/ Dimmable LED Light/Night-Light with Motion & Humidity Sensor	  
	SIG80	80	4 inches	Single Speed	
	SIG80D	80	4 inches	Fan with Dual Speed	
	SIG110	110	4 inches	Single Speed	
	VFB25ADBT	110	4 inches	Fan with Bluetooth®	
Smart	SMT130	130	6 inches	Single Speed	
	SMT130M	130	6 inches	Fan with Motion Sensor	
	SMT130H	130	6 inches	Fan with Humidity Sensor	
	SMT150	150	6 inches	Single Speed	
	SMT150D	150	6 inches	Fan with Dual Speed	
	SMT150LED	150	6 inches	Fan/ Dimmable LED Light / Night-Light	
	SMT150-200	150-200	6 inches	High Speed Options Fan	
	SMT150-200LED	150-200	6 inches	Fan/Dimmable LED Light w/ adjustable color temperature	
Recessed	REC80LED	80	4 inches	Fan/Dimmable LED Light	
Elite	ELT80-110	80-110	6 inches	High Speed Options Fan	
	ELT80-110LED	80-110	6 inches	Fan/Dimmable LED Light	
	ELT80-110D	80-110	6 inches	Fan with Dual Speed	
	ELT80-110DLED	80-110	6 inches	Fan/Dimmable LED Light with Dual Speed	
	ELT80-110H	80-110	6 inches	Fan with Humidity Sensor	
	ELT80-110HLED	80-110	6 inches	Fan/Dimmable LED Light with Humidity Sensor	 
	ELT80-110MH	80-110	6 inches	Fan with Motion and Humidity Sensor	 
	ELT80-110MHLED	80-110	6 inches	Fan/Dimmable LED Light w/ Motion and Humidity Sensor	  



































 LED Light 
  Dimmable LED Light 
  Adjustable motion sensor 
  Adjustable humidity sensor 
  Adjustable dual speed

Motor	Noise (Sones)	Energy Use (Watts)	Energy Efficiency (CFM/Watts)	Electric Bill <sup>1</sup>		 Most Efficient 2023 <a href="http://www.energystar.gov">www.energystar.gov</a>	 Intermittent	 Continuous
DC	<0.3	6.2	15.4	\$6.52	Y	Y	Y	Y
DC	<0.3	6.8 (Fan Only)	13.8	\$7.15	Y	Y	Y	Y
DC	<0.3	7.5 (Fan Only)	11.7	\$7.89	Y	Y	Y	Y
DC	<0.3	6.2	15.4	\$6.50	Y	Y	Y	Y
DC	<0.3	6.8 (Fan Only)	13.8	\$7.20	Y	Y	Y	Y
DC	<0.3	6.2	15.4	\$6.50	Y	Y	Y	Y
DC	<0.3	6.8 (Fan Only)	13.8	\$7.20	Y	Y	Y	Y
DC	<0.3	6.2	15.4	\$6.50	Y	Y	Y	Y
DC	<0.3	6.8 (Fan Only)	13.8	\$7.20	Y	Y	Y	Y
DC	<0.3	8.7	9.7	\$9.15	Y		Y	Y
DC	<0.3	8.7	9.7	\$9.15	Y		Y	Y
DC	<0.3	13.6	9.0	\$14.31	Y		Y	Y
DC	1.0	14.2	7.7	\$14.94	Y		Y	Y
DC	<0.3	11.6	11.2	\$12.10	Y	Y	Y	Y
DC	<0.3	11.6	11.2	\$12.10	Y	Y	Y	Y
DC	<0.3	11.6	11.2	\$12.10	Y	Y	Y	Y
DC	<0.3	16.9	8.8	\$17.63	Y		Y	Y
DC	<0.3	16.9	8.8	\$17.63	Y		Y	Y
DC	0.5	17.6 (Fan Only)	8.5	\$18.51	Y		Y	Y
DC	0.5	14.0	10.7	\$14.71	Y		Y	Y
DC	0.5	15.0 (Fan Only)	10.0	\$15.77	Y		Y	Y
DC	1.5	14.5 (Fan only)	6.1	\$15.25	Y		Y	
DC	0.5	7.0	11.4	\$7.36	Y	Y	Y	Y
DC	0.5	7.0 (Fan Only)	11.4	\$7.36	Y	Y	Y	Y
DC	0.5	7.0	11.4	\$7.36	Y	Y	Y	Y
DC	0.5	7.0 (Fan Only)	11.4	\$7.36	Y	Y	Y	Y
DC	0.5	7.0	11.4	\$7.36	Y	Y	Y	Y
DC	0.5	7.0 (Fan Only)	11.4	\$7.36	Y	Y	Y	Y
DC	0.5	7.0	11.4	\$7.36	Y	Y	Y	Y
DC	0.5	7.0 (Fan Only)	11.4	\$7.36	Y	Y	Y	Y







<sup>1</sup> Annual Energy Cost per Fan (24/7). Calculations based upon U.S. average retail electricity and HVI testing labs. Actual results may vary

# PRODUCT SELECTION GUIDE: FIND THE MOST SUITABLE FAN

	Model #	Air Flow (CFM)	Duct Size	Description	
GreenBuilder	GBR80	80	4 inches	Single Speed	
	GBR80H	80	4 inches	Fan with Humidity Sensor	
	GBR80HLED	80	4 inches	Fan/Dimmable LED Light with Humidity Sensor	 
	GBR80LED	80	4 inches	Fan/Dimmable LED Light	
	GBR100	100	4 inches	Single Speed	
	GBR100H	100	4 inches	Fan with Humidity Sensor	
	GBR100LED	100	4 inches	Fan/Dimmable LED Light	
	GBR100LED-DECOR	100	4 inches	Fan/Dimmable LED Light Decor	
Slim	SLM50	50	3 inches	Single Speed	
	SLM70	70	3 inches	Single Speed	
	SLM70ELED	70	3 inches	Fan with Edge-Lit Dimmable LED Light	
	SLM70H	70	3 inches	Fan with Humidity Sensor	
	SLM70D	70	3 inches	Fan with Dual Speed	
	SLM50-110-C	50-110	4 inches Oval	High Speed Options Fan	
	SLM50-110LED-C	50-110	4 inches Oval	Fan/Dimmable LED Light	
	SLM80-110H-C	80-110	4 inches Oval	Fan with Humidity Sensor	
	SLM80-110D-C	80-110	4 inches Oval	Fan with Dual Speed	
	SLM80-110DLED-C	80-110	4 inches Oval	Fan/Dimmable LED Light with Dual Speed	 
Integrity	ITG50	50	4 inches	Single Speed	
	ITG50LED	50	4 inches	Fan/Dimmable LED Light	
	ITG70BT	70	4 inches	Fan with Bluetooth®	
	ITG80	80	4 inches	Single Speed	
	ITG80H	80	4 inches	Fan with humidity Sensor	
	ITG80LED	80	4 inches	Fan/Dimmable LED Light	
	ITG80RLED-ADJ	80	4 inches	Fan/Dimmable LED Light, Round, Adjustable Color Temperature	 
	ITG100	100	4 inches	Single Speed	
	ITG100ELED	100	4 inches	Fan/Edge-lit Dimmable LED Light	
	ITG100RLED	100	4 inches	Fan/Edge-Lit Dimmable LED Light, Flat Round Panel	
Radiance	RAD80	80	4 inches	Fan with Heater	
	RAD80L	80	4 inches	Fan/Light Combo with heater	 
	RAD80-DGL	80	4 inches	Fan/Designer Grille with heater	
	RAD80ELED	80	4 inches	Fan/Edge-Lit Dimmable LED Light with heater	 
	RAD80LED	80	4 inches	Fan/Dimmable LED Light with Heater	 
	RAD110LED	110	4 inches	Fan/Dimmable LED Light with Heater	 
Professional	Pro300	300	6 inches	Single Speed	
Fresh	FRS200	30-200	6 inches	High Speed Inline Fan	



Motor	Noise (Sones)	Energy Use (Watts)	Energy Efficiency (CFM/Watts)	Electric Bill <sup>1</sup>		 Most Efficient 2023 <a href="http://www.energystar.gov">www.energystar.gov</a>	 MEETS & EXCEEDS ASHRAE 62.2 REQUIREMENTS	 MEETS & EXCEEDS ASHRAE 62.2 REQUIREMENTS
							Intermittent	Continuous
DC	0.8	10.5	7.6	\$10.95	Y		Y	Y
DC	0.8	9.7	8.2	\$10.20	Y		Y	Y
DC	0.8	11.0 (Fan only)	7.2	\$11.57	Y		Y	Y
DC	0.8	11.0 (Fan only)	7.2	\$11.57	Y		Y	Y
DC	1.4	12.6	7.9	\$13.15	Y		Y	
DC	1.4	12.6	7.9	\$13.15	Y		Y	
DC	1.5	13.6 (Fan only)	7.3	\$14.31	Y		Y	
DC	1.5	13.0 (Fan only)	7.6	\$13.68	Y		Y	
DC	1.0	6.4	11.6	\$6.73	Y	Y		Y
DC	2.0	13.2	5.8	\$13.88	Y		Y	
DC	2.0	13.2 (Fan Only)	6.0	\$13.88	Y		Y	Y
DC	2.0	13.2	5.8	\$13.88	Y		Y	
DC	2.0	13.2	7.1	\$13.88	Y		Y	Y
DC	0.4	6.0	8.3	\$6.31	Y		Y	Y
DC	0.4	6.0 (Fan Only)	8.8	\$6.31	Y		Y	Y
DC	0.4	8.5	9.4	\$8.94	Y		Y	Y
DC	0.4	8.5	9.4	\$8.94	Y		Y	Y
DC	0.4	9.0 (Fan Only)	8.8	\$9.47	Y		Y	Y
DC	0.7	5.0	12.5	\$5.26	Y	Y		Y
DC	0.7	5.0 (Fan Only)	12.5	\$5.26	Y	Y		Y
DC	1.0	8.4	10.6	\$8.83	Y	Y	Y	Y
DC	1.3	9.5	8.4	\$9.98	Y		Y	
DC	1.5	10.0	9.0	\$10.51	Y		Y	Y
DC	1.3	11.3 (Fan Only)	7.2	\$11.88	Y		Y	
DC	1.3	11.3 (Fan Only)	7.2	\$11.88	Y		Y	
DC	1.5	17.0	7.6	\$17.88	Y		Y	
DC	1.5	17.0 (Fan Only)	7.5	\$17.88	Y		Y	
DC	1.5	17.0 (Fan Only)	7.5	\$17.88	Y		Y	
DC	1.5	11.7	7.0	\$12.31			Y	
DC	1.5	11.7	7.0	\$12.31			Y	
DC	1.5	11.7	7.0	\$12.31			Y	
DC	1.5	11.7	7.0	\$12.31			Y	
DC	1.5	11.7 (Fan Only)	7.0	\$12.31			Y	
DC	0.7	12.0 (Fan Only)	11	\$12.62			Y	Y
DC	2.0	41	7.3	\$43.09	Y		Y	Y
DC	N/A	33.0	6.0	\$34.71	Y	Y	Y	Y

## EQUIVALENT DUCT LENGTHS

This chart shows Equivalent Duct Lengths (EDL) for BreezSignature, BreezSmart, BreezRecessed, BreezElite, BreezGreenBuilder, BreezSlim, BreezIntegrity, BreezRadiance, BreezProfessional, and BreezFresh models by CFM (airflow) output for duct lengths from 50ft to 300ft.

	Breez Models	Description	Duct Size	40ft	60ft	80ft	100ft
Signature	SIG80-110 (80-110 CFM)	High Speed Options Fan	6 inches	110 CFM	110 CFM	110 CFM	110 CFM
	SIG80-110LED (80-110 CFM)	Fan/ Dimmable LED Light/Night-Light	6 inches	110 CFM	110 CFM	110 CFM	110 CFM
	SIG80-110ELED (80-110 CFM)	Fan/Edge-lit Dimmable LED Light w/ adjustable color temperature	6 inches	110 CFM	110 CFM	110 CFM	110 CFM
	SIG80-110D (80-110 CFM)	Dual Speed	6 inches	110 CFM	110 CFM	110 CFM	110 CFM
	SIG80-110DLED (80-110 CFM)	Fan/ Dimmable LED Light/Night-Light with Dual Speed Options Fan	6 inches	110 CFM	110 CFM	110 CFM	110 CFM
	SIG80-110H (80-110 CFM)	Fan with Humidity Sensor	6 inches	110 CFM	110 CFM	110 CFM	110 CFM
	SIG80-110HLED (80-110 CFM)	Fan/Dimmable LED Light/Night-Light w/ Humidity Sensor	6 inches	110 CFM	110 CFM	110 CFM	110 CFM
	SIG80-110MH (80-110 CFM)	Fan with Motion & Humidity Sensor	6 inches	110 CFM	110 CFM	110 CFM	110 CFM
	SIG80-110MHLED (80-110 CFM)	Fan/ Dimmable LED Light/Night-Light w/ Motion and Humidity Sensor	6 inches	110 CFM	110 CFM	110 CFM	110 CFM
	SIG80 (80 CFM)	Single Speed	4 inches	70 CFM	70 CFM	60 CFM	60 CFM
	SIG80D (80 CFM)	Dual Speed	4 inches	70 CFM	70 CFM	60 CFM	60 CFM
	SIG110 (110 CFM)	Single Speed	4 inches	90 CFM	90 CFM	80 CFM	80 CFM
Smart	VFB25ADBT (110 CFM)	Fan with Bluetooth®	4 inches	90 CFM	80 CFM	70 CFM	70 CFM
	SMT130 (130 CFM)	Single Speed	6 inches	130 CFM	130 CFM	120 CFM	120 CFM
	SMT130H (130 CFM)	Multi-Speed with Humidity Sensor	6 inches	130 CFM	130 CFM	120 CFM	120 CFM
	SMT130M (130 CFM)	Multi-Speed with Motion Sensor	6 inches	130 CFM	130 CFM	120 CFM	120 CFM
	SMT150 (150 CFM)	Single Speed	6 inches	150 CFM	150 CFM	140 CFM	140 CFM
	SMT150D (150 CFM)	Dual Speed	6 inches	150 CFM	150 CFM	140 CFM	140 CFM
	SMT150LED (150 CFM)	Fan/Dimmable LED Light / Night-Light	6 inches	150 CFM	150 CFM	150 CFM	150 CFM
	SMT150-200 (200 CFM)	Single Speed	6 inches	200 CFM	200 CFM	200 CFM	190 CFM
Recessed	SMT150-200LED (200 CFM)	Fan/Dimmable LED Light w/ adjustable color temperature	6 inches	200 CFM	200 CFM	200 CFM	190 CFM
	REC80LED (80 CFM)	Fan/Dimmable LED Light	4 inches	70 CFM	70 CFM	60 CFM	60 CFM
Elite	ELT80-110 (80-110 CFM)	High Speed Options Fan	6 inches	110 CFM	110 CFM	110 CFM	100 CFM
	ELT80-110LED (80-110 CFM)	Fan/Dimmable LED Light	6 inches	110 CFM	110 CFM	110 CFM	100 CFM
	ELT80-110D (80-110 CFM)	Dual Speed	6 inches	110 CFM	110 CFM	110 CFM	100 CFM
	ELT80-110DLED (80-110 CFM)	Fan/Dimmable LED Light with Dual Speed	6 inches	110 CFM	110 CFM	110 CFM	100 CFM
	ELT80-110H (80-110 CFM)	Fan with Humidity Sensor	6 inches	110 CFM	110 CFM	110 CFM	100 CFM
	ELT80-110HLED (80-110 CFM)	Fan/Dimmable LED Light w/ Humidity Sensor	6 inches	110 CFM	110 CFM	110 CFM	100 CFM
	ELT80-110MH (80-110 CFM)	Fan with Motion and Humidity Sensor	6 inches	110 CFM	110 CFM	110 CFM	100 CFM
	ELT80-110MHLED (80-110 CFM)	Fan/Dimmable LED Light w/ Motion and Humidity Sensor	6 inches	110 CFM	110 CFM	110 CFM	100 CFM
GreenBuilder	GBR80 (80 CFM)	Single Speed	4 inches	70 CFM	70 CFM	60 CFM	60 CFM
	GBR80H (80 CFM)	Fan with Humidity Sensor	4 inches	70 CFM	70 CFM	60 CFM	60 CFM
	GBR80HLED (80 CFM)	Fan/Dimmable LED Light w/ Humidity Sensor	4 inches	70 CFM	70 CFM	60 CFM	60 CFM
	GBR80LED (80 CFM)	Fan/Dimmable LED Light	4 inches	70 CFM	70 CFM	60 CFM	60 CFM
	GBR100 (100 CFM)	Single Speed	4 inches	80 CFM	70 CFM	70 CFM	60 CFM
	GBR100H (100 CFM)	Fan with Humidity Sensor	4 inches	80 CFM	70 CFM	70 CFM	60 CFM
	GBR100LED (100 CFM)	Fan/ Dimmable LED Light	4 inches	80 CFM	70 CFM	70 CFM	60 CFM
	GBR100LED-DECOR (100 CFM)	Fan/ Dimmable LED Light Decor	4 inches	80 CFM	70 CFM	60 CFM	60 CFM

## EQUIVALENT DUCT LENGTHS (cont.)

	Breez Models	Description	Duct Size	40ft	60ft	80ft	100ft
Slim	SLM50 (50 CFM)	Single Speed	3 inches	40 CFM	30 CFM	30 CFM	30 CFM
	SLM70 (70 CFM)	Single Speed	3 inches	50 CFM	40 CFM	30 CFM	30 CFM
	SLM70H (70 CFM)	Fan with Humidity Sensor	3 inches	50 CFM	40 CFM	30 CFM	30 CFM
	SLM70D (70 CFM)	Dual Speed	3 inches	50 CFM	40 CFM	30 CFM	30 CFM
	SLM50-110-C (50-110 CFM)	High Speed Options Fan	4 inches Oval	110 CFM	100 CFM	100 CFM	90 CFM
	SLM50-110LED-C (50-110 CFM)	Fan/Dimmable LED Light	4 inches Oval	110 CFM	100 CFM	100 CFM	90 CFM
	SLM80-110H-C (80-110 CFM)	Fan with Humidity Sensor	4 inches Oval	110 CFM	100 CFM	100 CFM	90 CFM
	SLM80-110D-C (80-110 CFM)	Dual Speed	4 inches Oval	110 CFM	100 CFM	100 CFM	90 CFM
	SLM80-110DLED-C (80-110 CFM)	Fan/Dimmable LED Light w/ Dual Speed	4 inches Oval	110 CFM	100 CFM	100 CFM	90 CFM
Integrity	ITG50 (50 CFM)	Single Speed	4 inches	50 CFM	40 CFM	40 CFM	40 CFM
	ITG50LED (50 CFM)	Fan/ Dimmable LED Light	4 inches	50 CFM	40 CFM	40 CFM	40 CFM
	ITG70BT (70 CFM)	Fan with Bluetooth®	4 inches	60 CFM	60 CFM	50 CFM	50 CFM
	ITG80 (80 CFM)	Single Speed	4 inches	70 CFM	70 CFM	60 CFM	60 CFM
	ITG80H (80 CFM)	Fan with Humidity Sensor	4 inches	70 CFM	70 CFM	60 CFM	60 CFM
	ITG80LED (80 CFM)	Fan/ Dimmable LED Light	4 inches	70 CFM	70 CFM	60 CFM	60 CFM
	ITG80RLED-ADJ (80 CFM)	Fan/Dimmable LED Light, Round, Adjustable Color Temperature	4 inches	70 CFM	70 CFM	60 CFM	60 CFM
	ITG100 (100 CFM)	Single Speed	4 inches	80 CFM	80 CFM	70 CFM	70 CFM
	ITG100ELED (100 CFM)	Fan/Edge-lit Dimmable LED Light	4 inches	80 CFM	80 CFM	70 CFM	70 CFM
	ITG100RLED (100 CFM)	Fan/LED Edge-Lit Dimmable, Flat Round Panel	4 inches	80 CFM	80 CFM	70 CFM	70 CFM
Radiance	RAD80 (80 CFM)	Fan with Heater	4 inches	70 CFM	60 CFM	60 CFM	50 CFM
	RAD80L (80 CFM)	Fan/Light Combo with heater	4 inches	70 CFM	60 CFM	60 CFM	50 CFM
	RAD80-DGL (80 CFM)	Fan with Heater	4 inches	70 CFM	60 CFM	60 CFM	50 CFM
	RAD80ELED (80 CFM)	Fan/Edge-lit Dimmable LED Light w/ Heater	4 inches	70 CFM	60 CFM	60 CFM	50 CFM
	RAD80LED (80 CFM)	Fan/Dimmable LED Light with Heater	4 inches	70 CFM	60 CFM	60 CFM	50 CFM
	RAD110LED (110 CFM)	Fan/Dimmable LED Light with Heater	4 inches	90 CFM	80 CFM	70 CFM	70 CFM
Professional	Pro300 (300 CFM)	Single Speed	6 inches	270 CFM	220 CFM	230 CFM	210 CFM
Fresh	FRS200 (200 CFM)	High Speed Inline Fan	6 inches	200 CFM	200 CFM	200 CFM	190 CFM



## The Right Fan for Any Ventilation Need

This quick guideline chart will help you match the correct bath fan size for your room size and type. HVI recommends the following intermittent ventilation rates for bathrooms:

Bathroom Size	Calculation Formula	Ventilation Rate Required
Less than 100 sq ft More than 100 sq ft	1 CFM per sq ft of floor area Add the CFM requirement for each fixture	A minimum of 50 CFM Toilet 50 CFM Shower 50 CFM Bathtub 50 CFM Jetted Tub 100 CFM

Reference: <https://www.hvi.org/resources/publications/bathroom-ventilation/>

## Frequently Asked Questions (FAQs)

### Who is the Delta Group?

The Delta Group is the world's largest manufacturer of brushless DC motor fans and a leading provider of switching power supplies – a \$9 billion global company with 39 manufacturing facilities, 70 R&D labs and 169 sales offices worldwide and U.S. headquarters in Fremont, CA. Our company mission is “To provide innovative, clean and energy-efficient solutions for a better tomorrow” supported by a product portfolio that features a range of energy efficiency solutions including ventilation fans, small wind energy systems, solar panels, LED lighting, EV chargers, Industrial Automation products and Display Solution products. Delta's operations are ISO-9001, ISO-14001, ISO-14064, OHSAS-18001 and TS-16949 certified. Delta brushless DC motor fans are used in applications where precision is paramount. This includes consumer electronics products such as laptops, desktops, tablets and gaming systems from leading manufacturers.

Please visit our global website [www.deltaww.com](http://www.deltaww.com) for a more comprehensive look at Delta operations, products and capabilities.

### Why is a brushless DC motor better than an AC motor? Does it require any special installation or wiring?

Delta's brushless DC motor exhaust fans are engineered to run 70% longer and consume 74% less power than AC motor exhaust fans, which reduces replacement costs and saves on utility bills. No mechanical brushing means quieter operation and less wear on motor components. Delta Breez fans have been tested to run continuously for a minimum of 70,000 hours.

No special wiring is needed. There is a transformer built into the fan that automatically switches the power supply from AC to DC.

Delta's DC Breez ventilation fans are installed just like any AC motor fans.

### What is the “Soft Start” Function?

In the first 10 seconds the fan is powered on, the motor will softly and quickly ramp up to full speed. This is unlike an AC Motor, which simply jump-starts the fan. This quiet ‘soft start’ process helps reduce the wear on motor bearings to prolong fan life.

### What is the “Lock Protection” Function?

This unique function allows all Delta Breez ventilation fans to automatically power off when the impeller is abnormally locked. For example: when buildup of dirt and dust accumulates in the fan, the fan will attempt to restart itself in 5-10 seconds. If the impeller is still blocked, the fan will remain off -- this helps avoid the issue of over-heating or motor burnout, reducing the risk of fire.

### What is the purpose of the LED indicator light underneath the fan grille?

The light shows the user that the fan is in operation. If the fan has different functions available (i.e. humidity sensing, low speed, motion sensing), the light will change color indicating what mode the fan is in. The light will blink if the impeller gets obstructed, telling the user that the fan is not operating properly.

### What are CFM and sones?

CFM and sones are how bath fans are generally compared. CFM (cubic feet per minute) measures the amount or volume of ‘air flow’ – the amount of air extracted per minute when the fan is running. The amount of CFM needed is generally related to the size of the area ventilated. Please see the sizing guidelines.

Sone level represents how loud the fan is to the human ear. Doubling the sone value means double the noise. The average 80 CFM bath fan runs at 0.8~2.5 sones. Delta Breez 80 CFM fans run as low as <0.3 sones. At less than 0.3 sones, the fan is virtually silent. This is the lowest noise rating of any exhaust fan on the market. For reference, 1.0 sone is about as loud as a new computer or refrigerator. For more information, visit

<https://www.hvi.org/resources/videos/>

### How do I determine which bath fan I need – features and size?

#### Bathroom Ventilation

The following are Home Ventilating Institute (HVI) guidelines for ventilating both large and smaller bathrooms using intermittent or continuous ventilation.

#### Small rooms:

For bathrooms up to 100 square feet in area, HVI recommends that an exhaust fan provide 1 CFM per square foot (approximately eight air changes per hour) to properly ventilate the bathroom.



**Example:**

- Bathroom is 8' x 5' (with 8' ceilings)  
Multiply  $8 \times 5 = 40$  sq. ft.
- Bathroom area is 40 sq. ft.
- At 1 CFM per square foot the minimum recommendation is a fan rated at 40 CFM

**Larger rooms:**

For bathrooms above 100 square feet in area, HVI recommends a ventilation rate based on the number and type of fixtures present, according to the following table:

Toilet	50 CFM
Shower	50 CFM
Bath Tub	50 CFM
Jetted Tub	100 CFM

*Note: Enclosed toilet rooms must have an operable window or a fan for ventilation*

**Example:**

The bathroom is 20' x 12'. There is a tub (without jets), a shower enclosure and an enclosed toilet.

Each fixture requires 50 CFM:

Tub	50 CFM
Shower	50 CFM
Toilet	50 CFM
Total	150 CFM

Data source: <https://www.hvi.org/resources/publications/bathroom-ventilation/>  
Or you can visit <https://www.hvi.org/resources/videos/>

**How does the “Humidity Sensor” function operate?**

The fan runs at full speed until the user-adjustable humidity set-point is achieved, then automatically switches to the user set low speed for continuous run or off. The amber or blue color of the LED indicator light underneath the grille shows the humidity sensing mode or continuous low speed mode. Please consult the Installation & Operating Instruction manual for your particular fan model for more specific information.

**How does the “Motion Sensor” function operate?**

When motion is detected, the fan comes on at full speed. When the user leaves the room, the fan will continue running at full speed until user-preset delay time has passed. Then, the fan will automatically drop down to the pre-set low speed for continuous run or off. The green or amber color of LED indicator

light underneath the grille indicates continuous low speed or full speed mode. Please consult the Installation and Operating Instruction manual for your particular fan model for more specific information.

**Can I keep the housing of my old fan (non Delta fan) and just replace the fan motor with Breez?**

No. For proper performance, it is recommended that Delta Breez fan motors be used only with Delta Breez fan housing.

**Can I use a timer with the Delta Breez fan?**

Many Delta Breez models have built-in adjustable delay timers, so no external timer is needed. External timers can be used in conjunction with single-speed models only. Because Breez fans run on much lower wattage than other market ventilation fans, please contact Delta Breez customer service for a list of single-speed models and consult with a licensed electrician for compatibility.

**Do you sell switches or timers?**

No. Delta does not manufacture switches or timers, but these components are readily available in most major home improvement retailers or through your local contractor or supplier.

**Can the Delta Breez Fan/Light be installed with insulation around it?**

Yes, all Delta Breez fans are UL approved. Here is UL's testing protocol:

For Fan/lights, UL requires 8.5 inches of insulation on all sides (including top) of the product. Insulation shall be of the loose fill type and should have a thermal resistance per inch between 3.75-3.85 R (declared by the manufacturer) when conditioned to a density of 32.04 - 40.05 kg/m<sup>3</sup>. This scenario is equivalent to an approximate R value of R32. R40 is the max for Canadian installations.

For a fan only, there is no insulation limitation for fan without lighting except in Canada where the max value is R40.

**Can Delta fans be controlled by a voltage switch (RPM control)?**

No.

### **Is LED light replaceable or are replacements available?**

Delta Electronics designs our own LED modules. This is a customized LED module that cannot be replaced with an off-the-shelf, screw-in LED bulb from another manufacturer. The LED modules are designed to last a minimum of 30,000 hours, so the necessity for future replacement is unlikely. Delta Electronics has a 3-year limited warranty on every Delta designed LED module. If the LED module needs replacement outside of the warranty period, a replacement LED module can be purchased through our distributor partners or from Delta Customer Sales Support.

### **What are the built-in control functions and how do they work?**

#### **Motion Sensing**

Green and amber LED indicator lights will show continuous low speed and full speed modes. The fan will run continuously at a user-preset lower level of CFM. When motion is detected, the fan will automatically change to full speed. When the user leaves the room, the fan will remain running at full speed until user-preset delay time has passed. The delay timer has adjustable preset positions of 0, 0.5, 5, 15, 30, 45 and 60 minutes. The fan will automatically drop down to a low speed after the pre-set time has elapsed.

#### **Humidity Sensing**

Blue and amber LED indicator lights show humidity control and full speed modes. The fan will operate in full speed mode or humidity control mode through the manual on and off switch. The adjustable humidity set points are from 50% to 90%. When in humidity control mode and the humidity is above the user-adjustable set-point, the fan will run at full speed. When the humidity is below the set-point, the fan runs continuously at a user-preset lower level of CFM.

### **Can Delta fans be installed in a slanted ceiling?**

No, installation of any Delta fan in a slanted ceiling is not recommended.

### **Is it OK to exhaust into the attic?**

No, the American Society of Heating, Refrigerating and Air-Conditioning Engineers (ASHRAE) recommends exhausting only to the exterior of the home.

### **Can Delta fans be installed in a side wall?**

Yes, all Delta BreezSlim models, BreezGreenBuilder fan

only/fan with humidity sensor models, and BreezIntegrity fan only/fan with humidity sensor models are UL listed for both ceiling and wall-mount installation.

### **Can I install the Exhaust Fan / Light in the shower or tub enclosure?**

Yes, with Delta Breez Ventilation Fans, except BreezRadiance due to the heating element, are UL listed for use over the bathtub or shower when installed in a GFCI protected branch circuit.

### **How long do LEDs last?**

LEDs have a rated life of up to 30,000 hours. Used for 12 hours a day, a 30,000 bulb will last more than 6 years. Used 8 hours a day, it will last more than 10 years!

### **What is the primary use for the FRS200?**

The FRS200 is a fresh air supply fan that delivers outdoor air into the home at a rate of 30 to 200 CFM. When combined with the optional MERV13 filter, The FRS200 delivers Fresh “purified” air as the filter removes outdoor pollutants such as pollen, dust and other particles as small as PM2.5.

### **Is the FRS200 a balanced ventilation system?**

No, but when combined with a Delta Breez exhaust fans, the FRS200 can create a “balanced ventilation system”. Setting the exhaust fan(s) to remove the same volume of air as the FRS200 delivers, balances the positive pressure created by the FRS200 with the negative pressure created by the exhaust fan(s). A balanced ventilation system is thought to be the best ventilation system for home by most building scientists.

### **Can MERV13 filter and FRS200 purify the air in my home?**

Yes. When combined with the optional MERV13 filter, the FRS200 can remove indoor pollutants from air drawn in from one location in your home and deliver fresh filtered air back to a different location in the home.

### **How often will I need to change the FRS200 filter?**

Filter change frequency will depend on the amount of pollutants in the air being filtered. Areas with higher dust and in spring when pollen levels are higher, the filter will need to be changed more often. We recommend a minimum of 2 filter change

each year and as many as is necessary to maintain the flow rate the FRS200 is set to.

**Are Delta Breez fans ENERGY STAR qualified?**

Yes, Delta Breez fans are ENERGY STAR qualified. The only exception is BreezRadiance series with heater element for warmth and comfort.

**Are Delta Breez fans ASHRAE 62.2-2010 compliant?**

Yes, all Delta Breez fans are 62.2-2010 compliant for intermittent running. Most of the Delta Breez fan models are compliant for continuous running. Please see [www.deltabreez.com](http://www.deltabreez.com), Learning Center for a complete listing.

**Are Delta Breez fans UL listed and HVI certified?**

Yes, all Delta Breez fans are UL listed and are HVI certified.

**Do Delta Breez fans meet Title 24 requirements?**

Yes, all Delta Breez fans meet current Title 24 requirements.

**What is the Delta Breez Ventilation Fan Warranty?**

All Delta Breez Ventilation Fans have a 3-year limited warranty.

**How do I reach technical support and customer service?**

Technical support: (888) 979-9889

Email: [BreezTechSupport@deltaww.com](mailto:BreezTechSupport@deltaww.com)

Customer sales support: (877) 685-4384

Email: [BreezSalesSupport@deltaww.com](mailto:BreezSalesSupport@deltaww.com)

Fax: (510) 226-5098



# STAY FRESH & DRY

QUIETLY EFFICIENT IN EVERY WAY



In 2022, Delta Breez ushered in a new era for the water damage restoration and janitorial/sanitation industries by launching the **AMR1200**, the first centrifugal air mover to use a DC motor. This technology allows our air movers to be more energy-efficient, quieter, and lighter than ever before. Our patented dual intake air flow technology along with digital control offers our customers better performance and convenience while saving electric usage and expense.

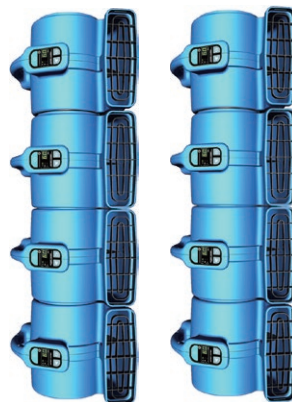
**Efficient air flow solution.** 1200 CFMs of air delivery while only using 97 W and 1.4 Amps to cool or dry any space up to 32 ft. Quiet operation at 55 dB-A and lightweight at 12.4 lbs.

## *Ultra Quiet Energy-Efficient Brushless DC Motor Technology*

- Built-in Power Outlet for Daisy Chainable



- Stacked 4 Units for Storage



- Simple Operation





# AMR1200

## Features:

- High efficiency brushless DC motor, offers energy savings of up to 70% compared with similar products with AC motors.
- Delivers 1,200 CFM of airflow while using only 97 W and 1.4 Amps.
- Super low noise operation of 55 dB-A at high speed, up to 12 dB-A lower than similar models.
- Digital control panel with LED display controls 3 speeds, timer function, and continuous time counter, up to 99 hours.
- Patented dual blade design creates an airflow stream up to 32 ft.
- Low 1.4 Amp draw allows for up to 8 units to be daisy-chained with 2 receptacles (15 A circuit breaker).
- Stackable up to 4 units high for easy storage.
- Lightweight 12.4 lb design, arc-shaped handle, and balanced center of gravity allows for easy carrying.
- 3-angle drying positions (0°, 45°, 90°) can be used.

## Applications

- Drying floors and carpet, ceilings and walls paint, indoor air circulation, bathroom, garage cooling, basements, work space, exhibition hall, supermarket, and theater.

## Specifications

### AMR1200 (VCBAMR1200)

Net Weight (Lb.)	12.4		
Nominal Voltage (VAC / Hz)	120/60		
Input Power (Watts)	30	56	97
Current (Amp.)	0.5	0.9	1.4
Speed (RPM)	642	804	966
Air flow (CFM)	800	1000	1200
Noise (dB-A)	45	51	55

\* Noise is measured in semi-anechoic chamber in free air, with three microphones at back and two side in 3.28 feet for average.

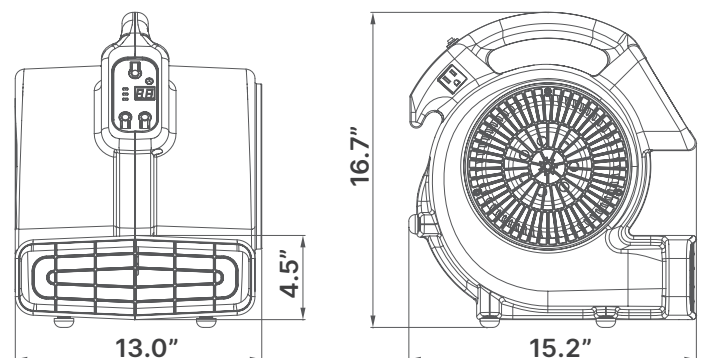
\* The test result of the airflow in free air is central value with tolerance range of  $\pm 10\%$ .

\* All readings are typical values at rated voltage.

\* Specifications are subject to change without notice.



## Dimension



Unit: Inch

## Three Angle Drying Positions



1. Dry the carpet and the floor
2. Dry the painted walls, indoor air circulation
3. Dry the ceiling paint, indoor air circulation



# ENJOY THE breez

COMFORT LIVING. ENERGY SAVING.



## Air Quality Solutions Products: Power saving. Quietness. New life.

Delta offers ceiling fans that meet the highest efficiency standards, recognized as ENERGY STAR® Most Efficient, with smooth start-up, quiet operation, low vibration, and uniform multi-speed airflow for a great user experience. The excellent power electronic control and airflow design make the ceiling fan runs smoothly and quietly. The simple and chic exterior design is eye-catching.

Breez RioVista (8-blade) or Pleasanton (5-blade) offer 72 inch or 60-inch ceiling fans with dimmable LED light and an easy pairing remote control. The ceiling fans are available in two color options, matt black or matt white.

### Features:

- Energy saving, full product line meets ENERGY STAR Most Efficient 2023
- Increased energy efficiency with powerful and quiet DC motor
- Energy efficient DC motor with 6 speeds and reverse function
- Includes Fan/Light Handheld Remote Control
- Easy remote pairing
- 20W dimmable LED light included

- Wet rated, for indoor/outdoor use
- Smooth start-up
- Threaded downrod 3/4" Dia x 6" L, tighter stability

### Applications

Fan is rated for dry, damp, and wet locations. These ceiling fans can be installed in many different spaces, such as the living room, dining room, bedrooms, and wet locations such as a patio or lanai. Light commercial application includes restaurants, offices, hotels, and resorts.



**RioVista** 72" or 60" 8-blade with dimmable LED light and remote control. Matt black or matt white finish.



**Pleasanton** 72" or 60" 5-blade with dimmable LED light and remote control. Matt black or matt white finish.

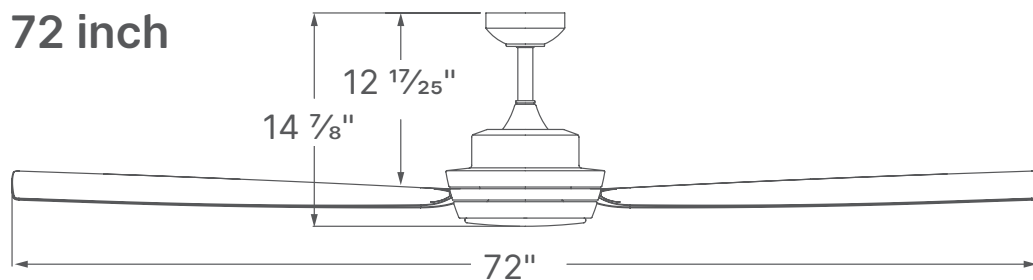


remote control  
included

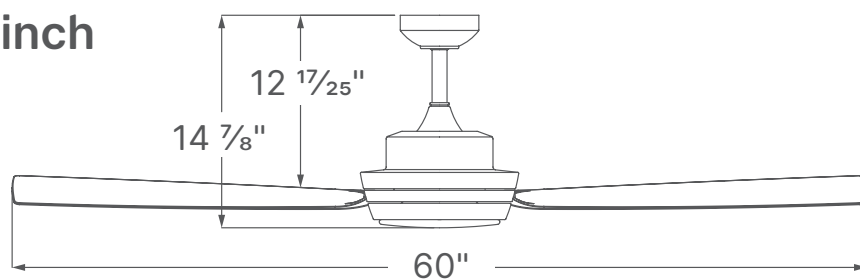


## Sizes and Dimensions

**72 inch**



**60 inch**





## Choose a ceiling fan size



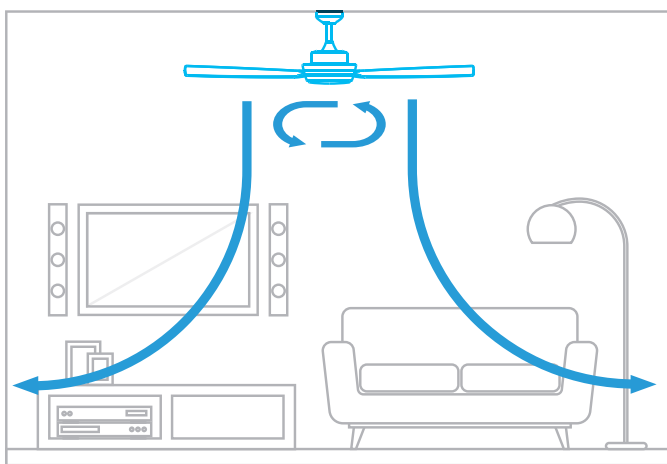
Fan Diameter over 60"-72"  
Recommended Room Size: **over** 18'x20'



Fan Diameter over 52"-60"  
Recommended Room Size: **up to** 18'x20'

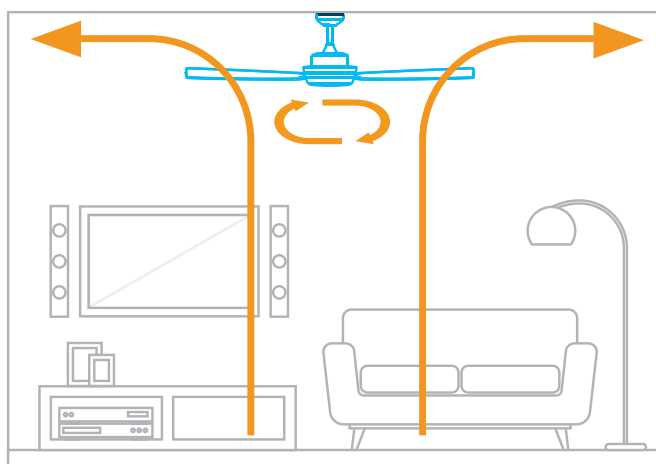
## Comfort and Energy Saving

### In Summer



- In summer, the fan should be set to blow downward
- If using air conditioning to cool the home, a ceiling fan will allow to raise the thermostat setting about 4°F with no reduction in comfort. (air conditioner savings 4~8%)
- During hot weather, ceiling fans may allow you to avoid using your air conditioner altogether

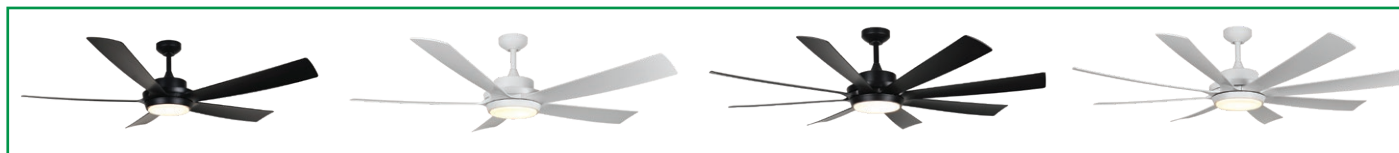
### In Winter



- In winter, the fan should be set to blow upward
- Using a ceiling fan in winter saves energy by allowing a lower thermostat setting
- Forward or reverse rotation can be selected according to the season



## Specifications



Ceiling Fans	60 inches 8-blade with LED light		60 inches 5-blade with LED light	
Model Name	VCA608LED-HEWH	VCA608LED-HEBK	VCA605LED-HEWH	VCA605LED-HEBK
Finish	Matt White	Matt Black	Matt White	Matt Black
Blade Span	60"		60"	
Number of Blade	8		5	
Airflow (CFM)	6100		6400	
Power Consumption (W)	17		20	
Efficiency (CFM/W)	383		334	
Control Type	Remote Control		Remote Control	
Fan Speed	6		6	
Reverse Capable	Yes		Yes	
Light Type	20W Integrated LED (1500 lm)		20W Integrated LED (1500 lm)	
Dimmable	Yes		Yes	
Indoor/Outdoor Usage	Indoor / Outdoor		Indoor / Outdoor	

Ceiling Fans	72 inches 8-blade with LED light		72 inches 5-blade with LED light	
Model Name	VCA728LED-HEWH	VCA728LED-HEBK	VCA725LED-HEWH	VCA725LED-HEBK
Finish	Matt White	Matt Black	Matt White	Matt Black
Blade Span	72"		72"	
Number of Blade	8		5	
Airflow (CFM)	7200		7900	
Power Consumption (W)	25		25	
Efficiency (CFM/W)	409		339	
Control Type	Remote Control		Remote Control	
Fan Speed	6		6	
Reverse Capable	Yes		Yes	
Light Type	20W Integrated LED (1500 lm)		20W Integrated LED (1500 lm)	
Dimmable	Yes		Yes	
Indoor/Outdoor Usage	Indoor / Outdoor		Indoor / Outdoor	



remote control  
included



Dealer Address:



Learn more about Delta Breez Ventilation Fans, the best indoor air quality solution for green construction.

**[www.deltabreez.com](http://www.deltabreez.com)**

**Delta Electronics (Americas) Ltd.**

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Customer sales support: (877) 685-4384  
[BreezSalesSupport@deltaww.com](mailto:BreezSalesSupport@deltaww.com)

Fax: (510) 226-5098

