



DELTA BREEZ IAQ SOLUTIONS

Perfectly Quiet. Perfectly Green.



STAY FRESH / QUIETLY EFFICIENT IN EVERY WAY





Performance and Exceptional Value

Delta Breez Indoor Air Quality solutions has been honored with the **2024 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.

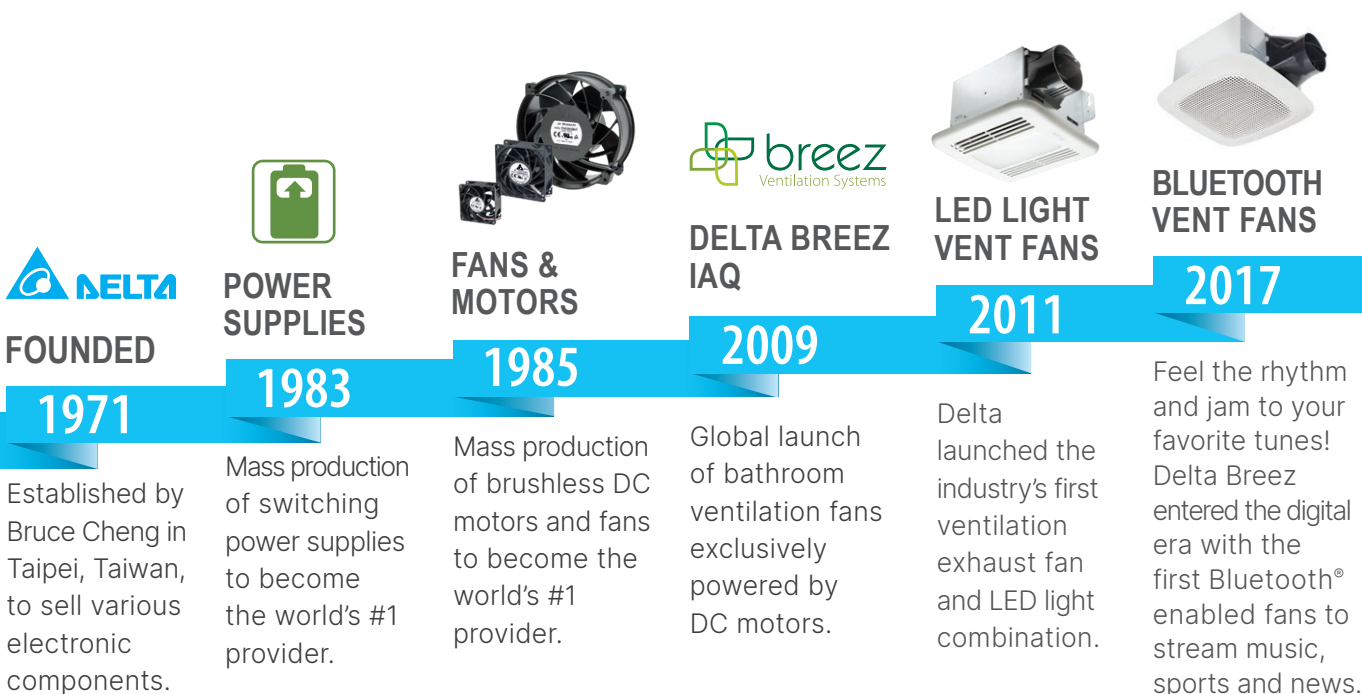
VENTILATION RE-IMAGINED

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 \$12 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.

Innovation for future generations starts today. Our commitment and vision run deep – with a focus on developing the best and most energy-efficient solutions. As part of this evolution, we are proud to introduce new products, including air movers and ceiling fans for better air circulation, as well as fresh air supply fans and energy recovery ventilators for comprehensive whole-house ventilation. 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.



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.



SUPPLY FAN

2023

Delta BreezFresh FRS200 is a DC fresh air supply fan. High air flow and low noise fresh air supply fan with temperature and humidity sensor allows you to select your required airflow [30-200 CFM].



ENERGY RECOVERY VENTILATOR ERV

2024

Breathe easy with Delta BreezFresh ERVs' lightweight design, the revolutionary energy recovery systems that deliver the freshest, cleanest air to your home.



**ENERGY STAR®
PARTNER - 7TH
SUSTAINED
EXCELLENCE**

2024

Delta has won Partner of the Year for nine consecutive years and was also honored with the "Sustained Excellence" designation since 2018.

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 certified 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 certified products, some of which exceed the ENERGY STAR efficiency requirement by over 337%. All models were recognized as ENERGY STAR certification.

For more information, visit www.energystar.gov

ENERGY STAR Most Efficient 2025



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

Delta Breez currently has 95 ENERGY STAR® certified bathroom fans, with some models even exceeding the criteria by 337 percent. In fact, 26 fans from the Delta BreezSignature and BreezElite lines meet the toughest efficiency criteria set by the EPA – ENERGY STAR® Most Efficient 2025.



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



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



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 (ft²) | 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.



FRESHNESS IN THE AIR

CONTINUOUS AIRFLOW BY
PRESSURIZED DESIGN

Delta Breez Fresh Air Supply Fan



Delta Fresh Air Supply Fan FRS200 series

For: Bathroom & Bedroom / Dining Room & Living Room / Office



(FRS200HT)

- High efficient DC brushless motor and 13 supply rates 30-40-50-60-70-80-90-110-130-150-170-180-200 CFM.



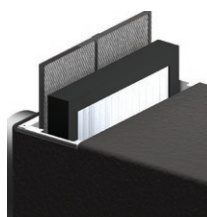
(FRS200HT)

- Adjustable relative humidity level and temperature setting.
- Run time rating function
- Digital display



(FRS200HT)

- The motorized damper ensures proper airflow and prevents unwanted air infiltration.



(FRS200HT)

- Two stage filtration. Pre-filter and MERV13
- Two filtration maintenance alerts (FID) for filter cleaning and replacement.



Specifications

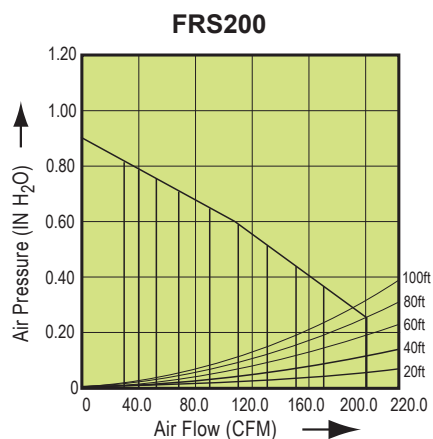
FRS200 supply fan

FRS200 (VDBFRS200)

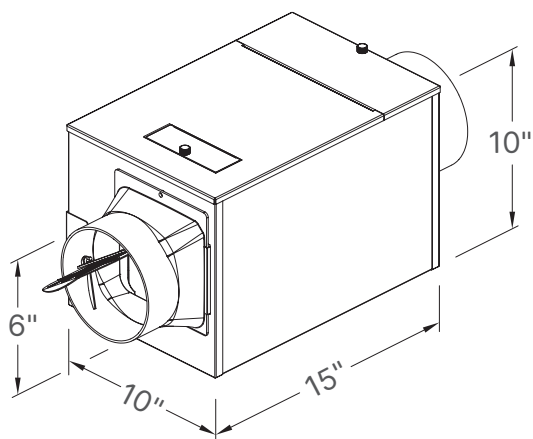
| | | | | | | | | | | |
|-----------------------------|------|------|------|------|------|------|------|------|-----|-----|
| Static Pressure (inch w.g.) | 0.2 | | | | | | | | | |
| Air Flow (CFM) | 200 | 170 | 150 | 130 | 110 | 90 | 70 | 50 | 40 | 30 |
| Power Consumption (Watts) | 42.0 | 29.3 | 22.7 | 19.1 | 14.1 | 11.4 | 8.5 | 7.2 | 6.1 | 5.2 |
| 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 |

Performance with pre-filter & MERV 13 filter installed

P&Q Curve



Dimension

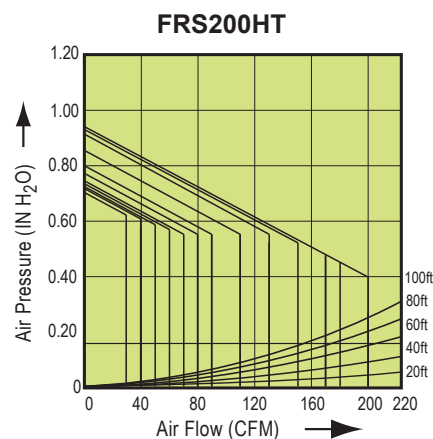


FRS200HT (Supply fan with Humidity and Temperature Control)

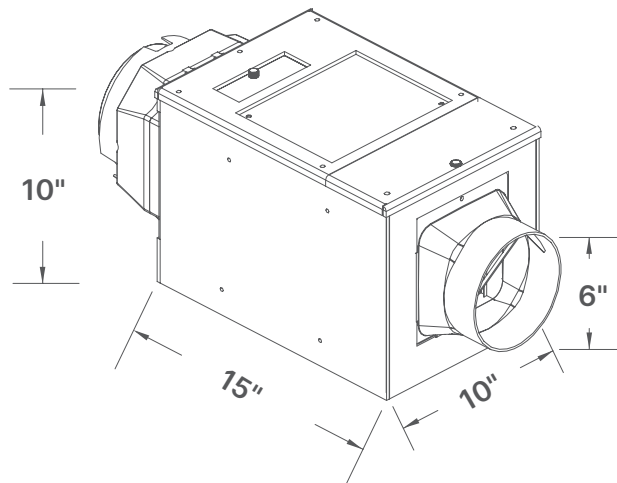
FRS200HT (VDBFRS200HT)

| | | | | | | | | | | |
|-----------------------------|------|------|------|------|------|------|------|------|------|------|
| Static Pressure (inch w.g.) | 0.2 | | | | | | | | | |
| Air Flow (CFM) | 200 | 170 | 150 | 130 | 110 | 90 | 70 | 50 | 40 | 30 |
| Power Consumption (Watts) | 42.6 | 31.6 | 24.5 | 19.9 | 17.2 | 14.1 | 12 | 10.3 | 9.1 | 8.6 |
| Static Pressure (inch w.g.) | 0.4 | | | | | | | | | |
| Air Flow (CFM) | N/A | 170 | 150 | 130 | 110 | 90 | 70 | 50 | 40 | 30 |
| Power Consumption (Watts) | N/A | 41.1 | 34.5 | 30.2 | 25.7 | 21.3 | 17.3 | 14.7 | 13.6 | 12.3 |

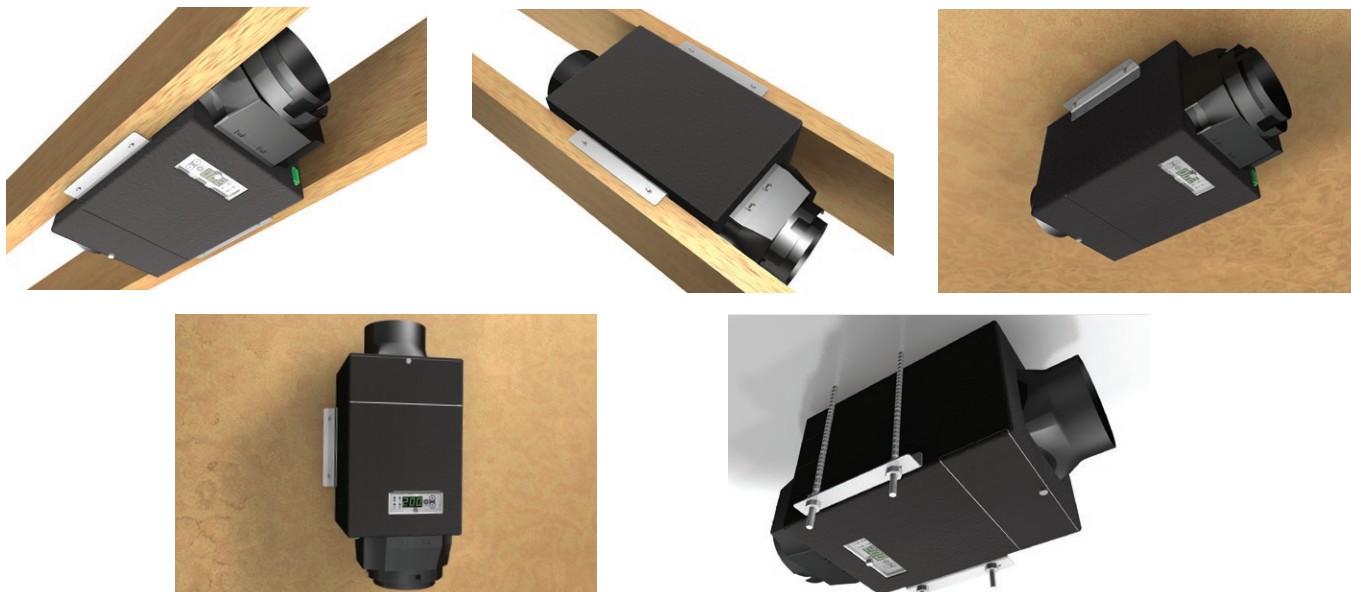
Performance with pre-filter & MERV 13 filter installed



Unit:Inch

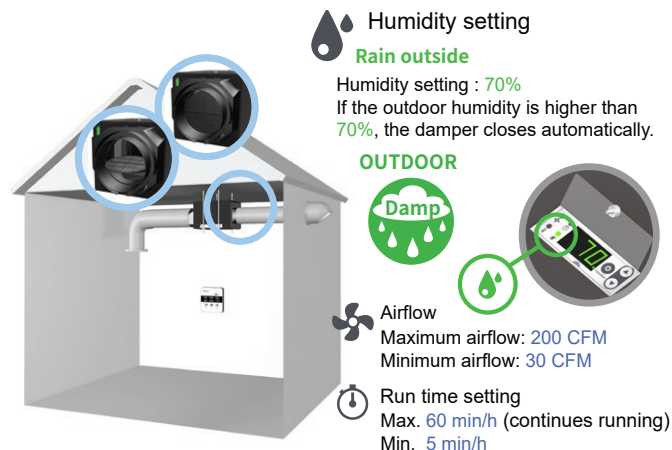
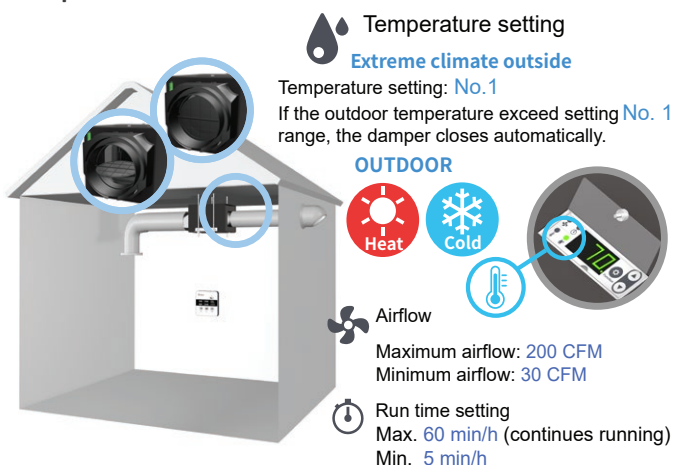


Five installation possibilities: ceiling hung, under ceiling, wall mounted, truss mounted, flush to ceiling



Application - model FRS200HT

Temperature and RH limits control



Interlock with HVAC System



Balance system - The FRS200 series and bathroom fan





Delta

Breez Fresh series

Energy Recovery Ventilator

 **DC MOTOR
TECHNOLOGY**



Delta Energy Recovery Ventilator

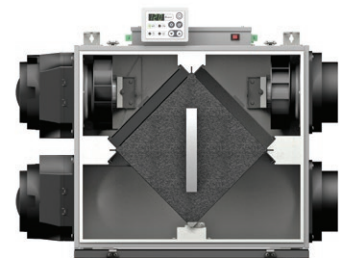
VEB120S / VEB165S

For: Single Family / Multi Family / Townhouse / Apartment

Delta Electronics the world's largest manufacturer of DC motors introduces Delta Breez ERVs, the perfect IAQ and energy recovery solution for your home. Delta Breez ERVs use the same strong DC motors as used in Delta Breez bathroom exhaust fans. Delta Breez ERVs with MERV13 filter deliver the cleanest fresh air in the industry. Competitors with weaker motors, rate their ERVs airflow with less efficient MERV8 and even as low as MERV6 filters that allow higher pollutant level into your home. Delta Breez is truly the freshest air energy recovery systems on the market today!



Designed with the installer in mind, the ERV's built-in controller allows for quick programming to meet every home's ventilation requirements. At less than 36 lbs(120 CFM model) 46lbs (165CFM model), and multiple install orientations, the ERVs make mounting an easy one-person job. Balancing is also quick, with pressure testing ports and individual motor speed adjustments, the ventilation level can be programmed to every home's need in any climate. The built-in FID lets home owners know when it is time to clean or change the MERV13 filter or call a technician, so maintenance is easy too.





Side-ports ERV series

Delta Energy Recovery Ventilator

VEB120S

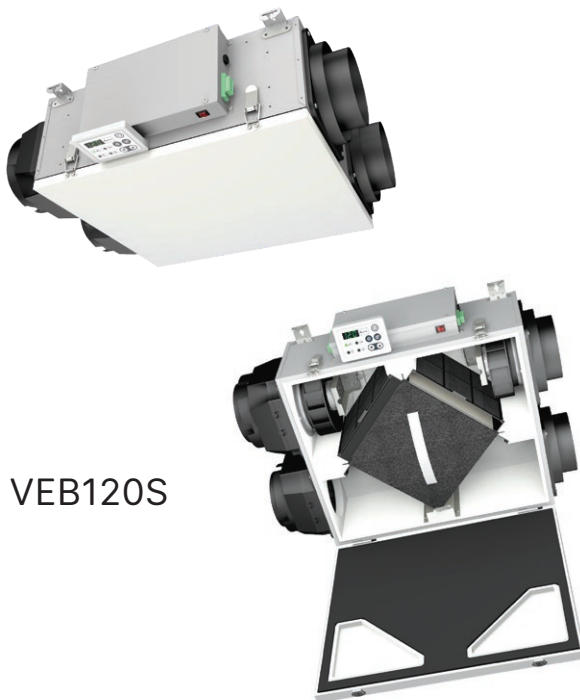


Can be ceiling
or wall mounted

VEB165S



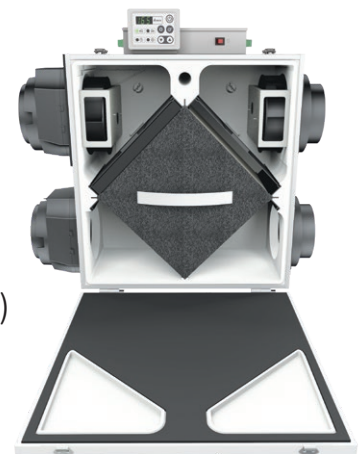
Light weight
for easy intalation



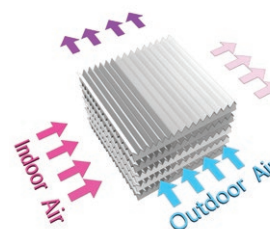
VEB120S



VEB165S
(comming soon)

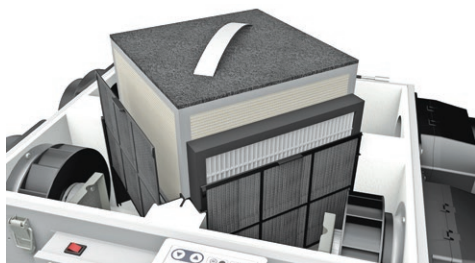


- On-board controls meet ASHRAE 62.2 code requirements.
- Air flow tested from 30 to 165CFM are reliable up to 0.4 static pressure.
- Boost mode triggers the ERV to maximum CFM, to handle occasional higher needs.

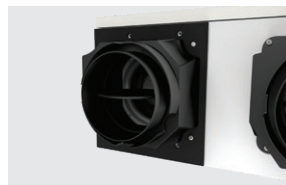


- On-board controls meet ASHRAE 62.2 code requirements.
- FID (Fault Indicator Display) make filter clean/change and maintenance a BREEZE
- Mirror technology ERV model





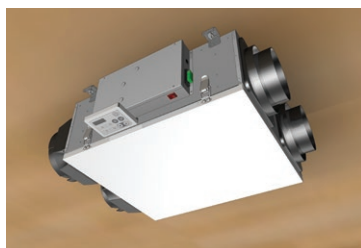
- Two Delta-DC motors Airflow balancing adjustments, allow positive, negative, or balanced airflow to meet the needs of any home in any climate.



- Delta 1" MERV13 has the same surface area as many 2" filters and meets CEC regulation, Equation 150.0-A pressure drop requirement, eliminating the need for additional equipment and 2" filters.
- Energy core recovery efficiencies of up to 80% Adjustable relative humidity level and temperature setting

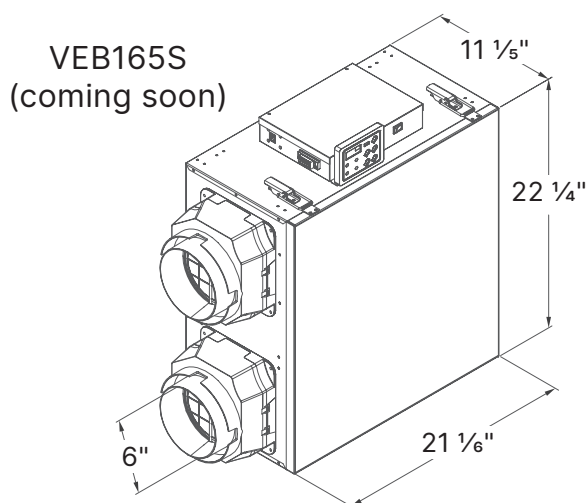
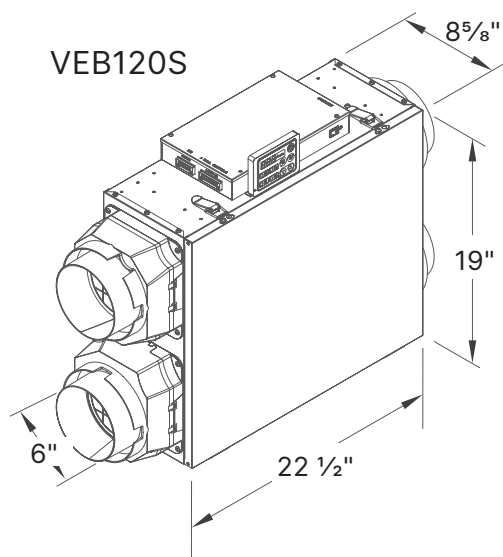
- Delta Breez Balance ERV motors are so strong, the airflow ratings are tested with a MERV13 filter, vs the competitions weaker motors tested with MERV6 or MERV8 filters.

Three installation possibilities: wall mount, under ceiling mount, or chain mount

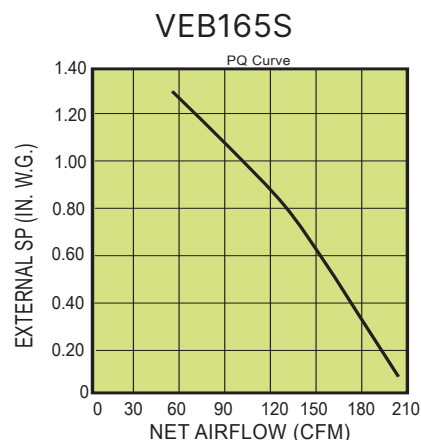
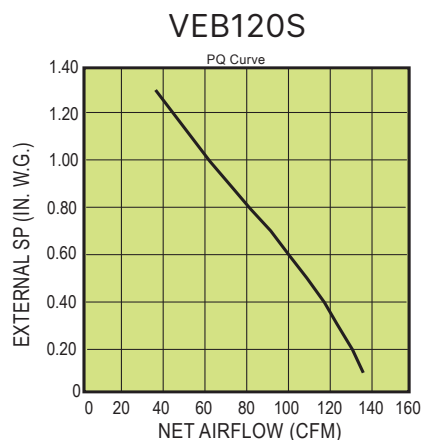


Dimension

Unit: Inch



P&Q Curve



Specifications

Airflow Performance

VEB120S

| | | | | | |
|------------------------------|----------|-----------|-----------|-----------|-----------|
| inch w.g. (Pa) | 0.2 (50) | 0.4 (100) | 0.6 (150) | 0.8 (200) | 1.0 (250) |
| Net supply airflow CFM (L/s) | 131 (62) | 119 (56) | 102 (48) | 83 (39) | 64 (30) |

VEB165S (coming soon)

| | | | | | | |
|------------------------------|----------|-----------|-----------|-----------|-----------|-----------|
| inch w.g. (Pa) | 0.2 (50) | 0.4 (100) | 0.6 (150) | 0.8 (200) | 1.0 (250) | 1.2 (300) |
| Net supply airflow CFM (L/s) | 184 (87) | 165 (78) | 184 (87) | 125 (59) | 97 (46) | 68 (32) |

Energy Performance

VEB120S

| | | | | | |
|--------------|------------------------------------|---------------|------------------|-----|------|
| Heating mode | Sensible Recovery Efficiency (SRE) | 32°F (0°C) | 36 CFM (17 L/s) | 77% | 22 W |
| Heating mode | Sensible Recovery Efficiency (SRE) | 32°F (0°C) | 64 CFM (30 L/s) | 75% | 37 W |
| Heating mode | Sensible Recovery Efficiency (SRE) | 32°F (0°C) | 106 CFM (50 L/s) | 70% | 75 W |
| Heating mode | Sensible Recovery Efficiency (SRE) | -13°F (-25°C) | 36 CFM (17 L/s) | 57% | 22 W |
| Cooling mode | Total Recovery Efficiency (TRE) | 95°F (35°C) | 36 CFM (17 L/s) | 75% | 22 W |
| Cooling mode | Total Recovery Efficiency (TRE) | 95°F (35°C) | 64 CFM (30 L/s) | 62% | 42 W |

VEB165S

| | | | | | |
|--------------|------------------------------------|---------------|------------------|-----|------|
| Heating mode | Sensible Recovery Efficiency (SRE) | 32°F (0°C) | 36 CFM (17 L/s) | 90% | 18 W |
| Heating mode | Sensible Recovery Efficiency (SRE) | 32°F (0°C) | 64 CFM (30 L/s) | 84% | 27 W |
| Heating mode | Sensible Recovery Efficiency (SRE) | 32°F (0°C) | 127 CFM (60 L/s) | 75% | 65 W |
| Heating mode | Sensible Recovery Efficiency (SRE) | -13°F (-25°C) | 61 CFM (29 L/s) | 61% | 27 W |
| Cooling mode | Total Recovery Efficiency (TRE) | 95°F (35°C) | 36 CFM (17 L/s) | 81% | 19 W |
| Cooling mode | Total Recovery Efficiency (TRE) | 95°F (35°C) | 64 CFM (30 L/s) | 73% | 30 W |



• All readings are typical values at rated voltage.

• Specifications are subject to change without notice.



ENJOY THE breez

COMFORT LIVING. ENERGY SAVING.



Part number: VCA625LED-HEWH / VCA625LED-HEBK
VCA628LED-HEWH / VCA628LED-HEBK
VCA725LED-HEWH / VCA725LED-HEBK
VCA728LED-HEWH / VCA728LED-HEBK

Delta Breez Air Quality Solutions: Unmatched Comfort, Ultimate Efficiency

Delta offers ceiling fans that meet the highest efficiency standards, ENERGY STAR Most Efficient. With smooth start-up, quiet operation, low vibration, and uniform multi-speed airflow, they deliver optimal comfort. Engineered for premium performance, these modern ceiling fans combine uniform air circulation with minimalist design, all while reducing energy costs.

Features:

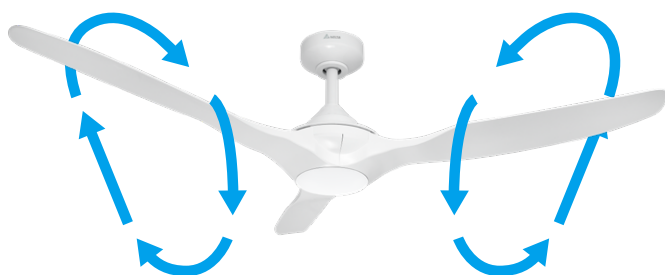
- Energy saving, full product line meets ENERGY STAR and ENERGY STAR Most Efficient 2025
- Increased energy efficiency with powerful and quiet DC motor
- Energy efficient DC motor with 6 speeds and reverse function
- Includes Fan/Light Handheld Remote Control
- Easy remote pairing
- 20W dimmable 3000K 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. Wet location rating is ideal for indoor or outdoor spaces exposed to moisture and humidity, such as living areas, bedrooms, patios, pergolas, restaurants, hotels and more.

Year-round comfort and energy savings

Six-speed adjustable modes with forward and reverse functions, enhancing indoor airflow in various temperature conditions.



In summer, the fan should be set to blow downward

- If using air conditioning to cool the home, a ceiling fan will allow a higher thermostat setting of 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

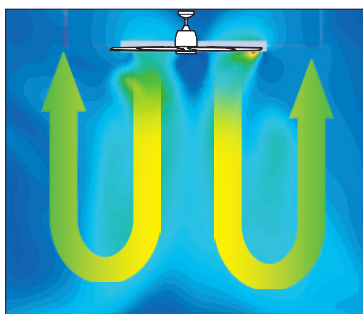


In winter, the fan should be set to blow upward

- Using a ceiling fan in winter saves energy by allowing a lower thermostat setting, with no reduction in comfort
- Forward or reverse rotation can be selected according to the season

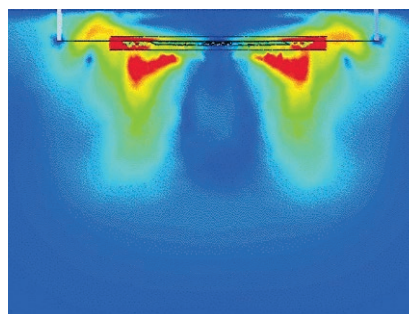
Delta DC ceiling fans effectively boost indoor air circulation when used in conjunction with air conditioning and heating systems. This helps achieve optimal indoor comfort quickly and reduces the frequency of the air conditioner's compressor cycling, resulting in energy savings.

High
Mid
Low
wind
velocity

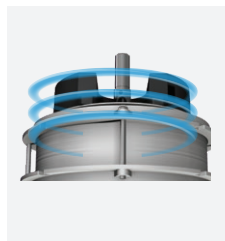


Delta Breez Ceiling fan
Quickly, quietly, and
evenly distributes air,
ensuring consistent,
comfortable
temperatures and
optimal efficiency.

*Simulation space: 4.5 × 4.5 × 3.5 m



Competitor Ceiling Fans
Interior motors are
unable to uniformly
circulate air
causing insufficient
performance



Improving Indoor Air Circulation

Delta DC ceiling fans target ENERGY STAR Most Efficient for more energy savings, and consumes 60% less energy compared to AC motor products.



Super Energy Saving

Bring a sense of calm and tranquility to your home with its whisper-quiet DC motor, a perfect balance of performance and functionality.



Quiet Operation

Easy-to-use RF remote control handheld device: it operates in all directions, allowing you to control the ceiling fan from up to 11 yards away in open spaces, and it can simultaneously control multiple Delta Breez Ceiling Fans.



Pleasanton 60" or 72" 5-blade with dimmable LED light and remote control. Matte black or matte white finish.

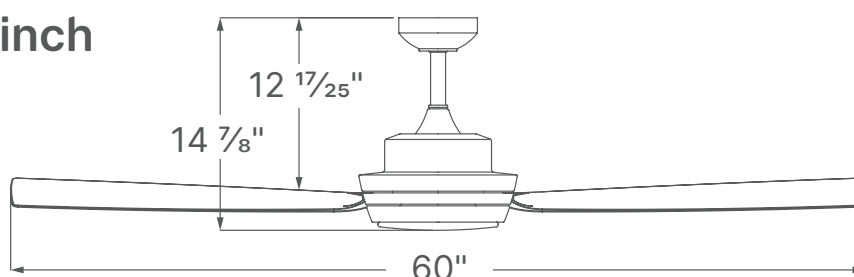


RioVista 60" or 72" 8-blade with dimmable LED light and remote control. Matte black or matte white finish.

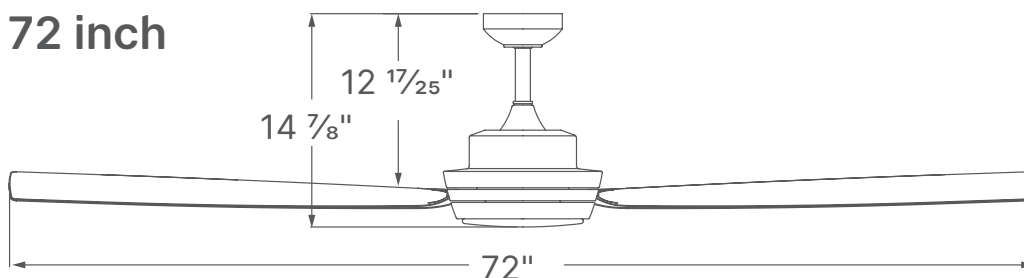


Sizes and Dimensions

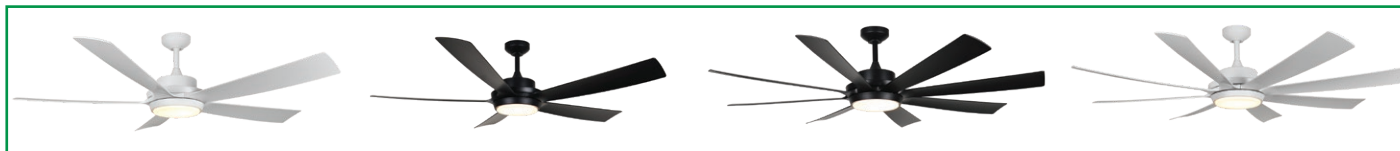
60 inch



72 inch



Specifications



| Ceiling Fans | 60 inches 5-blade with LED light | | 60 inches 8-blade with LED light | |
|-----------------------|----------------------------------|----------------|----------------------------------|----------------|
| Model Name | VCA605LED-HEWH | VCA605LED-HEBK | VCA608LED-HEWH | VCA608LED-HEBK |
| Finish | Matte White | Matte Black | Matte White | Matte Black |
| Blade Span | 60" | | 60" | |
| Number of Blade | 5 | | 8 | |
| Airflow (CFM) | 6400 | | 6100 | |
| Power Consumption (W) | 20 | | 17 | |
| Efficiency (CFM/W) | 334 | | 383 | |
| 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 | |
| Lumen output (lm) | 1500 | | 1500 | |
| Lumen per watt | 75 | | 20W Integrated LED (1500 lm) | |
| CRI | > 90 | | > 90 | |
| CCT (K) | 3000K | | 3000K | |

| Ceiling Fans | 72 inches 5-blade with LED light | | 72 inches 8-blade with LED light | |
|-----------------------|----------------------------------|----------------|----------------------------------|----------------|
| Model Name | VCA725LED-HEWH | VCA725LED-HEBK | VCA728LED-HEWH | VCA728LED-HEBK |
| Finish | Matte White | Matte Black | Matte White | Matte Black |
| Blade Span | 72" | | 72" | |
| Number of Blade | 5 | | 8 | |
| Airflow (CFM) | 7900 | | 7200 | |
| Power Consumption (W) | 25 | | 25 | |
| Efficiency (CFM/W) | 339 | | 409 | |
| 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 | |
| Lumen output (lm) | 1500 | | 1500 | |
| Lumen per watt | 75 | | 20W Integrated LED (1500 lm) | |
| CRI | > 90 | | > 90 | |
| CCT (K) | 3000K | | 3000K | |



remote control
included





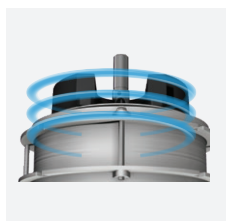
Comfort Living.
Energy Savings.



Part number:
VCA523LED-30-WH
VCA523LED-30-BK

Upgrade your space with the Delta Breez Benicia Ceiling Fan—where efficiency meets performance and comfort meets style.

Introducing the Delta Breez Benicia, 52-Inch Most Efficient ENERGY STAR® Certified Ceiling Fan—your ultimate choice for optimal comfort and efficiency. This modern ceiling fan combines powerful performance with sleek design, featuring a 6-speed, brushless DC motor that delivers airflow up to 4800 CFM. Engineered for premium performance, it ensures consistent air circulation while reducing energy costs. The fan includes an integrated dimmable LED light kit, offering 1000 lumens of bright 3000K light with excellent color rendering (90 CRI), perfect for any indoor or outdoor space. With a wet location rating and a user-friendly handheld remote control for easy adjustments, the Benicia is ideal for enhancing both style and comfort in living areas, bedrooms, patios, and more.



POWERFUL

6-speed, brushless DC motor starts up with no hesitation and provides up to 4800 CFM, while consuming only 13W of energy.



QUALITY

Advanced aerodynamic blades feature high-quality materials and quick install blades for convenient assembly.



ILLUMINATION

Integrated dimmable LED light kit provides 1000 lumens of bright 3000K light and 90 CRI. (Included, no replacement bulbs are needed).



LOCATION

Wet location rating is ideal for indoor or outdoor spaces exposed to moisture and humidity, such as living areas, bedrooms, patios, pergolas, restaurants, hotels and more.

Specifications:



52" Benicial Ceiling Fan
VCA523LED-30-WH (3000K LED)
Matte white

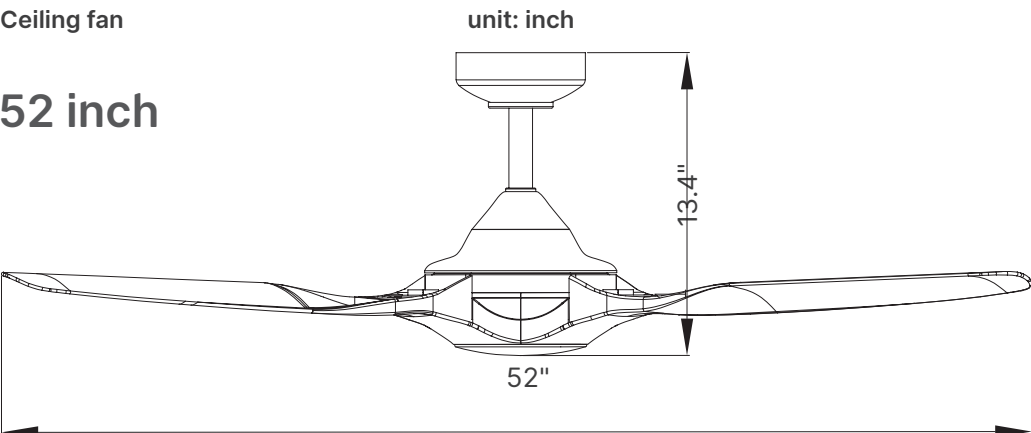


52" Benicia Ceiling Fan
VCA523LED-30-BK (3000K LED)
Matte black

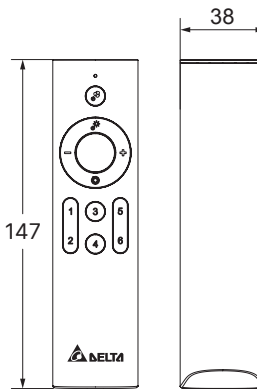
Product Dimension:

Ceiling fan

52 inch



Remote control
(battery included)



Product Specs:

| Ceiling Fans | 52 inches 3-blade with 3000K LED light | |
|---------------------------------|--|----------------|
| Model Name | VCA523LED-HEWH | VCA523LED-HEBK |
| Finish | Matte White | Matte Black |
| Color Temp (K) | 3000K | |
| Raw Lumens | 1400 | |
| Lumens Output | 1000 | |
| CRI | > 90 | |
| LED Light (Watts) | 13 | |
| Lumens per watt | 76.9 | |
| Weighted-average Air Flow (CFM) | 3,271 | |
| Weighted-average Energy Use (W) | 10 | |
| High Air Flow (CFM) | 4800 | |
| Power Consumption (W) | 13 | |
| Energy Efficiency (CFM/Watt) | 312 | |
| Current (Amps) | 0.25 Max | |
| Power Rating (V/Hz) | 120/60 | |
| Dimmable | Yes | |
| Indoor/Outdoor Usage | Indoor / Outdoor | |



remote control
included



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.

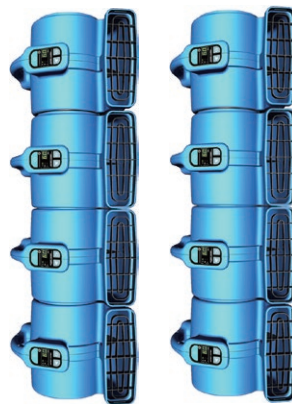
Efficient air flow solution. 1200 CFMs of air delivery while only using 97 W and 1.4 Amps to cool or dry any space up to 32 ft. Quiet operation at 55 dB-A and lightweight at 12.4 lbs.

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

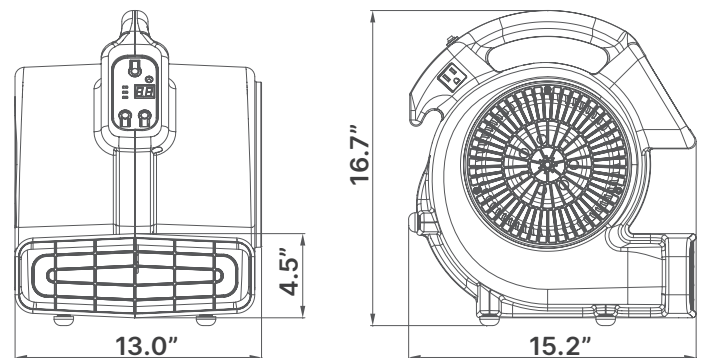
AMR1200 (VCBAMR1200)

| | | | |
|----------------------------|--------|------|------|
| 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

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.





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 50/80/110 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.



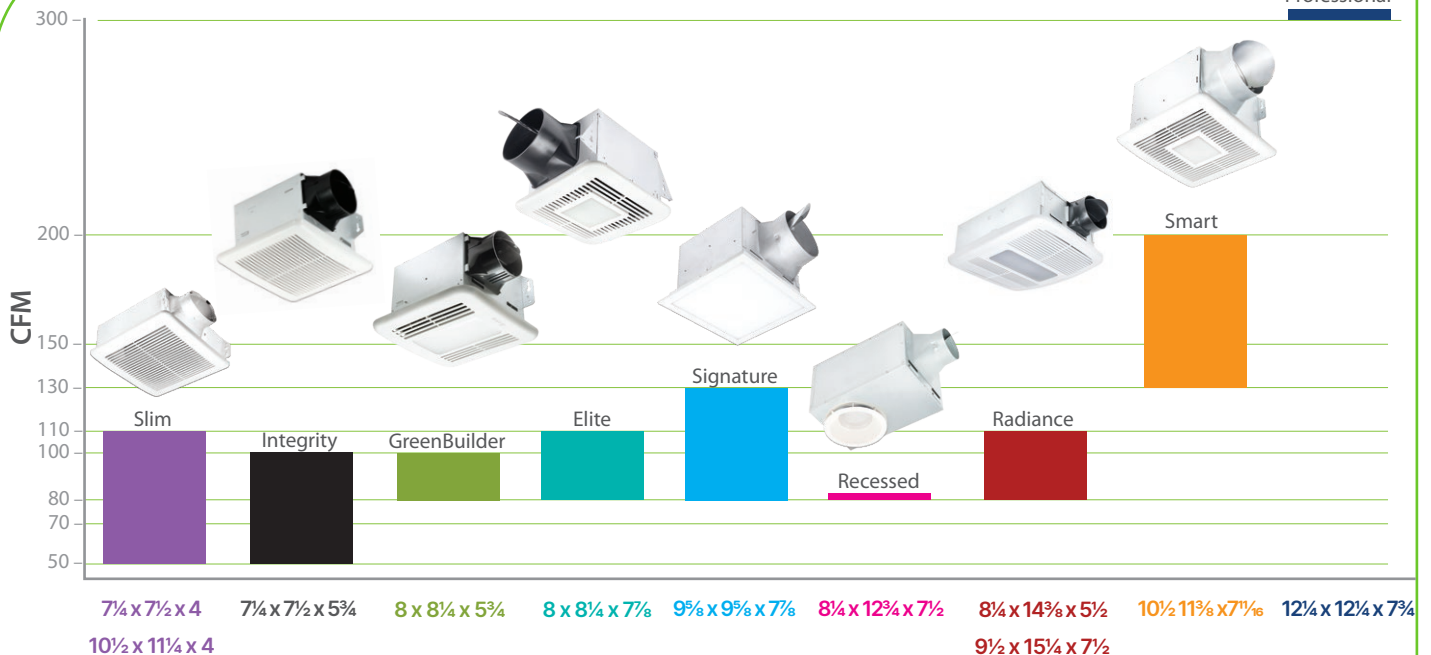
Large space solution. Single speed 300 CFM. Quiet operation at 2 sones. For spaces 300 sq. ft. Perfect for large bathrooms, laundry rooms, conference rooms. UL approved for ceiling mount only.



Professional



Smart



Ventilation 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%¹ with 6" metal duct
- <0.3 sones - lowest noise level among competing fans
- Exceed Energy Star efficiency standards by 450%²
- 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 v4.2 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)



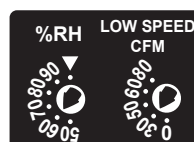
High Speed Switch



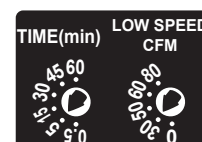
Adapter 4" duct

Built-in Controls:

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



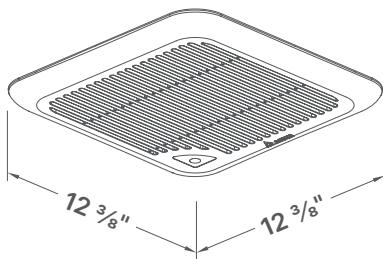
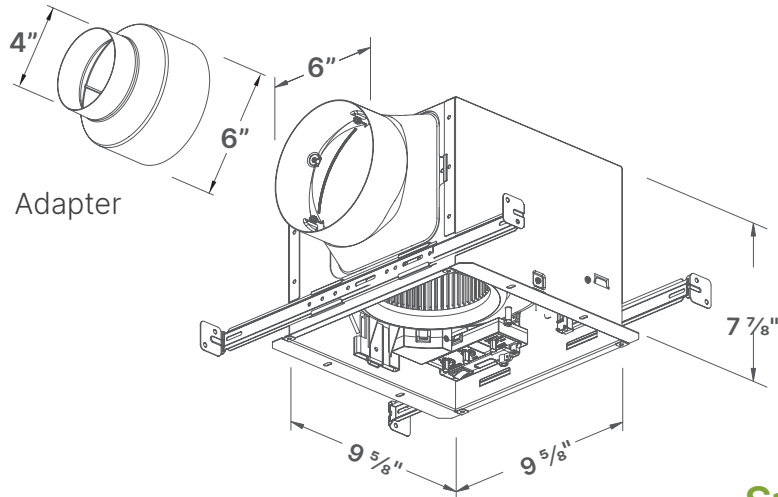
SIG80-110D
SIG80-110DLED
Controls



SIG80-110MHLED
Motion Controls

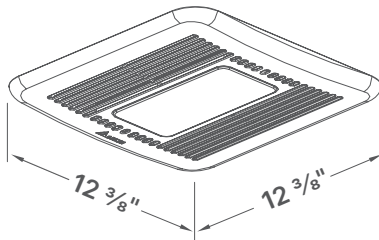


BreezSignature Series Dimensions



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



Low Speed



Full Speed



SIG80-110DLED

Low Speed

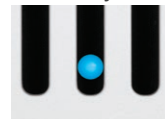


Full Speed



SIG80-110MHLED

Humidity Sensing



Full Speed



SIG80-110H

SIG80-110MH

SIG80-110HLED

| | 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) ¹ | \$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 | 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 | 5.9 | 13.5 | 8 | 13.3 | 8 | 15.4 | 9 | 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 | 12 | 7 | 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 | 13.8 | 8.4 | 12.7 | 8 |
| 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 | 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 | 5.9 | 13.5 | 8 | 13.3 | 8 | 15.4 | 9 | 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 | 12.0 | 7 | 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 | 13.8 | 8.4 | 12.7 | 8 |
| 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 |
| Efficiency (CFM/Watts) | 9.1 | 6 | 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 | 5.9 | 13.5 | 8 | 13.3 | 8 | 15.4 | 9 | 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 | 12.0 | 7 | 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 | 13.8 | 8.4 | 12.7 | 8 |
| 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



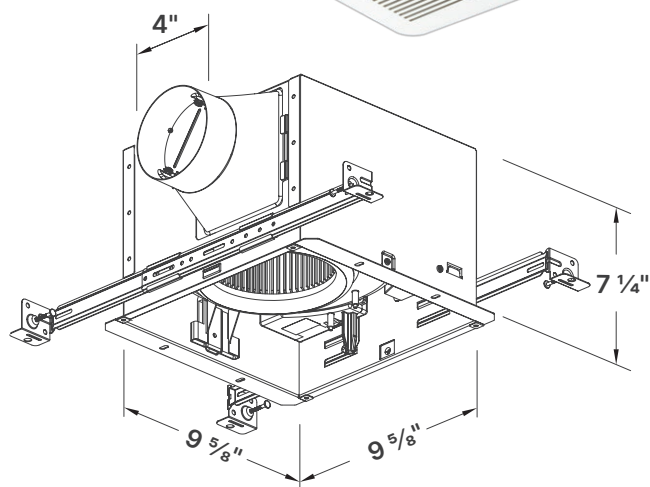
| | 4" Duct Standard | | | | | | | | | |
|---------------------------|----------------------|------|------|------|------|------------|------|------|------|------|
| Fan Speed | Continuous Low Speed | | | | | Full Speed | | | | |
| Static Pressure (in w.g.) | 0.1 | 0.25 | 0.1 | 0.25 | 0.1 | 0.25 | 0.1 | 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 |
| Efficiency (CFM/Watts) | 9.1 | 6 | 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 | | | | | | | | | |



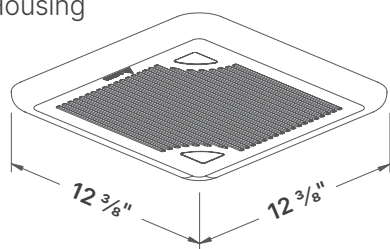
* Product is designated ENERGY STAR Most Efficient 2025 and ENERGY STAR certified



4 Inch Duct Series

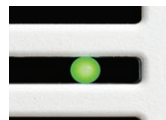


Fan Housing



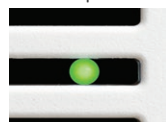
Fan Grille

LED Indicator Light:
SIG80 and SIG110



LED Indicator Light: SIG80D

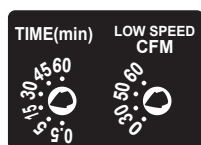
Continuous
Low Speed



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 |
| 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 |
| 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 |
| Efficiency (CFM/Watts) | 9 | 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) ¹ | \$9.15 | \$29.94 |

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

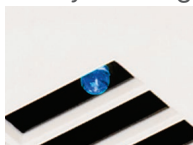


4 Inch Duct Series

The BreezSignature VFB25AEH -- 130 CFM with Humidity Sensor. In humidity control mode, the fan will automatically start when humidity is above the user-adjustable set-point. If humidity level is below the user-adjustable set-point, until a 10-minute time delay has elapsed the fan will stop automatically. Adjustable humidity set points between ~50% to ~80% RH.



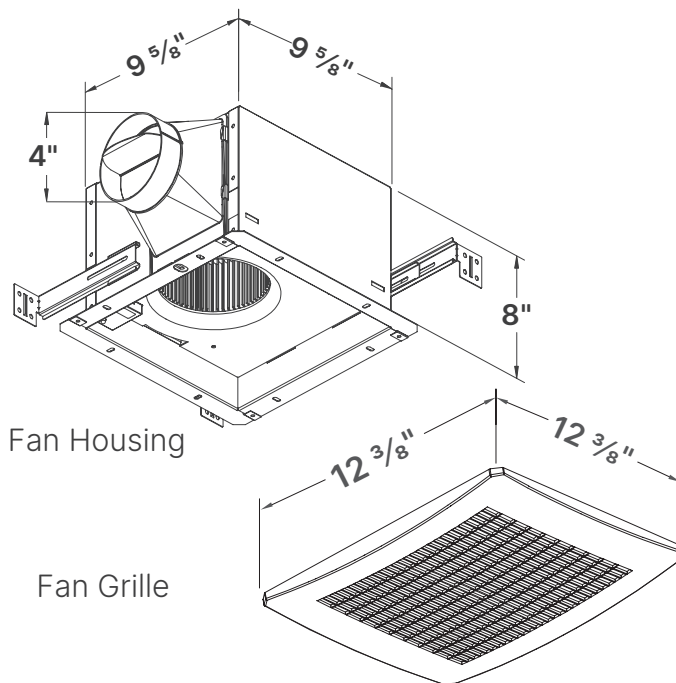
Humidity Sensing



Full Speed



LED light underneath grille indicates fan mode



Specifications

VFB25AEH - 130 CFM Humidity Sensor Exhaust Fan



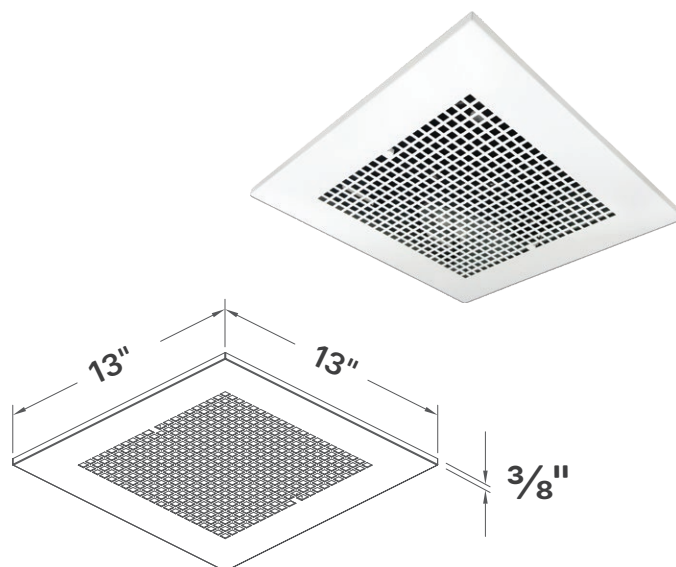
| Static Pressure (Inches w.g.) | 0.1 | 0.25 |
|-------------------------------|-----------------|------|
| Air Flow (CFM) | 130 | 105 |
| Sones | 2.0 | N/A |
| Power Consumption (Watts) | 22 | 22 |
| Energy Efficiency (CFM/Watts) | 6.7 | 5.9 |
| Current (Amps) | 0.22 @ 110Vac | |
| Power Rating (V/Hz)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

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



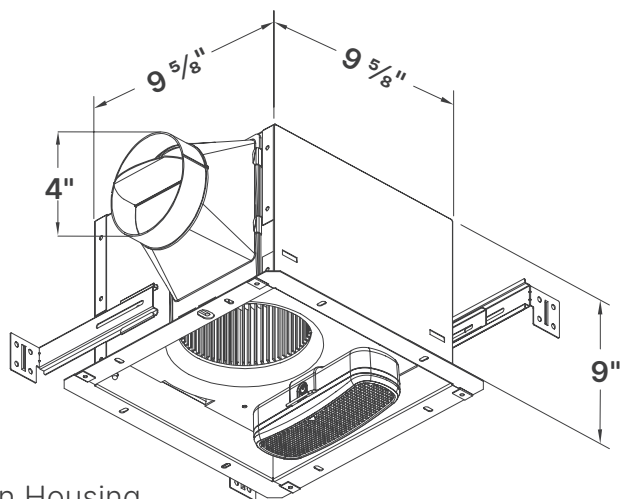


4 Inch Duct Series

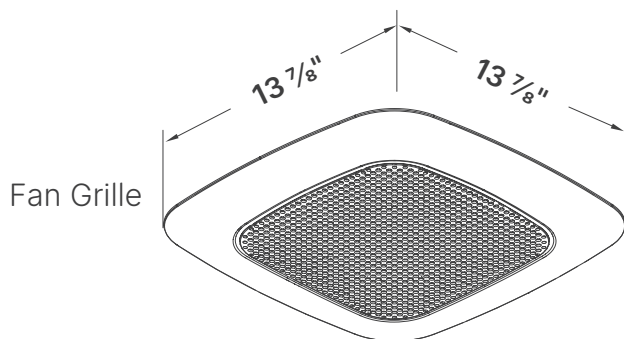
VFB25ADBT 110 CFM Fan with Bluetooth® stereo speaker enables you to enjoy your favorite music, or listen to news, weather, traffic or sports while the energy-efficient fan quietly ventilates your bathroom. Easily pairs with most Bluetooth wireless devices. Quiet operation at 1.0 sone, so you hear your 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 |
| 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) ² | \$14.94 | \$35.91 |

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

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

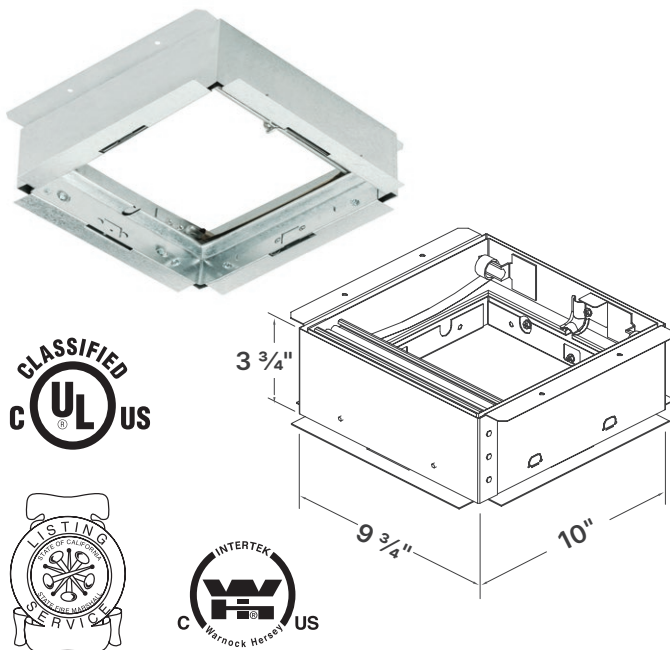


Ceiling Radiation Damper SIG-CRD

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:

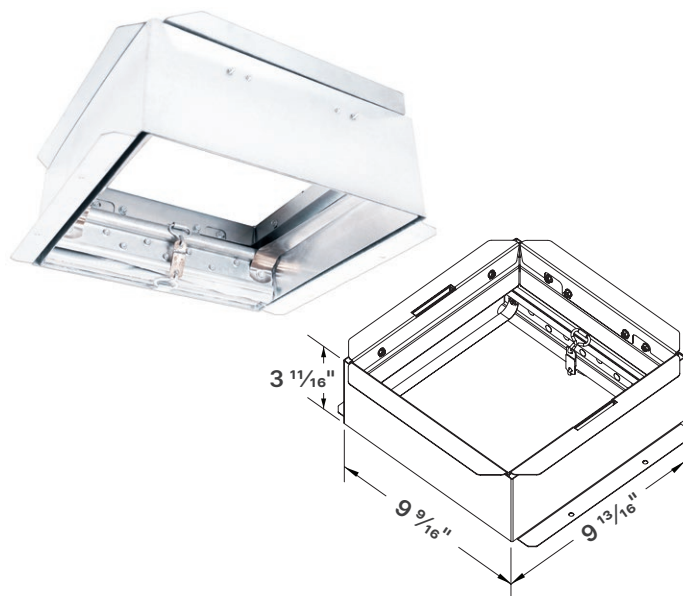
- UL listed as fan/damper assembly for the following Wood Frame Construction designs: L521, L546, L558, L562, L574, L576, L581, L583, L585, P522, P533, P538 and P545
- Meets both UL555C and UL263. UL and cUL listed and exceeds UL 555C for use in 3-hour fire rated assemblies
- Warnock-Hersey certified 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



Ceiling Radiation Damper SIG-CRD2

helps to limit the radiant heat transfer through an air inlet/outlet opening in the ceiling membrane. Fire resistance rated up to 3 hours floor/ceiling or roof/ceiling assemblies.

Intended for installation with the following UL Listed Delta Electronic Fan Models SIG80, SIG80D, SIG110, SIG110D, SIG80-110, SIG80-110D, SIG80-110H, SIG80-110MH, SIG80-110LED, SIG80-110DLED, SIG80-110HLED and SIG80-110MHLED

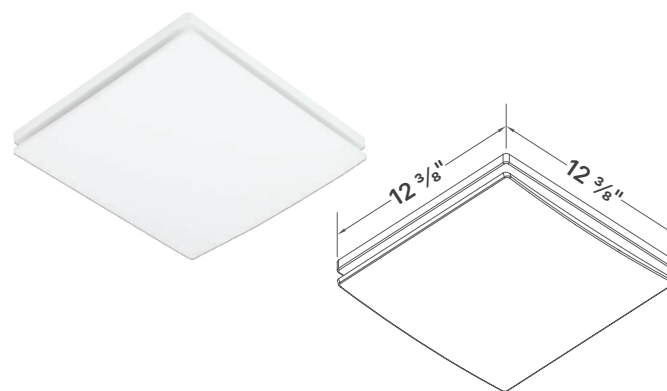


Designer Grille SIG-DGL

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%¹ 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 efficiency² 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



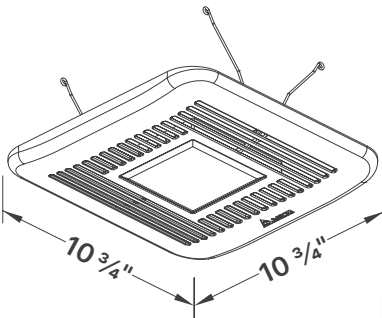
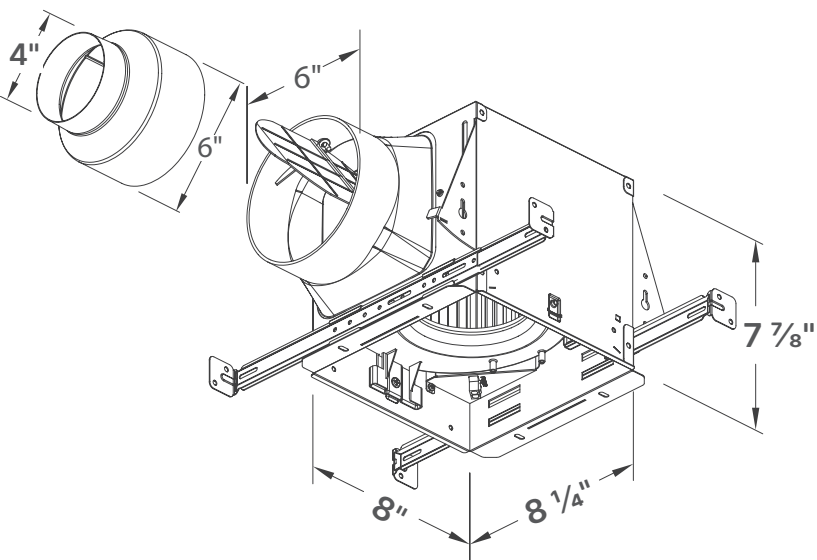
High Speed Switch

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

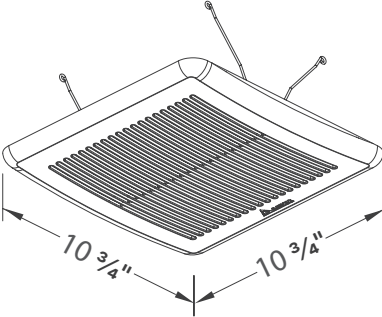
² Based upon ELT 110 CFM vs. ENERGY STAR v4.2 criteria for residential ventilating fans



6 Inch Duct Series



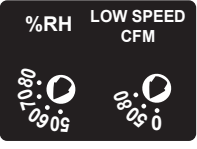
Fan/Dimmable LED Light Grille



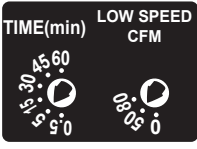
Fan Grille

Built-in Controls

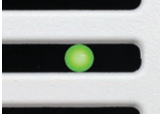
ELT80-110H, ELT80-110HLED
ELT80-110MH, ELT80-110MHLED



ELT80-110D
ELT80-110DLED

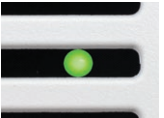


LED Indicator Light: ELT80-110, ELT80-110LED

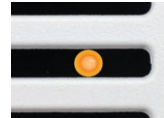


ELT80-110D, ELT80-110DLED

Low Speed

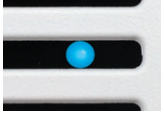


Full Speed

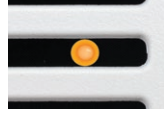


ELT80-110H, ELT80-110HLED, ELT80-110MH & ELT80-110MHLED

Humidity Sensing



Full Speed



Specifications

ELT80-110 - 80/110 CFM Fan



| | 6" Duct Standard | | | |
|-------------------------------|------------------|------|------|------|
| 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 | | | |

ELT80-110 - 80/110 CFM Fan



| | 4" Duct Standard | | | |
|-------------------------------|------------------|------|------|------|
| Static Pressure (Inches w.g.) | 0.1 | 0.25 | 0.1 | 0.25 |
| Air Flow (CFM) | 80 | 63 | 110 | 92 |
| Sones | 0.8 | 1.3 | 1.2 | 2.0 |
| Power Consumption (Watts) | 8 | 9.5 | 12.5 | 14 |
| Energy Efficiency (CFM/Watts) | 10 | 6.6 | 8.8 | 6.5 |
| Current (Amps) | 0.27 Max | | | |
| Power Rating (V/Hz) | 120 / 60 | | | |



Specifications (Cont.)

ELT80-110LED - 80/110 CFM Fan Fan/Dimmable LED Light



| | 6" Duct Standard | | | |
|-------------------------------|------------------|------|------|------|
| 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 | | | |

ELT80-110LED - 80/110 CFM Fan Fan/Dimmable LED Light



| | 4" Duct Standard | | | |
|-------------------------------|------------------|------|------|------|
| Static Pressure (Inches w.g.) | 0.1 | 0.25 | 0.1 | 0.25 |
| Air Flow (CFM) | 70 | 52 | 100 | 82 |
| Sones | 0.7 | 1.2 | 1.0 | 1.5 |
| Power Consumption (Watts) | 7.5 | 9 | 11.5 | 13 |
| Energy Efficiency (CFM/Watts) | 9.3 | 5.7 | 8.6 | 6.3 |
| Current (Amps) | 0.28 Max | | | |
| Power Rating (V/Hz) | 120 / 60 | | | |
| LED Light (Watts/Lumens) | 13 / 850 | | | |

ELT80-110D - 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 |
| 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 | | | | | | | |



ELT80-110D - 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 |
| Air Flow (CFM) | 50 | 32 | 80 | 63 | 80 | 63 | 110 | 92 |
| Sones | 0.5 | 1.0 | 0.8 | 1.3 | 0.8 | 1.3 | 1.2 | 2.0 |
| Power (Watts) | 5 | 6 | 8 | 9.5 | 8 | 9.5 | 12.5 | 14 |
| Efficiency (CFM/Watts) | 10 | 5.3 | 10 | 6.6 | 10 | 6.6 | 8.8 | 6.5 |
| Current (Amps) | 0.27 Max | | | | | | | |
| Power Rating (V/Hz) | 120 / 60 | | | | | | | |

ELT80-110DLED - 80/110 CFM Fan Dimmable LED light w/ 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 |
| 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 | | | | | | | |

ELT80-110DLED - 80/110 CFM Fan Dimmable LED light w/ 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 |
| Air Flow (CFM) | 50 | 34 | 70 | 52 | 70 | 52 | 100 | 82 |
| Sones | 0.5 | 1.0 | 0.7 | 1.2 | 0.7 | 1.2 | 1.0 | 1.5 |
| Power (Watts) | 5 | 6 | 7.5 | 9 | 7.5 | 9 | 11.5 | 13 |
| Efficiency (CFM/Watts) | 10 | 5.6 | 9.3 | 5.7 | 9.3 | 5.7 | 8.6 | 6.3 |
| 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



| | 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 |
| 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 | | | | | | | |

ELT80-110H - 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 |
| Air Flow (CFM) | 50 | 32 | 80 | 63 | 80 | 63 | 110 | 92 |
| Sones | 0.5 | 1.0 | 0.8 | 1.3 | 0.8 | 1.3 | 1.2 | 2.0 |
| Power (Watts) | 5 | 6 | 8 | 9.5 | 8 | 9.5 | 12.5 | 14 |
| Efficiency (CFM/Watts) | 10 | 5.3 | 10 | 6.6 | 10 | 6.6 | 8.8 | 6.5 |
| Current (Amps) | 0.27 Max. | | | | | | | |
| Power Rating (V/Hz) | 120 / 60 | | | | | | | |

ELT80-110HLED - 80/110 CFM
Fan/Dimmable LED 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 |
| 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 | | | | | | | |

ELT80-110HLED - 80/110 CFM
Fan/Dimmable LED 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 |
| Air Flow (CFM) | 50 | 34 | 70 | 52 | 70 | 52 | 100 | 82 |
| Sones | 0.5 | 1.0 | 0.7 | 1.2 | 0.7 | 1.2 | 1 | 1.5 |
| Power (Watts) | 5 | 6 | 7.5 | 9 | 7.5 | 9 | 11.5 | 13 |
| Efficiency (CFM/Watts) | 10 | 5.6 | 9.3 | 5.7 | 9.3 | 5.7 | 8.6 | 6.3 |
| Current (Amps) | 0.28 Max | | | | | | | |
| Power Rating (V/Hz) | 120 / 60 | | | | | | | |
| Light (Watts/Lumens) | 13 / 850 | | | | | | | |

ELT80-110MH - 80/110 CFM
Fan w/ 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 |
| 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



| | 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 |
| Air Flow (CFM) | 50 | 32 | 80 | 63 | 80 | 63 | 110 | 92 |
| Sones | 0.5 | 1.0 | 0.8 | 1.3 | 0.8 | 1.3 | 1.2 | 2.0 |
| Power (Watts) | 5 | 6 | 8 | 9.5 | 8 | 9.5 | 12.5 | 14 |
| Efficiency (CFM/Watts) | 10 | 5.3 | 10 | 6.6 | 10 | 6.6 | 8.8 | 6.5 |
| 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

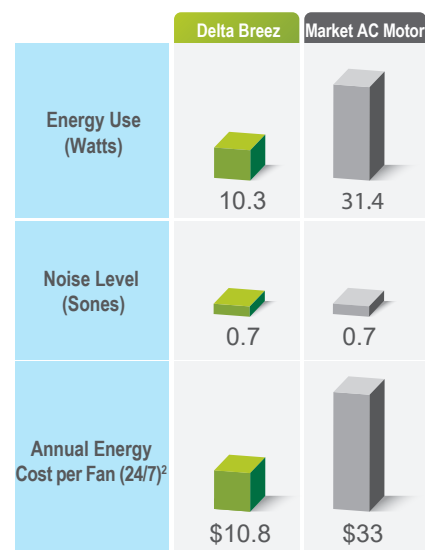


| | 6" Duct Standard | | | | | | | |
|---------------------------|----------------------|------|------|------|------------|------|------|------|
| Fan Speed | Continuous Low Speed | | | | Full Speed | | | |
| Static Pressure (in w.g.) | 0.1 | 0.25 | 0.1 | 0.25 | 0.1 | 0.25 | 0.1 | 0.25 |
| Air Flow (CFM) | 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 | | | | | | | |

ELT80-110MHLED - 80/110 CFM
Fan/Dimmable LED Light w/ 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 |
| Air Flow (CFM) | 50 | 34 | 70 | 52 | 70 | 52 | 100 | 82 |
| Sones | 0.5 | 1.0 | 0.7 | 1.2 | 0.7 | 1.2 | 1 | 1.5 |
| Power (Watts) | 5 | 6 | 7.5 | 9 | 7.5 | 9 | 11.5 | 13 |
| Efficiency (CFM/Watts) | 10 | 5.6 | 9.3 | 5.7 | 9.3 | 5.7 | 8.6 | 6.3 |
| Current (Amps) | 0.28 Max. | | | | | | | |
| Power Rating (V/Hz) | 120 / 60 | | | | | | | |
| Light (Watts/Lumens) | 13 / 850 | | | | | | | |



¹ 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%¹ and 4" oval duct (standard)
- Exceeds ENERGY STAR requirement by 88% in energy efficiency²
- Annual energy cost for 24/7 operation is approximately \$8.94 (80 CFM) or \$17.35 (110 CFM)³
- Noise level as low as 0.4 sones at 80 CFM, 1.2 sones at 110 CFM
- Power consumption down to 16.5 Watts⁴
- 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 v4.2 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

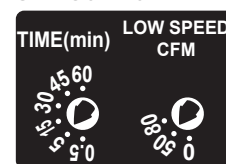
SLM80-110D-C,
SLM80-110DLED-C
SLM80-110H-C
series



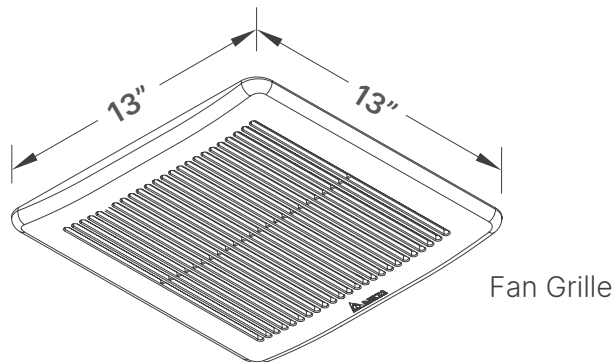
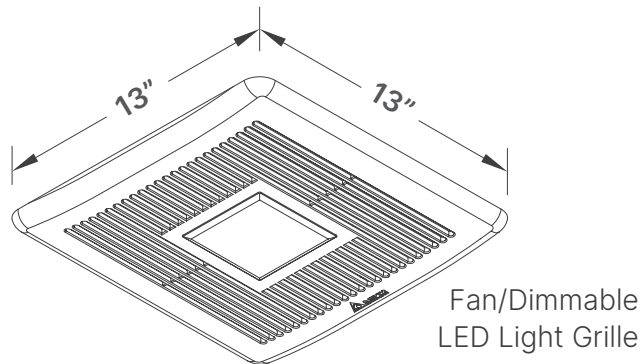
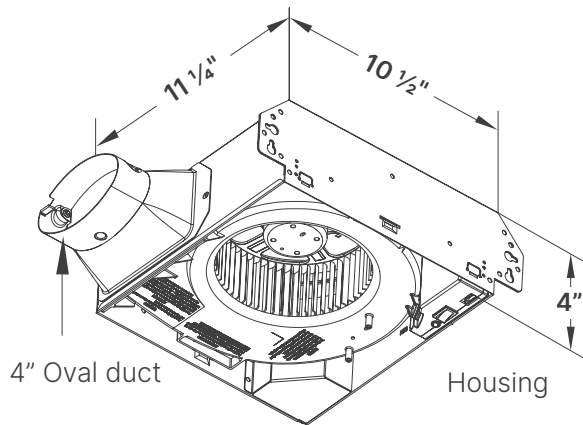
SLM50-110
series



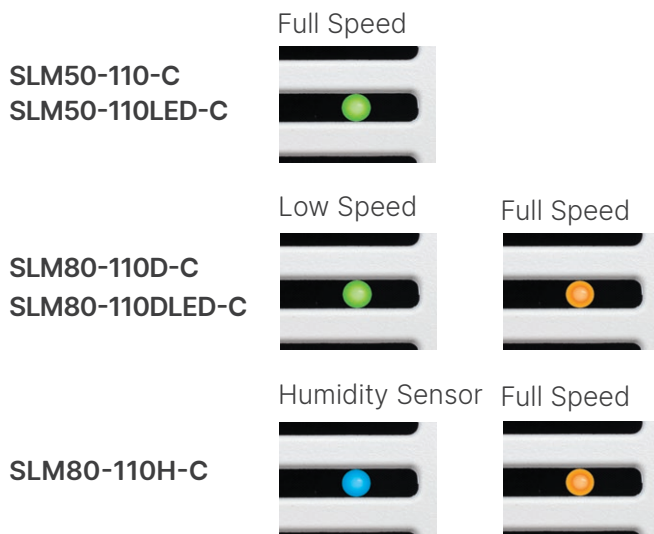
Built-in control
SLM80-110D-C
SLM80-110DLED-C



BreezSlim Series Dimensions



LED Indicator Light:



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 | 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 | | | | | |

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 | 14.5 | 9 | 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 | | | | | | | |





4 Inch Oval Duct - 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 | | | | | | | |

SLM80-110LED - 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 |
| Air Flow (CFM) | 80 | 80 | 110 | 106 |
| Sones | 0.4 | 1.1 | 1.3 | 1.5 |
| Power Consumption (Watts) | 9 | 14.5 | 16.5 | 24 |
| Energy Efficiency (CFM/Watts) | 8.8 | 5.5 | 6.6 | 4.4 |
| Current (Amps) | 0.6 Max. | | | |
| Power Rating (V/Hz) | 120 / 60 | | | |
| Dimmable LED Light (Watts) | 13 | | | |
| Project Pack Components Available SLMLED-A3 (housing and SLM80-110LED-B (motor and grille) | | | | |

SLM80-110DLED, 80/110 CFM

Fan/Dimmable LED Light with Dual Speed



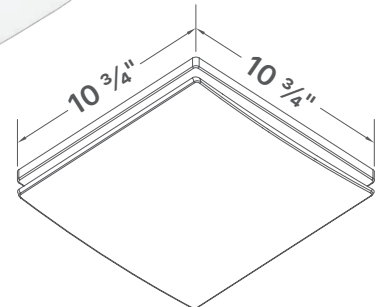
| | Continuous low speed | | | | Full speed | | | |
|-------------------------------|----------------------|------|-----|------|------------|------|------|------|
| Static Pressure (Inches w.g.) | 0.1 | 0.25 | 0.1 | 0.25 | 0.1 | 0.25 | 0.1 | 0.25 |
| Air Flow (CFM) | 50 | 47 | 80 | 80 | 80 | 80 | 110 | 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 | 14.5 | 9 | 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 | | | | | | | |

Delta Designer Grille SLM-DGL

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%¹ 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 efficiency²
- UL listed for both ceiling-mount and wall-mount installation



SLM50, SLM70,
SLM70D, and
SLM70H

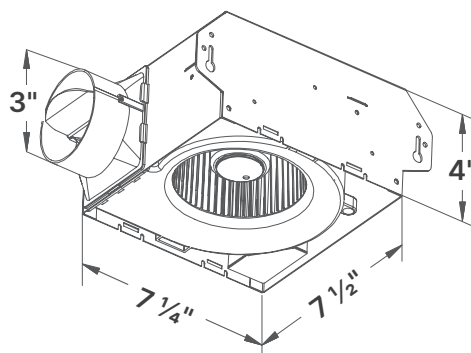


Available with
Project Pack Components

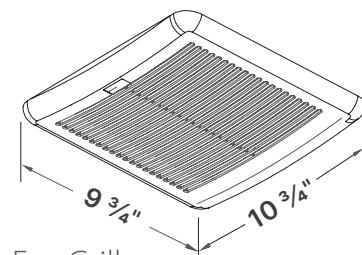


Available with
metal duct adapter

| | 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) ³ | \$6.73 | \$47.56 |



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



Fan Grille

1. Based upon SLM50 vs. market AC motor

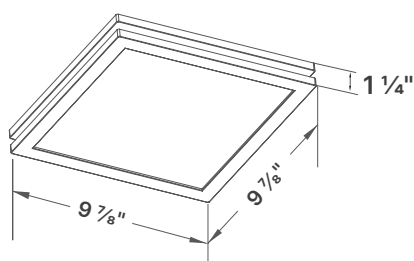
2. Based upon ENERGY STAR v4.2 criteria for residential ventilating fans

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





SLM70ELED



LED Indicator Light:
SLM50, SLM70



LED Indicator Light:
SLM70D



LED Indicator Light:
SLM70H



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 SL M50-B (motor grille) | | |

* Product is ENERGY STAR Most Efficient 2025 distinction and ENERGY STAR certified

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 |
| Current (Amps) | 0.29 Max | |
| Power Rating (V/Hz) | 120 / 60 | |
| Project Pack Components Available SLM-A (housing) and SLM70-B (motor grille) | | |

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 |
| 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 | 6 | 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 | 5.4 |
| Current (Amps) | 0.29 Max | |
| Power Rating (V/Hz) | 120 / 60 | |
| LED Light (Watts/Lumens) | 13 / 850 | |



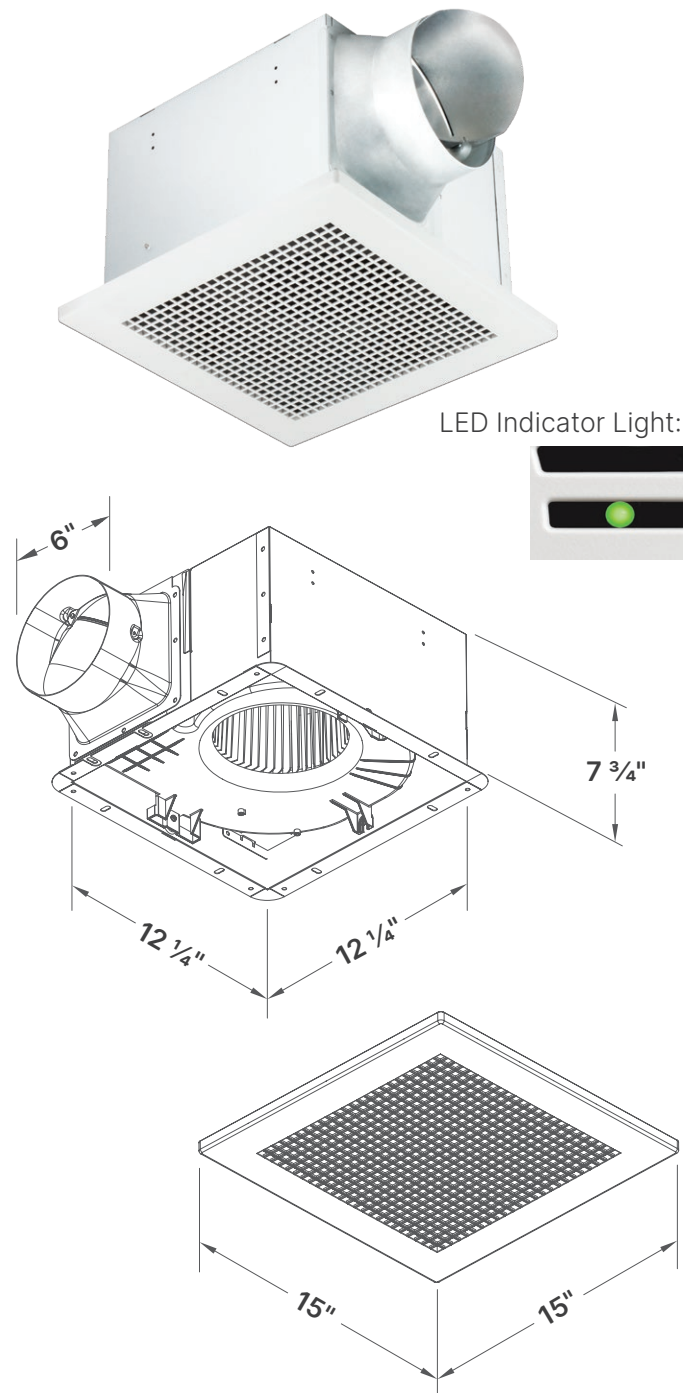
Professional (6" duct)

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% ¹
- 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) ² | \$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

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 | |



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%¹
- <0.3 sones - lowest noise level among competing fans
- Exceeds ENERGY STAR efficiency² 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 v4.2 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) ³ | \$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

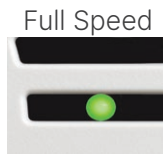
- 3000K
- 4000K
- 5000K



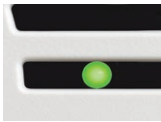
High Speed Fans (130 CFM or 150 CFM)



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



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

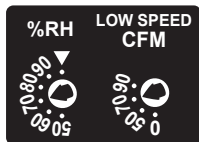


LED Indicator Light: SMT130H
Humidity Sensing Full Speed

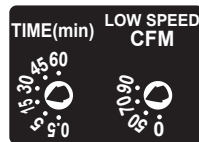


Built-in Controls

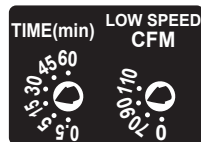
**SMT130H
Controls**



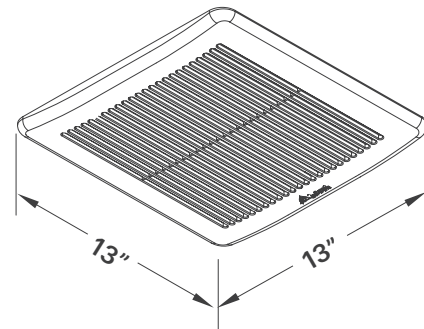
**SMT130M
Controls**



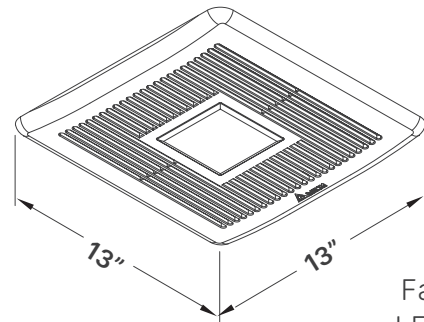
**SMT150D
Controls**



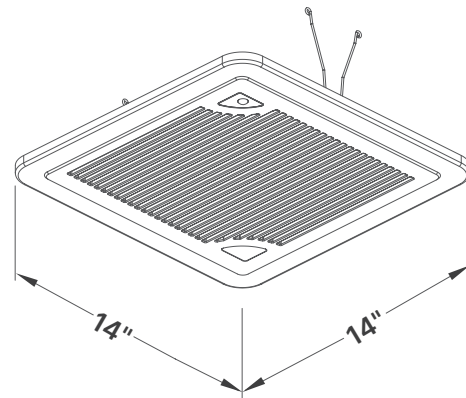
BreezSmart Series Dimensions



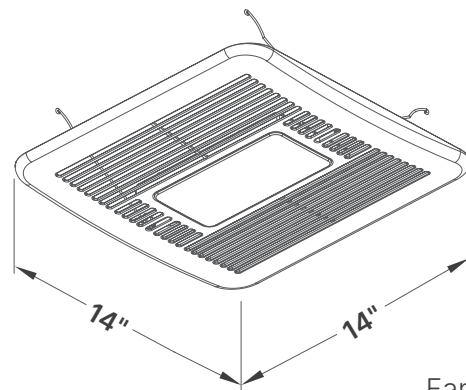
Fan Grille



Fan/Dimmable
LED Light Grille

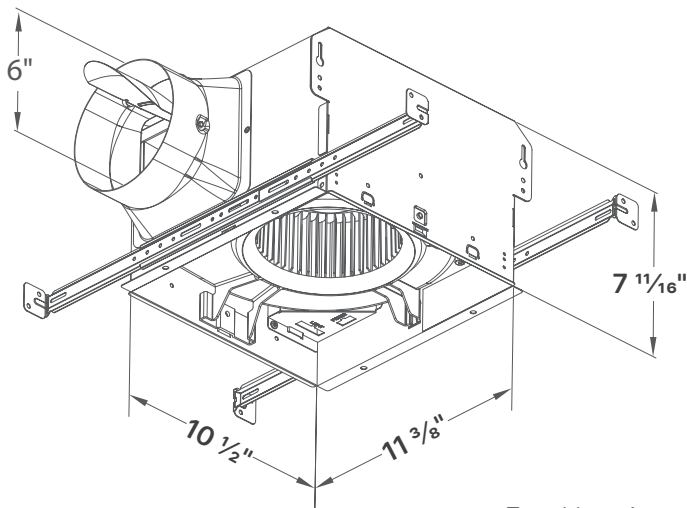


Fan Grille



Fan/Dimmable
LED Light Grille

BreezSmart Series Dimensions



Fan Housing



Specifications

SMT130 - 130 CFM Single Speed Exhaust Fan



| 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 |
| 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 | 15.5 | 11.6 | 20 |
| Energy Efficiency (CFM/Watts) | 8.9 | 4 | 10.1 | 5 | 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 | 15.5 | 11.6 | 20 |
| Energy Efficiency (CFM/Watts) | 8.9 | 4 | 10.1 | 5 | 11.2 | 5.6 | 11.2 | 6.2 |
| Current (Amps) | 0.44 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 | 15.5 | 9.8 | 18.4 | 16.9 | 23.7 |
| Energy Efficiency (CFM/Watts) | 10.1 | 5 | 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



| 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



| Static Pressure (Inches w.g.) | 0.1 | 0.25 | 0.1 | 0.25 |
|-------------------------------|----------|------|-----|------|
| Air Flow (CFM) | 150 | 150 | 200 | 200 |
| Sones | 0.4 | 1.3 | 1.0 | 1.5 |
| Power Consumption (Watts) | 14 | 22 | 24 | 36 |
| Energy Efficiency (CFM/Watts) | 10.7 | 6.8 | 8.3 | 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



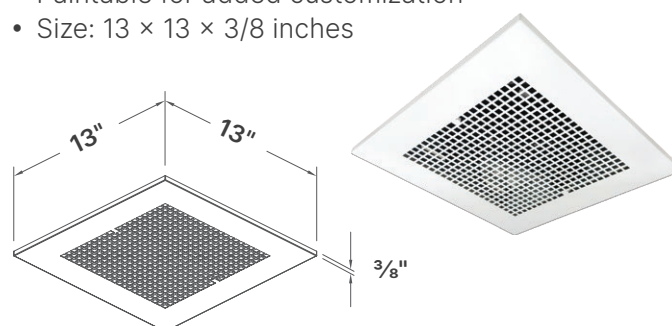
| Static Pressure (Inches w.g.) | 0.1 | 0.25 | 0.1 | 0.25 |
|-------------------------------|----------|------|-----|------|
| Air Flow (CFM) | 150 | 150 | 200 | 200 |
| Sones | 0.6 | 1.3 | 1.0 | 1.5 |
| Power Consumption (Watts) | 15 | 23 | 25 | 37 |
| Energy Efficiency (CFM/Watts) | 10 | 6.5 | 8 | 5.4 |
| Current (Amps) | 0.78 Max | | | |
| Power Rating (V/Hz) | 120 / 60 | | | |
| LED Light (Watts/Lumens) | 13 / 850 | | | |

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



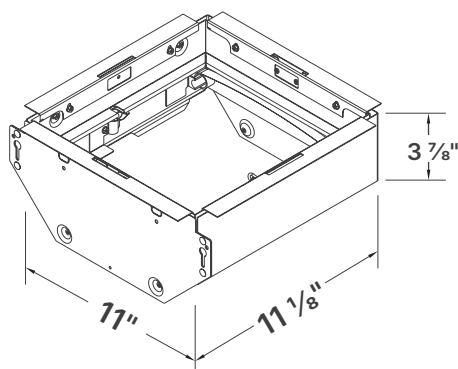
Ceiling Radiation Damper

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.

SMT-CRD

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).

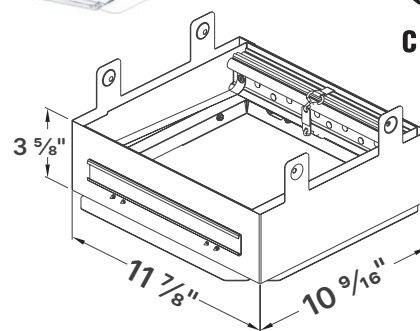


SMT-CRD2

Features:

- UL and cUL listed and exceeds UL 555C for use in 3-hour fire rated assemblies
- Delta BreezSmart SMT-CRD2 - Ceiling Radiation Damper helps to limit the radiant heat transfer through an air inlet/outlet opening in the ceiling membrane
- SMT-CRD2 Ceiling Radiation Damper is UL and cUL listed, and exceeds UL 555C for use in 3-hour fire rated assemblies
- CSFM listing: 3226-1650:0106
- UL 555C listing: R16833
- Meets NFPA Standards: 90A and 101
- Meets Building Code Standards: IBC, NBC, NFPA, SBC, and UBC
- Installation is valid for the following UL rated wood truss ceilings:
- Floor-Ceiling = L587 (Owned) Also found in the following floor-ceiling designs: L528, L558, L562, L563, L574, and L585
- Roof Ceiling = P556 (Owned) Also found in the following roof-ceiling designs: P533, P544, P545, P547, and P580

Intended for installation with the following UL Listed Delta Electronic Fan Models SMT130, SMT130M, SMT130H, SMT150, SMT150D, SMT150LED, SMT150-200, SMT150-200LED, SLM80, SLM100, SLM80-110-C, SLM80-110LED-C, SLM80-110D-C, SLM80-110DLED-C, SLM80-110H-C, SLM50-110-C, and SLM50-110LED-C. (for SLM series to use combustible installation need to purchase VFRU-21-13HB separately).





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%¹ 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 efficiency²
- 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



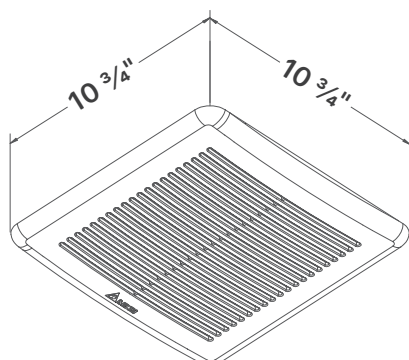
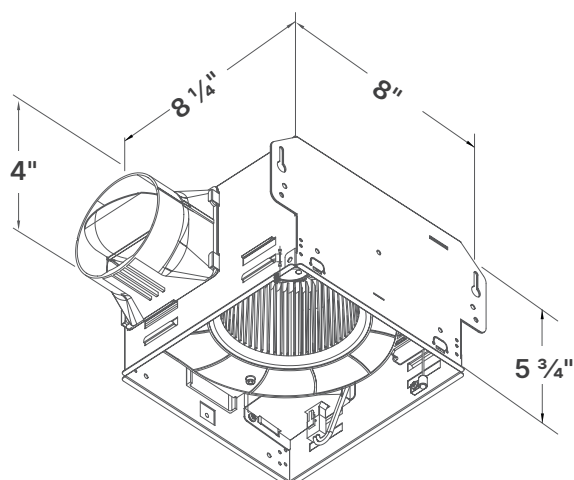
Project Pack
Components
Available

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

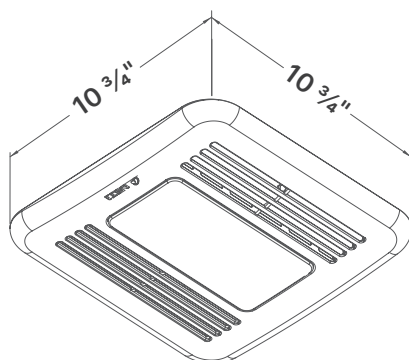
2. Based upon GBR80CFM vs. ENERGY STAR v4.2 criteria for residential ventilating fans



BreezGreenBuilder Series Dimensions



Grille for Fan Only



Grille for Fan/ Dimmable LED Light

LED Indicator Light:
GBR80, GBR80LED
GBR100, GBR100LED

Fan is running



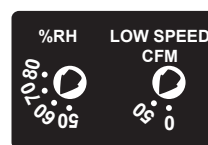
LED Indicator Light:
GBR80H, GBR100H

Humidity Sensing Full Speed



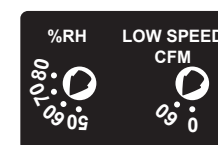
Built-in Controls

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 | 6 | 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 | 11 | 13 |
| 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 | | | |

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 | 13 |
| 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 | |



4 Inch Duct Series Specifications

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) | | |

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 | |

GBR100H - 100 CFM Fan with Humidity Sensor



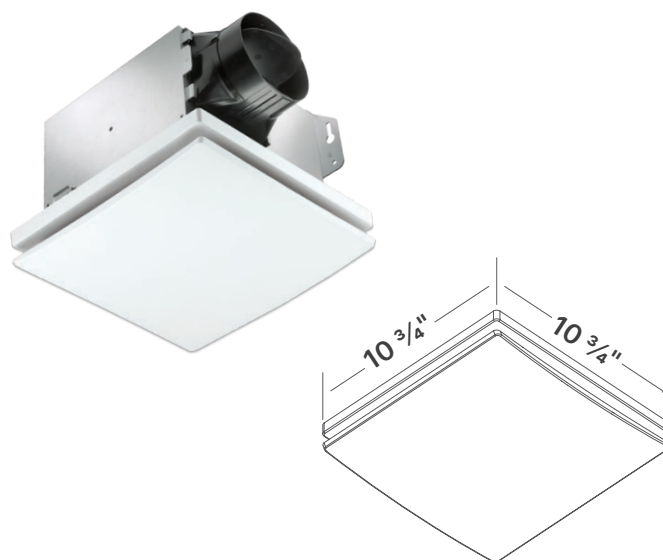
| Fan Speed | Continuous Low Speed | | Full Speed | |
|-------------------------------|----------------------|------|------------|------|
| Static Pressure (Inches w.g.) | 0.1 | 0.25 | 0.1 | 0.25 |
| Air Flow (CFM) | 60 | 42 | 100 | 77 |
| Sones | 0.5 | 0.7 | 1.4 | 1.5 |
| Power Consumption (Watts) | 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 | | | |

Designer Grille GBR-DGL

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 3/4" x 10 3/4"



| | Delta Breez | Market AC Motor |
|--|-------------|-----------------|
| Energy Use (Watts) | 10.5 | 26.9 |
| Noise Level (Sones) | 0.8 | 1.5 |
| Annual Energy Cost per Fan (24/7) ¹ | \$11.04 | \$28.27 |

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

Ceiling Radiation Damper

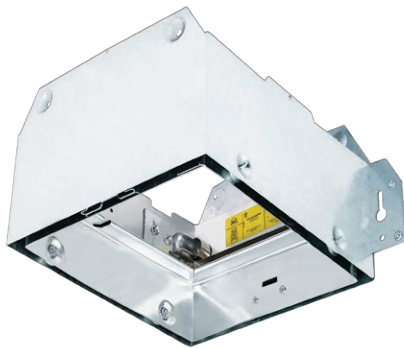
The damper employs a folded curtain style blade for point-of-origin control of radiant heat in a ventilation system. GBR-CRD installs in the ceiling membrane for floor/ceiling or roof/ceiling assemblies with a fire resistance rating up to and including 3 hours.

Features:

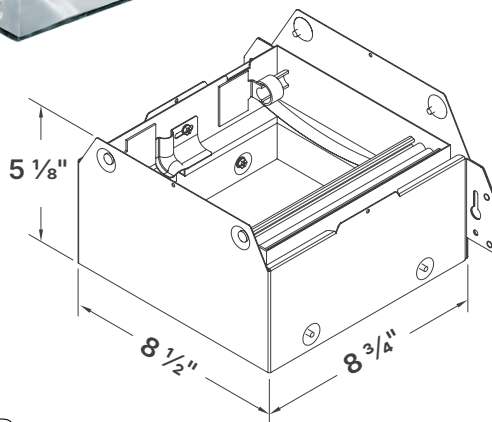
- UL and cUL listed and exceeds UL 555C for use in 3-hour fire rated assemblies
- Warnock-Hersey certified for use in fire rated floor/ceiling or roof/ceiling assemblies
- CSFM listing: 3226-0368:104
- Meets NFPA Standards: 90A and 101
- Meets Building Code Standards: IBC, NBC, NFPA, SBC and UBC

GBR-CRD

- 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



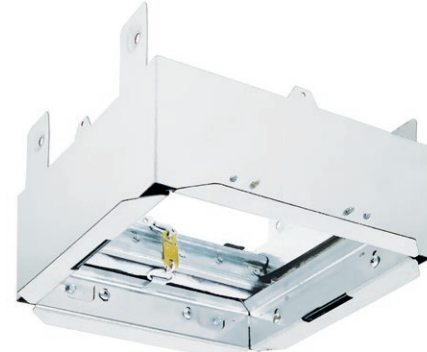
GBR-CRD



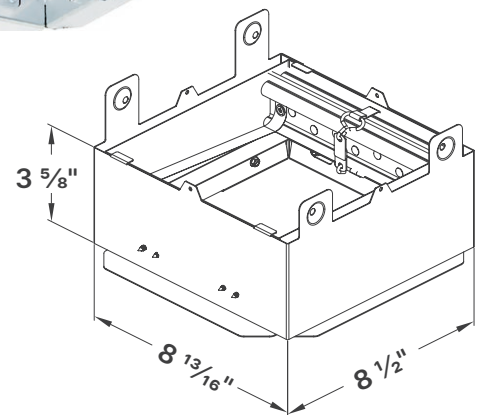
- GBR-CRD available for GBR80, GBR80H, GBR80HLED, GBR80LED, GBR100, GBR100H and GBR100LED

GBR-CRD2

- Installation is valid for the following UL rated wood truss ceilings:
- Floor-Ceiling = L587 (Owned) Also found in the following floor-ceiling designs: L528, L558, L562, L563, L574, and L585
- Roof Ceiling = P556 (Owned) Also found in the following roof-ceiling designs: P533, P544, P545, P547, and P580
- Intended for installation with the following UL Listed Delta Electronic Fan Models GBR80, GBR80H, GBR80HLED, GBR80LED, GBR100, GBR100H, GBR100LED, ELT80-110, ELT80-110D, ELT80-110H, ELT80-110MH, ELT80-110LED, ELT80-110DLED, ELT80-110HLED, and ELT80-110MHLED



GBR-CRD2





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



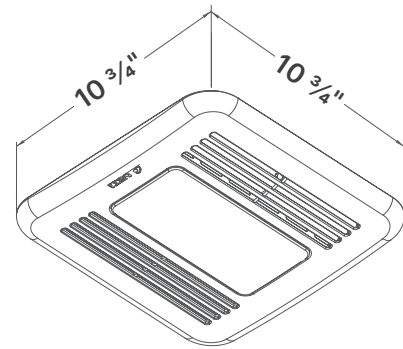
Fan/Dimmable LED light

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.





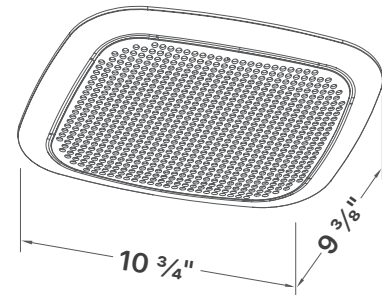
Fan/Edge-lit
Dimmable LED light



Grille for Fan/LED Light

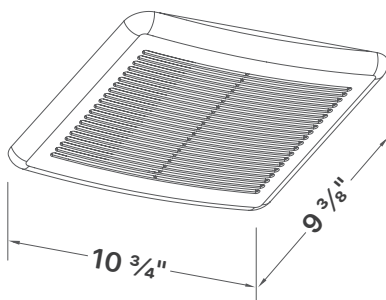
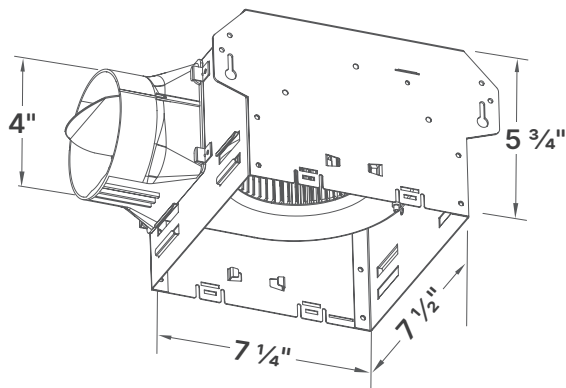


Fan/LED Edge-Lit Dimmable LED light,
Flat Round Panel

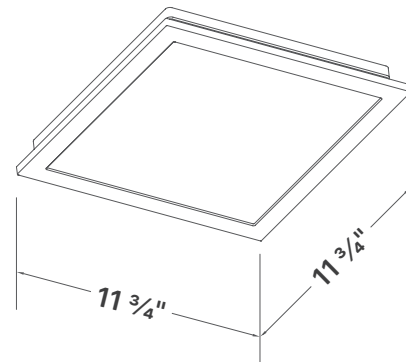


Grille for Fan with Bluetooth® Speaker

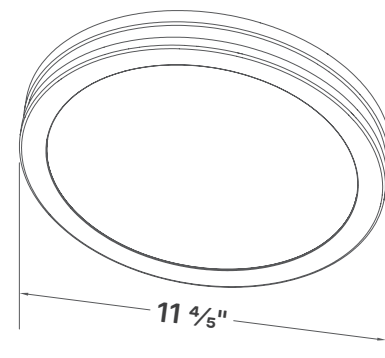
BreezIntegrity Series Dimensions



Grille for Fan Only



Grille for Fan/Edge-lit LED Light



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



LED Indicator Light:

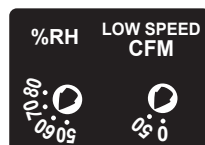
ITG80H

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 | 7 |
| 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 | 7 |
| 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 2025 distinction and ENERGY STAR certified

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 | 12 |
| 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)

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 | 7 | 10 | 12 |
| Energy Efficiency (CFM/Watts) | 12 | 6.9 | 9 | 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 | |

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 | |

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 | 21 |
| 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) | | |

ITG100LED - 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 | 20 |
| 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 | 21 |
| 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 | |

VFB080B4A1-LVDC - 80 CFM, 48V DC Fan

| | | |
|-------------------------------|----------|------|
| Static Pressure (Inches w.g.) | 0.1 | 0.25 |
| Air Flow (CFM) | 100 | 85 |
| Sones | 1.5 | 2.0 |
| Current (Amps) | 0.47 Max | |
| Power Rating (V/Hz) | 120 / 60 | |

Ceiling Radiation Damper

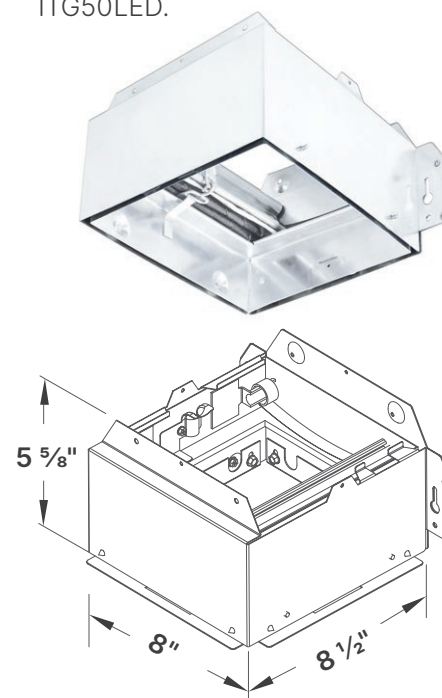
The damper employs a folded curtain style blade for Point-of-origin control of radiant heat in a ventilation system. ITG-CRD installs in the ceiling membrane for floor/ceiling or roof/ceiling assemblies with a fire resistance rating up to and including 3 hours.

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

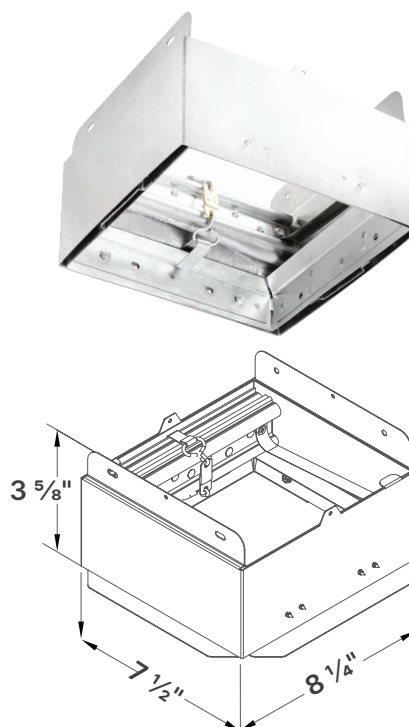
ITG-CRD

- Available for use with Delta Breez ventilation fans ITG100, ITG80, ITG50, ITG80H, ITG80LED, and ITG50LED.



ITG-CRD2

- Intended for installation with the following UL Listed Delta Electronic Fan Models ITG50, ITG80, ITG80H, ITG100, ITG50LED and ITG80LED





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:

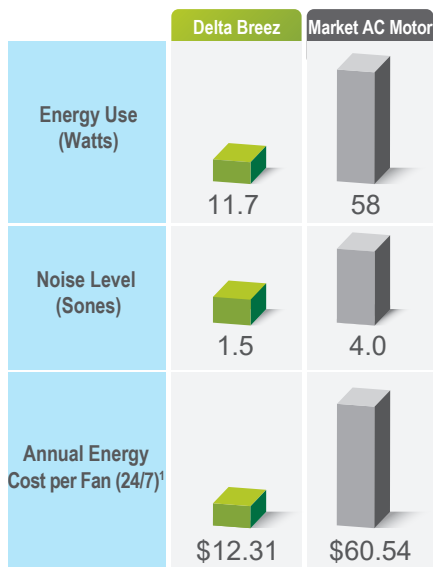
- Energy saving DC motor technology
- Built-in thermostat for consistent temperature
- Metal guard to prevent user contact with heating element
- Heater module equipped with thermal cut off fuse
- Duct diameter of 4"
- 1300/1600 Watts heating element evaluated by cUL for safety standards

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)



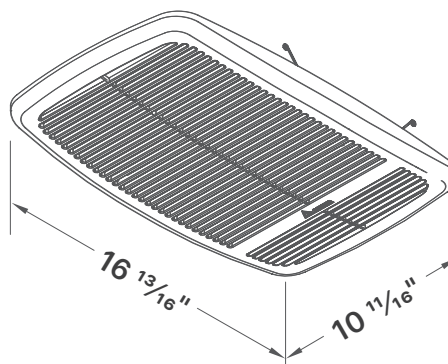
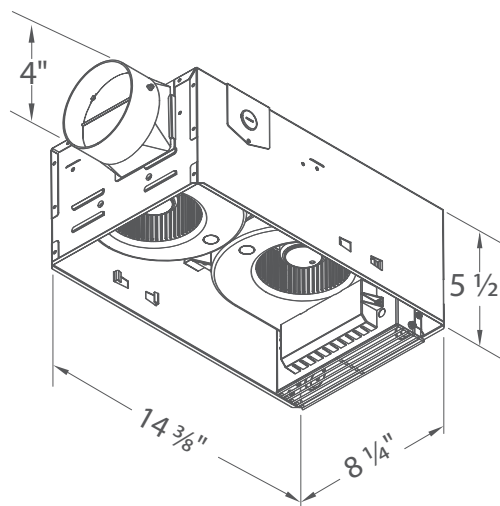
Built-in thermostat



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



RAD80 Fan with Heater



Specifications

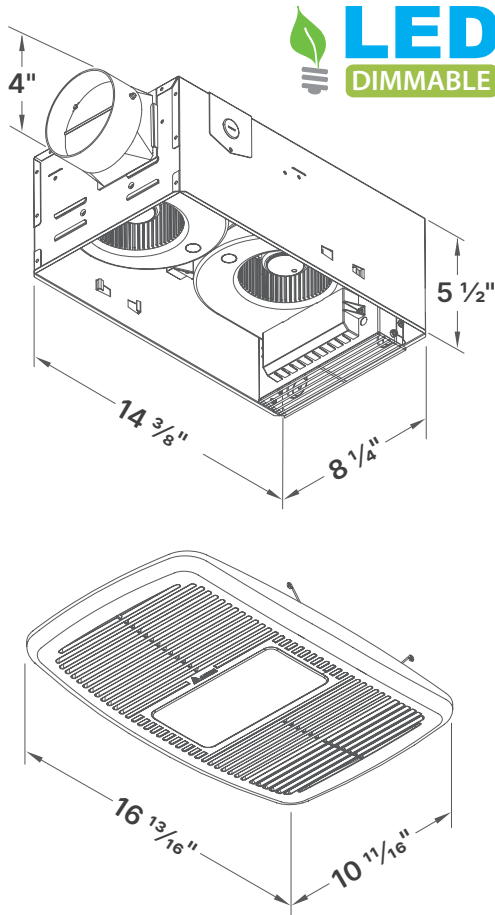
RAD80 - 80 CFM Fan with Heater



| | |
|-------------------------------|----------|
| Static Pressure (Inches w.g.) | 0.1 |
| Air Flow (CFM) | 80 |
| Sones | 1.5 |
| Power Consumption (Watts) | 11.7 |
| Energy Efficiency (CFM/Watts) | 7 |
| 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

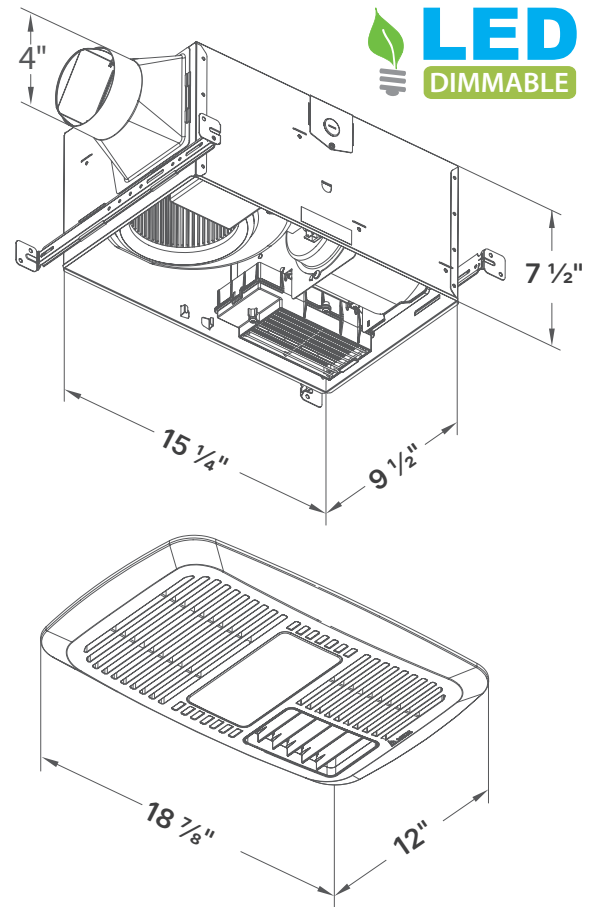
Fan/Dimmable LED Light w/ Heater



| | |
|-------------------------------|----------|
| Static Pressure (Inches w.g.) | 0.1 |
| Air Flow (CFM) | 80 |
| Sones | 1.5 |
| Power Consumption (Watts) | 11.7 |
| Energy Efficiency (CFM/Watts) | 7 |
| 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



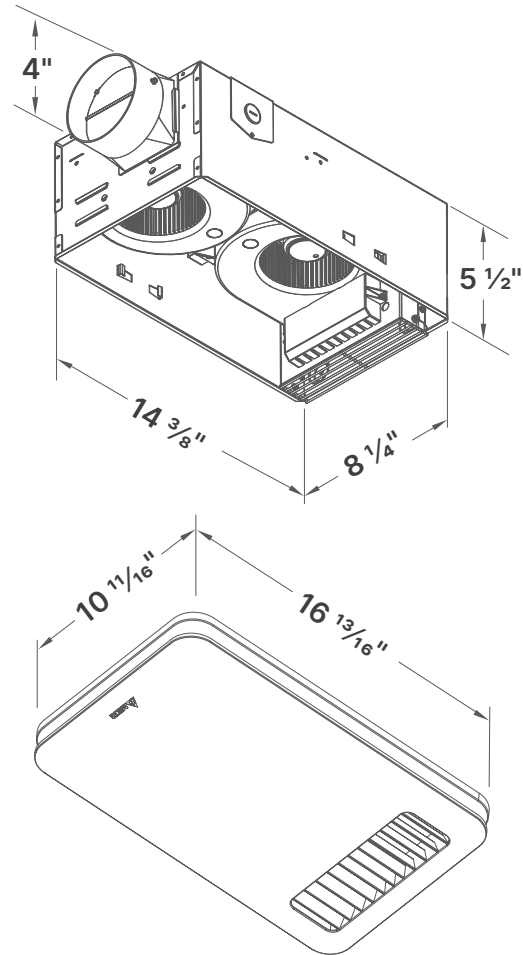
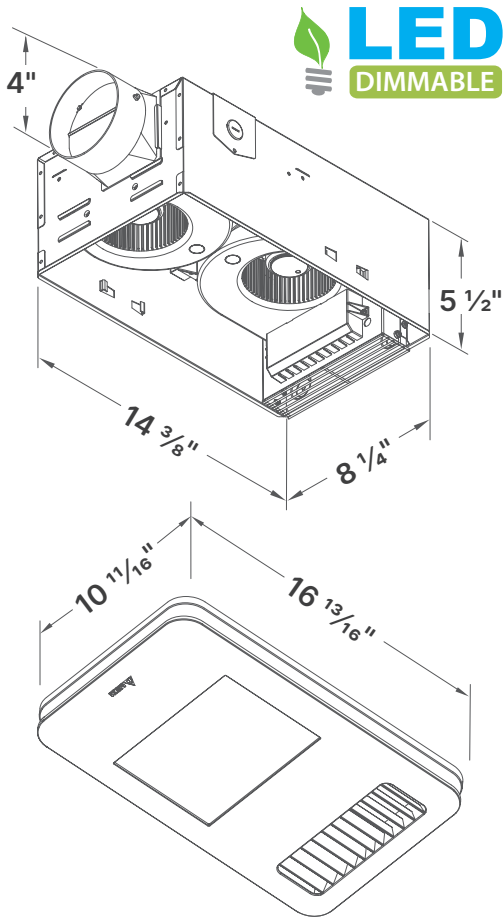
| | | |
|-------------------------------|----------|------|
| Static Pressure (Inches w.g.) | 0.1 | 0.25 |
| Air Flow (CFM) | 110 | 85 |
| Sones | 0.7 | 1.0 |
| Power Consumption (Watts) | 12 | 13 |
| Energy Efficiency (CFM/Watts) | 11 | 7.8 |
| Current (Amps) | 14 | |
| Power Rating (V/Hz) | 120 / 60 | |
| 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 |
| 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 |
| Current (Amps) | 11 |
| Power Rating (V/Hz) | 120 / 60 |
| Heating element (Watts) | 1300 |
| Total power (Watts) | 1314 |



4 Inch Duct Series

Designer fan solution

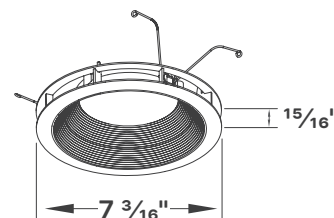
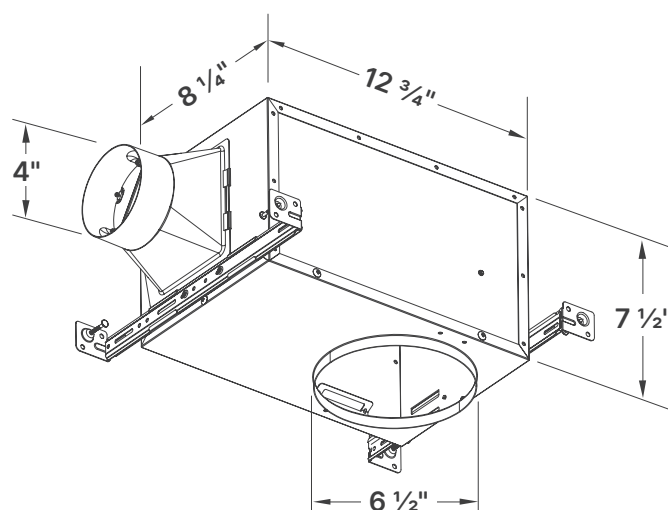
80 CFM fan disguised as a recessed light with Dimmable LED light and night light. For 80 sq. ft. space. Quiet operation at 1.5 sones. UL approved for ceiling mount only.

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) ¹ | \$15.25 | \$35.91 |

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

Specifications

REC80LED - 80 CFM Fan/Dimmable LED Light

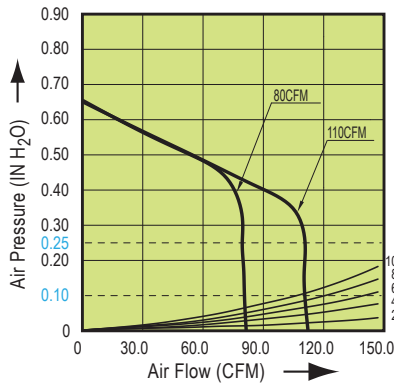


| | | |
|-------------------------------|----------|------|
| Static Pressure (Inches w.g.) | 0.1 | 0.25 |
| Air Flow (CFM) | 80 | 65 |
| Sones | 1.5 | 2.0 |
| Power Consumption (Watts) | 14.5 | 14.5 |
| Energy Efficiency (CFM/Watts) | 6.1 | 5.4 |
| Current (Amps) | 0.34 Max | |
| Power Rating (V/Hz)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

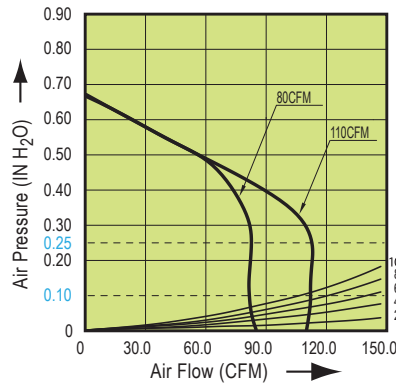
Delta Breez Fan Curves

BreezSignature Fan Curves (presented 6 inch Duct)

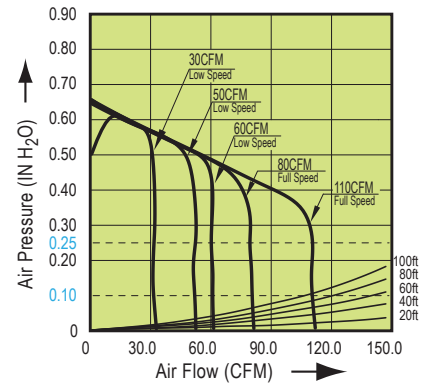
SIG80-110 Fan Curve



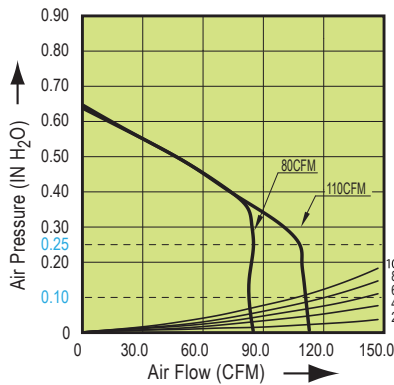
SIG80-110LED Fan Curve



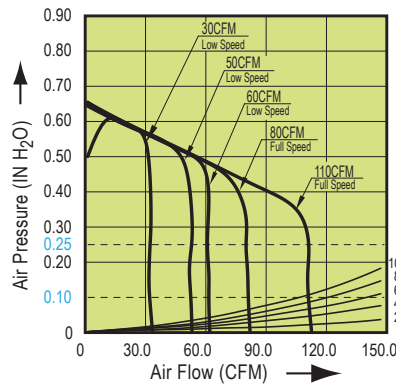
SIG80-110D Fan Curve



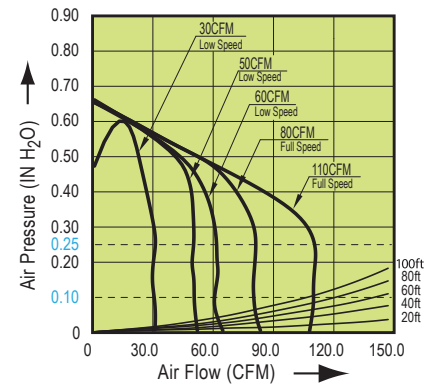
SIG80-110ELED Fan Curve



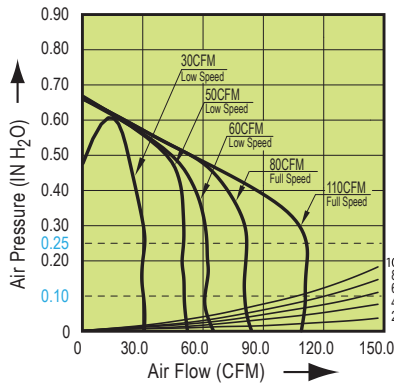
SIG80-110H Fan Curve



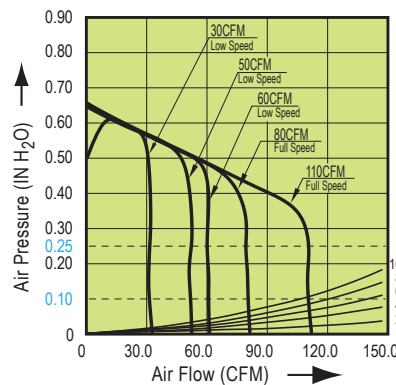
SIG80-110HLED Fan Curve



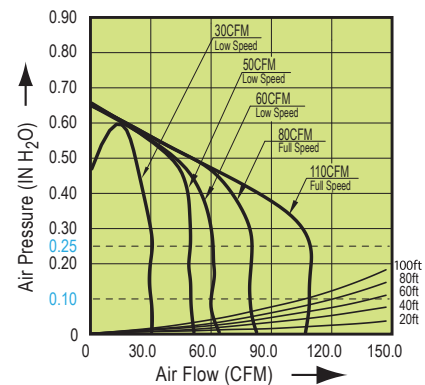
SIG80-110DLED Fan Curve



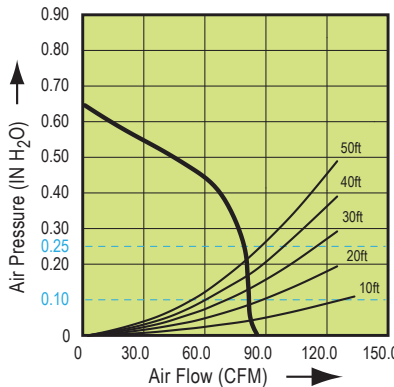
SIG80-110MH Fan Curve



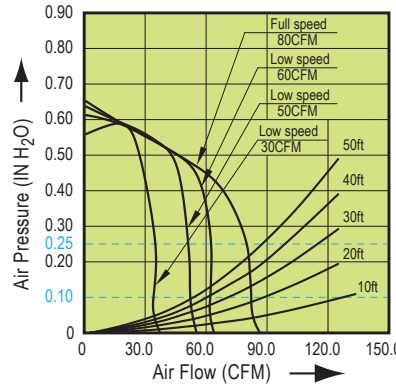
SIG80-110MHLED Fan Curve



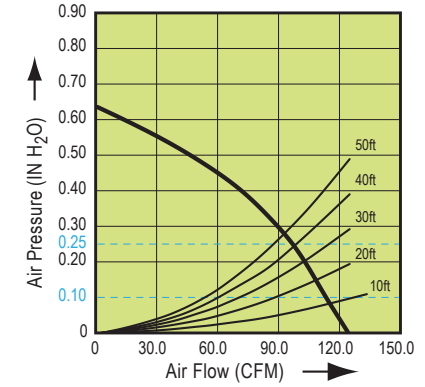
SIG80 Fan Curve



SIG80D Fan Curve

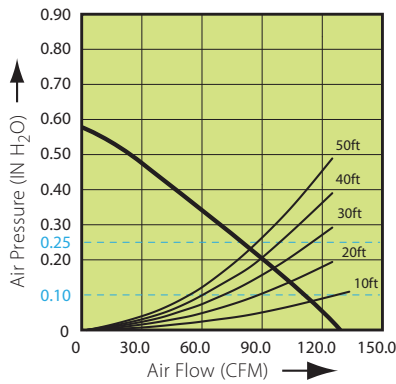


SIG110 Fan Curve



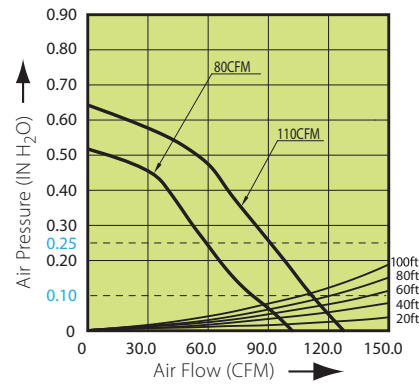
BreezSignature Fan Curves

VFB25ADB Fan Curve

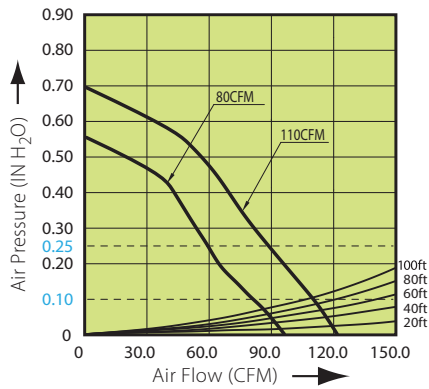


BreezElite Fan Curves

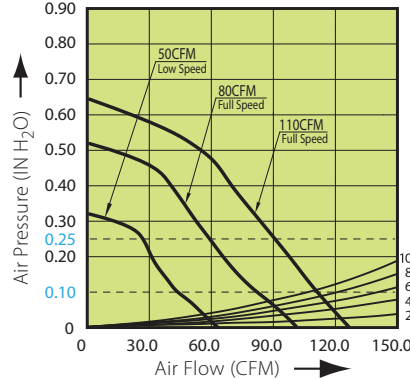
ELT80-110 Fan Curve



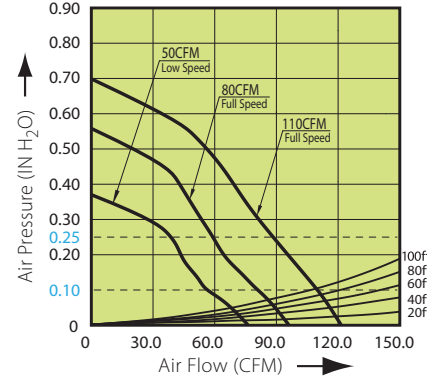
ELT80-110LED Fan Curve



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

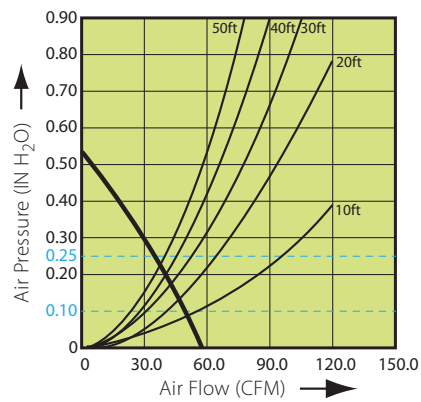


ELT80-110DLED / ELT80-110HLED ELT80-110MHLED Fan Curve

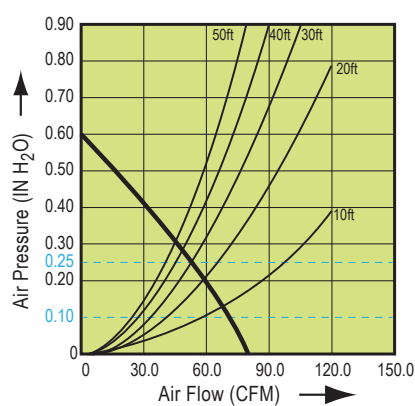


BreezSlim Fan Curves

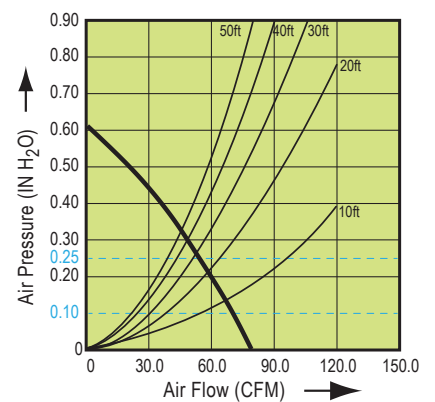
SLM50 Fan Curve



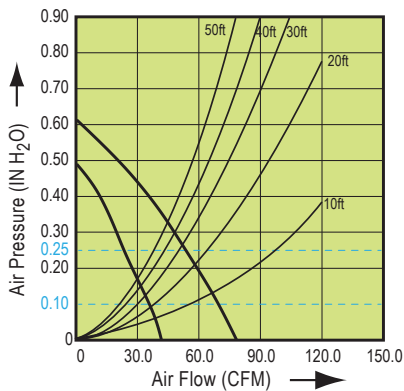
SLM70 Fan Curve



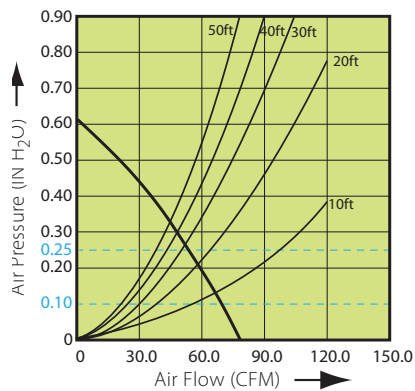
SLM70H Fan Curve



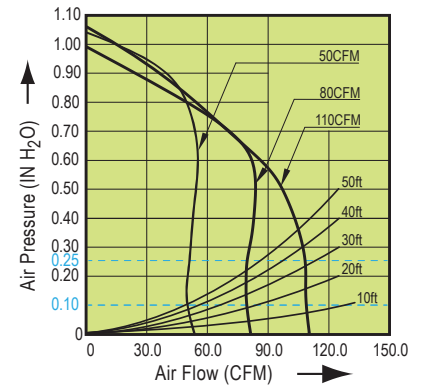
SLM70D Fan Curve



SLM70ELED Fan Curve

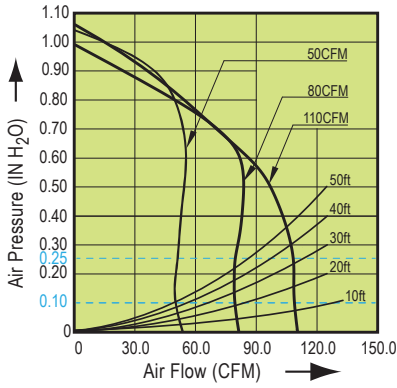


SLM50-110-C Fan Curve

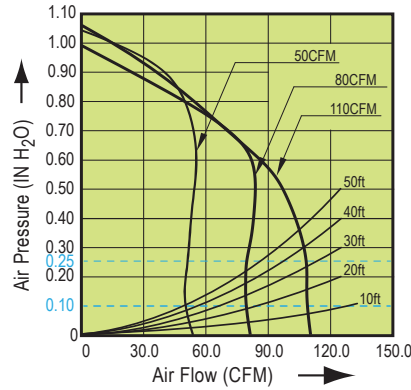


BreezSlim Fan Curves

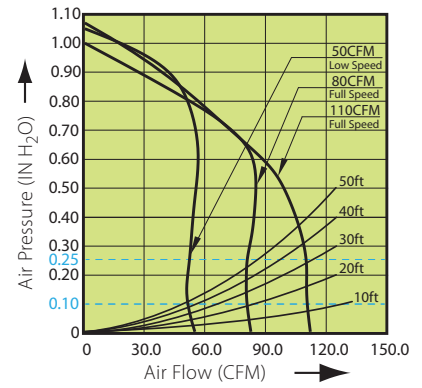
SLM50-110LED-C Fan Curve



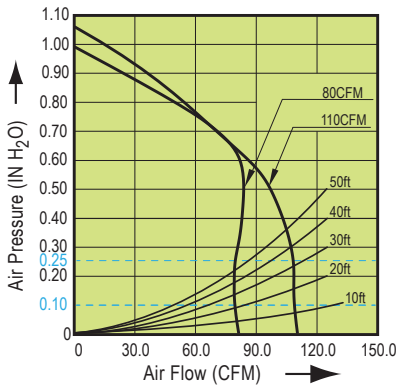
SLM80-110H-C Fan Curve



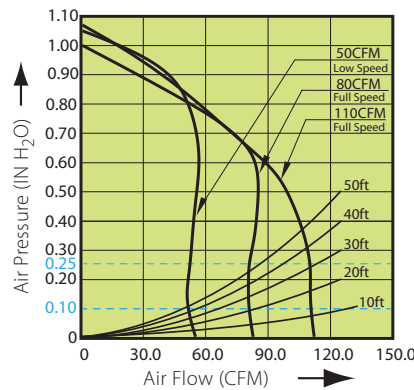
SLM80-110D-C & SLM80-110DLED-C



SLM80-110LED

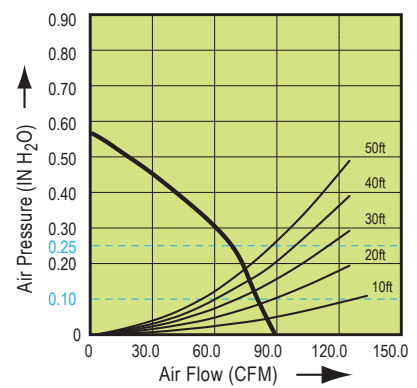


SLM80-110DLED



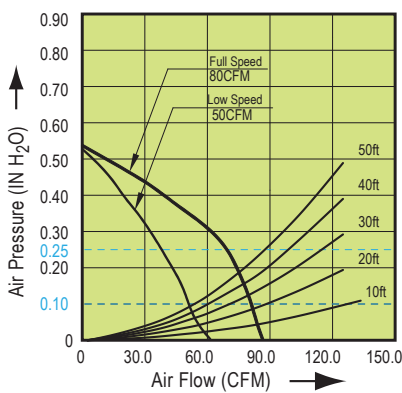
BreezGreenBuilder Fan Curves

GBR80 Fan Curve

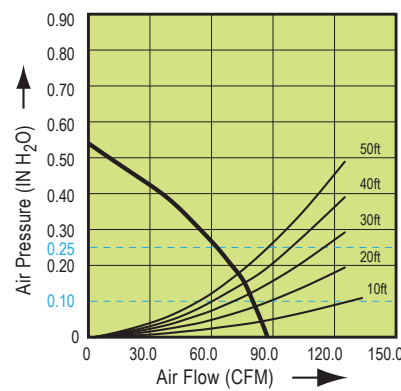


BreezGreenBuilder Fan Curves

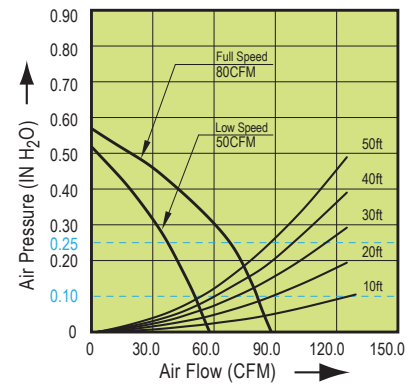
GBR80H Fan Curve



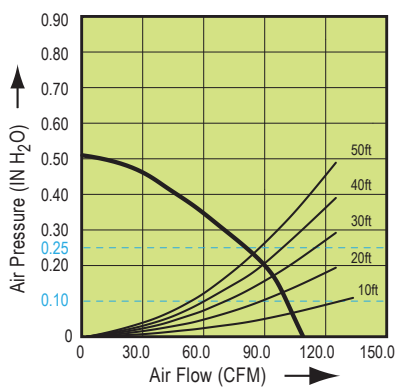
GBR80LED Fan Curve



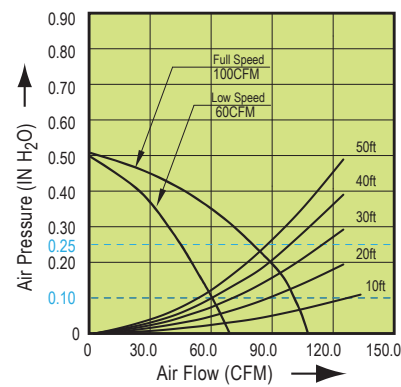
GBR80HLED Fan Curve



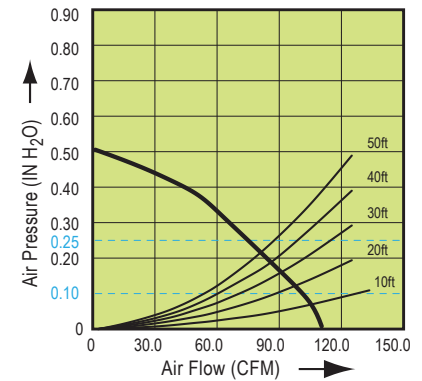
GBR100 Fan Curve



GBR100H Fan Curve

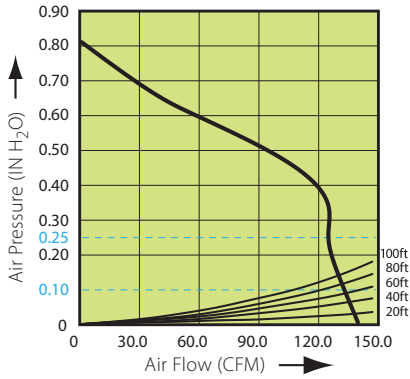


GBR100LED Fan Curve

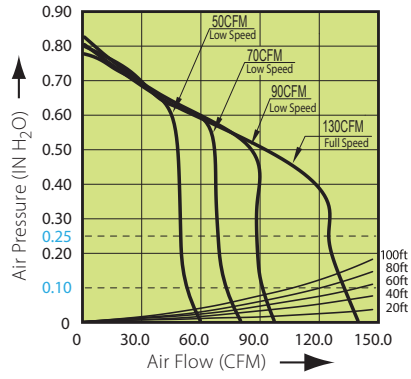


BreezSmart Fan Curves

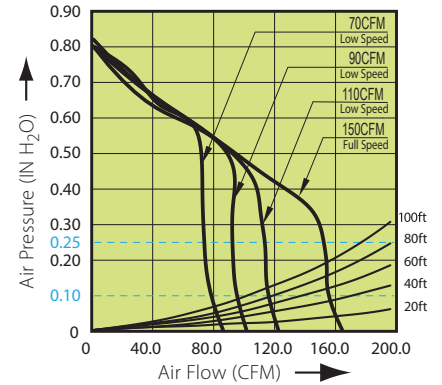
SMT130 Fan Curve



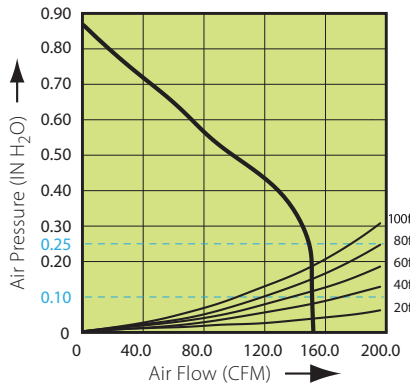
SMT130H & SMT130M Fan Curve



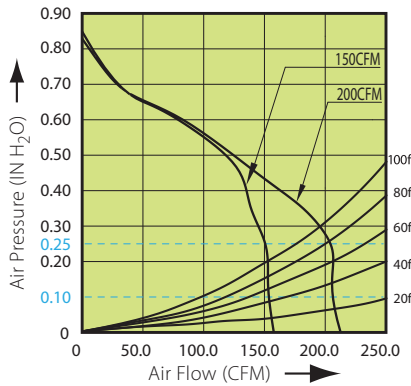
SMT150D Fan Curve



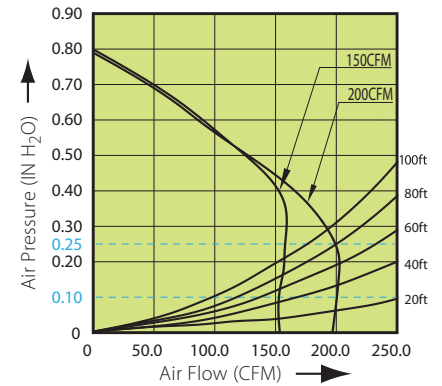
SMT150LED Fan Curve



SMT150-200 Fan Curve

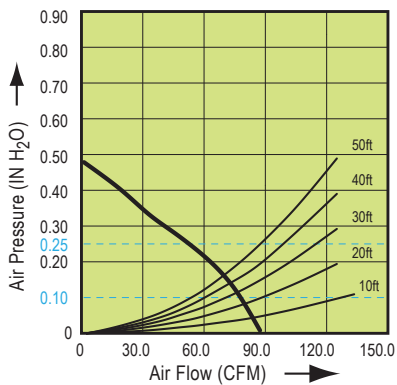


SMT150-200LED Fan Curve

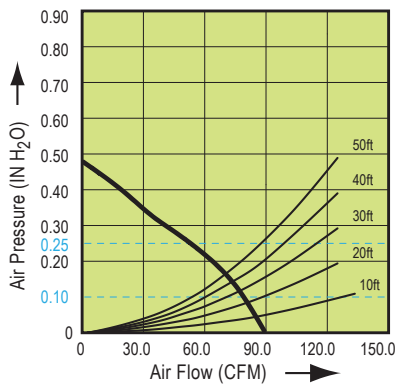


BreezRadiance Fan Curve

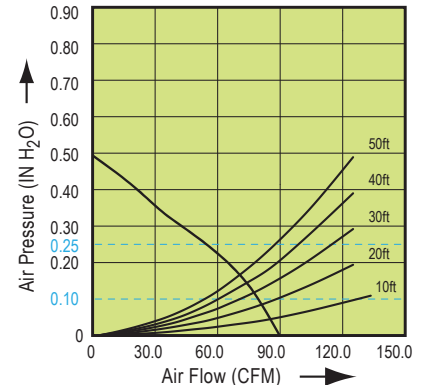
RAD80 Fan Curve



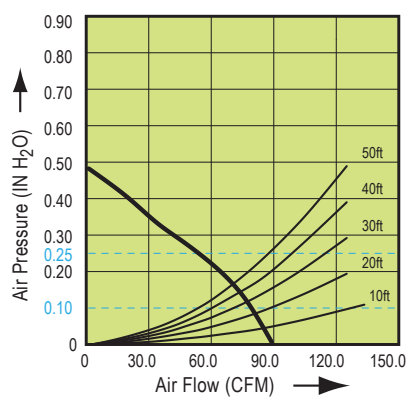
RAD80L Fan Curve



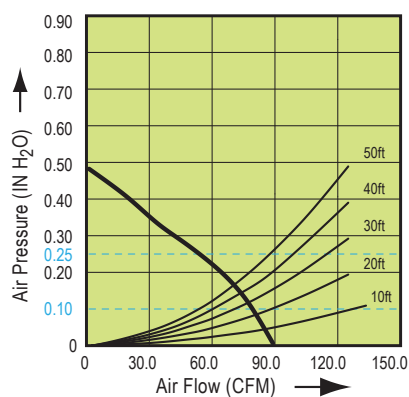
RAD80-DGL Fan Curve



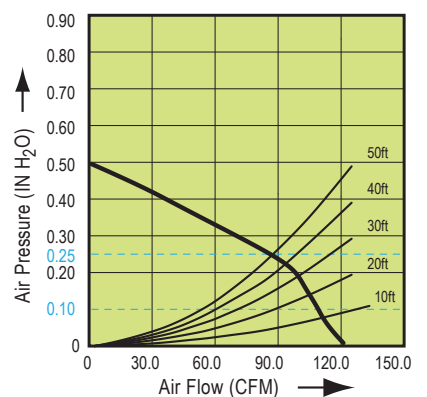
RAD80ELED Fan Curve



RAD80LED Fan Curve

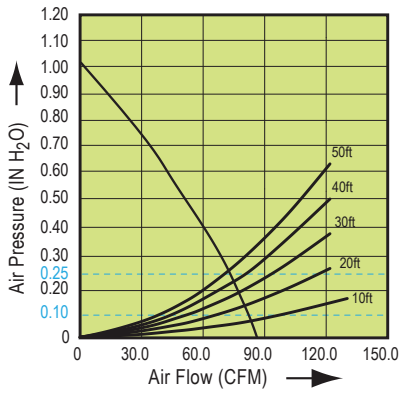


RAD110LED Fan Curve



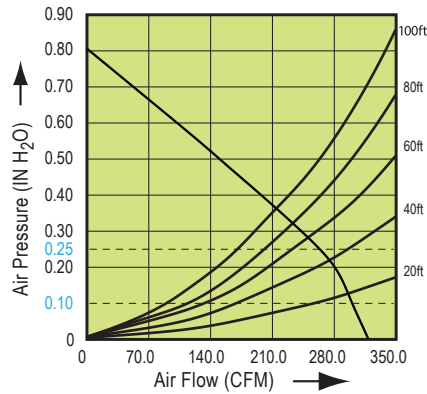
BreezRecessed Fan Curves

REC80LED Fan Curve



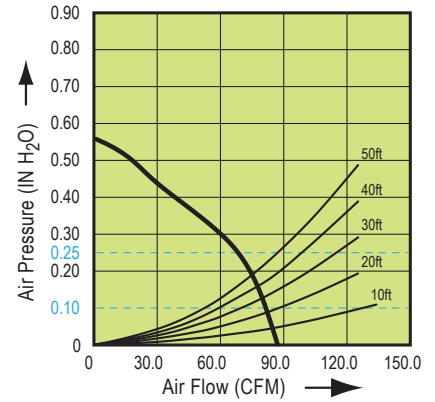
BreezPro Fan Curve

Pro300 Fan Curve



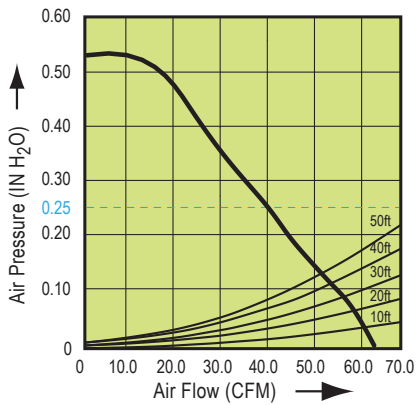
BreezIntegrity Fan Curves

VFB080B4A1-LVDC Fan Curve

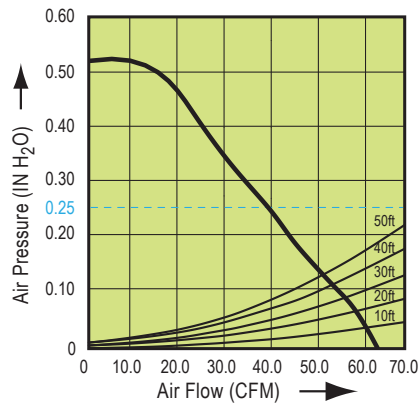


BreezIntegrity Fan Curves

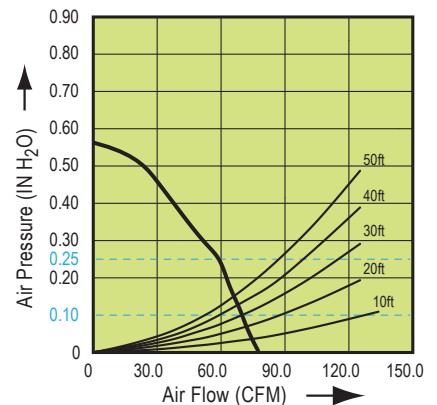
ITG50 Fan Curve



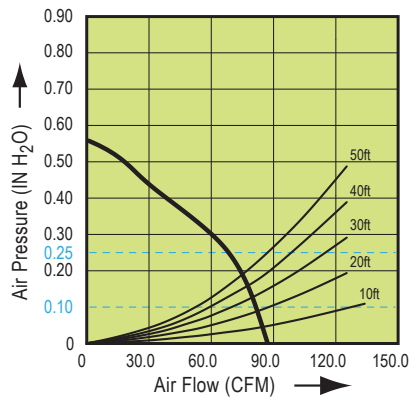
ITG50LED Fan Curve



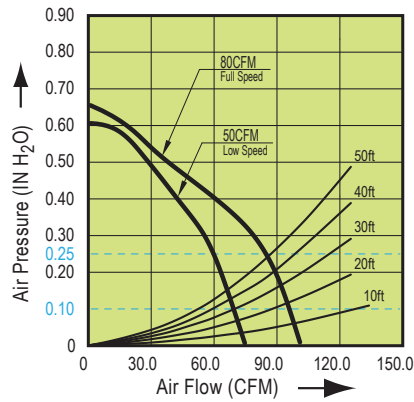
ITG70BT Fan Curve



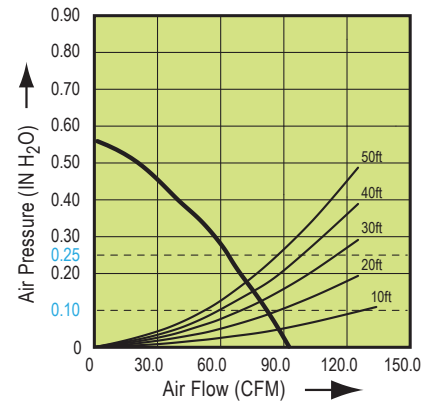
ITG80 Fan Curve



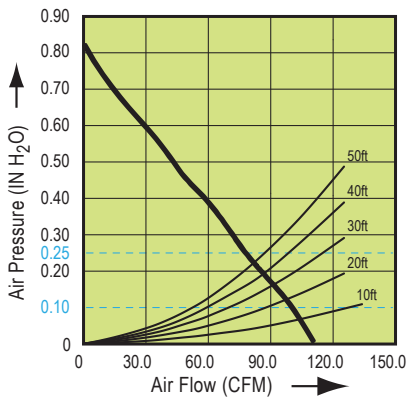
ITG80H Fan Curve



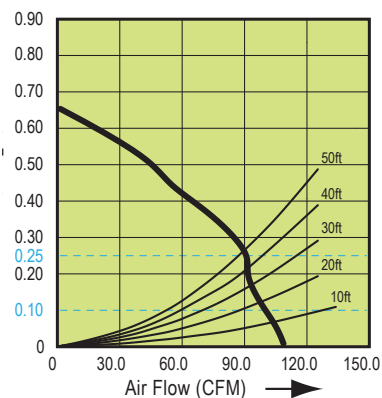
ITG80LED Fan Curve



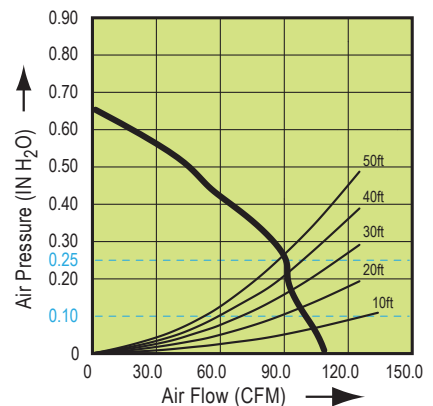
ITG100 Fan Curve



ITG100LED Fan Curve



ITG100RLED Fan Curve



COMPREHENSIVE TESTING ENSURES RELIABILITY

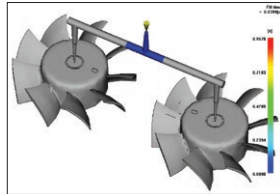
Testing procedures for ventilation fan reliability verification are conducted before, during and after production. Customers can rest easy, knowing the product's durability and long lifespan.

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.

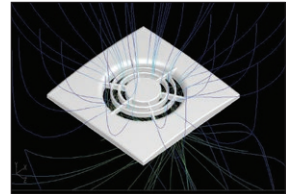
Moldflow Analysis Software

Plastic mold



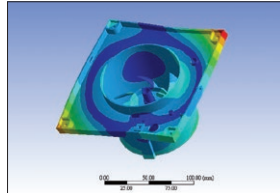
Aerodynamic Simulation Software

Fan blade curve design and air flow analysis



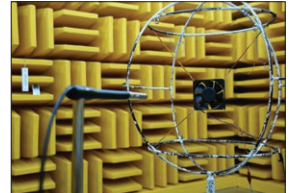
Structure Simulation Software

Structural analysis for stress and vibration



Semi-Anechoic Chamber

Noise testing for sound pressure and sound quality

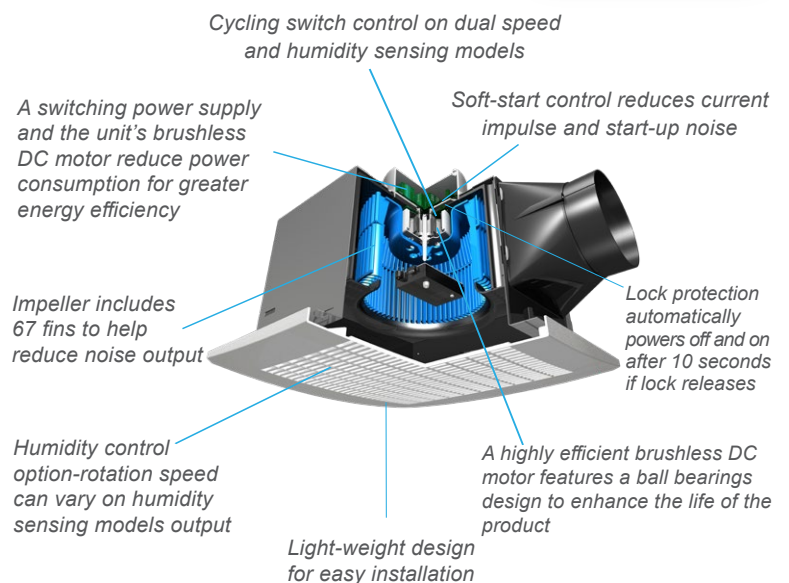


Physical Testing for Ventilation Fan Reliability


































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



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 |  |
| | 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 ¹ |  |  Most Efficient 2025 www.energystar.gov |  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 |
| DC | <0.3 | 7.5 (Fan Only) | 11.7 | \$7.89 | 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 |
| 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 |
| 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 |
| 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 |
| DC | <0.3 | 11.6 | 11.2 | \$12.10 | Y | | Y | Y |
| DC | <0.3 | 11.6 | 11.2 | \$12.10 | 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 | 0.4 | 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 |
| DC | 0.5 | 7.0 (Fan Only) | 11.4 | \$7.36 | Y | | Y | Y |
| DC | 0.5 | 7.0 | 11.4 | \$7.36 | Y | | Y | Y |
| DC | 0.5 | 7.0 (Fan Only) | 11.4 | \$7.36 | Y | | Y | Y |
| DC | 0.5 | 7.0 | 11.4 | \$7.36 | Y | | Y | Y |
| DC | 0.5 | 7.0 (Fan Only) | 11.4 | \$7.36 | Y | | Y | Y |
| DC | 0.5 | 7.0 | 11.4 | \$7.36 | Y | | Y | Y |
| DC | 0.5 | 7.0 (Fan Only) | 11.4 | \$7.36 | Y | | Y | Y |







¹ 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 |  |
| 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 Supply Fan | |
| | FRS200HT | 30-200 | 6 inches | Smart Sensing Supply Fan – Humidity and Temperature Control | |

 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 ¹ |  |  Most Efficient 2025 www.energystar.gov |  Meets & Exceeds Requirements |  Meets & Exceeds 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 | 1.0 | 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 |
| DC | N/A | | | | Y | Y | Y | Y |



Heater



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

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 |
| | VFB25ADBT (110 CFM) | Fan with Bluetooth® | 4 inches | 90 CFM | 80 CFM | 70 CFM | 70 CFM |
| Smart | 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 |
| | SMT150-200LED (200 CFM) | Fan/Dimmable LED Light w/ adjustable color temperature | 6 inches | 200 CFM | 200 CFM | 200 CFM | 190 CFM |
| Recessed | 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 |

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 |
| | FRS200HT (200 CFM) | Smart Sensing Supply Fan with Humidity and Temperature Control | 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 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/m³. 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, 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

Customer sales support: (877) 685-4384

Email: BreezSalesSupport@deltaww.com

Fax: (510) 226-5098



Dealer Address:



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

www.deltabreez.com

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