

# ACME

## Ultra Silent, High Performance Ceiling Ventilator



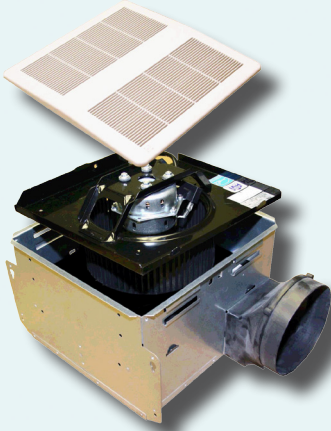
**Est. 1938**

**ACME ENGINEERING & MANUFACTURING CORP.**

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# Model VQES

## CEILING VENTILATORS



Acme's new ultra silent, low profile ceiling fan is Energy Star rated at 65% less energy usage when compared to a non-Energy Star rated fan. The VQES boasts HVI Certification assuring the user that the air flow (CFM rate) and noise level (sone) were measured by means of rigorous testing conducted by HVI's independent lab. The VQES also carries ETL Listed Mark with both "US" and "C" identifiers signifying that the VQES model complies with both UL and CSA product safety standard.

## Model VQES ADVANTAGES

### Ultra Silent

- Minimum sones: 0.3

### Durable/Dependable

- 2-year warranty
- Rust proof, galvanized steel body
- Permanent lubricated motor engineered for continuous operation
- Built-in overload on motor

### Easy Installation

- Adjustable mounting brackets up to 24"
- Fan/motor unit easily detaches from casing
- Quick plug-ins for optional accessories
- Mounting plate

### Energy Saver

- Energy efficient motor
- Energy Star Certified (excludes 50 Hz Models)
- 6" Duct connector for superior performance

### Other Features

- Low profile
- Built-in damper to prevent back draft
- ETL Listed for tub/shower enclosure when used with GFCI branch circuit wiring
- Torsion spring clips for grille mounting
- White polymeric grille

### Model Descriptions

- **ES** - Energy Star Rated
- **BVIW** - Best Value Interior Wall Mountable
- **ESM** - Energy Star with Mounted Speed Controller

*Note: 50 Hz models are not Energy Star Rated*

## Model VQES PERFORMANCE

| Model Number    | VQ050BVIW | VQ080ESa |     | VQ090ESa, VQ090ESMa |     | VQ110ES, VQ110ESM |     | VQ120ES VQ120ESM |     | VQ150ES, VQ150ESM |     |
|-----------------|-----------|----------|-----|---------------------|-----|-------------------|-----|------------------|-----|-------------------|-----|
| Static Pressure | .1        | .1       | .25 | .1                  | .25 | 0.1               | .25 | .1               | .25 | .1                | .25 |
| Air Volume      | 50        | 80       | 48  | 90                  | 73  | 110               | 87  | 120              | 105 | 150               | 136 |
| Noise           | 3.4       | 0.3      | N/A | 0.3                 | N/A | 0.6               | N/A | 1.2              | N/A | 1.1               | N/A |
| Fan Watts       | 48W       | 30W      |     | 32W                 |     | 36W               |     | 37W              |     | 41W               |     |
| Duct Diameter   | 3"        | 6"       |     | 6"                  |     |                   |     |                  |     |                   |     |
| Power Rating    | 120/1/60  |          |     |                     |     |                   |     |                  |     |                   |     |



# Model VQES

## ACCESSORIES



### Polymeric Grille with Light & Night Light

Attractive grille with a complete light assembly and night light incorporated into a unique design that adds flexibility while reducing inventory. 24 watt fluorescent bulb socket and 4 watt night light socket. Lights not included. The tough Polymeric Resin grille is known for its durability and long life. Torsion spring clips make mounting quick and easy.

(Not available on VQ050BVIW and 50 Hz models)



### Aluminum and Steel Grilles

Low profile grilles are elegant and maintain simplicity. Available in 27 ga. aluminum (aluminum finish) or 22 ga. steel (white finish). Torsion spring clips make mounting quick and easy.

(Not available on VQ050BVIW)



### Motion Sensor with Polymeric Grille

Low profile, motion sensing grille with LED motion indicator and LED night light. Turns fan ON when motion sensor is activated. Fan runs for pre-determined time, adjustable from 3 to 30 minutes. The tough Polymeric Resin grille is known for its durability and long life. Torsion spring clips make mounting quick and easy.

(Not available on VQ050BVIW and 50 Hz models)



### Speed Control

Internally mountable speed control provides operation from 100% capacity down to 50% capacity for energy conservation and quieter operation. Shipped loose for field installation, mounted inside fan with (2) 1/4" screws (provided) using #2 Phillips screwdriver. Adjust speed with a #00 Phillips screwdriver. Easy plug-in connection for trouble-free installation.

(Mounted on Models VQ090ESMa - VQ110ESM-150ESM)

(Not available on VQ050BVIW)



### Humidity Sensor

Sophisticated humidity sensor that responds to increases in humidity levels at the ceiling. Fan runs for pre-determined time, adjustable from 5 to 60 min. Shipped loose for field installation, mounted inside fan with (2) 1/4" screws (provided) using #2 Phillips screwdriver. Adjust timer and sensitivity with a #00 Phillips screwdriver. Easy plug-in connection for trouble-free installation.

(Not available on VQ050BVIW and 50 Hz models)



### Bulb Adapter

Self locking E27 to GU24 bulb converter. Accepts all 24 base bulbs which meet California's Title 24.

# Model VQES CERTIFICATIONS



## What is HVI Certification?

HVI Certification is your assurance that the air flow (CFM rate) and noise level (sone) of our ventilation products were measured by means of rigorous testing conducted by an independent laboratory.

HVI certification guarantees that:

- You are purchasing a product that has been tested and certified to meet specific industry standards
- When installed correctly, you will enjoy proper ventilation that will maximize your indoor air quality
- The certified air flow and noise level ratings have been verified through testing by HVI's independent laboratory
- Excludes 50 Hz models



## What makes a product ENERGY STAR?

Energy Star helps protect the environment and save money through energy efficient products and practices developed through the combined efforts of the U.S. Environmental Protection Agency and the U.S. Department of Energy.

ENERGY STAR products:

- Use lower energy, saving money on your electric bill
- Protect the environment by reducing harmful emissions yielded by power plants
- Provide the features and quality expected
- Excludes 50 Hz models



## ETL Listed Mark vs UL Listed Mark?

Both ETL and UL Listed Marks authenticate that the product has been independently tested by a Nationally Recognized Testing Laboratory (NRTL) and that it has met the minimum requirements of widely accepted product safety standards.

ETL Listed Mark Advantages:

- Recognized and accepted by inspectors and authorities having jurisdiction
- Featured on millions of products sold by major retailers
- OSHA Recognized NRTL

# Model VQES versus Model VQ

## PERFORMANCE COMPARISON CHART

| Model               | Duct Size | CFM | SP (in wg) | Sones | Watts | CFM/Watt | ENERGY STAR ® | Housing Dimensions |         |         |
|---------------------|-----------|-----|------------|-------|-------|----------|---------------|--------------------|---------|---------|
|                     |           |     |            |       |       |          |               | W                  | L       | H       |
| VQ050BVIW           | 3"        | 50  | 0.1        | 3.4   | 48    | 0.9      | —             | 7 1/2"             | 7 1/4"  | 3 5/8"  |
| VQ050               | 3"        | 49  | 0.1        | 4.4   | 48    | 0.9      | —             | 7 1/2"             | 7 1/4"  | 3 5/8"  |
| VQ080ESa            | 6"        | 80  | 0.1        | 0.3   | 30    | 2.6      | ★             | 11 3/8"            | 10 1/2" | 7 5/8"  |
| VQ080               | 4"        | 80  | 0.1        | 2.7   | 48    | 1.7      | —             | 8 1/4"             | 8"      | 5 3/4"  |
| VQ090ESa, VQ090ESMa | 6"        | 90  | 0.1        | 0.3   | 32    | 2.8      | ★             | 11 3/8"            | 10 1/2" | 7 5/8"  |
| VQ100               | 6"        | 90  | 0.1        | 0.5   | 77    | 1.2      | —             | 12 1/4"            | 12 1/4" | 11 3/4" |
| VQ110ES, VQ110ESM   | 6"        | 110 | 0.1        | 0.6   | 36    | 3.1      | ★             | 11 3/8"            | 10 1/2" | 7 5/8"  |
| VQ100               | 6"        | 110 | 0.1        | 0.8   | 77    | 1.4      | —             | 12 1/4"            | 12 1/4" | 11 3/4" |
| VQ120ES, VQ120ESM   | 6"        | 120 | 0.1        | 1.2   | 37    | 3.2      | ★             | 11 3/8"            | 10 1/2" | 7 5/8"  |
| VQ100               | 6"        | 120 | 0.1        | 0.8   | 77    | 1.6      | —             | 12 1/4"            | 12 1/4" | 11 3/4" |
| VQ150ES, VQ150ESM   | 6"        | 150 | 0.1        | 1.1   | 41    | 3.7      | ★             | 11 3/8"            | 10 1/2" | 7 5/8"  |
| VQ150               | 6"        | 150 | 0.1        | 1.3   | 102   | 1.5      | —             | 12 1/4"            | 12 1/4" | 11 3/4" |

LIMITED WARRANTY Acme Engineering and Manufacturing Corporation extends this limited warranty to the original purchaser and warrants that products described herein shall be free from original defects in workmanship and materials for two years from date of shipment provided same have been properly handled, stored, installed, serviced, maintained and operated. THIS WARRANTY DOES NOT EXTEND TO FLUORESCENT LAMP STARTERS AND TUBES. Refer to Form MS149 for complete limited warranty terms and conditions. This form is available to anyone at [www.acmefan.com](http://www.acmefan.com). The Company's warranty is in lieu of all other warranties, express or implied, arising by law or otherwise, including without limitation the implied warranties of merchantability and fitness for a particular purpose, which are hereby expressly disclaimed and waived.

Acme products are designed and manufactured to provide reliable performance but they are not guaranteed to be 100% free of defects. Even reliable products will experience occasional failures and this possibility should be recognized by the Purchaser and End User. If these products are used in a life support ventilation system where failure could result in loss or injury, the Purchaser and End User should provide

adequate back-up ventilation, supplementary natural ventilation or failure alarm system, or acknowledge willingness to accept the risk of such loss or injury. WARNING DO NOT use in HAZARDOUS ENVIRONMENTS where fans electrical system could provide ignition to combustible or flammable materials unless unit is specifically built for hazardous environments. Comply with all local and national safety codes including the National Electrical Code (NEC) and National Fire Protection Act (NFPA). Guards must be installed when fan is within reach of personnel or within eight (8) feet (2.5 m) of working level or when deemed advisable for safety.

DISCLAIMER The Company has made a diligent effort to illustrate and describe the products in this literature accurately; however, such illustrations and descriptions are for the sole purpose of identification, and do not express or imply a warranty that the products are merchantable, or fit for a particular purpose.

INDEMNITY Purchaser acknowledges various warnings by the Company regarding the products and its installation and use. If the Company incurs any claims, lawsuits, settlements, or expenses (including attorney fees) for any loss, injury, death or property damage including, but not limited to, claims arising out of the Purchasers or any end users installation or use of the products, the Purchaser shall indemnify and hold the Company harmless.



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