

Unit Ventilators (UVNT)

The Air-Conditioning, Heating, and Refrigeration Institute's (AHRI) UVNT program certifies the performance of factory-made ventilators of all sizes. These products provide some of the functions of heating and cooling, but their primary purpose is to provide air flow.

The AHRI Certification program is administered and governed by AHRI, which ensures that various types of heating, ventilation, air conditioning, refrigeration, and water heating products perform according to manufacturers' published claims. Products that are certified through the AHRI Certification Program are continuously tested by an independent third-party laboratory, contracted by AHRI, to determine the product's ability to conform to one or more product rating standards or specifications.

Program Scope:

The certification program includes Unit Ventilators with outside air ventilation and return air dampers capable of providing ventilation air of at least 80% of rated Standard Air Flow with the capability of providing any combination of these functions: humidity control, circulation, heating or cooling and filtering of air. Humidity control, heating or cooling, supplementary to the ventilation air, may be remote or an integral part of the unit. The equipment is designed for free delivery of air but may be applied with minimal duct work having a static resilience not greater than 0.50 in of water [125 Pa]. The unit ventilator can be either vertical floor standing or horizontally mounted in or adjacent to the space it serves and is generally provided with air capacities of 3000 cfm [1416 L/s] or less.

Certified Ratings:

The following certification program ratings are verified by test:

- Total cooling capacities, Btu/h[W]
- Sensible cooling capacity, Btu/h[W]
- Power input, Watts, [W]
- Insulation efficiency [pass/fail]
- Low voltage start [pass/fail]
- Standard air flow, %
- Ventilation air flow, SCFM

Related Standard

- AHRI/ANSI Standard 840-1998, *Standard for Unit Ventilators*



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