

Unit Coolers

Certification Program

AHRI is the world's most trusted source of performance certified heating, cooling, ventilation and commercial refrigeration equipment and components. Only products that have passed AHRI's rigorous third-party testing can display the AHRI Certified mark. Find certified products at www.ahridirectory.org.



Related Standard

Products in the Unit Coolers certification program are tested to AHRI Standard 420(I-P)/421 (SI), *Performance Rating of Forced-circulation Free-delivery Unit Coolers for Refrigeration*.

Program Scope

This program applies to production models of unit coolers, as defined below, and meet the following criteria:

- Use refrigerant R-717 for DX and/or liquid overfeed coils;
- Aluminum fin material;
- Single vertical coil;
- Horizontal only air flow direction (the air flows to or from the inlet face of the coil from or to the fan inlet, with no change in direction); and
- Axial fans only.

Forced-circulation free-delivery unit coolers for refrigeration (unit coolers): A factory made assembly including means for forced air circulation and elements by which heat is transferred from air to refrigerant without any element external to the cooler imposing air resistance. These may also be referred to as Air coolers, cooling units, air units or evaporators. Unit coolers utilize a volatile refrigerant fed by either direct expansion or liquid overfeed with ratings based on wet and/or dry conditions.

Certified Ratings

- Rated power, W or hp; and
- Gross total cooling effect, Btu/h.

Visit www.ahridirectory.org

Contact
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for more information.

In the Asia Pacific region, please contact
Bridge Xue at bxue@ahrinet.org or 138 1043 2200.



The **AHRI Certification Program** is a voluntary program, administered and governed by the Air-Conditioning, Heating, and Refrigeration Institute (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 Product Performance Certification Program are continuously tested, at the direction of AHRI, 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.