Ascend™ Air-Cooled Chillers
An unbeatable combination of high-energy efficiency and quiet performance.

Trane model ACR air-cooled chillers deliver an industry leading combination of part-load and full-load efficiencies, while offering multiple sound reduction options for noise sensitive installations. No other air-cooled chiller delivers this level of efficiency and acoustic performance, making the ACR chiller the perfect solution for your building.

Industry-leading efficiency with no need to compromise
Other air-cooled chillers can deliver good part-load efficiency, but often at the cost of full-load operation. ACR chillers use advanced technologies to deliver an unbeatable combination of efficiency under all operating conditions to lower utility bills and save money.

Sound solutions for quiet cooling
HVAC system noise levels can vary widely. Excessive noise can impact the performance, productivity and overall satisfaction of building occupants as well as occupants of neighboring structures. That is why quiet operation is designed into every ACR air-cooled chiller, and different levels of InvisiSound® acoustic reduction treatments are available to give you the flexibility to meet specific application needs.

Advanced features to serve advanced applications
ACR chillers are designed for easy integration with facilities that have specialized requirements.

- **Rapid Restart™** capability—After a power interruption, ACR chillers can quickly regain full operational capacity, so mission-critical applications can continue with minimal interruption.
- **Optional harmonic filtration system**—A matrix filter design provides the harmonic solution to meet the requirements of IEEE® 519, reducing harmonic distortion to 5% or less total demand distortion (TDD).

Model ACR
150–300 tons

Innovation at Work
Building on over 40 years of experience designing air-cooled chillers, Trane engineers brought innovation and knowledge to every component used in the ACR air-cooled chiller. The result: reduced energy consumption, improved system flexibility and performance, and the lowest sound levels — all while delivering improved reliability and lower maintenance requirements.

Ultimate control under all conditions
Trane controls offer performance and efficiency advantages that other controls simply can’t match. The Tracer UC™800 provides the intelligence behind the ACR chiller and features Adaptive Control™ algorithms—proprietary control strategies that respond to a variety of conditions to maintain efficient chiller plant operation.
Easier, less frequent maintenance

ACR chillers have low maintenance requirements—and are designed to make those maintenance duties easier and less frequent.

- Maintenance-free, long-life motors—ACR chillers’ compressor and condenser fans are powered by variable speed, permanent magnet motors that require no periodic maintenance and are designed for exceptionally long operational life.
- Transverse “open V” design condenser coils—This design allows easier cleaning of the condenser coils from the inside out, to keep the coils and the chiller properly functioning.
- Exclusive Adaptive Frequency drive—The Trane® Adaptive Frequency drive is fluid-cooled and is engineered to last the life of the chiller.
- Trane Intelligent Services enabled—ACR chillers can be remotely monitored by Trane Intelligent Services (TIS) 24 hours a day.

General Data

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<th>IPLV EER</th>
<th>Operating Weight (lb)</th>
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Weight and dimension can change depending on options selected.
2 pass evaporator.

Service Clearances - NO OBSTRUCTIONS ABOVE UNIT

Notes:
1. A full 40 inches clearance is required in front of the control panel. Must be measured from front of panel, not end of unit base.
2. Clearance of 85 inches on the side of the unit is required for coil replacement. Preferred side for coil replacement is shown (left side of the unit, facing control panel), however, either side is acceptable.

Ingersoll Rand (NYSE:IR) advances the quality of life by creating comfortable, sustainable and efficient environments. Our people and our family of brands—including Club Car®, Ingersoll Rand®, Thermo King® and Trane®—work together to enhance the quality and comfort of air in homes and buildings; transport and protect food and perishables; and increase industrial productivity and efficiency. We are a $14 billion global business committed to a world of sustainable progress and enduring results.