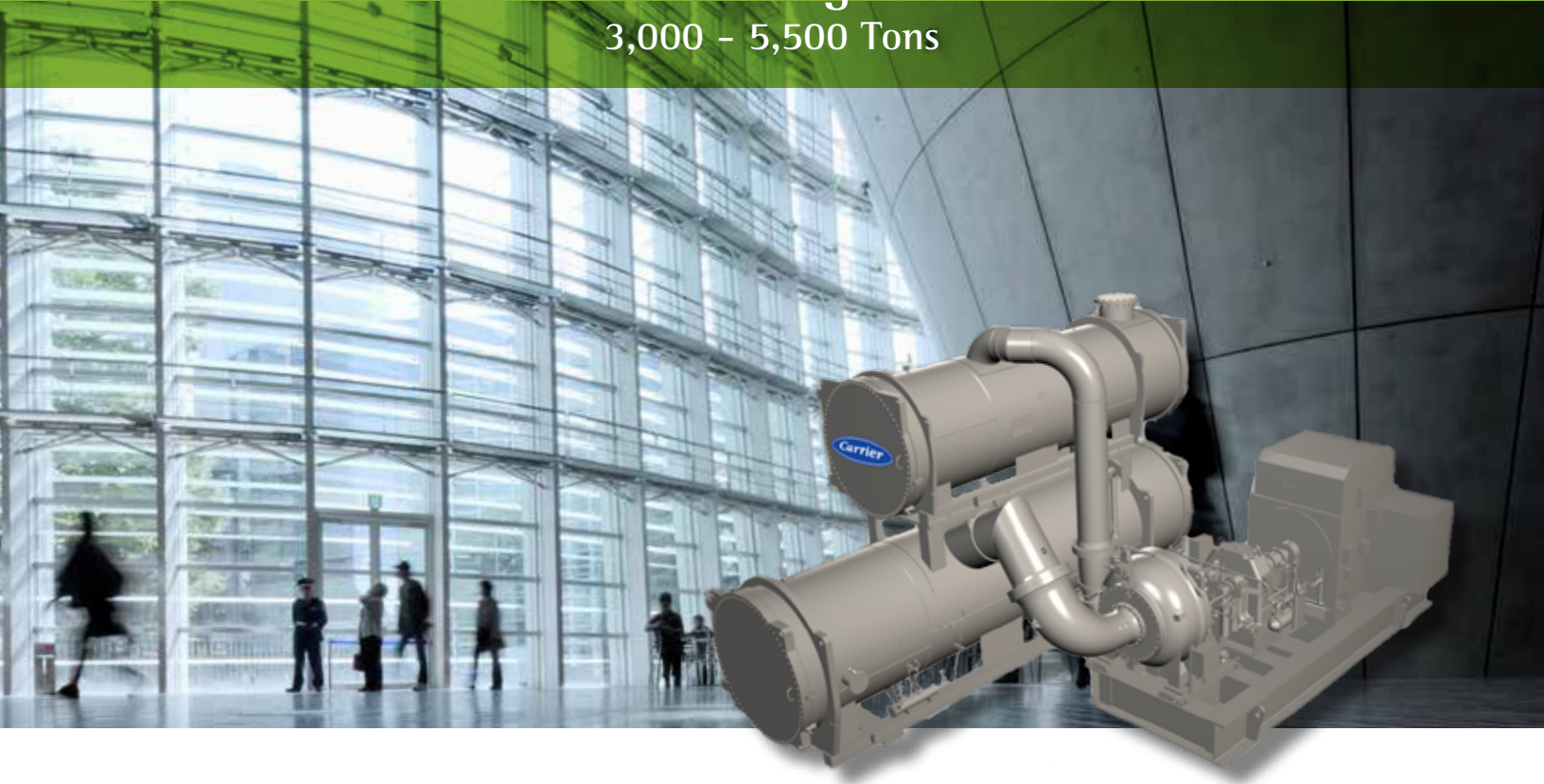




17DA Centrifugal Chiller 3,000 - 5,500 Tons



Carrier's 17DA Centrifugal Chiller... Engineering Excellence. Timeless Design.

The Standard for High Capacity Applications

For over five decades, Carrier's 17DA centrifugal chillers have been the equipment of choice for large tonnage (3,000-5,500) applications where performance and energy efficiency are prerequisites. They're specified for municipal chilled water plants, high-rise complexes, campuses, airports and industrial process applications worldwide.

The success of the 17DA is attributed to the inherent design characteristics that deliver substantial operating cost savings to its owners — in both the energy consumption and maintenance arenas.



The Carrier 17DA Centrifugal Chiller's efficiency and performance make it ideal for a wide variety of large tonnage applications.

17DA Centrifugal Chiller... Engineering Excellence. Timeless Design.

With extensive experience in large capacity installations, the experts at Carrier utilize software that will help you easily design a 17DA to precisely match your specifications. All operational criteria of the unit, including compressor size, drive selection, variable speed drive (VSD), heat exchanger, flow rates, temperature rise conditions and interconnecting lubrication piping are thoroughly reviewed and analyzed.

Each unit is custom-built to ASME and Carrier Corporation's exacting quality manufacturing standards — complete with full documentation — before shipment from Carrier's Charlotte, North Carolina chiller factory.

17DA Design Features

Carrier's 17DA has a wide variety of energy-saving features that are unmatched in the industry:

- **Open Drive Design**

Offers the flexibility to choose electric motor or steam turbine (whichever proves to be the most economical for your specific installation's locale) as a drive source.

- **Advanced Compressor Design**

Incorporates variable inlet guide vanes and a diffuser ring, which act together to control the flow of refrigerant through the 17DA's single-stage, high-efficiency shrouded impeller. This feature delivers optimum performance and efficiency across a wide range of operating conditions without the need for hot gas bypass.

- **Atmospheric Lubrication System**

Delivers the lowest possible maintenance costs by allowing bearing inspection without any compressor disassembly, refrigerant piping removal or refrigerant transfer.



- **Iso-Carbon Seal**

Contains only three wearing parts, allows for easy access servicing and prevents refrigerant loss during shutdown.

- **Heat Exchanger Flexibility**

Offered in length and size of vessels; tube material and thickness; and pass arrangement allow for custom-engineered fit to project requirements for optimum performance.



Carrier