



Series E™ CenTraVac™ Centrifugal Chillers

SERIES E™ CenTraVac™ CHILLERS



Highest efficiency



- Exceeding 10 percent more efficient than any other centrifugal chiller design
 - Direct drive compressor provides 2 to 3 percent better efficiency
 - Multi-stage design with integrated flash economizer drives 5 to 7 percent better cycle efficiency
- The industry's most efficient, low pressure, next-generation, low-GWP refrigerant.
- Duplex™ chiller design utilizing series counterflow arrangement provides the industry's highest efficiency for large tonnage applications

Environmental stewardship



- Near-zero global warming potential with R-1233zd(E), a next-generation, low-GWP refrigerant that is one of the few non-flammable olefin options available today
- Low pressure, leak-tight design keeps refrigerant inside the chiller
- Patented EarthWise™ purge auto-regeneration cycle reclaims refrigerant for return to the refrigerant cycle
- Energy saving options reduce water and heating plant consumption

Most reliable



- Unmatched direct drive compressor reliability through simplicity of design and fewer moving parts
- Semi-hermetically sealed motors operate in a cool, clean environment to extend the life of the chiller
- Tracer AdaptiView™ controller with patented algorithms anticipate and correct situations to keep the chiller online
- Extensive factory testing available to verify operation at customer-defined conditions

Proven technology

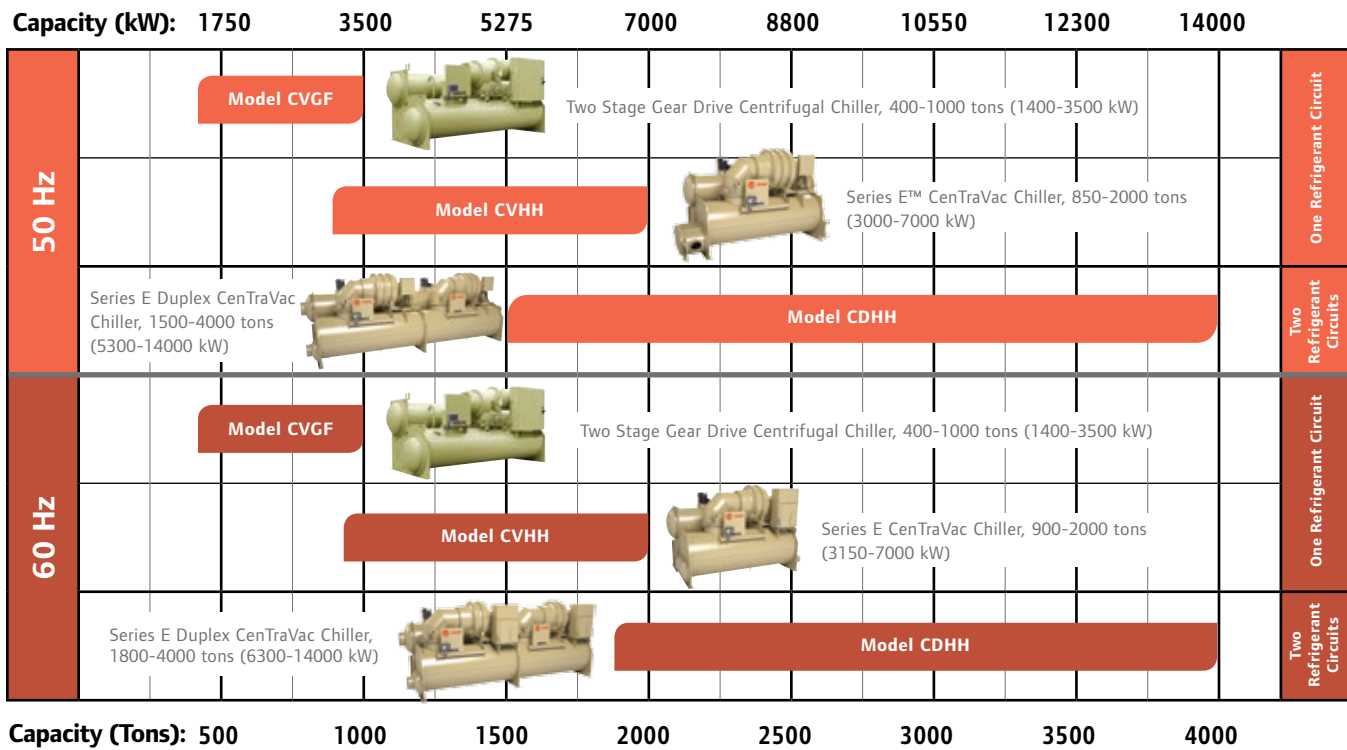


- Multi-stage compressor for stable operation under all conditions
- Trane evaporator technology reduces the refrigerant charge
- Fourth generation microprocessor controller enables the chiller to quickly respond to real world conditions
- Energy saving options such as free cooling, thermal storage, heat recovery, heat pump and Adaptive Frequency™ drives

Then. Now. Always.

The Series E CenTraVac chiller is only available in select markets.

Trane Centrifugal Chiller Product Portfolio



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 global business committed to a world of sustainable progress and enduring results.