

# Series E™ CenTraVac™ Centrifugal 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<sup>™</sup> controller with patented algorithms anticipate and correct situations to keep the chiller online
- Extensive factory testing available to verify operation at customer-defined conditions

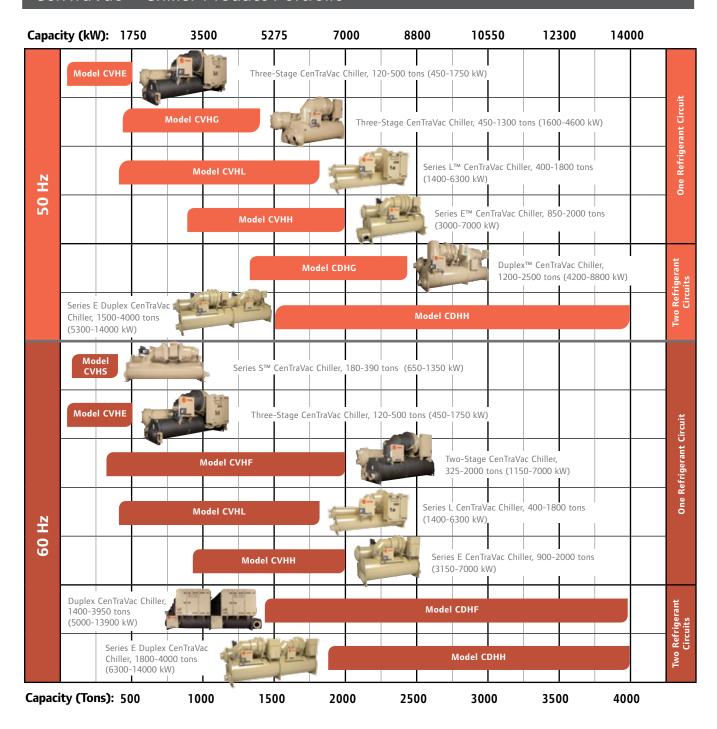
#### Proven technology



- · 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.

# CenTraVac™ Chiller Product Portfolio





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