



# 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.

# CenTraVac™ Chiller Product Portfolio

|   |   | Capacity (kW): 1750   |  | 3500 |  | 5275 |  | 7000 |  | 8800 |  | 10550 |  | 12300 |  | 14000 |                          |                         |
|---|---|---|--|------|--|------|--|------|--|------|--|-------|--|-------|--|-------|--------------------------|-------------------------|
| 50 Hz   | Model CVHE  | Three-Stage CenTraVac Chiller, 120-500 tons (450-1750 kW)   |  |      |  |      |  |      |  |      |  |       |  |       |  |       |                          | One Refrigerant Circuit |
|   | Model CVHG  | Three-Stage CenTraVac Chiller, 450-1300 tons (1600-4600 kW) |  |      |  |      |  |      |  |      |  |       |  |       |  |       |                          |                         |
|   | Model CVHL  | Series L™ CenTraVac Chiller, 400-1800 tons (1400-6300 kW)   |  |      |  |      |  |      |  |      |  |       |  |       |  |       |                          |                         |
|   | Model CVHH  | Series E™ CenTraVac Chiller, 850-2000 tons (3000-7000 kW)   |  |      |  |      |  |      |  |      |  |       |  |       |  |       |                          |                         |
|   | Model CDHG  | Duplex™ CenTraVac Chiller, 1200-2500 tons (4200-8800 kW)    |  |      |  |      |  |      |  |      |  |       |  |       |  |       |                          |                         |
|   | Series E Duplex CenTraVac Chiller, 1500-4000 tons (5300-14000 kW) | Model CDHH  |  |      |  |      |  |      |  |      |  |       |  |       |  |       |                          |                         |
| 60 Hz   | Model CVHS  | Series S™ CenTraVac Chiller, 180-390 tons (650-1350 kW)     |  |      |  |      |  |      |  |      |  |       |  |       |  |       |                          | One Refrigerant Circuit |
|   | Model CVHE  | Three-Stage CenTraVac Chiller, 120-500 tons (450-1750 kW)   |  |      |  |      |  |      |  |      |  |       |  |       |  |       |                          |                         |
|   | Model CVHF  | Two-Stage CenTraVac Chiller, 325-2000 tons (1150-7000 kW)   |  |      |  |      |  |      |  |      |  |       |  |       |  |       |                          |                         |
|   | Model CVHL  | Series L CenTraVac Chiller, 400-1800 tons (1400-6300 kW)    |  |      |  |      |  |      |  |      |  |       |  |       |  |       |                          |                         |
|   | Model CVHH  | Series E CenTraVac Chiller, 900-2000 tons (3150-7000 kW)    |  |      |  |      |  |      |  |      |  |       |  |       |  |       |                          |                         |
|   | Duplex CenTraVac Chiller, 1400-3950 tons (5000-13900 kW)          | Model CDHF  |  |      |  |      |  |      |  |      |  |       |  |       |  |       |                          |                         |
| Series E Duplex CenTraVac Chiller, 1800-4000 tons (6300-14000 kW) | Model CDHH  |   |  |      |  |      |  |      |  |      |  |       |  |       |  |       | Two Refrigerant Circuits |                         |
|   |   |   |  |      |  |      |  |      |  |      |  |       |  |       |  |       |                          |                         |
|   |   | Capacity (Tons): 500  |  | 1000 |  | 1500 |  | 2000 |  | 2500 |  | 3000  |  | 3500  |  | 4000  |                          |                         |



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