



Series E™ CenTraVac™ CVHH/CDHH Water-Cooled Chillers

Cooling capacity: 3000-14000 kW



TRANE
TECHNOLOGIES

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At a Glance:

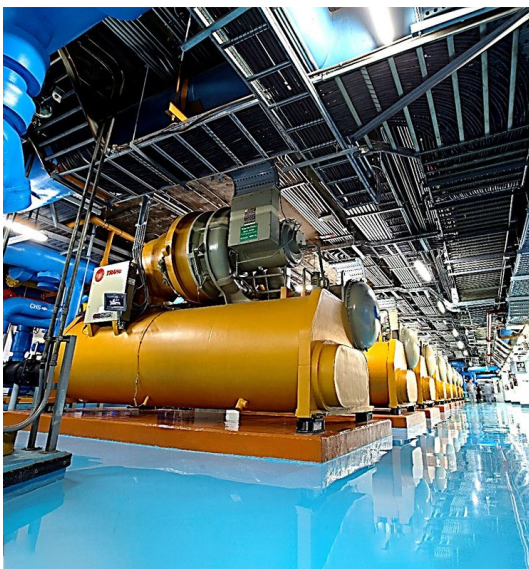
- Direct drive multistage compressors
- Semi-hermetic compressor design
- Rapid restart after power failure
- Economizer
- Tracer AdaptiView™ Controls



Highest Efficiency

Proven design of compressor in conjunction with use of low pressure refrigerant R1233zd(E) and standard fitted economizer provide market-leading efficiencies:

- 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



Most reliable

For the last 80 years, Trane has been building centrifugal chillers with design fundamentals and proven technology. Trane centrifugal compressors achieve the industry's highest design reliability rating of 99.7 percent:

- 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



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: free cooling, thermal storage, heat recovery, heat pump and Adaptive Frequency™ drives

Range description

- As with all CenTraVac™ chillers, selection options ensure units are built to customer's specific requirements. From energy saving options to the enhanced electrical package and a variety of low and medium voltage options, a Trane chiller will be customized to your needs.
- CVHH Single circuit / Single compressor — CDHH Double circuit / Double compressor
Direct drive multistage compressors

Technical specifications

Unit type Water-to-water

Operating mode Cooling only

Cooling capacity 3000-14000 kW

Heating capacity -----

Eurovent certification

ErP Certification	
Refrigerants	R1233zd
Energy saving	Heat recovery Free cooling
Compressor	Centrifugal
Data protocols	Lonmark Bacnet Modbus

Trane, leaders in HVAC technology, services and energy solutions.

Our mission is to get it right for our customers and the climate.

Innovative thermal management systems

For all commercial and industrial applications, we offer a broad portfolio of HVAC solutions including heat pumps, chillers, multi-pipe units, packaged rooftops, air handling units and water terminals.

Partner with Trane



Lifecycle Management

From start-up services to full turn-key solutions, all the way to disposal and recycling.



Modernize and optimize

A wide array of solutions to ensure your HVAC equipment is always running at its peak performance, including technology upgrades.



Digital Services

Avoid unexpected cost and downtime thanks to Trane's connected service agreements.



Rental Services

An extensive and modern fleet, for short and long-term rental. Contact our experts for a quote:
rent-trane.com

Trane has a policy of continuous product and product data improvement and reserves the right to change design and specifications without notice.



TRANE

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