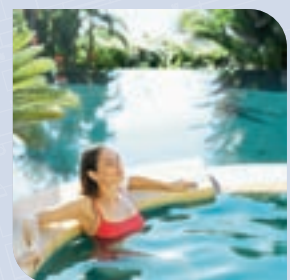




HIGH-EFFICIENCY

HIGH-EFFICIENCY THAT'S BUILT-TO-LAST

RTWD 200 – 800 kW water-cooled chiller



EXPERIENCE YOU CAN DEPEND ON

HIGH-EFFICIENCY

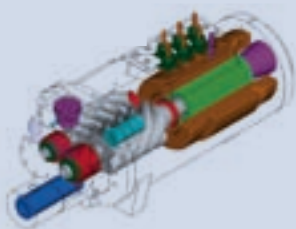
Efficiency has always been important. Now, with steadily rising energy prices and the desire to be environmentally responsible, it is essential. That's why Trane has mobilized its considerable experience in water-cooled chillers to bring you the new Series R® RTWD: a third generation chiller that packs a remarkable Energy Efficiency Rating (EER) of 5.6. How can the chiller reach such exceptionally high ratings? It's mainly thanks to Trane's superior design and the patented Falling Film evaporator technology – a technology that is advanced but also simple, and avoids the use of complex economizer cycles.

BUILT-TO-LAST

We've also used our experience to build in reliability, so your building users can benefit from the utmost of trouble-free operation throughout the entire life-cycle. Firstly, the RTWD is based on the experience gained from two previous chiller generations. Tens of thousands of which have been successfully deployed across the globe. Also, in developing the new RTWD chiller, we have conducted accelerated life-cycle testing to simulate thousands of hours of operation on the compressor, enabling us to optimize the design, offer the

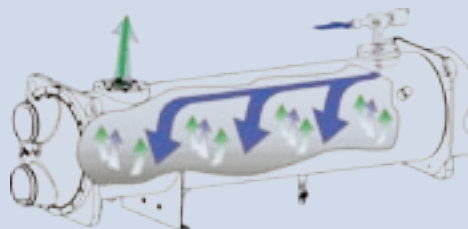
TRANE'S EXCELLENCE SHOWS – ALL THE WAY FROM THE CHILLER

RELIABILITY

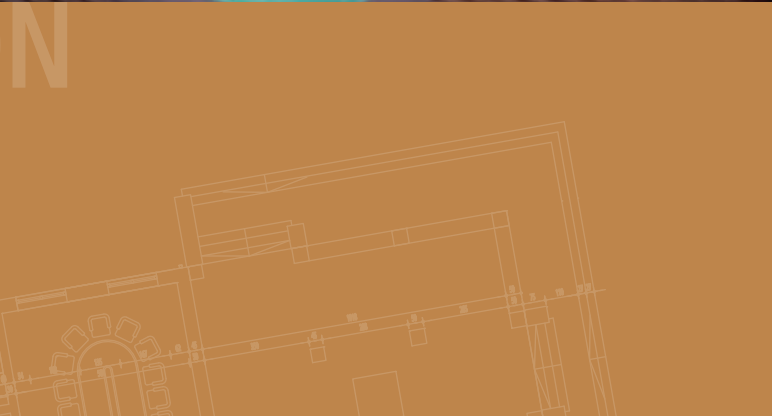


This compressor has an unequalled reliability rate of 99.5% in the first year of operation. Also, it easily handles applications that require high condensing temperatures.

EFFICIENCY



Unique, patented evaporator design helps achieve high efficiencies of up to 5.6 EER (Energy Efficiency Ratio).



highest reliability possible, and fine-tune its performance. The result includes a state-of-the-art direct drive compressor that uses fewer moving parts than any gear-driven device. And fewer moving parts mean less wear, and more trouble-free operation.

CHILLED WATER - ALWAYS

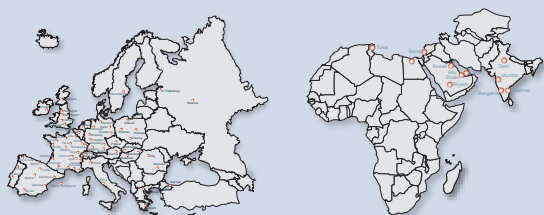
The RTWD incorporates a double circuit – a valued back-up system to ensure you have a continuous supply of chilled water.

APPLICATION VERSATILITY

For both new and renovation/retrofit installations, in addition to standard operation, RTWD can operate with a dry cooler and in heat pump or heat recovery applications. This means reduced energy consumption (of a boiler, for example) or minimized risk of contamination of the condenser loop, and better overall building efficiency.

TO THE COMPLETE SOLUTION

SERVICE



Benefit from our 130 sales offices across the Europe-Middle East-Africa-India region staffed by the industry's most experienced engineers and technicians.

FULL INTEGRATION



Our building management experts help you attain substantial savings.



ALL ESSENTIALS FROM ONE MANUFACTURER

Unlike other chiller suppliers, who assemble systems from a range of manufacturers, Trane designs and manufactures all of the essential components, including the compressor, exchanger, and controls. This ensures that Trane's rigorous quality control procedures are applied at every stage, and that these crucial components work perfectly as a complete system.

RTWD WATER-COOLED CHILLER

1 EASY INSTALLATION

- Single connections: one for electric and one for control.
- Run-tested before leaving the factory, which leads to faster commissioning.
- One-piece compact unit – narrow enough to fit through a standard door.

2 MINIMIZED RUNNING COSTS

- Trane's advanced "Falling Film" cleanable evaporator technology – patented by Trane and available only in Trane systems. It uses significantly less refrigerant than that of a similar-sized chiller of flooded evaporator design, so it offers better heat transfer and more overall energy efficiency.
- Precise Adaptive Control™. Temperature is controlled to within $\pm 0.3^{\circ}\text{C}$ and operation is continuously adapted to the exact need for chilled water.

3 MAINTENANCE AND SERVICEABILITY

- Safe and easy access to all main components.
- Reduced cost of ownership through Trane's unique service offering.

4 RELIABILITY

- Trane's helical-rotary compressors give you very high reliability over a wide operating range. That's because they are low-speed, direct-drive, and have only three moving parts.
- Robust "built-to-last" unit design of industrial type quality.
- Unlike other chillers that shut down in extreme conditions, the Series R® has advanced Adaptive Control™ that can intelligently modulate chiller operation and keep the chiller online.
- Before final run test each chiller is submitted to an extensive series of tests during its assembly. These include:
 - Heat exchanger pressure test.
 - Leak detection on refrigerant circuits.
 - Electrical sequence test.



5 PREPARED FOR THE FUTURE

In reply to the rise of energy consumption concerns and the need to closely monitor installations, Trane has integrated a special “Power Meter” function which lets you see exactly how much power the compressor consuming.

EXPERTISE TO DESIGN AND OPTIMIZE

Whether you need one chiller or several working as a system, you have full visibility of performance at a glance, right from your desk.



When you specify a Trane chiller, you don't just get a top-class product, you also get the expertise to optimize your whole HVAC system. Keeping your total building operating cost to a minimum while maintaining the utmost level of comfort.

Multiple chiller systems

Trane Chiller Plant Control is powerful software with a pre-engineered set of functions. It only requires the input of your installation's specific parameters to pilot the system with high level of optimization

Heating, ventilating and air conditioning systems

Trane chillers, water terminals and air handling equipment come with factory-mounted controllers for integration within a Trane Building Management System.

Building management systems

Tracer Summit™ building management system provides supervision and control through a single, integrated system. Its user-friendly graphical interface, associated with pre-engineered functions and standard communication protocols allows you to efficiently pilot your building performances.

Tracer Summit™ can help you meet your building's temperature, humidity, ventilation and energy management needs, no matter how challenging. High quality, easy-to-use, integrated and reliable controls are the key to maximizing efficiency and to prolonging the life of your building comfort system.



IMIZE



Make certain your HVAC systems are fully optimized and integrated – with our expert services.

PEACE OF MIND WITH SERVICE AND PARTS

At Trane, we are committed to providing full service solutions that are efficient and reliable, just like our equipment.

Elite Start™

Trane equipment is commissioned by technically competent factory trained technicians. Trane commissioning confirms that the system has been not only accurately installed, but also configured and fine-tuned to operate according to your requirements.

Operate and Maintain

To keep your Trane equipment operating at peak efficiency, Trane offers technical expertise (to maintain or repair your system) and the necessary spare parts. Our full range of

HVAC spare parts, both Trane-specific and generic, coupled with our advanced logistics network ensures a quick and reliable service. The result? Even in the rare event of equipment failure, downtime is kept to an absolute minimum.

Upgrade and Improve

To help you conserve energy while maximizing cost saving in your building systems and operations, Trane offers:

Trane Select Contracts tailored to your needs, your business, and your application. They are comprised of several levels of services, ranging from a 24/7 duty to full 'all parts and labor' coverage, including life-cycle management and maintenance.

Trane Care Services to offer a wide range of upgrade products to answer your needs in terms of reliability, energy conservation, and respect of the environment.



HOW DO YOU CHOOSE?

There are hundreds of possible system designs and chiller configurations, and thousands of possible chiller system efficiency levels. How do you possibly narrow the choices and definitively determine the right HVAC system design for your building?

Amazingly, it's quite easy... with Trane's help.

Our System Analyzer™ helps estimate building loads and performs preliminary energy and cost analyses of virtually any building, system, and equipment combination. For LEED certification, TRACE™ 700 (Trane Air Conditioning Economics) software helps analyze the energy and economic effects of virtually any system configuration. It allows you to manipulate a wide range of variables to create a detailed energy usage profile for your specific building. Unlike overly simplified spreadsheet-based energy analyses, TRACE 700 software accurately compares the impact of building alternatives. You can test the effects and consequences of different architectural features, HVAC systems, and building utilization or scheduling scenarios. And you can see the different economic options for each scenario. This enables you to make genuine life-cycle, cost-based system decisions with absolute confidence.

CONTACT US – WE'RE HERE TO HELP

We can help you plan, install and manage your next HVAC system – so you can concentrate on your core business. Our experience and expertise in designing, commissioning and maintaining HVAC systems not only guarantees a solution that best answers your needs, it also gives you complete efficiency and peace of mind.

Call us, let's talk.



www.trane.com

For more information, contact your local Trane office
or e-mail us at comfort@trane.com



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Literature Order Number	RLC-SLB020-E4
Date	0609
New	

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