



City™ RTSF HT High Temperature Water-to-Water Heat Pump



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Heating capacity: 100-370 kW

- Hot water temperatures up to 110°C
- High heating efficiencies at diverse heat sink and source temperatures
- Extra compact footprint: Only 930mm wide
- Ultra low GWP and safety class A1 refrigerant R1233zd(E)



Industrial process heating decarbonization

The City RTSF HT is designed to decarbonize industrial process heating applications that currently rely heavily on fossil fuel boilers. In addition to decarbonizing the primary energy source, the RTSF HT is ideal for capturing and repurposing process waste heat streams, significantly reducing both operational costs and the carbon footprint.

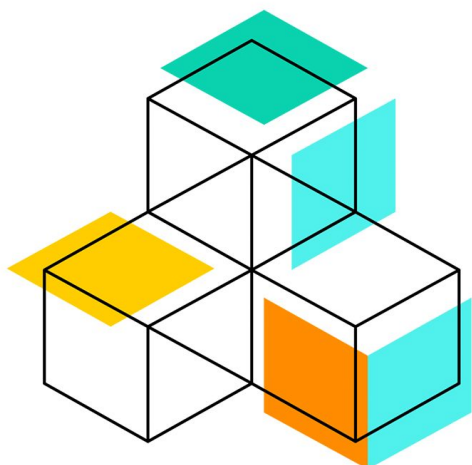
Wide range of applications

RTSF HT is the perfect solution for water-to-water heating applications up to 110°C, including:

- Industrial processes (food and beverage, pharmaceutical, biogas and more)
- District heating and cooling
- Heat recovery from a chiller or refrigeration plant
- Air- or water-sourced cascade heating systems (as the second stage heat pump)

Revolutionizes the high-temperature heat-pump market

The current high-temperature heat-pump market is characterized by custom-made designs and bespoke systems. Trane RTSF HT revolutionizes this market by offering high-quality, industrial scale manufacturing of standard, proven high-performance technologies. These are distributed and serviced by more than 130 Trane sales and service locations in EMEA.





Trane's legacy of continuous innovation

With over 100 years of history in serving and continuously innovating in the thermal systems market, Trane demonstrates its commitment through the RTSF HT. This product exemplifies our dedication to standardizing high-temperature heat pumps up to 110°C. The RTSF HT design features Trane's proprietary screw compressors, the latest Tracer Symbio 800™ controller, and the Trane Adaptive Frequency Drive TR200™.

Range description

- Heating operation from 30°C to 62°C on the heat-source/evaporator side, and up to +110°C on the heat-sink/condenser side. Wide variety of water flow and condenser and evaporator deltaT options.
- Three different unit sizes: 066, 076 and 086 offer high heating efficiencies and capacities up to 370kW (at 80/85°C condenser and 45/40°C evaporator conditions).

Technical specifications

Cooling capacity	-----
Heating capacity	100-370 kW
Eurovent certification	
ErP Certification	●
Refrigerants	R1233zd
Operating mode	Reversible heat pump with gas burner
Energy saving	Adaptive Frequency™ Drive
Compressor	Screw

Improve Operations

Technology is continuously evolving and Trane Engineering is ahead of the curve in bringing innovation into product development. Our sustainable solutions deliver enhancements to the Trane installed base to make your chillers and heat pumps even "better than before". That's Trane Building Advantage - TBA.

Trane Rental Services

Cooling and heating are services, not products. A process or a building does not need a chiller or a boiler sitting on a roof, but a reliable and efficiency supply of cold or hot water, cold or warm air. This is the essence of what we do at Trane Rental Services. Let us take care of it for you.



Read more <https://trane.eu/rental>

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



Trane – by Trane Technologies (NYSE: TT), a global climate innovator – creates comfortable, energy efficient indoor environments through a broad portfolio of heating, ventilating and air conditioning systems and controls, services, parts and supply. For more information, please visit trane.eu or tranetechnologies.com.