



City™ RTSF Water-Cooled Chiller



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Cooling capacity: 180-385 kW

Heating capacity: -----

- 99.5% reliability rate
- Compact and modular: Fits in restricted spaces - 920 mm width only
- Fully optimized for HFO refrigerant R1234ze (<1 GWP). Available with R515B as an alternative
- Wide operating range: from -12°C to 30°C leaving temperature on the evaporator side and from 10°C to 80°C leaving temperature on the condenser side
- Single screw compressor and Adaptive Frequency™ Drive



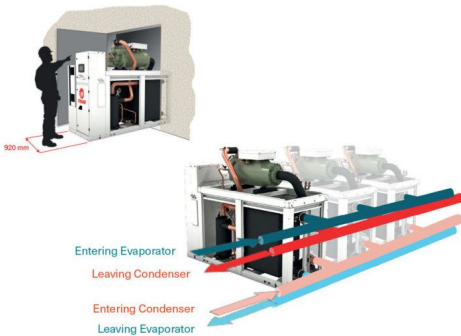
Sustainable and efficient

The City RTSF has been designed to reduce environmental impact. This is a low global warming potential solution with industry leading efficiencies for capacities below 400 kW. The City RTSF features low GWP (<1) R1234ze and carries the EcoWise endorsement.

Compact and modular

Urban environments often make it hard to easily transport large units into, onto or next to buildings. The City has been specially engineered for restricted spaces, and ease of installation.

City's modularity makes it suitable when an extension of capacity becomes required as the building evolves or when the chiller plant is designed with multiple staggered chillers to further improve efficiency.



CITY
COMFORT



District Cooling
District Heating



Office buildings



Hospitality
industry

CITY
PROCESS



Pharmaceutical
industry



Food and
beverage industry



Automotive industry

Wide range of applications

The City chiller satisfies any application and covers a wide spectrum of operating conditions:

- City Comfort prioritizes performance and sustainability. Efficiency is optimized for moderate comfort applications in cooling or heating up to 50°C, or industrial process applications at positive temperatures, with source temperatures from +5°C to +30°C.
- City Process is a highly sustainable solution (GWP < 1) with safe

operation. Efficiency has been optimized for freezing industrial brine process applications. City Process delivers hot water between 10°C and 80°C, with source temperatures from -12°C to +5°C.



Trane expertise and experience

Trane's industry-leading compressor offers direct drive, low speed screw AFD driven for premier efficiency, perfect load matching and unequalled long-lasting reliability.

Range description

- Operating Conditions: Comfort and Process cooling - From -12 to 30°C on the evaporator side and up to +80°C on the condenser side
- City chillers are available in six different cooling capacities with many options and accessories such as the sound attenuation panels (up to -9 dB(A) attenuation)

Technical specifications

Cooling capacity	180-385 kW
Heating capacity	-----
Eurovent certification	●
ErP Certification	●
Refrigerants	R1234ze R515B
Operating mode	Cooling only Heat pump

Energy saving	Adaptive Frequency™ Drive
Compressor	Screw

Product data

RTSF G - Cooling

	P _c (1) kW	EER (1)	SEER (2)	LwO (3) dB(A)	L (4) mm	W (4) mm	H (4) mm	OW (4) kg
RTSF 050 G	176,0	4,65	5,98	83	2240	900	1940	1610
RTSF 060 G	212,0	4,66	6,00	93	2240	900	1940	1675
RTSF 070 G	245,0	4,87	6,53	98	2240	900	1960	1900
RTSF 090 G	295,0	4,88	6,60	98	2240	900	1960	1985
RTSF 100 G	341,0	4,59	6,63	98	2240	900	1960	1985
RTSF 110 G	385,0	4,34	6,43	94	2240	900	1960	1985

P_c: Cooling capacity

LwO: A-weighted sound power level outside

H: Height

EER: Energy Efficiency Ratio (cooling)

L: Length

OW : Operating Weight

SEER: Seasonal Energy Efficiency Ratio

W: Width

(1): Evaporator water temperature in/out 12/7°C - Condenser water temperature in/out 30/35°C (EN 14511:2022)

(2): Ecodesign rating for comfort chillers. Source water temperature in/out 30/35°C and evaporator water temperature in/out 12/7°C. SEER/η_{s,c} as defined in REGULATION (EU) N° 2016/2281 of 20 December 2016

(3): According ISO 9614:2009. Eurovent conditions, with 1pW reference sound power (without accessories)

(4): Basic unit without accessories

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.