



City™ RTSF Water-Cooled Chiller

Cooling capacity: 180-385 kW



TRANE
TECHNOLOGIES

At a Glance:

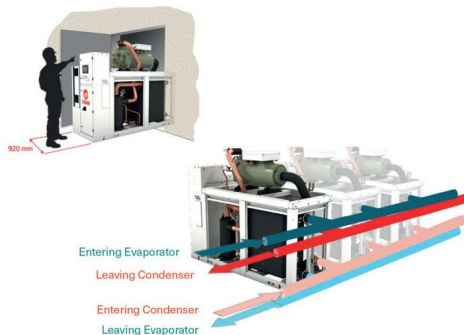
- 99.5% reliability rate
- Compact and modular: Fits in restricted spaces - 920 mm width only
- Fully optimized for HFO refrigerant R1234ze (
- Wide operating range: from -12°C to 30°C leaving temperature on the evaporator side and from 10°C to 80°C leaving temperature on the condenser side
- Single 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 (



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.



District Cooling
District Heating



Office buildings



Hospitality
industry



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

Unit type

Water-to-water

Operating mode	Cooling only Heat pump
Cooling capacity	180-385 kW
Heating capacity	-----
Eurovent certification	
ErP Certification	
Refrigerants	R1234ze R515B
Energy saving	Adaptive Frequency™ Drive
Compressor	Screw
Data protocols	Lonmark Bacnet Modbus

RTSF G - Cooling

	P _c (1) kW	EER (1)	SEER (2)	P _h (3) kW	COP (3)	P _h (4) kW	COP (4)	SCOP (4)	LwO (5) dB(A)	L (6) mm	W (6) mm	H (6) mm	OW (6) kg
RTSF 050 G	176,0	4,65	5,98	186,6	4,40	173,9	3,63	4,63	83	2240	900	1940	1610
RTSF 060 G	212,0	4,66	6,00	223,5	4,40	208,5	3,64	4,70	93	2240	900	1940	1675
RTSF 070 G	245,0	4,87	6,53	260,6	4,60	244,1	3,80	4,88	98	2240	900	1960	1900
RTSF 090 G	295,0	4,88	6,60	313,2	4,57	294,0	3,77	4,93	98	2240	900	1960	1985
RTSF 100 G	341,0	4,59	6,63	371,9	4,42	351,0	3,71	4,99	98	2240	900	1960	1985
RTSF 110 G	385,0	4,34	6,43	428,4	4,25	405,5	3,60	5,08	94	2240	900	1960	1985

P_c: Cooling capacity

P_h: Heating capacity

LwO: A-weighted sound power level outside

H: Height

EER: Energy Efficiency Ratio (cooling)

COP: Coefficient Of Performance (heating)

L: Length

OW : Operating Weight

SEER: Seasonal Energy Efficiency Ratio

SCOP: Seasonal Coefficient Of Performance

W: Width

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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