

# Trane Rental Services Process Cooling

Air-Cooled Industrial Chillers with Scroll Compressors -  
Nominal Cooling Capacity 3-40 Tons



**Trane Rental Services is your all-encompassing business solutions partner. We provide scalable cooling, heating, and power options for all your temporary HVAC needs.**

Many manufacturing and industrial sites require process cooling to remove heat which increases efficiency of production process and operational effectiveness of equipment. Trane has a line of temporary industrial chillers to support our customers ever changing needs.

#### Chiller Features:

- Compact Dimensions
- Plug and Play Package
- Indoor or Outdoor Installation
- Cabinets Designed and Built to UL508A Specifications
- Finned Coil Condenser with Removable Filter for Easy Maintenance
- Variable Speed Condenser Fans on 10-40 Ton Chiller for Low Ambient Operation Down to -4F
- Reliable Scroll Compressor Design Ideal for Critical Process Applications
- Microprocessor Control
- Onboard Integral Pump
- Integral Low Flow Piping Bypass
- Forkliftable Frame with Locking Swivel Casters for Tight-Clearance Maneuverability on 3-15 Ton Chillers
- Innovative Finned Coil Evaporator Resists Fouling and Provides Thermal Buffer for Low-Volume Process Loops



**SCAN ME**

Trane Rental Services is available 24/7 for technical support, quotes, and inquiries regarding availability. With our round-the-clock support, we can also offer shipments on weekends, holidays, and after normal business hours.

**Technical Support, Trouble Shooting,  
24/7 Emergency Dispatch**

**800-755-5115**

General Data								
Trane Model		RSCA0003	RSCA0005	RSCA0007	RSCA0010	RSCA0015	RSCA0020	RSCA0040
Manufacturer Model		031	051	081	0121	0161	351	602
Cooling Capacity <sup>(1)</sup>	Tons	3.21	4.58	7.63	11.67	13.26	22.33	39.94
EER <sup>(1) (7)</sup>	-	8.94	9.02	9.25	9.59	9.08	8.16	9.04
Chiller Water Setpoint Range	14-86° F							
Ambient Operating Range	23-109° F				-4-109° F			

Compressors								
Cooling Circuits	No	1	1	1	1	1	1	2
Compressors	No	1	1	1	1	1	2	4
Capacity Control	%	0-100	0-100	0-100	0-100	0-100	0-50-100	0-25-50-75-100

Electrical <sup>(2)</sup>								
Power	V/Ph/Hz	460/3/60						
MCA	A	12.1	19.5	26.7	42	49.2	80.6	123.7
MOP	A	15	25	40	60	70	110	150
FLA	A	10.4	17	22.4	35.4	41.5	72.9	117.2
Electrical Connections	Leviton IEC Series Pin and Sleeve						16 Series Cam	

Condenser								
Fan Qty	No	1	1	1	2	2	3	2
Nominal Fan Power (ea)	HP	1	1	1.4	1.4	1.4	1.4	3.4

Evaporator								
Water Flow Rate of Pump (min/max) <sup>(3)</sup>	gpm	2.2/21.1	2.2/21.1	11/42.3	11/84.5	15.4/84.5	29/149.7	35.7/233.4
Available Pump Pressure(min/max) <sup>(4)</sup>	psi	44.7/23.8	44.6/26.2	42.6/22.3	42.6/10.7	41.9/6.9	49.2/7.8	39.1/12
Nominal Pump Power	HP	1	1	1.2	3	3	5.4	5.4
Tank Volume	Gal	30.4	30.4	37	67.4	67.4	92.5	132.1
Max System Operating Pressure	PSIG	87						
Water Connections	Size & Type	1.5" Cam					2.5" Victaulic	

Sound Levels <sup>(5)</sup>								
Sound Power	dB (A)	82.6	83.7	83.9	84.2	85.1	88.3	92.3
Compressors	dB (A)	54.6	55.7	55.9	56.2	57.1	60.3	64.3

Dimensions and Installed Weight <sup>(6)</sup>								
Width	Inch	37	37	40.5	40.5	40.5	45.5	61
Length	Inch	70.75	70.75	100	100	100	116	164.5
Height	Inch	72	72	75.5	75.5	75.5	94.25	95.75
Weight	lbs	1278	1318	1733	2116	2170	3228	5548

1. Evaporator water inlet/outlet temperature 55/45 °F. External air temperature 95 °F.

2. Protection Class: IP44 (20 Ton); IP54 (3, 4, 5, 7, 10, 15, 40 Ton)

3. Minimum and maximum water flow pump.

4. Available head pressure at outlet unit at the minimum and maximum water flow rate.

5. Sound power: determined on the basis of measurements taken in accordance with the standard ISO 3744. Sound pressure at 32.8 ft: average value obtained in free field on a reflective surface at a distance of 32.8 ft from the side of the condenser coils and at a height of 5.2 ft from the unit support base. Values with tolerance +/- 2 dB. The sound levels refer to operation of the unit under full load in nominal conditions.

6. Weights and dimensions are subject to change at any time, contact Trane Rental Services for more detailed information if needed.

7. EER [Btu/h]



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