

300 TON AIR-COOLED CHILLER

PA-ACCTR-300

The 300-Ton portable chiller package features a Trane® RTAC chiller unit. Trane® leads the industry in providing some of the most reliable, efficient and quiet chiller units in the marketplace. Trane® RTAC chiller units feature direct-drive, low-speed semi-hermetic compressors, microprocessor control systems, factory installed strainer systems and flow switches. All of these features are key components to keeping your chiller system operating for the long haul.

All portable chiller units are mounted on Heavy-Duty and DOT Approved trailer designs with plenty of storage for chiller accessories that you can count on to last. Trailers are constructed using an all-steel frame with wood decking material with brake options to include: electric, hydraulic or pneumatic packages.



Drawing is a representation and is not to scale. Actual unit may differ in appearance from that shown. Image shown is "cut-away" and actual unit has factory-installed louvers on exterior.

300 TON AIR-COOLED CHILLER FEATURES

- ◆ Single Point Power Connection with Quick Connect Camlok Connections
- ◆ Integrated Circuit Breaker Overcurrent Protection
- ◆ 25 HP/800 GPM Pump Package
- ◆ (2) 50' Suction/Discharge Water Hoses
- ◆ 100' 4/0 Power Cable with Camlok Connections

Call us today! (800)341-4297



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GENERAL

◆ Trane® Chiller Model	RTAC300
◆ Number of fans	18
◆ Number of compressors	6

DIMENSIONS

- ◆ Length with Trailer
- ◆ Width with Trailer
- ◆ Height with Trailer
- ◆ Shipping Weight with Trailer

ELECTRICAL DATA

◆ Power Supply	460v/3ph/700a/60hz
◆ Connections	6" Camlok
◆ Minimum Circuit Ampacity	607a
◆ Min/Max Operational Volts	414v—506v

ADDITIONAL INFORMATION

- ◆ Architectural Louvered Panels

300 TON AIR-COOLED CHILLER



Product Data - Air-Cooled Helical Rotary Water Chillers Item: 300 Ton-D

300 nominal tons	Standard 40-60F leaving, with evaporator heaters
460v/60 hz/3 ph	2 pass arrangement, 0.75" insulation
Standard configuration	Standard ambient temperature range
C/UL listing	Aluminum slit fins
ASHRAE 90.1 all versions compliant	Condenser fans with TEAO motors
AHRI certified	Wye-delta closed transition starter
ASME	Single point power connection
65,000 amp SCWR	Circuit breaker(s) - HACR rated
Refrigerant isolation valves	Factory installed flow switch -
Architectural louvered panels	for use when evap fluid type = water

Performance Data - Air-Cooled Helical Rotary Water Chillers

Tags	300 Ton-D	Tags	300 Ton-D
Capacity (tons)	299.00	RLA - compressor A (A)	168.00
Compressor power (kW)	343.90	LRA - compressor A (A)	346.00
Unit power (kW)	371.10	RLA - compressor B (A)	168.00
Efficiency (EER)	9.7	LRA - compressor B (A)	346.00
IPLV (EER)	14.2	RLA - compressor C (A)	168.00
NPLV (EER)	14.2	LRA - compressor C (A)	346.00
Evap entering temp (F)	54.00	Number of condenser fans (Each)	18.00
Evap flow rate (gpm)	714.70	Number of cond fans-NFN1 - ckt 1 (Each)	12.00
Evap leaving temp (F)	44.00	Number of cond fans-NFN2 - ckt 2 (Each)	6.00
Evap pressure drop (ft H2O)	14.10	RLA - condenser fan (each) (A)	3.00
Evap fouling factor (hr-sq ft-deg F/Btu)	0.00010	Single point power MCA (A)	607.00
Evap fluid concentration (%)	0.00	Control panel info-MCA3 ckt 1 (A)	417.00
Evap. fluid freeze point (F)	32.00	Control panel info-MCA4 ckt 2 (A)	231.00
Min evap flow rate (gpm)	339.00	Single point power MOP (A)	700.00
Press drop min evap flow (ft H2O)	3.50	Control panel info-MOP3 ckt 1 (A)	500.00
Max evap flow rate (gpm)	1243.00	Control panel info-MOP4 ckt 2 (A)	350.00
Press drop max evap flow (ft H2O)	38.30	Short circuit current rating (A)	65000.00
Saturated evap temp - ckt 1 (F)	40.40	A-weighted sound power (dBA)	104
Saturated evap temp - ckt 2 (F)	40.20	Refrig (HFC-134a) - ckt 1 (lb)	415.0
Ambient air temp (F)	95.00	Refrig (HFC-134a) - ckt 2 (lb)	200.0
Saturated cond temp - ckt 1 (F)	135.80	Oil charge - ckt 1 (gal)	4.60
Saturated cond temp - ckt 2 (F)	134.80	Oil charge - ckt 2 (gal)	1.90
Elevation (ft)	0.00	Shipping weight (lb)	20176.0
		Operating weight (lb)	20744.0
		Rated capacity (AHRI) (tons)	298.90
		Rated efficiency (AHRI) (EER)	9.7
		COP (COP)	2.83