

150 TON AIR-COOLED CHILLER

PA-ACCTR-150

The 150-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.

150 TON AIR-COOLED CHILLER FEATURES

- ◆ Single Point Power Connection with Quick Connect Camlok Connections
- ◆ Integrated Circuit Breaker Overcurrent Protection
- ◆ 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	RTAC155
◆ Number of fans	9
◆ Number of compressors	4

DIMENSIONS

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

ELECTRICAL DATA

◆ Power Supply	460v/3ph/450a/60hz
◆ Connections	6" Camlok
◆ Minimum Circuit Ampacity	322a
◆ Min/Max Operational Volts	414v—506v

150 TON AIR-COOLED CHILLER



Product Data - Air-Cooled Helical Rotary Water Chillers

Item: 155 ton

155 nominal tons
460v/60 hz/3 ph
Standard configuration
C/UL listing
ASHRAE 90.1 all versions compliant
AHRI certified
ASME
Standard 40-60F leaving, with evaporator heaters
2 pass arrangement, 0.75" insulation
Standard ambient temperature range

CompleteCoat aluminum fins
Condenser fans with TEAO motors
Wye-delta closed transition starter
Single point power connection
Circuit breaker(s) - HACR rated
65,000 amp SCWR
Factory installed flow switch -
for use when evap fluid type = water
Refrigerant isolation valves

Performance Data - Air-Cooled Helical Rotary Water Chillers

Tags	155 Ton	Tags	155 Ton
Capacity (tons)	152.10	RLA - compressor A (A)	139.00
Compressor power (kW)	171.80	LRA - compressor A (A)	285.00
Unit power (kW)	185.60	RLA - compressor B (A)	118.00
Efficiency (EER)	9.8	LRA - compressor B (A)	252.00
IPLV (EER)	14.0	Number of condenser fans (Each)	9.00
NPLV (EER)	14.0	Number of cond fans-NFN1 - ckt 1 (Each)	5.00
Evap entering temp (F)	56.00	Number of cond fans-NFN2 - ckt 2 (Each)	4.00
Evap flow rate (gpm)	303.00	RLA - condenser fan (each) (A)	3.00
Evap leaving temp (F)	44.00	Single point power MCA (A)	322.00
Evap pressure drop (ft H2O)	7.90	Control panel info-MCA3 ckt 1 (A)	191.00
Evap fouling factor (hr-sq ft-deg F/Btu)	0.00010	Control panel info-MCA4 ckt 2 (A)	160.00
Evap fluid concentration (%)	0.00	Single point power MOP (A)	450.00
Evap. fluid freeze point (F)	32.00	Control panel info-MOP3 ckt 1 (A)	300.00
Min evap flow rate (gpm)	214.00	Control panel info-MOP4 ckt 2 (A)	250.00
Press drop min evap flow (ft H2O)	4.10	Short circuit current rating (A)	65000.00
Max evap flow rate (gpm)	785.00	A-weighted sound power (dBA)	101
Press drop max evap flow (ft H2O)	46.00	Refrig (HFC-134a) - ckt 1 (lb)	175.0
Saturated evap temp - ckt 1 (F)	39.50	Refrig (HFC-134a) - ckt 2 (lb)	165.0
Saturated evap temp - ckt 2 (F)	41.50	Oil charge - ckt 1 (gal)	1.30
Ambient air temp (F)	95.00	Oil charge - ckt 2 (gal)	1.30
Saturated cond temp - ckt 1 (F)	133.80	Shipping weight (lb)	10910.0
Saturated cond temp - ckt 2 (F)	134.70	Operating weight (lb)	11113.0
Elevation (ft)	0.00	Rated capacity (AHRI) (tons)	151.90
		Rated efficiency (AHRI) (EER)	9.8
		COP (COP)	2.88