



RTCA – Lite Industrial Air Cooled Chillers

	RTCA-02	RTCA-03	RTCA-04	RTCA-05	RTCA-06	RTCA-08	RTCA-09	RTCA-10	RTCA-12	RTCA-16	RTCA-20	RTCA-24	
Refrigeration Capacity (Btu/Hr.)													
Capacity @ 45° F LFT	24,000	36,000	48,000	60,000	72,000	96,000	108,000	120,000	144,000	192,000	240,000	288,000	
Compressor	Copeland Hermetic	Copeland Hermetic	Copeland Hermetic	Copeland Hermetic	Copeland Hermetic	Copeland Hermetic	Copeland Hermetic	Copeland Hermetic	Copeland Scroll	Copeland Hermetic	Copeland Hermetic	Copeland Scroll	
Compressor HP	2	3	4	5	6	8	9	(2) 5	(2) 6	(4) 4	(4) 5	(4) 6	
Tank Size (gal.)	40	40	40	40	40	40	40	40	40	(2) 40	(2) 40	(2) 40	
Pump HP	1 25-30 gpm 30-35 psi	1 25-30 gpm 30-35 psi	1 25-30 gpm 30-35 psi	1 25-30 gpm 30-35 psi	1 25-30 gpm 30-35 psi	1 25-30 gpm 30-35 psi	1 25-30 gpm 30-35 psi	1 25-30 gpm 30-35 psi	1 25-30 gpm 30-35 psi	1 25-30 gpm 30-35 psi	1½ 30-60 gpm 35-45 psi	1½ 30-40 gpm 35-45 psi	1½ 30-40 gpm 34-45 psi
Dimensions (in.)													
Length	35"	35"	35"	35"	39"	54"	54"	54"	56"	74"	74"	94"	
Width	27.5"	27.5"	27.5"	27.5"	35"	30"	30"	30"	39"	74"	74"	74"	
Height	65.5"	65.5"	71.5"	71.5"	73"	71.5"	71.5"	71.5"	74"	73.5"	73.5"	74"	
Shipping Weight (lbs.)	650	650	650	700	750	1,000	1,000	1,000	1,000	2,400	2,400	2,600	
Electrical Rating													
RLA @ 230-1-60	23.3	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	
RLA @ 230-3-60	n/a	20.9	27.8	31.2	30.5	48.4		55	53.6	86.3	100	97	
RLA @ 460-3-60	n/a	8.3	11.8	12	12.7	21.8		22.6	23.6	38.7	44.3	46	
Connection Sizes													
Chilled Water (from process)	1¼"	1¼"	1¼"	1¼"	1¼"	1¼"	1¼"	1¼"	1¼"	1¼"	1½"	1½"	1½"
Chilled Water (to process)	1"	1"	1"	1"	1"	1"	1"	1"	1"	1"	1½"	1½"	1½"
Options													
Auto. Water Make-Up Valve	optional	optional	optional	optional	optional	optional	optional	optional	optional	optional	optional	optional	optional
Nema 12 Control Panel	optional	optional	optional	optional	optional	optional	optional	optional	optional	optional	optional	optional	optional
S.S. Pump	optional	optional	optional	optional	optional	optional	optional	optional	optional	optional	optional	optional	optional
Special Voltage	optional	optional	optional	optional	optional	optional	optional	optional	optional	optional	optional	optional	optional
Alternate Pump (1½HP)	optional	optional	optional	optional	optional	optional	optional	optional	optional	optional	optional	optional	optional
Alternate Pump (2HP)	optional	optional	optional	optional	optional	optional	optional	optional	optional	optional	optional	optional	optional
Alternate Pump (2 1/2HP)	optional	optional	optional	optional	optional	optional	optional	optional	optional	optional	optional	optional	optional

Correction factory for glycol
 25% glycol = capacity (tons) x .93
 30% glycol = capacity (tons) x .89

1 ton = 12,000 btu/hr.
 Specifications based on 90°F ambient temperature @ ARI condition

Note: Cooling Technology, Inc. reserves the right to change manufacturers of components as found necessary.

Basic Construction



CONSTRUCTION

Frame	Rugged, heavy duty 1/8" angle and channel iron steel base frame
Panels	18 and 20 gauge Phos Coat galvanized steel
Finish	Chemical and weather resistant polyester powder coat
Features	Corrosion proof. Custom color available as an option

COMPRESSOR

Compressor Type	Copeland Hermetic (RTCA-12 & 24 ton is a Scroll)
-----------------	--

CONDENSER

Type	Air Cooled
------	------------

TANK

Construction	16 gauge, 304 stainless steel construction
Features	Stainless steel coil-in-tank design

ELECTRICAL CONTROLS

ETL Approved	Approved ETL# 63122
Microprocessor Controller	Freeze stat protection
Low-flow cutout	

REFRIGERATION SPECIALTIES

Analog water temperature and pressure gauges
--

RTCA TYPICAL ELEVATION LAYOUT

