

RLC-900

Rack Mount Liquid Chiller

Air Cooled
Rack Mount

100-240 VAC Input
310 Watts

STANDARD FEATURES

- Compact only 19" x 25" x 9"
- Front and rear fluid ports
- Heats and cools 0 to 50 °C or -20 to 90 °C
- Standard 19" rack mounting
- Low pressure drop 3/8 ID fluid quick connects
- Remote Sensibility™
- User friendly front fill design
- Easy prime/pump reset feature
- Wide process fluid temperature range
- Stainless steel exterior housing
- Over temperature protection
- External washable aluminum air filter



CONTROL FEATURES

- Integral "tunable" PWM temperature control
- PWM, Bi-directional temperature control
- 4 Programable temperature zones with 4 independent PID settings
- Multi-segment ramp and soak programs with loops
- Internal RTD sensor, built into the fluid circuit
- Remote Sensibility™ switchable to exterior accessory RTD sensor
- USB communication with easy to use software
- Labview VI examples available

PUMP OPTIONS

- Option #1 - Standard Magnetic Drive, Can Pump, 0 to 50 °C process temperature
- Option #2 - Low Temperature Magnetic Drive, Impeller Pump, -20 to 90 °C process temperature
- Option #3 - Gear pump, 3.75 Liter/Min, -20 to 90 °C process temperature
- Option #4 - High Flow Magnetic Drive, Can Pump, 0 to 50 °C process temperature

SPECIFICATIONS

MODEL	PART NUMBER	PUMP OPTION	PERFORMANCE RATING BTU/HR	VOLTAGE VAC 50/60 HZ	CURRENT AMPS.*	WEIGHT LBS. (KG)	MAX OPERATING AMBIENT	FLUID TEMP. RANGE °C
RLC-900	8-E4KB-1-0A1	1	1050-1100	100-240	3.5	59 (27)	50 °C (+122 F)	0 to 50
RLC-900	8-E4KB-1-0A2	2	1050-1100	100-240	3.5	59 (27)	50 °C (+122 F)	-20 to 90
RLC-900	8-E4KB-1-0A3	3	1050-1100	100-240	3.5	59 (27)	50 °C (+122 F)	-20 to 90
RLC-900	8-E4KB-1-0A4	4	1050-1100	100-240	3.5	59 (27)	50 °C (+122 F)	0 to 50

* Reflects current draw @ 120 VAC, 60 Hz input

RLC-900

ENVIRONMENTS

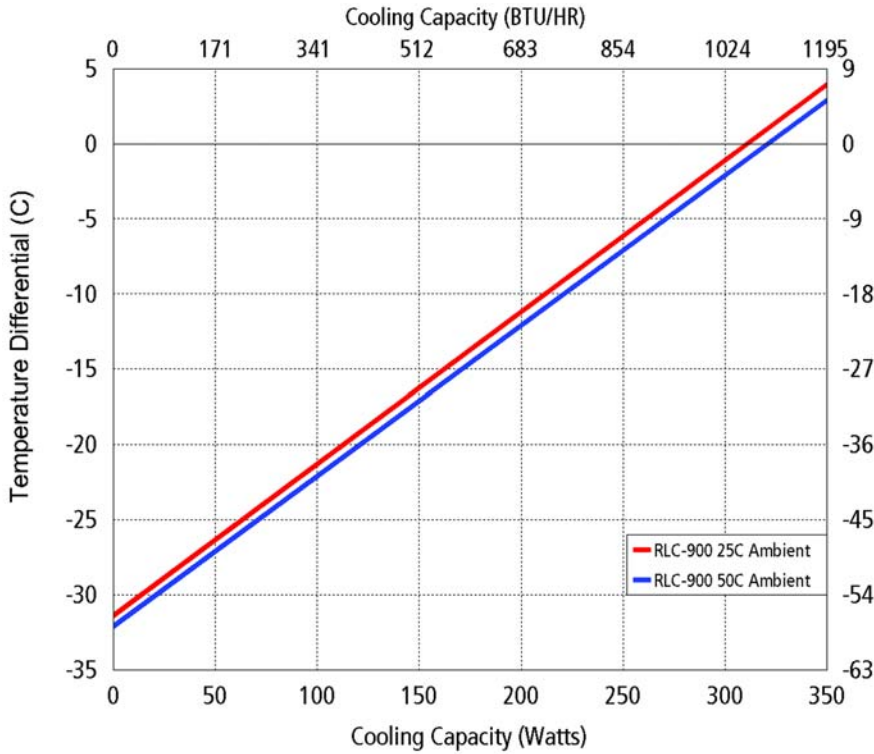
- 19" rack mount
- Laboratory
- Industrial

COOLING CAPACITY

310 Watts @ 0 °C ΔT

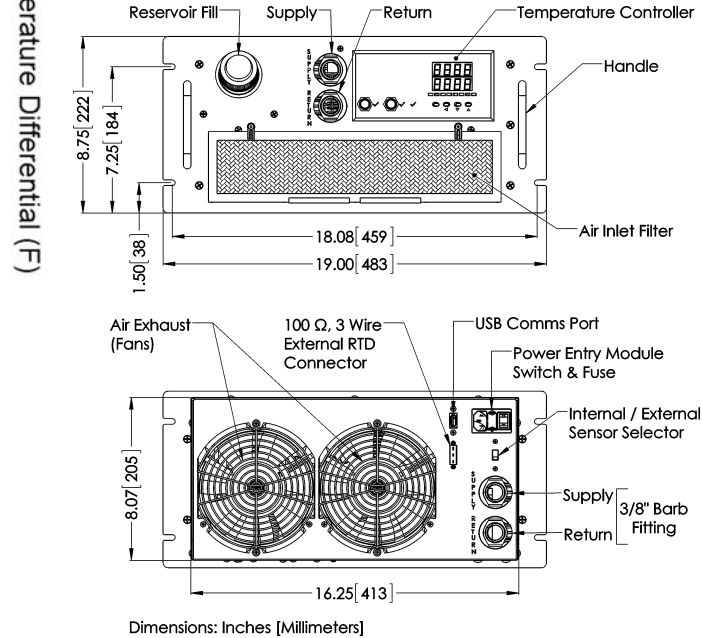
PERFORMANCE CURVE

Curves below represent performance of systems with pump option 1. Performance curves for systems with other pumps will be different.



Equation of line: $y = \Delta T(^{\circ}C)$ $x = \text{Capacity (Watts)}$		
Ambient Temp	25°C	50°C
	$y = .101x - 31.4$	$y = .100x - 32.1$

DIMENSIONS



PUMP CURVE

