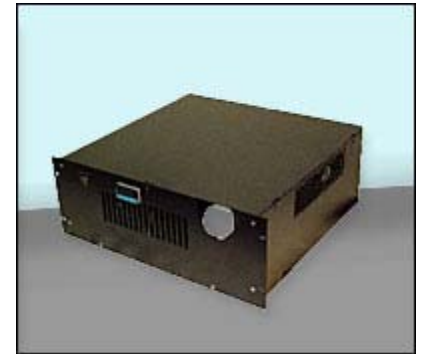




CustomChill, Inc.
 2751 Southampton Road
 Philadelphia, PA 19154
 Phone: (215)-676-7600
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CRAL400R Series Self-Contained Rack Mount Chillers

CustomChill Recirculating Liquid Chillers offer state-of-the-art, cost-effective solutions to meet your critical cooling applications. These **rack mount** chillers provide an environmentally safe alternative to refrigerant-based systems. They can be used in a wide range of applications, such as laser chillers, medical chillers, laboratory chillers, water chillers, or any function where the cooling or heating of fluids is required.



Specifications:

Model Number	CRAL400R-115	CRAL400R-230	CRAL400RD-DUAL
Input Voltage, VAC	115	230	115/230 Selectable
Frequency, Hz	50/60	50/60	50/60
Current Draw, Amps	7.2	3.5	7.2 / 3.5
Cooling Capacity, (Watts/Btuh)	400 / 1364	400 / 1364	400 / 1364
Max. Ambient Temperature, °C/°F	50 / 122	50 / 122	50 / 122
Min. Ambient Temperature *, °C/°F	-10 / 14	-10 / 14	-10 / 14
Max Flow Rate, lpm/gpm	6 / 1.6	6 / 1.6	6 / 1.6
Max Pressure @ 0 Flow, PSI	14.7	14.7	14.7
Chiller Fluid Capacity, ml/Gal	1250 / 0.33	1250 / 0.33	1250 / 0.33
Noise Level, dBA	50	50	50
Heating Capacity **, Watts	500	500	500
Control Temperature Range***, °C/°F	-12 to 41 / 10.4 to 106	-12 to 41 / 10.4 to 106	-12 to 41 / 10.4 to 106
Temperature Control Accuracy, °C/°F	± 0.10 / ± 0.18	± 0.10 / ± 0.18	± 0.10 / ± 0.18
Dimensions			
Height, in/mm	7.0 / 177	7.0 / 177	7.0 / 177
Panel Width, in/mm	19.0 / 483	19.0 / 483	19.0 / 483
Case Width, in/mm	17.0 / 432	17.0 / 432	17.0 / 432
Depth, in/mm	17.25 / 438	17.25 / 438	17.25 / 438

Notes:

* Minimum ambient temperature is given for equipment performance only; it doesn't take into consideration type of fluid used. To avoid fluid freezing, always use proper antifreeze.

** Optional 500W heating feature available.

*** For fluid temperatures above 41°C, please consult factory.



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Standard Features:

- Programmable digital PID system controller
- Low fluid level indicator or dry contact closure
- Leak-proof fluid inlet and outlet quick disconnect valves
- Highly reliable, environmentally safe thermoelectric cooling elements
- Efficient seal-less magnetic drive pump with brushless DC motor
- Quiet high performance fans
- Offered as 115V, 230V, or dual 115V/230V, 50/60 Hz input power

Optional Features:

- RS232/RS485 communication port
- Higher flow and pressure capabilities
- Heating option, up to 500 Watts
- Flow control (alarm)
- Temperature alarm

Thermal Performance:

