



CustomChill, Inc.
 2751 Southampton Road
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CRAL800 Series Self-Contained Free-Standing Chillers

CustomChill Recirculating Liquid Chillers offer state-of-the-art, cost-effective solutions to meet your critical cooling applications. These **free-standing** 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	CRAL800-115	CRAL800-230
Input Voltage, VAC	115	230
Frequency, Hz	50/60	50/60
Current Draw, Amps	15.0	7.5
Cooling Capacity, (Watts/Btuh)	800 / 2728	800 / 2728
Max. Ambient Temperature, °C/°F	50 / 122	50 / 122
Min. Ambient Temperature *, °C/°F	-10 / 14	-10 / 14
Max Flow Rate, lpm/gpm	6 / 1.6	6 / 1.6
Max Pressure @ 0 Flow, PSI	14.7	14.7
Chiller Fluid Capacity, ml/Gal	1500 / 0.40	1500 / 0.40
Noise Level, dBA	52	52
Heating Capacity **, Watts	500	500
Control Temperature Range***, °C/°F	-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
Dimensions		
Height, in/mm	15 / 381	15 / 381
Width, in/mm	11 / 279	11 / 279
Depth, in/mm	18 / 458	18 / 458

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 or 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:

