



**CustomChill, Inc.**  
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## CRAL150 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	CRAL150D-Dual
Input Voltage, VAC	115/230
Frequency, Hz	50/60
Current Draw, Amps	2.5 / 1.25
Cooling Capacity, (Watts/Btuh)	150 / 512
Max. Ambient Temperature, °C/°F	50 / 122
Min. Ambient Temperature *, °C/°F	-10 / 14
Max Flow Rate, lpm/gpm	6 / 1.6
Max Pressure @ 0 Flow, PSI	14.7
Chiller Fluid Capacity, ml/Gal	500 / 0.13
Noise Level, dBA	45
Heating Capacity **, Watts	500
Control Temperature Range***, °C/°F	-12 to 41 / 10.4 to 106
Temperature Control Accuracy, °C/°F	±0.1 / ± 0.18
Dimensions	
Height, in/mm	10.0 / 254
Width, in/mm	7.75 / 197
Depth, in/mm	11.0 / 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
- Dual input power: 115/230 V, 50/60 Hz

## Optional Features:

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

## Thermal Performance:

