



**CustomChill, Inc.**  
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## CRAL300 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	CRAL300-115	CRAL300-230	CRAL300D-DUAL
Input Voltage, VAC	115	230	115/230 Selectable
Frequency, Hz	50/60	50/60	50/60
Current Draw, Amps	7.2	3.5	5.0 / 2.5
Cooling Capacity, (Watts/Btuh)	300 / 1023	300 / 1023	300 / 1023
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	750 / 0.20	750 / 0.20	750 / 0.20
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	13.5 / 330	13.5 / 330	13.5 / 330
Width, in/mm	7.75 / 197	7.75 / 197	7.75 / 197
Depth, in/mm	11 / 279	11 / 279	11 / 279

#### 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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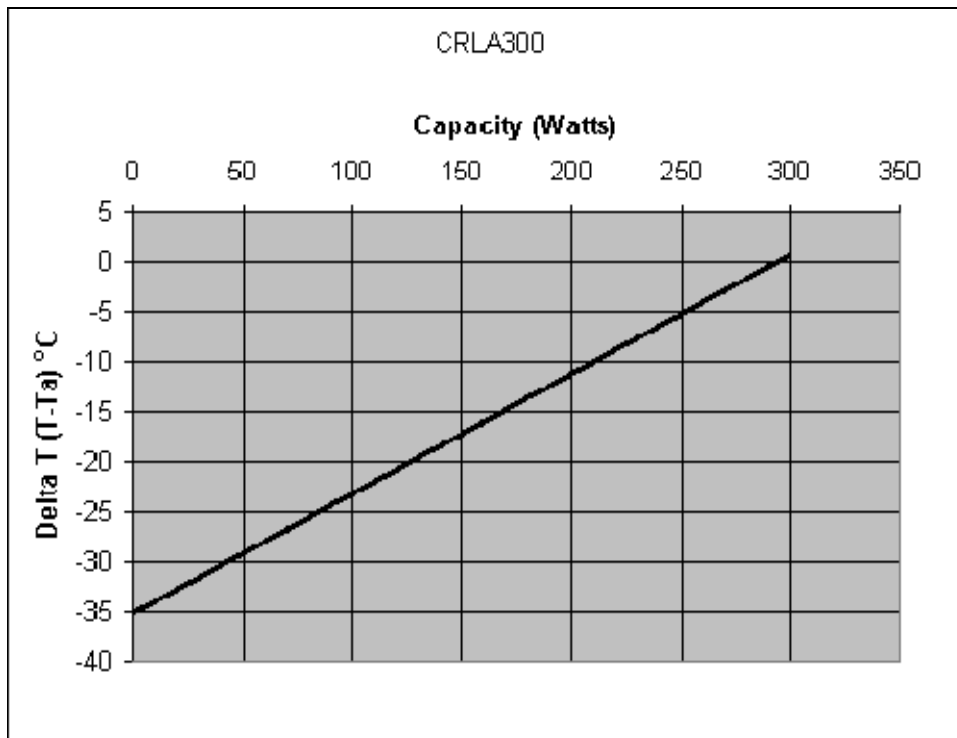
## Standard Features:

- 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:





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