

# AIR TO PLATE CHILLER SYSTEM



## FEATURES

- RoHS EU Compliant
- Designed for operation above dew point.
- Modular configuration allows 1 master and up to 3 slaved chiller units to be driven by each controller.
- Individual PID control of each chiller for optimum thermal uniformity of customer's device surface.
- RS485 communication from controller to chillers.
- Typical umbilical cable length from controller to master chiller is 150 ft.
- Typical cable length between chiller units is 5 ft.

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## Nominal Parameters

Single Chiller Cooling Capacity	90 W
Operating Temperature	10°C - 38°C
Chiller Input Current	5.5 A
Chiller Input Voltage	48 VDC
Controller Input Voltage	90 - 264 VAC
Controller AC Input Frequency	47-63 Hz

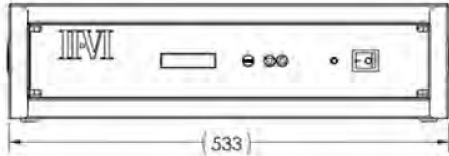
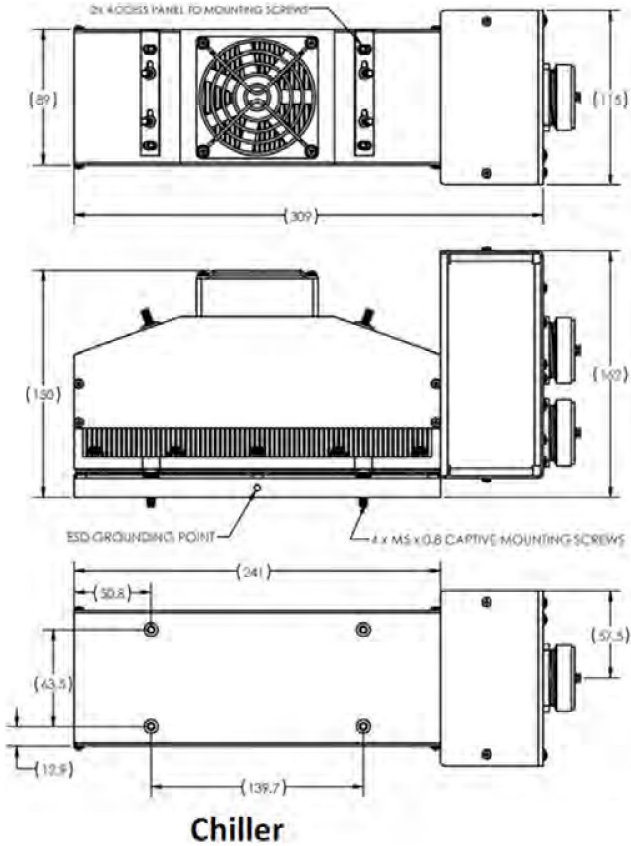
## Ordering Options

Model Number	Description
CS180-01	2 Chiller System Assembly
CS270-01	3 Chiller System Assembly
CS360-01	4 Chiller System Assembly

## Mechanical Performance

## Installation

Each chiller is mounted separately to the surface plate by four captive M5 x 0.8 screws. Refer to the mechanical characteristics section for the screw locations. Connection to the captive screws is available by moving the access panels on the fan shroud. Torque the mounting screws to 30 in-lbs during assembly. For optimum performance, use of a thermal interface material between the chiller and surface plate is recommended. The master chiller unit is connected to the controller with the supplied 150 ft. cable. If the master chiller is mounted at any substantial height conditions, it is recommended to utilize some form of cable strain relief due to the weight of the cable. Remaining chillers may be added in series using the supplied 5 ft. cables. Power is delivered to the controller unit via the supplied UL rated AC power cable.



**Controller**

Dimensions in millimeters

Single Chiller Unit Typical Performance Curve

