



Buyer's Guide | Cold Front™ Coolant Management System (CMS)

	20kW Rackmount (CMS) (CFCMS20KWxxx)	260kW Floormount (CMS) (CFCMS260KWxxx)
Environmental		
Maximum Cooling Capacity	20kW	260kW (887,400 BTU/Hr, 74 Tons) ¹
Coolant Type	Chilled Water	Chilled Water
Physical Configuration	Rackmount	Floormount
Design Pump Capacity	10.6 GPM	95 GPM
Available External Head Pressure	@ Design Flow: 29 psi	@ Design Flow: 28.6 psi
Primary Pressure Drop	7.2 psi @ 10.6 GPM	36.3 psi @ 95 GPM
Primary Conn. Type and Material	¾" BSP Flat Face, Copper	2" Sweat, Copper Tails
Primary Conn. Orientation	Rear	Bottom Standard (Top Optional)
Primary Loop Coolant Volume	0.4 Gallons	5.1 Gallons
Primary Coolant Temp. Range	39.2 to 50° F	41 to 50° F
Secondary Connection Type and Material	ISO 7241-1 Series B Self-Sealing ¾" Quick Connects	2" Flex Tails or Internal Manifold using (8) - ¾" NPT or (6) - 1" NPT
Secondary Conn. Orientation	Rear	Bottom Standard (Top Optional)
Secondary Loop Coolant Volume	0.9 Gallons	14.7 Gallons
Approach Temp. @ 100% Load	13.1° F	10.6° F
Heat Exchanger Construction	Brazed-Plate, 316 Stainless Steel Plates	Brazed-Plate, 316 Stainless Steel Plates
Number of HTDs Supported	1-2 HTDs	up to 48 HTDs
Noise Level at 3 meters	<55dBA	<55dBA
Dew Point Control	Yes	Yes
Redundant Variable Speed Pumps	No	Yes
Flow Meter/Water Filter	Both: No	Both: Secondary (Primary Optional)
Redundant Chilled Water Valves	No	One 3-Way
Redundant Actuators	No	Manual Override/Mech Temp Display
Web-Based Management	No	Optional
Color Display/Touchscreen	No	Yes
Electrical		
Power Supply	208V, 1Ø, 60Hz or 230V, 1Ø, 50Hz	200V, 3Ø, 50/60Hz or 208V, 3Ø, 60Hz or 480V, 3Ø, 60Hz or 400V, 3Ø, 50Hz
Dual Power Feeds	No	Optional via Optional Internal ATS
Full Load Amps	No	208V: 13.2A, 480V: 7.5A
Typical Power Consumption	690W at 230V	3.7kW at 480V
Physical		
Unit Size (HxWxD)/Shipping Size	10.5" x 19" x 28.7"/18.5" x 24"x 35"	74.2" x 23.6" x 39.3"/ 83.1" x 29.5" x 45.3"
Unit Footprint/with Clearance	6U of Rack Space/n/a	(37U) 6.4 ft ² / 14.2 ft ²
Weight: Rackmount Empty	Dry: 101 lb.	n/a
Weight: Floormount Empty/Filled	n/a/ n/a	Dry: 662 lb./ 814 lb.
Shipping Weight	136 lb.	897 lb.
Warranty		
Agency Approval/Limited Warranty	1 Year, Parts Only	UL®, CuL, CE/ 1 Year, Parts Only

1 (74 Tons) @ 95 GPM secondary and 74 GPM primary, 50°F, 100% water