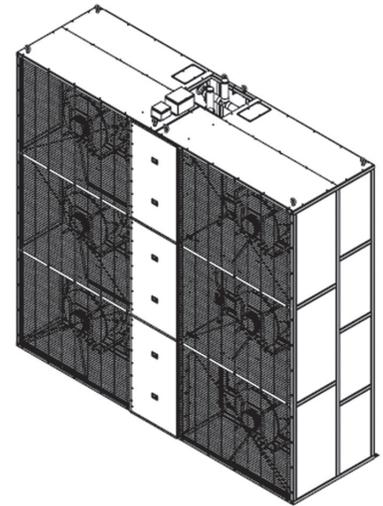


Product sheet

Modular ChilledWall MCW-2

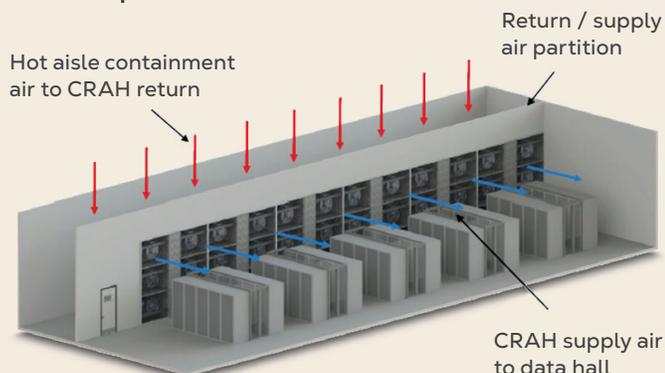
Data Center Cooling System



Standard features:

- EC plenum fans with discharge screen
- Draw through fan arrangement for better energy consumption and higher return air temperature applications (blow through optional)
- Factory piping including water control valve
- Integral stainless steel drain pans with single drain outlet
- 2" MERV 8 filters
- Galvalume unpainted casing with welded steel frame
- Factory controls with UPS

Data hall partition:



The Modular ChilledWall (MCW 2) data center cooling system comprises modular fan-coil arrays providing incremental cooling capacity options, ranging from 380-550 kW of cooling capacity depending on design temperature change and site altitude. MCW 2 provides options for blow through or draw through fan location, giving designers options that benefit performance or access.

Water coils are selected to minimize approach temperatures resulting in improved overall system efficiency. Low outlet air velocity, high capacity per lineal foot of wall length, and side-by-side mount with no clearance satisfy the demands of higher density data center designs.

Each MCW module is complete with single point water connections and factory controls to minimize field work during installation, startup and testing. Single point or dual point power connections with transfer switch support various resiliency plans.

The MCW fan-coil array system floods the white space with low outlet velocity cooling air. This arrangement optimizes the use of building space and provides flexibility for low, medium and high density deployments.

Product Sheet: Modular ChilledWall MCW-2
Data Center Cooling System

Options:

- Blow through fans (access from gallery side)
- Condensate pump
- Strainer
- Isolation valves
- Water drain and vent valves
- PICCV water control valve
- MERV 11 or 13 Filters
- Group control options (teamwork)
- Dual Power Feed with ATS
- Painted Casing
- 65 kAIC Electrical Rating

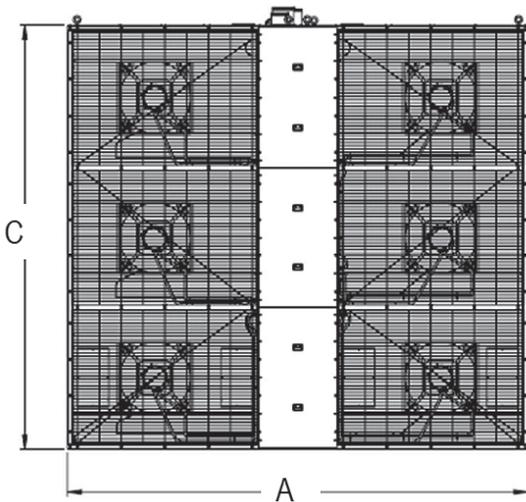
MCW-2 performance chart

20 Deg. Delta T (Air Side)	MCW 2.0	MCW 2.1
Supply CFM	69,000	60,000
Cooling Capacity (kW)	439	381
Fluid GPM (14 Deg. Delta T)	230	200
25 Deg. Delta T (Air Side)		
Supply CFM	69,000	60,000
Cooling Capacity (kW)	548	477
Fluid GPM (14 Deg. Delta T)	283	246
Dimensions (inches)		
A	170	120
B	60	60
C	156.5	144

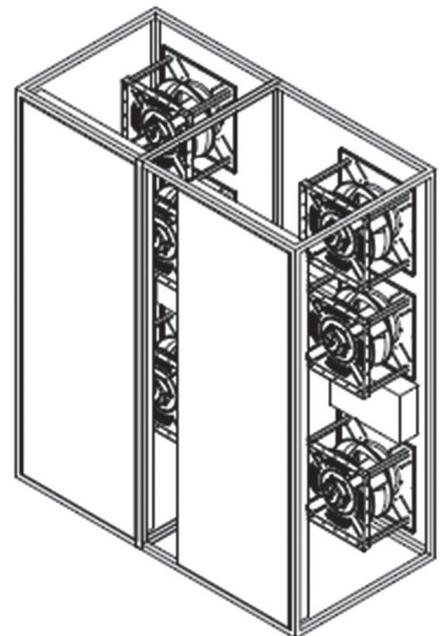
Note:

- Air and fluid side design temperatures, fluid glycol percentage, site altitude and fan location will impact performance.

MCW 2.0 image with draw through fans



MCW 2.1 image with blow through fans



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