

CMW30 Ceiling-Mount, Water-Cooled Air Conditioner

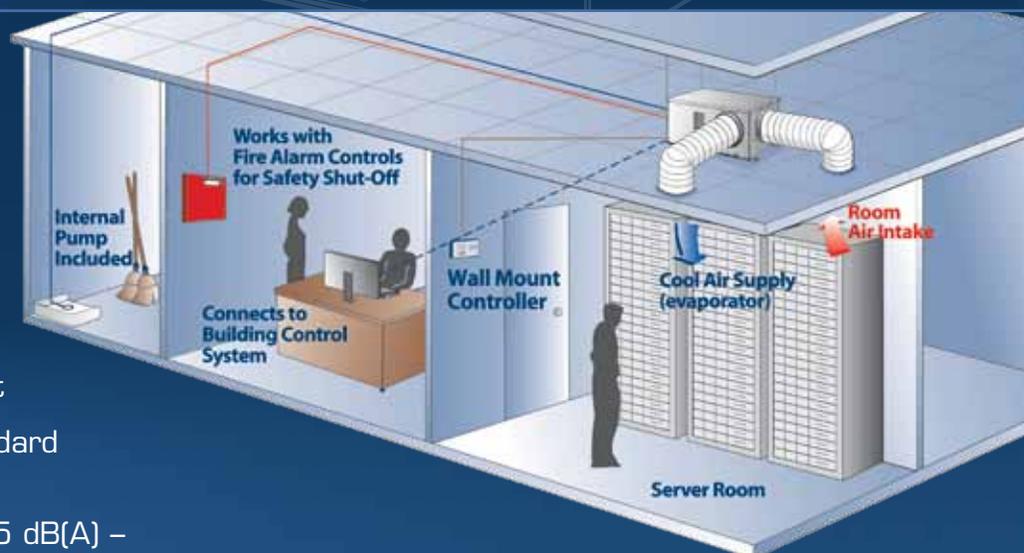
Having set the industry standard with ceiling-mount spot cooling technology, MovinCool designed its CMW30 water-cooled model for applications where an air-cooled unit cannot be used because there is no available space for hot exhaust air. With a cooling capacity of 29,400 Btu/h total and 22,000 Btu/h sensible for computer rooms, the CMW30 is ideal for server rooms and other applications with dense heat loads.

The CMW30 comes standard with a state-of-the-art, wall-mount controller that offers advanced communications, monitoring, self-diagnostic and troubleshooting capabilities. The CMW30 also features a high integrated-energy-efficiency ratio (IEER) of 17.0, made possible by an energy-saving, variable-speed inverter compressor and inverter fan motor.

With its compact design of 45 x 32 x 20" (W x D x H), the CMW30 can fit into virtually any drop-ceiling space. Built-in flanges, mounting brackets and vibration isolators enable easy, low-cost installation using standard off-the-shelf hardware. As with all MovinCool spot air conditioners, no refrigerant connections or outside condensing units are required, further reducing installation and maintenance costs.



- 29,400 Btu/h total cooling capacity
- High sensible cooling – ideal for server rooms
- Environmentally friendly design – 17 IEER, R-410A refrigerant and RoHS compliant
- Low-cost installation using standard off-the-shelf hardware
- Maximum sound level of only 55 dB(A) – 5 decibels lower than a normal conversation
- Wide condenser EWT range – 45°F to 115°F





TECHNICAL SPECS		CMW30
Electronic Features	Operation Control	Wall Mounted Controller Programmable
Electrical Characteristics	Voltage Requirement Min. - Max. Voltage Recommended Fuse Size	208/230V, 1 Phase, 60Hz 198-250V 20 amps
Cooling Capacity and Power Consumption Evaporator: 80°F, 50% RH Condenser: EWT/LWT: 85°F/95°F	Total Cooling Capacity Sensible Cooling Capacity Power Consumption Current Consumption	29,400 Btu/h ¹ 20,800 Btu/h ¹ 1.99 kW ¹ 8.9 amps ¹
	Evaporator: 72°F at 50% RH Condenser: EWT/LWT: 85°F/95°F	Total Cooling Capacity Sensible Cooling Capacity Power Consumption Current Consumption
IEER		17.0
Evaporator	Fan Type Max. Air Flow - High/Low Max. External Static Pressure	Centrifugal 1060/840 CFM ¹ 0.66 IWG
Condenser	Fan Type Water Connections	Water Cooled Condenser 3/4 in NPT Female
Compressor	Type	Hermetic Swing Inverter
Refrigerant	Type	R-410A
Dimensions	W x D x H (without flange) W x D x H (with flange)	45 x 32 x 20 in 49 x 35 x 20 in
Net Weight/Shipping Weight		236/271 lbs
Condensate Pump Capacity	Pump Rate Head	5 gal/h 4 ft
Operating Conditions	Evaporator Condenser	55°F-95°F, 50% RH 45°F-115°F (Condenser Water)
Maximum Duct Length	Cold Duct Hose Hot Duct Hose	120 ft ² N/A
Maximum Sound Level	Under Ceiling Tile with Evaporator Duct	55 dB(A)

¹ Measured with two 20 ft ducts with one 90° bend each, supply grill and return grill with filter (0.30 IWG external static pressure) (ducts not included).

² Confirm pressure drop of duct, grills and filter with manufacturer specifications.

