

RowCool CW-43

In-row Cooling, Chilled Water

Delta's RowCool CW delivers exceptional performance for high-temperature chilled water applications with its advanced heat exchanger design. Featuring industry-leading cooling capabilities, the RowCool CW enhances overall efficiency in data center precision cooling systems. Each unit offers a remarkable cooling capacity of up to 95kW, making it ideal for data centers requiring hundreds of kW. Designed for high efficiency and high density, the RowCool CW ensures reliable, efficient cooling for even the most demanding environments.



High Availability

- Dual Power Feed: supports dual power inputs, suitable for any tier level of power reliability
- Redundant Fan System: fans automatically adjust speeds if one fails, ensuring continuous airflow
- Hot-Swappable Parts: replace power modules and fans without downtime
- 1+1 Redundant Power Modules: enhance reliability (available on select models)
- Real-Time Monitoring: tracks water flow and leaks for immediate troubleshooting

High Efficiency

- Optimized Design: enhances cooling efficiency for high-temperature chilled water systems
- Smart Fan Control: EC fans adjust speeds in real-time based on load changes, minimizing power waste
- Effective Heat Removal: closely integrates with IT heat loads for effective heat dissipation

High Flexibility

- Flexible Installation: supports top or bottom piping and wiring
- Filter Choices: high-efficiency (MERV 8) or washable (MERV 1) filters available
- Easy Mobility: casters make installation and repositioning easy

Technical Specifications

Model	CW-43
Total Cooling Capacity ⁽¹⁾	43.4 kW
Sensible Cooling Capacity ⁽¹⁾	43 kW
Total Cooling Capacity ⁽²⁾	59.1 kW
Sensible Cooling Capacity ⁽²⁾	59.1 kW
Total Cooling Capacity ⁽³⁾	37 kW
Sensible Cooling Capacity ⁽³⁾	37 kW
DEPLOYMENT	
Coolant Type	Chilled Water
Piping Connection Location	Top/ Bottom
Chilled Water Flow Rate	80 LPM
Airflow Rate	4415 CFM
Air Discharge Direction	Front
POWER SUPPLY	
Nominal Power Supply Voltage	208/ 220/ 230 Vac, 1P2W+PE
Operating Voltage Range	187-253 Vac
Frequency	50/ 60 Hz
Maximum Power Consumption	2.4 kW
Dual Power Feed	Standard
PHYSICAL	
Dimensions (W x D x H)	11.8 x 42.9x 78.8 inch (300 x 1090 x 2000 mm)
Net Weight	412.3 lbs (187 kg)
COMMUNICATION INTERFACE	
Display	LCD+LED indicators
Protocols	SNMP, Modbus RTU
ENVIRONMENT	
Operating Temperature	39.2 to 104°F (4 to 40°C)
Humidity	30-85%
CONFORMANCE	
Safety	UL
Seismic Rating	GR63 Zone 4
FEATURES	
Leak Detection	Standard
Remote Rack Temperature	Standard
Drain Pump	Optional
Reheat and Humidifier Lockout	Optional

(1) Cooling Capacity: At 105.1°F (40.6°C) dry bulb, 70.9°F (21.6°C) wet bulb, and 44.6°F (7°C) inlet water.

(2) Maximum Capacity: At 120°F (48.9°C) dry bulb, 75°F (23.9°C) wet bulb, and 44.6°F (7°C) inlet water.

(3) High Temp Water Capacity: At 105.1°F (40.6°C) dry bulb, 70.9°F (21.6°C) wet bulb, with 53.6°F (12°C) inlet and 68°F (20°C) outlet water.

All specifications are subject to change without prior notice.



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