

RowCool CW-29/43/70/95

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 95 kW, 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

* Applicable for CW-29 and CW-43 models

Technical Specifications

Model	CW-29	CW-43	CW-70	CW-95
Total Cooling Capacity ⁽¹⁾	30.8 kW	43.4 kW	69.3 kW	92.6 kW
Sensible Cooling Capacity ⁽¹⁾	30.2 kW	43 kW	69.3 kW	91.6 kW
Total Cooling Capacity ⁽²⁾	37.1 kW	50.4 kW	83.1 kW	110.7 kW
Sensible Cooling Capacity ⁽²⁾	37.1 kW	50.4 kW	83.1 kW	110.7 kW
Total Cooling Capacity	28.8 kW ⁽³⁾	36 kW ⁽³⁾	57.4 kW ⁽⁴⁾	79.4 kW ⁽⁴⁾
Sensible Cooling Capacity	28.8 kW ⁽³⁾	36 kW ⁽³⁾	57.4 kW ⁽⁴⁾	79.4 kW ⁽⁴⁾
DEPLOYMENT				
Coolant Type	Chilled Water			
Piping Connection Location	Top/Bottom			
Chilled Water Flow Rate	68.3 LPM	80 LPM	111.2 LPM	120 LPM
Airflow Rate	2902 CFM	4415 CFM	6700 CFM	8200 CFM
Air Discharge Direction	Front			
Heater	N/A	Finned Tube (Optional)		
Humidifier	N/A	Electrode (Optional)		
POWER SUPPLY				
Nominal Power Supply Voltage	220/230 Vac, 1P2W+PE	220/230/240 Vac, 1P2W+PE	380 Vac, 3P4W+PE	380/400 Vac, 3P4W+PE
Operating Voltage Range	198-242 Vac	198-264 Vac	342-418 Vac	360-440 Vac
Frequency	50/60 Hz			
Maximum Power Consumption	1 kW	2.4 kW	3 kW 10.8 kW ⁽⁵⁾	4.8 kW 12.9 kW ⁽⁵⁾
Dual Power Feed	Standard			
PHYSICAL				
Dimensions (W x D x H)	300 x 1090 x 2000 mm		600 x 1090 x 2000 mm	
Net Weight	185 kg	187 kg	368 kg 375 kg ⁽⁵⁾	415 kg 422 kg ⁽⁵⁾
COMMUNICATION INTERFACE				
Display	LCD+LED indicators			
Protocols	SNMP, Modbus RTU			
CONFORMANCE				
Safety	CE			
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 40.6°C dry bulb, 21.6°C wet bulb (relative humidity 17.8%), and 7°C inlet water

(2) Maximum capacity: at 48.9°C dry bulb, 23.9°C wet bulb (relative humidity 11.5%), and 7°C inlet water

(3) High temp water capacity: at 40.6°C dry bulb, 21.6°C wet bulb (relative humidity 17.8%), with 12°C inlet and 20°C outlet water

(4) High temp water capacity: at 40.6°C dry bulb, 21.6°C wet bulb (relative humidity 17.8%), with 12°C inlet and 21°C outlet water

(5) With heater and humidifier

All specifications are subject to change without prior notice.



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