



HDC High Density Cooler

Close Control Unit for High Density Systems



Standard Features

- Spot Cooling : where and when you need it
- Air-flow switch
- Full Accessibility
- High pressure radial fans with backward curved blades
- High efficiency hydrophilic finned coil with aluminium structure
- Two drain pans made of AISI 430 stainless steel
- Hydraulic connections from the top and from the bottom
- Powder-coated metal sheet structure
- Rapid electrical connections
- Footprint only 300x1200mm
- Fully insulated panels
- 2 or 3 way water valve, modulating by means of a 1-10 V signal
- Programmable control with LCD display
- Clockcard
- Several different air-flow configurations

Technical Features

Indoor Conditions (T and R.H.)		24°C – 50%	30°C - 35%	35°C - 26.5%	40°C - 20%	45°C - 15.5%
Total Cooling Capacity	kW	13.9	22.0	28.1	34.0	39.6
Sensible Cooling Capacity	kW	13.9	22.0	28.1	34.0	39.6
Fans absorbed power	kW	0.75				
Waterflow	l/h	2395	3780	4840	5850	6800
Airflow	m ³ /h	4000				
Dimensions	mm	300 x 2000 x 1200				

* chilled water @ 10-15°C

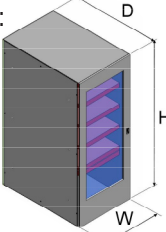


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Required Project Information

CABINET			
Dimensions: 	Brand of Rack cabinet:	Model No:	
	Width: 300mm Height: U46-2000mm Depth: 1200mm	300mm U47-2200mm 1200mm	300mm
Power Cable Entry: Rack Cooler installed at:	Top Left side	Bottom right side	
CONDITIONS REQUEST			
Required cooling capacity:			
Air Inlet temperature on the rack cooler:		% r.h:	
Max air leaving temperature from the rack cooler:			
Min air leaving temperature from the rack cooler:			
Water temperature in/out:			
Glycol %:			
RACK COOLER CONFIGURATION			
Type of water connections:	3/4" external thread		
Regulating valve:	2 way 0..10V signal	3 way 0..10V signal	
Valve Installed:	inside rack cooler	outside rack cooler (supplied separately)	
Double water connections:	Yes		No
			From the top
			From the bottom
Redundancy:	Yes		No
	n° 1 interlaced coil	n° 2 coils not interlaced	
	Single power supply	Dual power supply	
	n°1 pCo card	n° pCo cards	
EC Fans:	Yes		No
Air flow control value on display:	Yes		No
Water flow meter value on display:	Yes		No
Cooling power monitoring:	Yes		No
Air leaving temperature control with simultaneous water flow and air flow regulation:	Yes		No
RACK COOLER ACCESSORIES			
Humidity sensor:	Yes		No
Clogged filter:	Yes		No
Ethernet card protocol:	Modbus	Bacnet	Other
Clock card:			
NOTE			