

The power behind competitiveness

Delta InfraSuite Precision Cooling

RowCool Series 35kW
Air-Cooled

RowCool for effective heat removal in data centers

As power density increases in modern data centers, traditional precision cooling fails to provide complete cooling for the following situations:

- Load variations for peak and off-peak periods
- High power density
- Uneven heat distribution

The Delta InfraSuite Precision Cooling RowCool Series can effectively solve the above.

High Efficiency

- High Energy Efficiency Ratio (EER) design with best indoor and outdoor unit combinations provide low annual operating costs
- Built-in compressor with inverter capable of variable speeds at different loadings for cost saving operations
- Continuously variable speed EC indoor and outdoor fan design for energy savings
- High cooling capacity within compact footprint helps users save on data center space and procurement investment

High Availability

- Modular rack design readily expandable as required to enable quick configuration and eliminate hot spots
- Supporting group control and use as backup for load variations in peak and off-peak periods
- Optional reheater and humidifier accessories for more precise temperature and humidity control
- Built-in high / low pressure switch, compressor temperature sensor, air flow sensor, and more that notify users early and reduce maintain time
- Repair from front/rear and a modular components design reduces checking and maintenance time.
- Low speed to keep compressor running at low loading and avoid frequent stop/start to ensure compressor life.

High Flexibility

- Horizontal air flow suitable for data centers without raised floor saves on construction costs
- Pipe and power connections suitable for both top and bottom insertion, with flexible configuration as required
- Disposable filters with high efficiency (MERV 8), and washable MERV 1 filters are available for purchase to save cost
- Remote monitoring through SNMP card providing more comprehensive system protection



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Technical Specifications

Model	HCH6C60	HCH6C60 Humidity Control
Type	Air-Cooled	Air-Cooled
Max cooling capacity	37.2kW	37.2kW
Max sensible cooling capacity	36.1kW	36.1kW
Input power	3N~, 380-415V, 50/60Hz	3N~, 380-415V, 50/60Hz
Max input current	28.4A	36.6A
Air flow	8340 CMH	8340 CMH
Compressor	Inverter-driven scroll compressor	Inverter-driven scroll compressor
Refrigerant	R410A	R410A
Filter	MERV 8	MERV 8
Reheater	N/A	5.4kW
Humidifier	N/A	3kg/h
Communication	RS232×1, RS485×1, CAN IN/OUT×1, Input dry contact×1, Output dry contact× 1, SNMP Slot×1	
Piping	Gas pipe 7/8" ODF solder	Gas pipe 7/8" ODF solder
	Liquid pipe 5/8" ODF solder	Liquid pipe 5/8" ODF solder
	Drain pipe PVC 3/4" ID	Drain pipe PVC 3/4" ID
		Humidifier supply water PVC 3/8" ID
Optional parts	Remote temp/RH sensor, remote temp sensor, SNMP card, drain pump, leakage detector, reheater, humidifier, low pressure transducer, liquid pipe temperature sensor, suction pipe temperature sensor	
Dimensions (W×D×H)	600×1090×2000mm	600×1090×2000mm
Weight	340kg	352kg

* Cooling capacity is measured at 40.6°C dry bulb, 21.6°C wet bulb return temperature and 45°C condensing temperature.

* The pressure of humidifier supply water should be between 0.1~0.35MPa.

* Please contact Delta or a local distributor for new specifications and details on continuous improvements Delta makes for various lines of products.

Outdoor Condenser

Model	HCC6C50-13S		HCC6C50-15S	HCC6C70-17D
Power	Input Power		3~, 380-415V, 50/60Hz	
Fan	Type		EC axial fan with variable fan speed control	
	Air Volume	m³/h	10800	11220
				18600
Model	HFC6B40-13S		HFC6B50-15S	HFC6B70-17D
Power			1~, 220-230V, 50Hz	
Fan			Axial fan with variable fan speed control	
	Air Volume	m³/h	9300	9600
				16380
Dimensions	Width	mm	1525	1725
	Depth	mm	1100	1100
	Height	mm	1090	1090
Weight (HCC / HFC)		kg	102 / 99	110 / 107
				148 / 142



Scroll Type Compressor

- Small size, low noise, high reliability
- Automatic over-temperature protection
- Longer compressor life through reduced frequency of system start and stop