

Delta InfraSuite Precision Cooling

RowCool Series 35kW, Direct Expansion

Delta's RowCool DX series uses high-efficiency DC inverter compressors and electronically Commuted (EC) Fans. Using Delta's best fuzzy control mode, the RowCool DX series is the highly efficient, outstanding direct expansion (DX) type cooling product. Improving the high efficiency and power density of medium or small sized data center, and offering both convenience and easy maintenance, Delta's RowCool DX is the best choice for optimizing the total cost of ownership (TCO).

High Efficiency

- Both compressor and fans use DC brushless motors that provide high efficiency and great power-savings.
- The inverter-driven design provides variable fan speed control for optimal speed in real-time according to load changes, avoiding power waste.
- Condenser fan operation is more stable and energy-saving via fuzzy control compared to traditional control systems.
- Closely couples to IT heat loads and quickly adapts to load changes for direct and effective heat removal.

High Availability

- Supports dual power feed input and is suitable for any tier level of power reliability architectures.
- Thanks to the inherent redundancy design of the fan system, other fans automatically increase fan speeds to make up for the required airflow if one of the fans malfunctions.
- Using the optional condenser models for low temperature, the RowCool DX series can operate in environments below -40°C.
- The smart group control function is equipped with rotation, back up, competition free, and soft start functions.
- Complete operation monitoring such as air supply and return airflow temperature allows full control of operations and the ability to take necessary troubleshooting measures in real-time.

High Flexibility

- Top or bottom piping and wiring options are available to satisfy the design requirements of different data centers.
- Various communication interfaces satisfy the surveillance and communication needs of various data centers.
- High efficiency filter (MERV 8) or washable (MERV 1) filters are available for users to choose according to their needs.
- Equipped with casters for convenient movement and positioning during installation without the need for additional handling tools.
- Condensers equipped with AC fans are also available for budget customers.



Technical Specifications

Model		DXA 35kW HCH6C60	DXA 35kW HCH6C60 Humidity Control
Power	Input	3-phase 380-415V, 50/60 Hz	
Capacity *	Total capacity	35.6 kW	35.6 kW
	Sensible capacity	34.5 kW	34.5 kW
Fan	Type	EC	
Reheater	Type	None	Finned tube reheater
Humidifier	Type	None	Electrode
Connection		Top / Bottom	
Conformance		CE	
Communication		RS-485 x 1, Input dry contact x 1, Output dry contact x 1, SNMP x 1	
Dimension	Width	600 mm	600 mm
	Depth	1090 mm	1090 mm
	Height	2000 mm	2000 mm
Weight		340 kg	345 kg

* Capacity is measured at 24°C return air temperature, 50% relative humidity and 45°C condensing temperature.

Outdoor Unit

Model		HFC6B40-13S	HFC6B50-15S	HFC6B70-17D
Power	Input	1-phase 220-230V, 50Hz		
Fan	Type	AC		
Dimension	Width	1515 mm	1715 mm	1915 mm
	Depth	1100 mm	1100 mm	1100 mm
	Height	1090 mm	1090 mm	1090 mm
Weight		99 kg	107 kg	142 kg

Model		HCC6C50-13S	HCC6C50-15S	HCC6C70-17D
Power	Input	3-phase 380-415V, 50/60Hz		
Fan	Type	EC		
Dimension	Width	1515 mm	1715 mm	1915 mm
	Depth	1100 mm	1100 mm	1100 mm
	Height	1090 mm	1090 mm	1090 mm
Weight		102 kg	110 kg	148 kg

All specifications are subject to change without prior notice.