

Delta InfraSuite Precision Cooling

Air Distribution Unit 1000 CFM

Highly efficient and energy saving temperature control

In a data center with an raised floor, air-conditioned cold air is often delivered to each rack through channels under the floor. However, as the cold air is delivered to a remote rack, air flow is reduced. Raised floors are often laid with cables and pipes that hinder the delivery of cold air and result in major hot spot issues.

Delta's Air Distribution Unit (ADU) is designed to address this problem. Its air supply capacity of up to 1000 CFM assists in the delivery of cold air to the cabinet location where greater heat dissipation is required, to remove hot spots.

Delta's ADU is easily attached to dedicated raised floors. The ADU detects the temperature of the cooled air source and the temperature inside the rack and adjusts the fan speed for energy savings.



High Efficiency and Cost Saving

- 6 fan modules provides air supply capacity up to 1000 CFM
- Intelligent fan speed control saves electricity costs

Extra Safe

- Automatic abnormal temperature and short-circuit protection

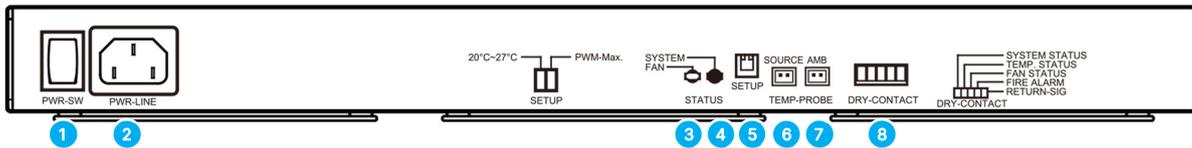
Easy Management

- Easy to install for standard raised floor
- LED indicators for fan status and error
- 4 dry contact outputs for alarm message

Technical Specifications

Model	HC-5990
Air Supply Volume	Up to 1000 CFM
INPUT	
Nominal Voltage	90~264 Vac
Voltage Range	100~240 Vac
Frequency	47~63 Hz
Plug/ Connector	Male Connector: NEMA 5-15P Female Connector: IEC320 C13
ENVIRONMENT	
Raised Floor Area Ratio	> 50%
Operation Temperature	0 to 45 °C
Storage Temperature	-20 to 60 °C
Operation Humidity	20~90 % (non-condensing)
Storage Humidity	0~90 % (non-condensing)
PHYSICAL	
Dimensions (W x D x H)	430 x 400 x 54 mm
Net Weight	5.6 kg
CONFORMANCE	
Safety	CE, IEC 62368

All specifications are subject to change without prior notice.



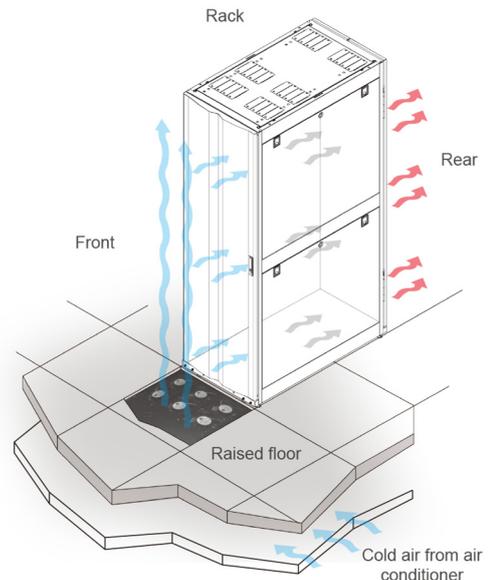
- 1 On/Off switch
- 2 Input power supply
- 3 Fan status indicator
- 4 System status indicator
- 5 Fan speed setup dip switch
- 6 Cooling air source temperature detection
- 7 Cabinet temperature detection
- 8 Output dry contact

Optional Accessories

Raised Floor

Model	HC5991
Dimensions (W x H x D)	600 x 600 x 50 mm
Weight	8.9 kg

Airflow Schematic



Delta Group



Delta Power Solutions



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