

# ADU-1000

## Air Distribution Unit

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

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

### Extra Safe

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- Automatic abnormal temperature and short-circuit protection

### Easy Management

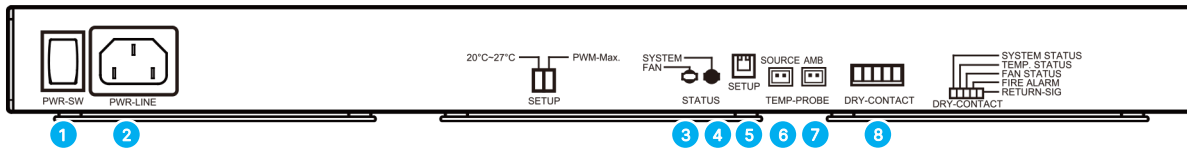
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- Easy to install for standard raised floor
- LED indicators for fan status and error
- 4 dry contact outputs for alarm message

## Technical Specifications

<b>Model</b>	ADU-1000
<b>Air Supply Volume</b>	Up to 1000 CFM
<b>DEPLOYMENT</b>	
<b>Nominal Power Supply Voltage</b>	100/ 115/ 120/ 200/ 208/ 220/ 230/ 240 Vac, 1P2W+PE
<b>Operating Voltage Range</b>	90-264 Vac
<b>Frequency</b>	50/ 60 Hz
<b>Power Consumption</b>	0.21 kW
<b>Input Connection Type</b>	IEC320 C14
<b>Perforated Raised Floor Airflow Rate</b>	> 50%
<b>PHYSICAL</b>	
<b>Dimensions (W x D x H)</b>	430 x 400 x 54 mm
<b>Net Weight</b>	5.6 kg
<b>ENVIRONMENT</b>	
<b>Operating Temperature</b>	0 to 45°C
<b>Storage Temperature</b>	-20 to 60°C
<b>Operating Humidity</b>	20-90% (non-condensing)
<b>Storage Humidity</b>	0-90% (non-condensing)
<b>CONFORMANCE</b>	
<b>Safety</b>	CE

All specifications are subject to change without prior notice.



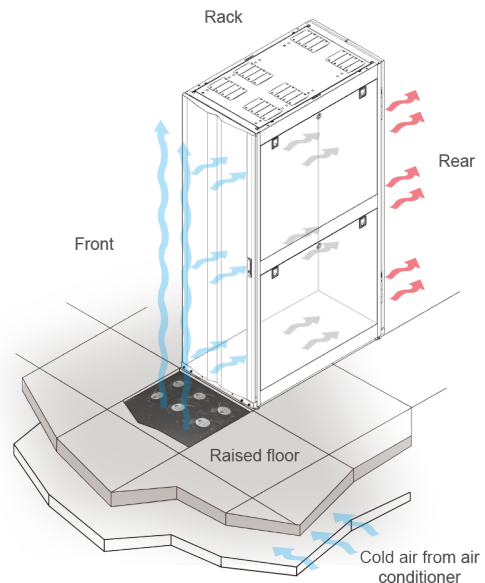
- 1 On/Off switch
- 2 Input power supply
- 3 Fan status indicator
- 4 System status indicator
- 5 Fan speed setup dip switch
- 6 Cooling air source temperature detection
- 7 Cabinet temperature detection
- 8 Output dry contact

## Optional Accessories

### Raised Floor

<b>Model</b>	HC5991
<b>Dimensions (W x H x D)</b>	600 x 600 x 50 mm
<b>Weight</b>	8.9 kg

## Airflow Schematic



Delta Group



Delta Power Solutions



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