



**Hewlett Packard**  
Enterprise

# HPE ARCS 48U 600X1600MM RACK (Q7G92A)

## Rack Cooling Systems



### WHAT'S NEW

- Up to 150 kW and 10,000 cfm of cooling capacity versus the MCS 200 with 55 kW and 4,700 cfm.
- Power support for 380V-480 VAC (3-phase).
- 42U and 48U rack options instead of only 42U racks.
- 1 cooling unit supports up to 4 IT racks versus the MCS 200 which only supported

### OVERVIEW

Is your IT power demand scaling faster than your cooling capacity? The HPE Adaptive Rack Cooling system allows for increased computing power without adding to the heat load in the data center. Using a closed-loop, room-agnostic design, the HPE Adaptive Rack Cooling system is capable of cooling fully populated racks, even with top bin processors. The horizontal airflow of the HPE Adaptive Rack Cooling system fully supports industry-standard front-to-back cooling designs and standard server dimensions. Additionally, the implementation of variable speed fans within the system, enables improved

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2 IT racks.

energy efficiencies by providing the right volume of airflow to all devices, regardless of the mounting position or workload. By increasing power density without the need for extensive cooling upgrades, the HPE Adaptive Rack Cooling system can economically extend the life of the data center.

## FEATURES

### **Increase Data Center Density Without Extensive Data Center Cooling Upgrades**

The HPE Adaptive Rack Cooling system supports up to 150 kW and 10,000 cfm of cooling capacity allowing for full rack densities even with top bin processors.

Increase data center capacity by opening up floor space by reducing the number of Computer Room Air Handler units (CRAH).

### **Realize the Full Potential of Any Data Center**

The HPE Adaptive Rack Cooling system provides cooling and heat capture at the source to improve power usage effectiveness (PUE) by cooling the rack versus the data center.

Reduces the need for cooling infrastructure, such as raised floors or cold/hot aisle containment, as systems are capable of being installed on concrete floors with no external air cooling requirements.

Closed loop design provides power efficiency through independent control of cluster temperatures and adaptive airflow control provides cooling as needed.

Features remote environmental access and control with local touch screen displays, web browsers, HPCM or a variety of industry standard protocols.

### **Extend the Life of Data Centers**

The HPE Adaptive Rack Cooling system allows increased computing power without adding to the heat load in the data center.

Avoid the need for the complexity of Direct Liquid Cooling (DLC) adoption to support higher power densities.

Reduces the need for continual piecemeal upgrades of the data center with additional air cooling capacity to accommodate higher power density.

Use in places where traditional cooling is not possible or desired, such as data center hot spots or remote data centers.

Install once and use for multiple generations of servers, networking, or storage.



**Technical specifications****HPE ARCS 48U 600x1600mm Rack**

<b>Product Number</b>	Q7G92A
<b>Maximum cooling capacity</b>	150 kW (4 fans) or 110 kW (N+1 fan redundancy)
<b>Required power supply</b>	380V - 480V
<b>Chilled water connections</b>	6 foot hoses with 2 inch TC fittings for facility connection. Optional stainless steel adapters (TC to 2 inch female BSPT or TC to 2 inch female NPT)
<b>Airflow</b>	10,000 CFM: 4 fans (nonredundant) 7,500 CFM: N+1 fan redundancy
<b>Product Dimensions (metric)</b>	Cooling Unit: 2,007 x 600 x 1,660 mm 42U rack: 2,007 x 600 x 1,660 mm 48U rack: 2,295 x 600 x 1,660 mm
<b>Weight</b>	Cooling Unit: 646 kg 42U rack: 179 kg 48U rack: 179 kg



[For additional technical information, available models and options, please reference the QuickSpecs](#)

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### Operational Services from HPE Pointnext Services

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- Operate and improve
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- Greenlake Management Services
- Retire and sanitize
- IT Training and personal development

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HPE Education Services delivers a comprehensive range of services to support your people as they expand their skills required for a digital transformation. Consult your HPE Sales Representative or Authorized Channel Partner of choice for any additional questions and support options.

**Defective Media Retention** is optional and allows you to retain Disk or eligible SSD/Flash Drives replaced by HPE due to malfunction.

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