CDE2 Modular ToR Switch Inlet Duct

specifications

The inlet duct shall be designed using CFD modeling and actual thermal lab verification, and shall be compatible with Cisco® Nexus N2K and Catalyst 4948E. The inlet duct shall optimize thermal performance by channeling air directly from the cold aisle to the switch inlet decreasing operating temperature. The passive inlet duct shall enable higher temperature set points in the data center resulting in reduced energy costs. The modular duct shall be capable of being installed in retro-fit applications and allow access to fan and power supply modules without disrupting existing in-cabinet equipment and cabling.

technical information

Overall dimensions: CDE2: 29.0"L x 19.0"W x 3.5"H (737mm x 449mm x 88mm)

key features and benefits

Provides a cool air path to the switch

Inlet duct for uniform and low impedance flow distribution within switch:

Passive inlet duct for cool air to the switch

Day one or two installation

Enables installation in 19 inch 4 post racks and cabinets

Allows for installation in cabinets with mounting depths from 24” – 30” (610 – 762mm)

Allows access to power supplies and fan blades

Support bracket supports switch during installation

applications

Top of Rack (ToR) switches, such as the Cisco® Nexus 2000 series, are designed to meet the server-access networking requirements of the virtualized data center. When deployed within server cabinets or racks, the modular duct provides a cool air path to the air intakes of the switch. By providing a path for cool air to the switch, data center temperature set points can be raised – resulting in higher energy efficiencies and lower operating costs.

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*For additional information on Net-Access™ Cabinets, refer to brochure SA-RKCB16.
Dimensions are in inches. [Dimensions in brackets are metric].

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