Thermal Inlet Duct for the Cisco^ MDS 9513 Multilayer Director Switch For Net-Access™ N-Type Cabinets

PANDUIT®

specifications

The thermal inlet duct shall be designed to be compatible with the Cisco^ MDS 9513 switch using Computational Fluid Dynamics (CFD) modeling and verified via operational testing. The inlet duct shall consist of two inlet ducts (top 2 RU and bottom 3 RU) and a side duct to feed cool air from the cold aisle to the switch's side inlet and prevent hot exhaust recirculation. The modular duct shall be capable of being installed in a retrofit application without disrupting existing in-cabinet equipment and cabling.

technical information

Dimensions:	35.17 "L x 23.33"W x 5.00"D (894mm x 593mm x 127mm)

key features and benefits

Passive airflow	No additional moving parts or power required for a more reliable, efficient, economical and environmentally friendly system
Certified performance	Designed and validated thermal performance by Panduit
Physical separation between inlet and exhaust airflow	Segregates inlet and exhaust airflow preventing hot air recirculation reducing inlet temperatures
Inlet duct design	Ensures the cabinet is containment ready for vertical exhaust ducting (VED) and Cold Aisle Containment
Maximized space utilization	Allows the switch to be deployed in a 800mm wide Panduit cabinet without sacrificing thermal performance
Energy efficiency	Provides cool air to the switch resulting in lower fan speed reducing fan power consumption
Day one or two installation	Eliminates the requirement to replace or disturb existing cabinets, equipment and infrastructure for lower capital expenditures and minimized risk
Easy access	Allows access to the power supplies and fan modules minimizing network downtime
Integral bonding to cabinet	Cabinets and accessories are single-point bonded, providing a safe and reliable network, while reducing installation costs

applications

The Cisco^ MDS 9513 Multilayer Director is a high-performance, protocol-independent, director-class SAN switch that meets stringent enterprise data center storage requirements. Panduit has developed a comprehensive physical infrastructure solution for the 9513 switch platform.

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.

^Cisco is a registered trademark of Cisco Technology, Inc.

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Inlet Duct for End of Row (EoR) Switching Applications

Inlet duct:	DIBBC2314S21W

Net-Access™ N-Type Cabinets for Use in Hot Aisle/Cold Aisle Applications*

800mm W x 42 RU x 1070mm D:	N821*^
800mm W x 42 RU x 1200mm D:	N822*^
800mm W x 45 RU x 1070mm D:	N851*^
800mm W x 45 RU x 1200mm D:	N852*^
800mm W x 48 RU x 1070mm D:	N881*^
800mm W x 48 RU x 1200mm D:	N882*^

Net-Access™ N-Type Cabinet Accessories

Net-Access™ N-Type Vertical Blanking Panels with pass-through holes for cabinets 42 RU through 48 RU:	NVBP

Net-Access™ N-Type Cabinets for Use with Vertical Exhaust Ducting

800mm x 45 RU x 1200mm	
45 RU, front dual hinge door, rear solid split doors, cage nut rails, vertical blanking panels, cable management vertical exhaust duct ready:	N8529^Y
45 RU, front dual hinge door, rear solid split doors, (1) side panel, cage nut rails, vertical blanking panels, cable management vertical exhaust duct ready:	N8521^Y
45 RU, front dual hinge door, rear solid split doors, 12-24 tapped rails, vertical blanking panels, cable management vertical exhaust duct ready:	N8529^N
45 RU, front dual hinge door, rear solid split doors, (1) side panel, 12-24 tapped rails, vertical blanking panels, cable management vertical exhaust duct ready:	N8521^N

Vertical Exhaust Ducting for 800mm W Net-Access™ N-Type Cabinets

16" up to 26"H:	C2VED08I1626^1
26" up to 38"H:	C2VED08I2638^1
38" up to 66"H:	C2VED08I3866^1

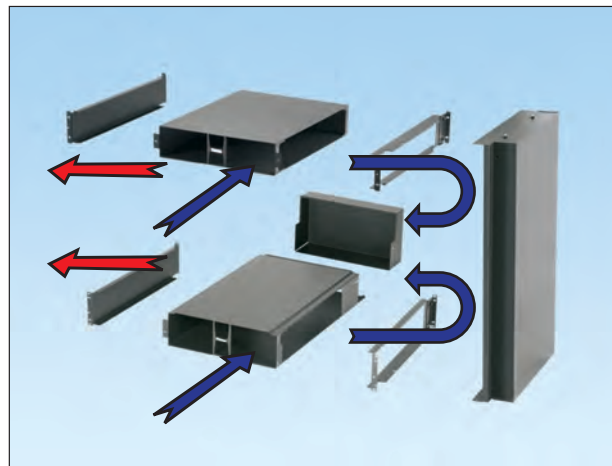### Net-Access™ N-Type Cabinets for Use in Cold Aisle Containment Applications

800mm W x 42 RU x 1070mm D:	N821*^U
800mm W x 42 RU x 1200mm D:	N822*^M
800mm W x 45 RU x 1070mm D:	N851*^U
800mm W x 45 RU x 1200mm D:	N852*^U

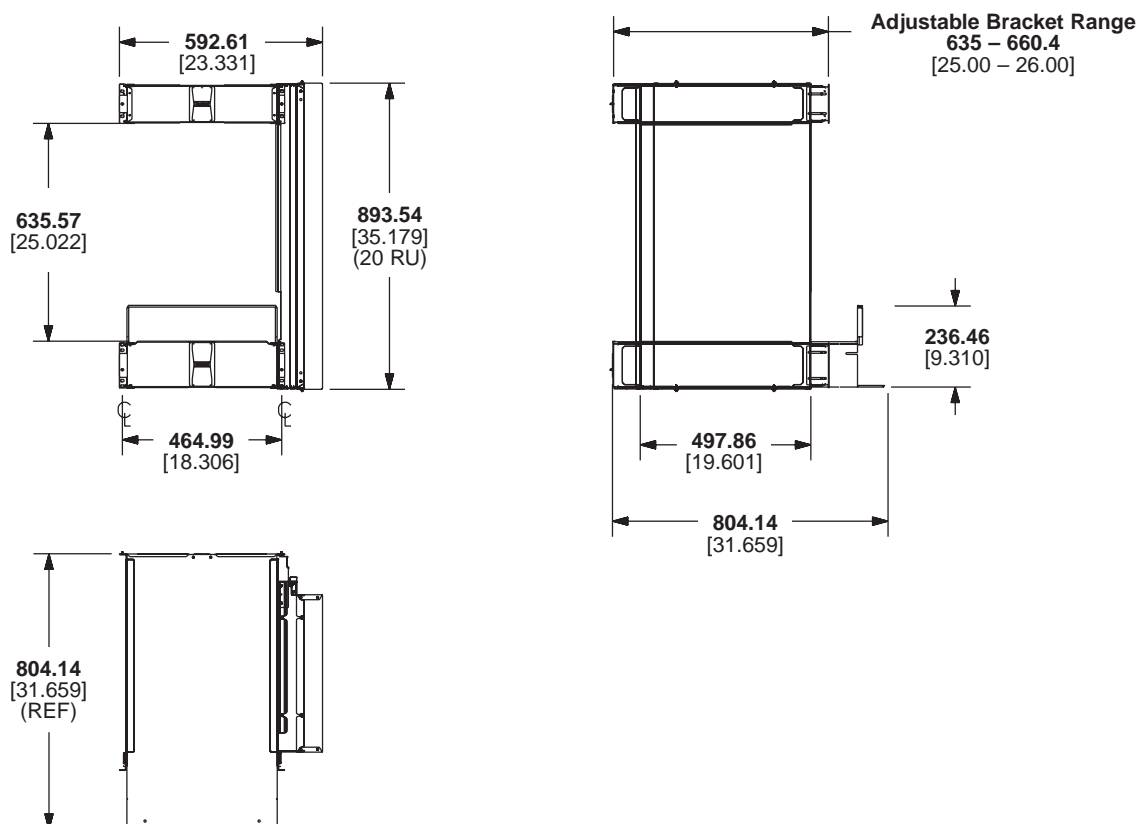### Net-Contain™ Sliding Door Low Profile Cold Aisle Containment System

Integral low profile ceiling structures Net-Access™ 800mm Cabinets	
4' (1200mm) aisle width:	C2CAC08F04IR^1
6' (1800mm) aisle width:	C2CAC08F06IR^1
End of row dual sliding doors	
6" (1800mm) aisle width:	C2CACT5F06SD^1
4" (1200mm) aisle width:	C2CACT5F04SD^1
Wall panel (800mm):	C2CAC08F08WP^1

*Indicates Net-Access™ N-Type Cabinet Standard Side Panel.
Replace * with: 1 = 1 side panel, 2 = 2 side panels, or 9 = no side panels.
^Indicates optional colors.
Replace ^ with: B = Black or W = White.

Switch application

592.61
[23.331]

635.57
[25.022]

893.54
[35.179]
(20 RU)

464.99
[18.306]

Adjustable Bracket Range
635 – 660.4
[25.00 – 26.00]

236.46
[9.310]

497.86
[19.601]

804.14
[31.659]

804.14
[31.659]
(REF)

Dimensions are in inches. [Dimensions in brackets are metric].

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