System Specifications

Environmental Specifications

Environment		Specification
Temperature	Ambient operating temperature	32 to 104°F (0 to 40°C)
	Ambient nonoperating	–40 to 158°F (–40 to 70°C)
Relative humidity	Nonoperating	5 to 95%
	Operating	5 to 90%
Altitude	Operating	0 to 13,123 feet (0 to 4,000 meters)

Switch Dimensions

Switch	Width	Depth	Height
Cisco Nexus 9332D-H2R	17.3 inches (43.9 cm)	29.3 in (74.5 cm)	1.72 inches (4.4 cm) (1 RU)

Switch and Module Weights and Quantities

Component	Weight per Unit	Quantity
Cisco Nexus 9332D-H2R Chassis (N9K-C9332D-H2R)	31.54 lb (14.30 kg)	1
Fan Module – Port-side intake (burgundy) (NXA-SFAN-35CFM-PI)	— 0.26 lb (0.12 kg)	6
Power Supplies – 2000-W AC port-side intake (burgundy) (NXA-PAC-2KW-PI) – 2000-W DC port-side intake (burgundy) (NXA-PDC-2KW-PI) – 2000-W HVDC port-side intake (burgundy) (NXA-PHV-2KW-PI)	— 2.64 (1.2 kg)	2 (1 for operations and 1 for redundancy)

Transceiver and Cable Specifications

To see the transceiver specifications and installation information, see https://www.cisco.com/c/en/us/support/interfaces-modules/transceiver-modules/products-device-support-tables-list.html.

Switch Power Input Requirements

The following table lists the typical amount of power that the switch consumes. It also lists the maximum amount of power that you must provision for the switch and power supply for peak conditions.

Note Some power supplies have capabilities that are greater than the maximum power requirements for a switch. To determine the power consumption characteristics for the switch, use the typical and maximum requirements that are listed in the following table.

Switch	Typical Power Consumption (AC or DC)	Maximum Power Consumption (AC or DC)	Heat Dissipation Requirement
Cisco Nexus 9332D-H2R	1015 W	1900 W	6,483.069 BTUs per hour

Power Specifications

Power specifications include the specifications for each type of power supply module.

2000-W AC Power Supply Specifications

These specifications apply to the NXA-PAC-2KW power supplies.

Property	Specification
Power	2000 W
Input Voltage	200-240 VAC, 12A, 50/60 Hz or -48 to -60Vdc, 55A or 200-277 VAC, 12A, 50/60Hz or 240V-380VDC, 12A
Frequency	50 to 60 Hz
Efficiency	90% or greater (20 to 100% load)
Redundancy Modes	Combined, *n*+1, and *n*+*n*
RoHS Compliance	Yes
Hot Swappable	Yes

2000-W HVAC/HVDC Power Supply Specifications

These specifications apply to the NXA-PHV-2KW power supplies.

Property	Specification
Power	2000 W
Input Voltage	180 to 305 VAC or 192 to 400 VDC
Frequency	50 to 60 Hz
Efficiency	90% or greater (20 to 100% load)
Redundancy Modes	Combined, *n*+1, and *n*+*n*
RoHS Compliance	Yes
Hot Swappable	Yes

2000-W DC Power Supply Specifications

These specifications apply to the NXA-PDC-2KW power supplies.

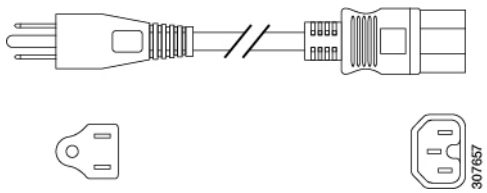
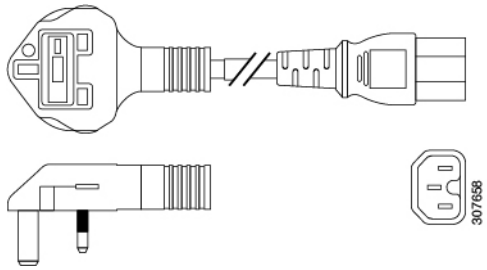
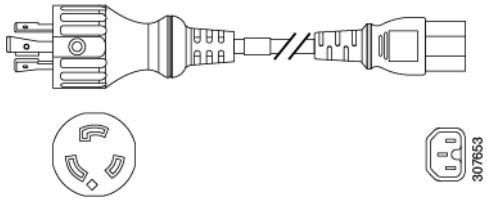
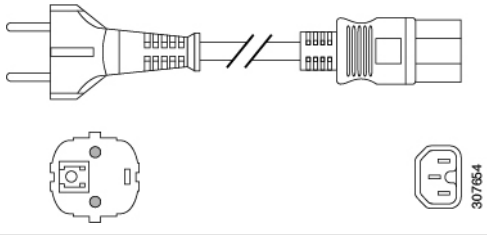
Property	Specification
Power	2000 W
Input Voltage	Minimum to Maximum: -40 to -70 VDC Nominal: -48 to -60 VDC

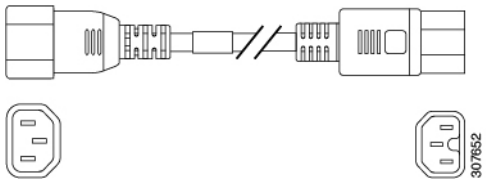
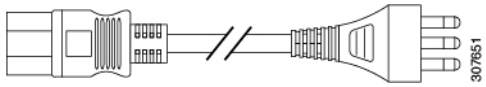
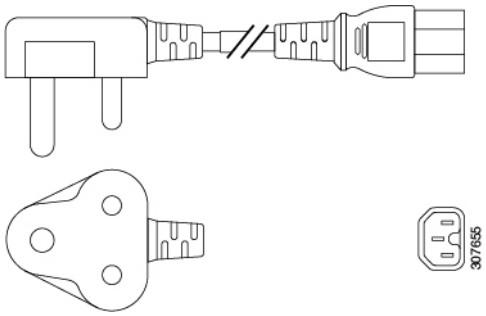
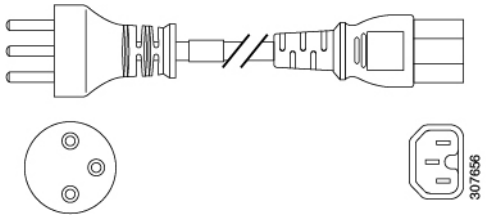
Property	Specification
Frequency	-
Efficiency	90% or greater (20 to 100% load)
Redundancy Modes	Combined, *n*+1, and *n*+*n*
RoHS Compliance	Yes
Hot Swappable	Yes

Power Cable Specifications

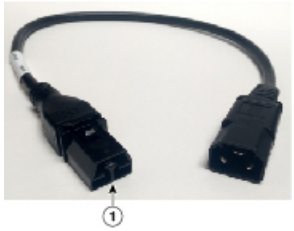
The following sections specify the power cables that you can order and use with this switch.

Power Cables for NXA-PAC-2KW Power Supplies

Cable	Description	Illustration
CAB-TA-NA	North America AC Type A Power Cable	
CAB-TA-UK	United Kingdom AC Type A Power Cable	
CAB-TA-250V-JP	Japan 250V AC Type A Power Cable	
CAB-TA-EU	Europe AC Type A Power Cable	

Cable	Description	Illustration
CAB-C15-CBN	Cabinet Jumper Power Cord, 250 VAC 13A, C14-C15 Connectors	
CAB-ACBZ-12A	AC Power Cord (Brazil) 12A/125V BR-3-20 plug up to 12A	
CAB-TA-IN	India AC Type A Power Cable	
CAB-TA-IS	Israel AC Type A Power Cable	

HVAC/HVDC Power Cables Supported by ACI-Mode and NX-OS Mode Switches

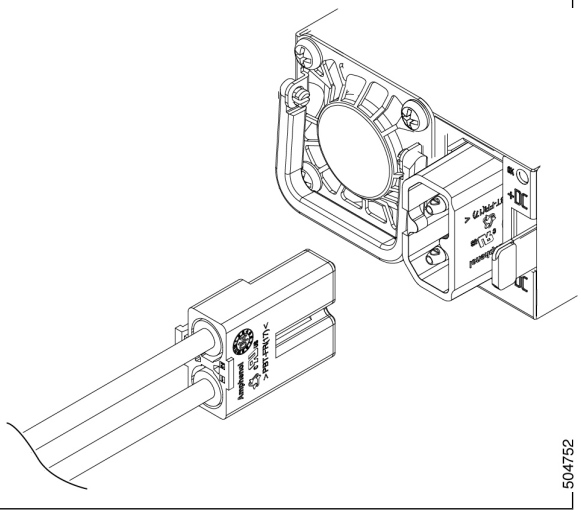
Part Number	Cord Set Description	Photo
CAB-HVAC-SD-0.6M	HVAC 2-foot (0.6 m) cable with Saf-D-Grid and SD connectors 277V AC	
CAB-HVAC-C14-2M	HVAC 6.6-foot (2.0 m) cable with Saf-D-Grid and C14 (use for up to 240 V) connector 250V AC	

Part Number	Cord Set Description	Photo
CAB-HVAC-RT-0.6M	HVAC 2-foot (0.6 m) cable with Saf-D-Grid and RT connector 277V AC	
CAB-HVDC-3T-2M	HVDC 6.6-foot (2.0 m) cable with Saf-D-Grid and three terminal connectors 300V AC / 400V DC (+200/-200 V DC)	
NO-POWER-CORD	All except Argentina, Brazil, and Japan No power cord included with switch	Not applicable

Table 1: HVAC/HVDC Power Cables Callout Table

1	Connect this end to the power supply unit.

DC Power Cable Specifications

Part ID Number	Description	Photo
NXA-PDC-2KW-PE/PI	The 2000W DC poser supply (NXA-PDC-2KW-PE/PI) is not shipped with a connector. You must purchase the cable (PWR-2KW-DC-CBL) separately.	

Regulatory Standards Compliance Specifications

The following table lists the regulatory standards compliance for the switch.

Table 2: Regulatory Standards Compliance: Safety and EMC

Specification	Description
Regulatory compliance	Products should comply with CE Markings according to directives 2004/108/EC and 2006/95/EC.
Safety	• CAN/CSA-C22.2 No. 60950-1 Second Edition • CAN/CSA-C22.2 No. 62368-1-19 Third Edition • NRTL 60950-1 Second Edition • IEC 62368-1 • EN 62368-1 • AS/NZS 62368-1 • GB4943 • UL 62368-1
EMC: Emissions	• 47CFR Part 15 (CFR 47) Class A • AS/NZS CISPR22 Class A • CISPR22 Class A • EN55022 Class A • ICES003 Class A • VCCI Class A • EN61000-3-2 • EN61000-3-3 • KN22 Class A • CNS13438 Class A
EMC: Immunity	• EN55024 • CISPR24 • EN300386 • KN 61000-4 series
RoHS	The product is RoH-6 compliant with exceptions for leaded-ball grid-array (BGA) balls and lead press-fit connectors.