Prepare to install cabinet

ONTAP Systems

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Prepare to install cabinet

System cabinet features

The system cabinet consists of side panels, front and rear doors, an optional bolt-down kit, an optional interconnect kit, PDUs for your equipment, and an integrated cable management system.

Feature	Description
Side panels	System cabinets have lockable, removable, and interchangeable side panels.
Perforated front and rear doors	System cabinets have removable front and rear doors with a quick release mechanism. The front door is reversible, and the rear doors are split. Both doors are perforated for cooling.
Common key	This key unlocks the front doors, rear doors, and side panels.
Spares kit	This kit is inside the system cabinet, attached to the cabinet door. It contains the following components: • Four 10-32 x 0.75 inch Phillips pilot screws • Four 10-32 cage nuts • One cage nut insertion tool • Two master key copies
Cable access	Cable pass-throughs are built into the top and bottom of the cabinet, as well as between the bottom of the rear door and the frame.
Cable management	Cable management hook and loop strapping is attached to the frame of the system cabinet at equal intervals.
Support rails	The number of support rails you receive depends on your configuration. The empty system cabinet is shipped with no support rails installed. • For configured system cabinets, one fixed rail kit is shipped with the system cabinet to support the 80xx, FAS8200, and DS4486 rear hold-down brackets. • Quick-ship system cabinets do not include the additional fixed rail kit.
Blanking panels	The number and size of blanking panels you receive depends on your configuration. The empty system cabinet is shipped with no blanking panels installed.

Feature	Description
Bolt-down kit	This optional kit enables you to secure the system cabinet to the data center floor. The kit it is not intended for seismic stability. • Four bolt-down brackets • Four spacer brackets • Six M8x20 mm hex head bolts and washers
Interconnect kit	This optional kit enables you to connect multiple system cabinets to each other. • Interconnect brackets ◦ One set of four interconnect brackets for connecting the system cabinets with side panels on ◦ One set of four interconnect brackets for connecting the system cabinets with the side panels off • Four M12x20 Torx-30 screws used in system cabinet with side panels on. • Eight M6x10 countersunk Torx-30 screws used in system cabinet with side panels off.
Support rail kit	If you ordered additional support rails with your system cabinet, each kit contains one left and one right support rail. The support rails and kit are designed to fit only the NetApp 42U 1280 mm system cabinet. Do not use the rails or a rail kit from other system cabinets because they are not designed for use in the 42U 1280 mm system cabinet. • A left and right support rail • Two screws per rail for securing the rail to the system cabinet frame
Crescent wrench	The crescent wrench is used to remove the hold-down brackets on the packing pallet, adjust the system cabinet leveling feet, and install the bolt-down kit brackets, if ordered.

Required tools and equipment

Before unpacking and installing on your system cabinet, you should gather the necessary tools and equipment to move the system cabinet into place and install it or to perform maintenance on it.

- The appropriate hardware guide for your disk shelves
- The appropriate installation and setup instructions for your system

All Flash FAS Documentation Resources

FAS Storage Systems documentation resources

- #1 and #2 Phillips screwdrivers
- Torx driver for system cabinet screws
- Leveling tool for leveling the system cabinet

Space requirements and system cabinet dimensions

When unpacking your system cabinet, you must make sure that you have enough room to remove the system cabinet from the packing material. Also make sure that the intended location for the system cabinet is large enough for you to move the cabinet into place.

Required space for unpacking the system cabinet

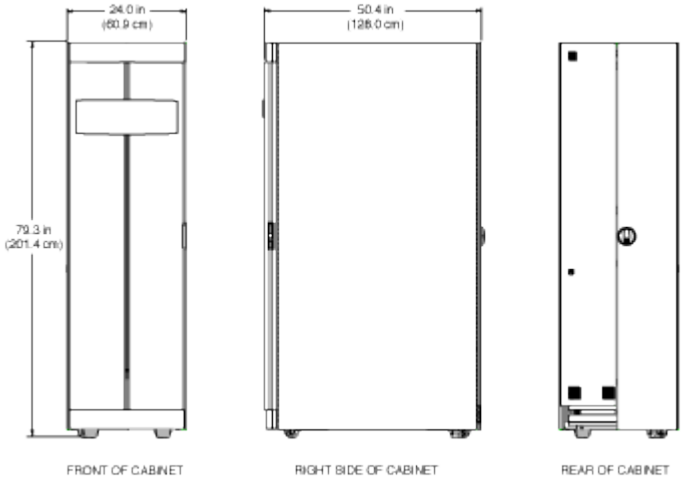
The following table defines the requires space needed to unpack and install your system cabinet:

Dimensions	U.S.
Metric	Shipping ramp length
80 in.	203.2 cm
Clearance beyond the ramp for cabinet mobility	72 in.
182.9 cm	Shipping pallet depth
59 in.	149.9 cm
Shipping pallet width	42 in.
106.6 cm	Shipping pallet and packaging height
86 in.	218.4 cm
Total rack space, 42U	73.5 in.
186.7 cm	Rail load capacity
Supports all current systems	Supports all current systems
Empty weight	~400 lbs (~181 kg) lbs

Dimensions	U.S.
~ 181 kg	Fully loaded ship weight
Up to 1,800 lbs	Up to 816.5 kg
Fully loaded static weight	Up to 2,700 lbs
Up to 1,224.7 kg	Front service clearance
47.2 in.	120 cm
Rear service clearance **Note:** The rear door is split. Actual minimum rear clearance is approximately 1/2 the recommendation.	30 in.
76.3 cm	Minimum side clearance for panel removal
24 in.	61 cm
Minimum top clearance	12 in.

System cabinet exterior dimensions

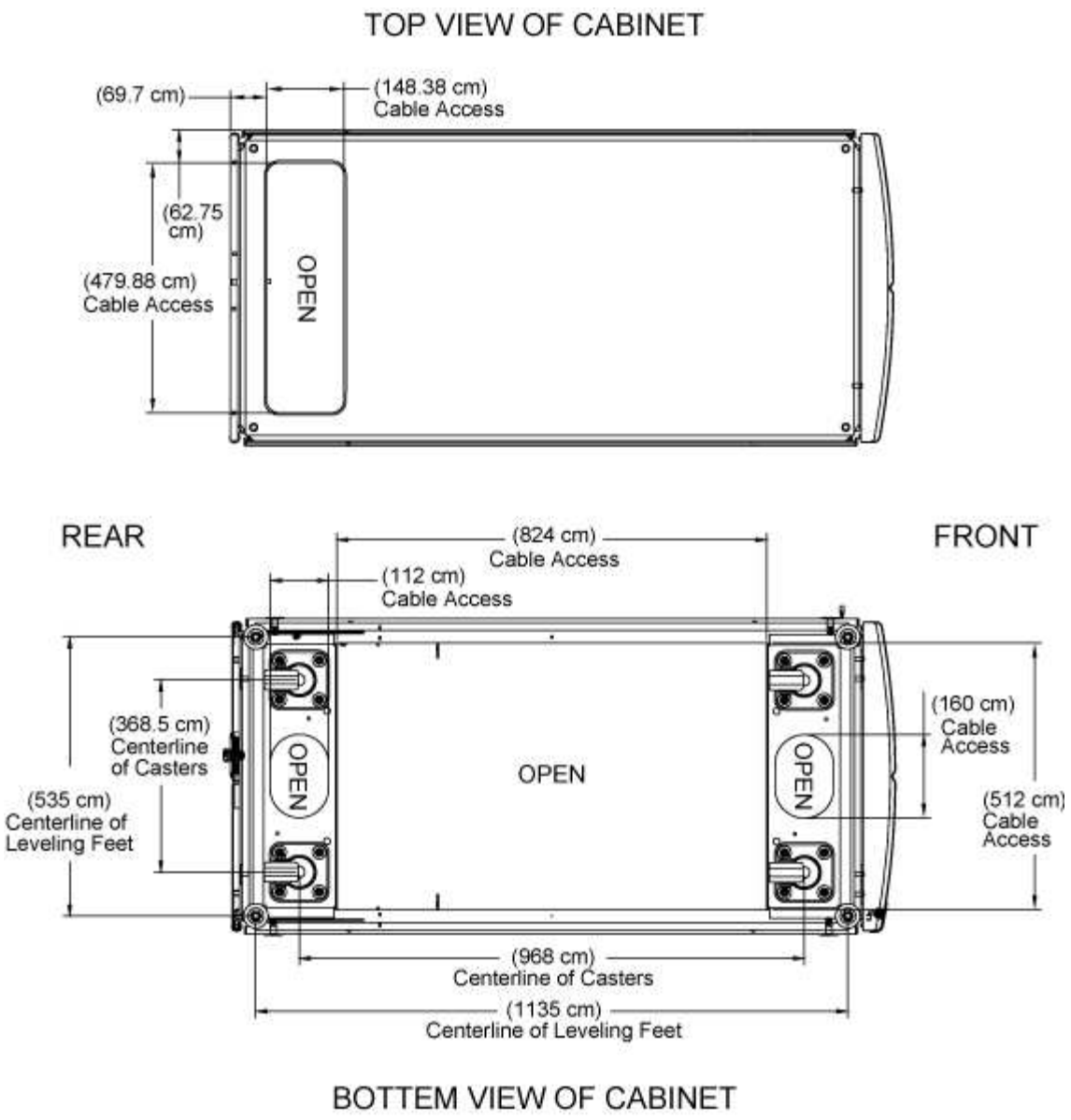
The following illustration shows the front, rear, and side views of the system cabinet:



The following illustrations show top and bottom views of the system cabinet, and identify the openings through which you can run cable bundles from the floor of your data center into the system cabinet. The illustrations also show the location of the system cabinet casters and leveling feet.

CAUTION:

To prevent your system cabinet from falling through the data center floor, do not attempt to roll the system cabinet over a floor opening that is wider than the cable access opening at the bottom of the system cabinet.



Supported PDU types and specifications

The system cabinet supports different Power Distribution Unit (PDU) types. The PDUs are compliant with NEMA or IEC.

The most current information for PDUs supported in your system cabinet is listed in the Hardware Universe.

hwu.netapp.com

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