



IBM BladeCenter Foundation for Cloud Site Requirements Document (SRD)

To ensure a successful installation of an IBM BladeCenter Foundation for Cloud 42U rack configuration, this document outlines key information for the Site Facilities team. **Note: It's critical for the Facilities Coordinator at the customer site to review this information in advance to ensure that the site is enabled prior to delivery of the IBM solution.**

This document only covers physical infrastructure requirements and assumes a separate analysis has been conducted to assess the suitability of the rack configuration for particular workloads.

The following table summarizes the physical characteristics of the equipment based on the size of the configuration (Small, Medium, Large), including hardware power and cooling requirements.

	Small	Medium	Large
# of Blades	4 Blades	5 - 14 Blades	15 - 28 Blades
Current (@200V)	43.11A	47.01A	90.09 A
# of Racks	1	1	1
Max Power Load	10748 W	11468 W	22168 W
Power and Number of PDUs, Customer provided receptacles	(2) PDUs (2) power receptacles meeting appropriate country standards (i.e., For US, 60 AMP Single Phase power receptacles -- IEC 309 2P+G)	(4) PDUs (4) power receptacles meeting appropriate country standards (i.e., For US, 60 AMP Single Phase power receptacles -- IEC 309 2P+G)	(6) PDUs (6) power receptacles meeting appropriate country standards (i.e., For US, 60 AMP Single Phase power receptacles -- IEC 309 2P+G)
Total BTU	36652 btu/hr	39112 btu/hr	75648 btu/hr
Max. Customer Cable Connections	(2) 1G Ethernet, (4) 10G Ethernet fiber, (4) 8G FC	(2) 1G Ethernet, (6) 10G Ethernet fiber, (4) 8G FC	(2) 1G Ethernet, (12) 10G Ethernet fiber, (4) 8G FC
Total Weight	518 kg	594 kg	874 kg
Rack Dimensions (HxWxD)	2020 x 648 x 1105 mm (79.5 x 25.5 x 43.5 in)		
Palletized Dimensions (HxWxD)	2210 x 818 x 1295 mm (87.0 x 32.2 x 51.0 in)		
Pallet Weight	950kg. (Max)		

Notes:

- Loading docks, doorways, passageways and elevators should be of sufficient capacity to allow receipt and delivery of the rack to the final location of installation.
- All cables will exit the bottom of the rack.

If there are concerns associated with these requirements, please contact your IBM Sales Team... thank you!

Figure 1 illustrates the layout of the components included in the IBM BladeCenter Foundation for Cloud rack (Large configuration shown). The layout of the rack solution delivered to your site may vary based on your specific configuration. Also note that line cord connectors will exit the bottom of the rack and vary by country. Figure 1 shows an example for the U.S.

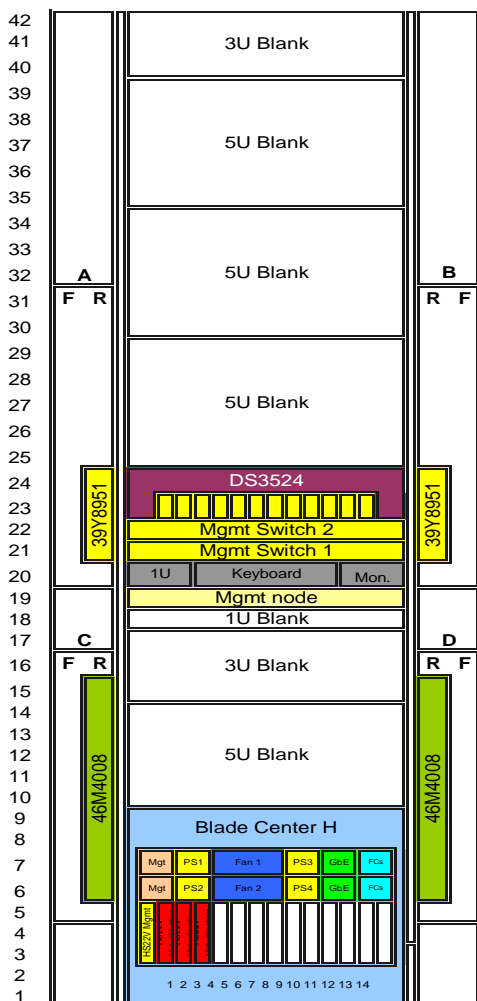


Figure 1: Example of Small IBM BladeCenter Foundation for Cloud Rack

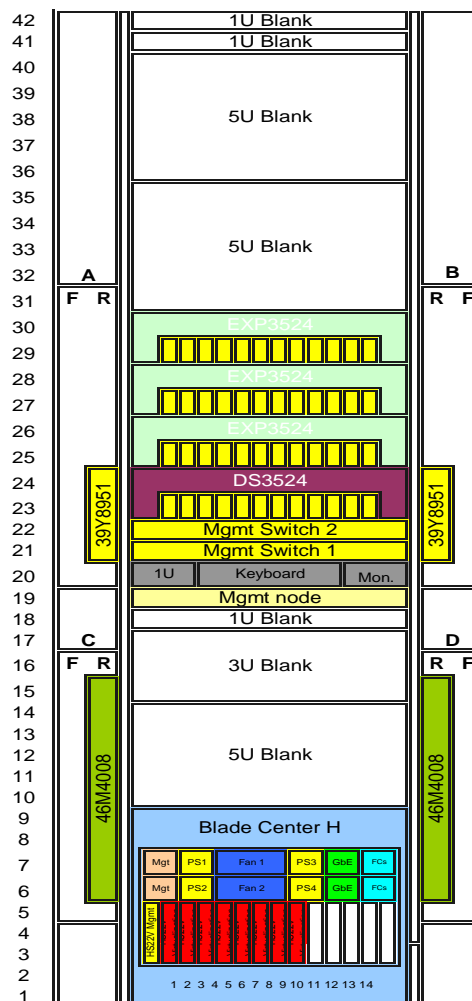


Figure 2: Example of Medium IBM BladeCenter Foundation for Cloud Rack

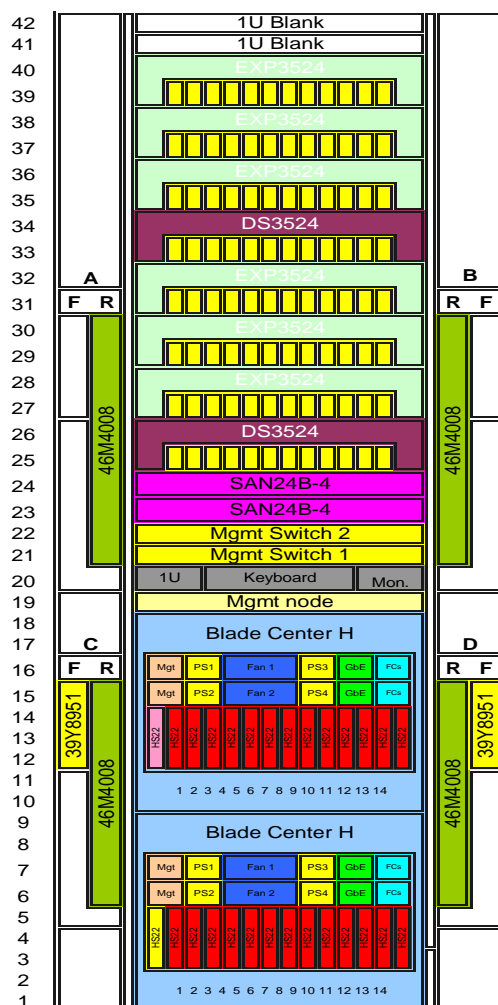


Figure 3: Example of Large IBM BladeCenter Foundation for Cloud Rack

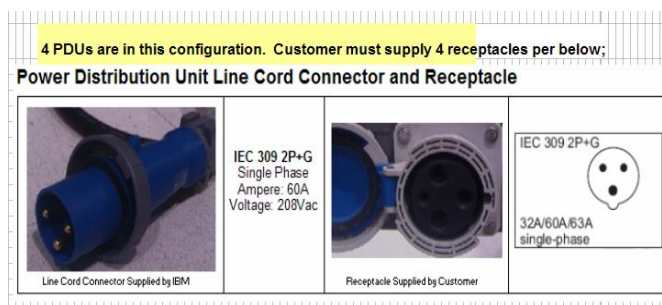


Figure 4: Example of IBM BladeCenter Foundation for Cloud Rack US Cord Connectors

If you experience any technical issues with IBM BladeCenter Foundation for Cloud Rack and require assistance, please contact IBM Support (<http://www-03.ibm.com/systems/bladecenter/support/>).