

Vertiv Knürr DCM[®] Server Rack

Data Sheet



General

The Knürr[®] DCM Server Rack is a modular aluminum frame-based rack. The rack is developed for high load capacity up to 1500 kg. The clever, fully integrated T-Slot system in the aluminum extrusions also allows free configuration of accessories and makes it easy to install each and every component.

Made from aluminum, Vertiv Knürr DCM is extremely light, minimizing raised floor loading and making it easy to transport and set up.

System description

- Right rack size for every application – worldwide available
- Useful for global standardization in data center planning Cooling racks, power racks and server racks on Knürr[®] DCM basis guarantee integration into the rack suite
- Metric dimensions for global application
- Maximum space for power-supply and cabling components allowing them to be placed alongside the panels
- Structural stability with low weight provided by light aluminum structure that can be disassembled
- More variability with step less, adjustable-depth, air containment with vertical extrusions

Features

- Special 19" server extrusions for mounting all trade standard 19" servers
- 19" extrusions are infinitely variable adjustable
- Airflow optimized doors at front and rear side, with 83% of perforation
- Light aluminum frame for an easier transportation and build up, made from extruded aluminum sections, consisting of inserted aluminum die cast corner connections and horizontal and vertical aluminum extrusions with integrated T grooves for the attachment of cabinet accessories, cable guides, rails, bars and other accessories
- Tool-less door assembly
- Heavy-duty castors enable easy and safe transport, even of fully equipped racks
- Cable entry via top cover and bottom cover allow to remove and replace easily new cables
- Cable management guaranteed orderly and space-saving cable management. Adaptable to site installation requirements: cable management can be selected from an extensive range of accessory components
- Adjustable-depth air separation Cold/warm air is sealed alongside the panels, permitting adjustment of the depth. The standard air-containment accessory (with 1 U slot) can be used to increase the usable space of your server rack up to 6 U



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Items supplied

- 1 x aluminum base frame.
- 4 x 19" steel sheet breadboard sections with U-labeling for the assembly of standard 19" servers.
- 2 x side panels with quick release fasteners.
- 1 x top cover with rear cable inlet (three-part sliding plate to be opened fully).
- 1 x single-leaf perforated front door with a lever for the inclusion of a closing cylinder.
- 1 x double-leaf perforated rear door with a lever for the inclusion of a closing cylinder.
- 1 x complete earthing set (VDE 0100).
- 4 x leveling feet

DCM® Models

- DCM® Server Rack, stationary, with side panels, perforated sheet steel doors in front and rear
- DCM® Server Rack, stationary, without side panels, perforated sheet steel doors in front and rear
- DCM® Server Rack, mobile, with side panels, perforated sheet steel doors in front and rear
- DCM® Server Rack, mobile, without side panels, perforated sheet steel doors in front and rear

Finish / Color

- Material / surface:
 - Base frame: aluminium
 - Cover parts: galvanized steel sheet, powder-coated structure.
 - Doors: steel sheet, powder-coated structure.
 - 19" galvanized steel sheet, 2mm.
- Standard color RAL 7021 darkgrey and RAL 7035 light-grey available

Standards

- For components according to IEC 297-3 / EIA 310
- Installation dimensions according to IEC 60297-1 and IEC 60267-2
- Additional components such as doors, side sections, covers and bases are earthed by means of earth conductors according to DIN EN 60950 and VDE 0100 T450.
- Loading capacity: 15000 N static
- Protection type: IP-20 EN 60529
- Verifications: Earthing according to VDE 0100 T 540. DIN EN 60950

Physical Dimensions

Height	Width	Depth
2000mm	600mm	1200mm
2200mm	600mm	1200mm
2000mm	800mm	1200mm
2200mm	800mm	1200mm