



Vertiv™ Knürr® MIR2®

One system with Infinite Possibilities

Vertiv™ Knürr® MIR®, the classic amongst innovative racks, is demonstrated by the long-standing and continuous satisfaction of our customers.

Drawing on Vertiv's extensive experience with a wide range of applications, Miracel has now been adapted for network and server applications. The innovative Vertiv Knürr MIR2 has been designed to meet current requirements in order to ensure that it will continue to meet customers' needs well into the future.

For both network and server applications, the highly versatile Vertiv Knürr MIR2 combines various components and applications in one place.

Being a modular rack system, it can easily be expanded at any time and the cable entry points can be flexibly tailored for specific needs.

With a load rating of 800 kg, Vertiv Knürr MIR2 is a **cleverly designed space-saving rack** that offers ample space for a wide range of equipment and, thanks to the absence of depth members, also present at the sides, it provides maximum flexibility with the greatest possible space for cables and cooling components.

This rack's integrated castors and doors also make it easy to move without needing to be tilted.

Made from aluminum, Vertiv Knürr MIR2 is extremely **light**, minimizing raised floor loading and making it easy to transport and set up. The clever, fully-integrated T-slot system in the aluminum extrusions also allows for the free configuration of accessories and makes it easy to install each and every component.



Vertiv™ Knürr® MIR2®

Benefits of an All-in-One Server and Network Rack

Vertiv™ Knürr® MIR2® – Technical Data

■ Material

- Extruded aluminum.
- Corner piece: die-cast aluminum.
- Casing: galvanized steel sheet.
- Doors: steel sheet.

■ Installation dimensions in accordance with IEC 60297-1 and IEC 60297-2

- Height: 42 HE / 47 HE
(1 HE (or 1U) = 44.45 mm).
- Width: 482.6 mm (19" version).

■ Available space

- 80 mm jumpering space at the front, 215 mm ranges; customizable up on request.
- Internal hinge: 130° for rack suites: 160° for stand-alone racks.
- External hinge: 180° for stand-alone racks and rack suites.

■ Installation options

- Stationary: on levelling feet.
- Mobile: with castor mounting and levelling feet.

■ Finish / Colour

- Basic rack: polished.
- Visible surface of casing, powder-coated RAL 7021 dark-grey and RAL 7035 light-grey.

■ Static load rating

- 8000 N (stationary version).
- 4000 N (mobile version).

■ Tests depending on the design

- Earthing and earth wire test in accordance with DIN EN 60950.
- Other standards and certificates upon request.

■ Rack suites

To create a rack suite with "n" racks, you will need:

- 1 x rack without side panels and one rack with side panels.
- 1 x set of rack connectors per connection.





83% Perforation offers optimal airflow



Easy access on all sides enables comfortable service and repair



Raised height from 41/46U up to 42/47U



Load rate raised from 500kg up to 800kg



Light weight aluminium construction, minimizes raised floor loading



Clicksystem, easy mounting accessories



Modular design makes it easy to combine with DCM racks and Smart Aisle Containment



Castors for easy transport



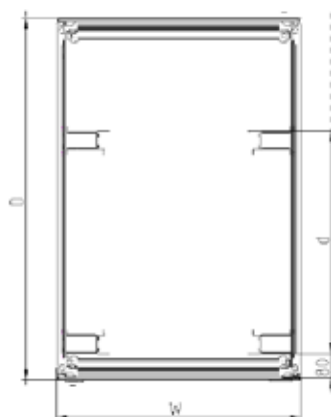
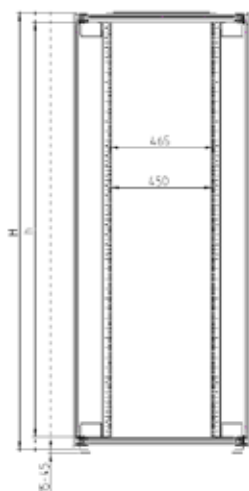
BENEFITS OF AN ALL IN ONE RACK

Vertiv™ Knürr® MIR2® – Server Rack – Features





Vertiv Knürr MIR2 Server Rack



Vertiv™ Knürr® MIR2® – Server Rack

- With fixed 19" mounting on the front and rear for IEC 297-3-compliant components.
- Perforated single leaf front and rear doors.
- Special 19" server extrusions for mounting all trade-standard 19" servers.
- Components compliant with IEC 297-3.
- Cable entry via base and top cover.
- Cable entry on the top cover, at the rear, can be completely removed, allowing the top cover to be fitted and removed after cabling.

■ Jumping space

- Front: 80 mm.

■ Load rating

- 8000 N static.

■ Protection rating

- IP 20.

■ Tests

- Earthing compliant with VDE 0100 T 540.
- Earthing compliant with DIN EN 60950.
- IP test EN 60529.

■ Material / Finish

- Basic rack: extruded aluminum.
- Corner piece: die-cast aluminum, polished.
- Covers: galvanized steel sheet, powder-coated texture.
- Doors: steel sheet, powder-coated texture.
- 19" extrusions, 2.0 mm galvanized steel sheet.

■ Colour

- x = .1 visible surfaces and covers, RAL 7035 light-grey.
- x = .8 visible surfaces and covers, RAL 7021 dark-grey.

■ Included in delivery

- 1 x basic rack.
- 4 x 19" steel sheet server extrusions with HE markings.
- 2 x side panels with quick connectors.
- 1 x top cover with cable entry rear (three-piece sliding plates, can also be fully opened).
- 1 x front door, single leaf, with handle and mounting for cylinder lock.
- 1 x rear door, single leaf, with handle and mounting for cylinder lock.
- 1 x complete earthing kit (VDE 0100).
- 4 x levelling feet.

■ Delivered

- Assembled.

■ Note

For drawers, pull-out shelves and slot-in runners, please also order the extrusion adapter 01.1476409.

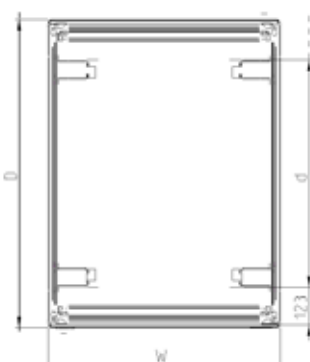
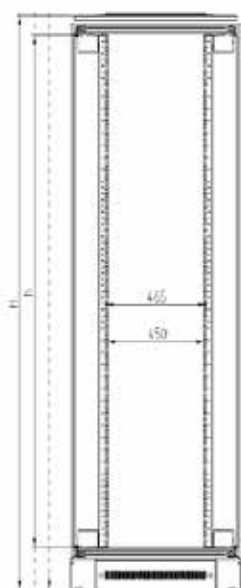
W	H	D	U	h	d	kg	Order No.	Units
600	1969	1000	42	1873	740	84	01.157.007.x-026	1 unit
600	2191	1000	47	2095	740	91	01.157.007.x-036	1 unit
600	1969	1200	42	1873	740	90	01.157.007.x-028	1 unit
600	2191	1200	47	2095	740	98	01.157.007.x-038	1 unit
800	1969	1000	42	1873	740	107	01.157.011.x-026	1 unit
800	2191	1000	47	2095	740	116	01.157.011.x-036	1 unit
800	1969	1200	42	1873	740	111	01.157.011.x-028	1 unit
800	2191	1200	47	2095	740	123	01.157.011.x-038	1 unit

Vertiv™ Knürr® MIR2® – LAN Rack – Features





Vertiv Knürr MIR2 Netzwerk Schrank



Vertiv™ Knürr® MIR2® – Network Rack

- With fixed 19" mounting on the front and rear for IEC 297-3-compliant components.
- Installation of slot-in runners, drawers, pull-out shelves and cable management equipment.
- Cable entry via plinth and top cover.
- Cable entry on the top cover, at the rear; top cover can be attached / removed after equipment installation.
- Heat is discharged via the raised top cover.
- Door opening angle 160° internal hinges.

■ Jumpering space

- Front: 123 mm.

■ Load rating

- 8000 N static .

■ Protection rating

- IP 20.

■ Tests

- Earthing compliant with VDE 0100 T 540.
- IP test EN 60529.

■ Material / Finish

- Basic rack: extruded aluminum.
- Corner piece: die-cast aluminum, polished.
- Casing: galvanized steel sheet, powder-coated texture.
- Doors, steel sheet, powder-coated texture, glass infill front door, single safety-glass panel, 4 mm.
- 19" extrusions, 1.5 mm galvanized steel sheet.

■ Colour

- x = .1 visible surfaces and covers, RAL 7035 light-grey.
- x = .8 visible surfaces and covers, RAL 7021 dark-grey.

■ Included in delivery

- 1 basic rack.
- 4 x 19" perforated steel sheet extrusions with HE markings. Depth 600 2 x 19".
- 2 x side panels with quick connectors.
- 1 x raised top cover with cable entry rear (three-piece sliding plates, can also be fully opened) at the rear.
- 1 x front door, single leaf, single safety-glass panel, with handle and mounting for cylinder lock.
- 1 x rear door, single leaf, steel sheet, with handle and mounting for cylinder lock .
- 1 x plinth with vents at the front and rear, including closed sides and mounting for filter mat.
- 1 x complete earthing kit (VDE 0100).
- 4 x levelling feet.

■ Delivered

- Assembled.

W	H	D	U	h	d	kg	Order No.	Units
800	2120	600	42	1873		88	01.157.005.x-022	1 unit
800	2340	600	47	2095		96	01.157.005.x-032	1 unit
800	2120	800	42	1873	565	115	01.157.005.x-024	1 unit
800	2340	800	47	2095	565	116	01.157.005.x-034	1 unit
800	2120	1000	42	1873	740	126	01.157.005.x-026	1 unit
800	2340	1000	47	2095	740	138	01.157.005.x-036	1 unit

Vertiv™ Knürr® MIR2® Configurator

Vertiv Knürr MIR2 – configured by you

Vertiv Knürr MIR2 is one of our configurable rack platforms. You can easily select the options you need for your individual rack, based on the matrix.



Example product number

Dimensions				Doors		19" Extrusions		Cover parts				Color		
Product	Height	Width	Depth	Front Door	Rear Door	19" Front Vertical Extrusion	19" Rear Vertical Extrusion	Top Cover	Plinth	Side Panel	Packaging	Jumpering Depth	Free	Color
N	B	8	E	A	B	S	S	B	A	B	X	Q	X	8

	Dimensions			Doors		19" Extrusions		Cover parts			Color			
	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Option Matrix	Rack Height	Rack Width	Rack Depth	Front Door	Rear Door	19" Vertical Extrusion Front	19" Vertical Extrusion Rear	Top Cover	Plinth	Side Panel	Packaging	19" vertical extrusion, mounting position front and space between	Free	Color
N= Vertiv™ Knürr® MIR2® Rack	B= 42 U	6= 600 mm	C= 800 mm	A= Glass single door right	A= Glass single door right	A= 19" vertical server extrusion with air partition and 3x1 U cut-outs*	H= 19" vertical extrusion with mounting holes	B= Top Cover, with cut out for fan units, with cable inlet rear	A= Plinth, stationary 100mm, all sides closed	B= Both sides	X = Standard packaging	A= 80/740mm*	X	1= RAL 7035
	D= 47 U	8= 800 mm	D= 900 mm	B= Sheet steel single door right	B= Sheet steel single door right	B= 19" vertical server extrusion with air partition	S= 19" vertical server extrusion	C= Top cover with cable inlet rear	B= Plinth, stationary 200mm, all sides closed	C= Partitioning wall fixed right		C= 115/740mm*		8= RAL 7021
			E= 1000 mm	C= Perforated single door	C= Perforated single door	C= 19" vertical server extrusion with cable management*	T= 19" Vertical Extrusion with T-Slot	E= Top cover short with lateral cable inlet closed	F= Without plinth. Adjustable feed only	D= Partitioning wall fixed left		D= 123/740mm*		X= blank **
			F= 1100 mm	D= 180° perforated single door right	D= 180° perforated single door right	H= 19" vertical extrusion with mounting holes	X= Without 19" extrusions	G= Top cover short	G= Plinth, stationary 100mm, with vent slots	L= Left		E= 200/740mm*		
			G= 1200 mm	E= Glass double door	E= Glass double door	S= 19" vertical server extrusion		S= Top cover without cut out for fan units, with cable inlet rear, with spacer	H= Plinth, stationary 200mm, with vent slots	R= Right		F= 215/740mm*		
				F= Sheet steel double door	F= Sheet steel double door	T= 19" Vertical Extrusion with T-Slot		X= Without top cover	R= Mobile casters	X= Without side panels		G= 150/740mm*		
				G= Sheet steel perforated double door	G= Sheet steel perforated double door	X= Without 19" extrusions						Q= 80/565mm*		
				H= 180° perforated double door	H= 180° perforated double door							T= 123/565mm*		
				M= 180° sheet steel single door right	M= 180° sheet steel single door right							U= 150/565mm*		
				N= 180° sheet steel double door	N= 180° sheet steel double door							V= 200/565mm*		
				P= 180° glass single door right	P= 180° glass single door right									
				Q= 180° glass double door	Q= 180° glass double door									
				X= Without door	R= rear/front door									
					X= Without door									

SELECT YOUR OPTIONS

Remarks:

* this options might not be possible with each Rack width, depth and 19" mounting position.

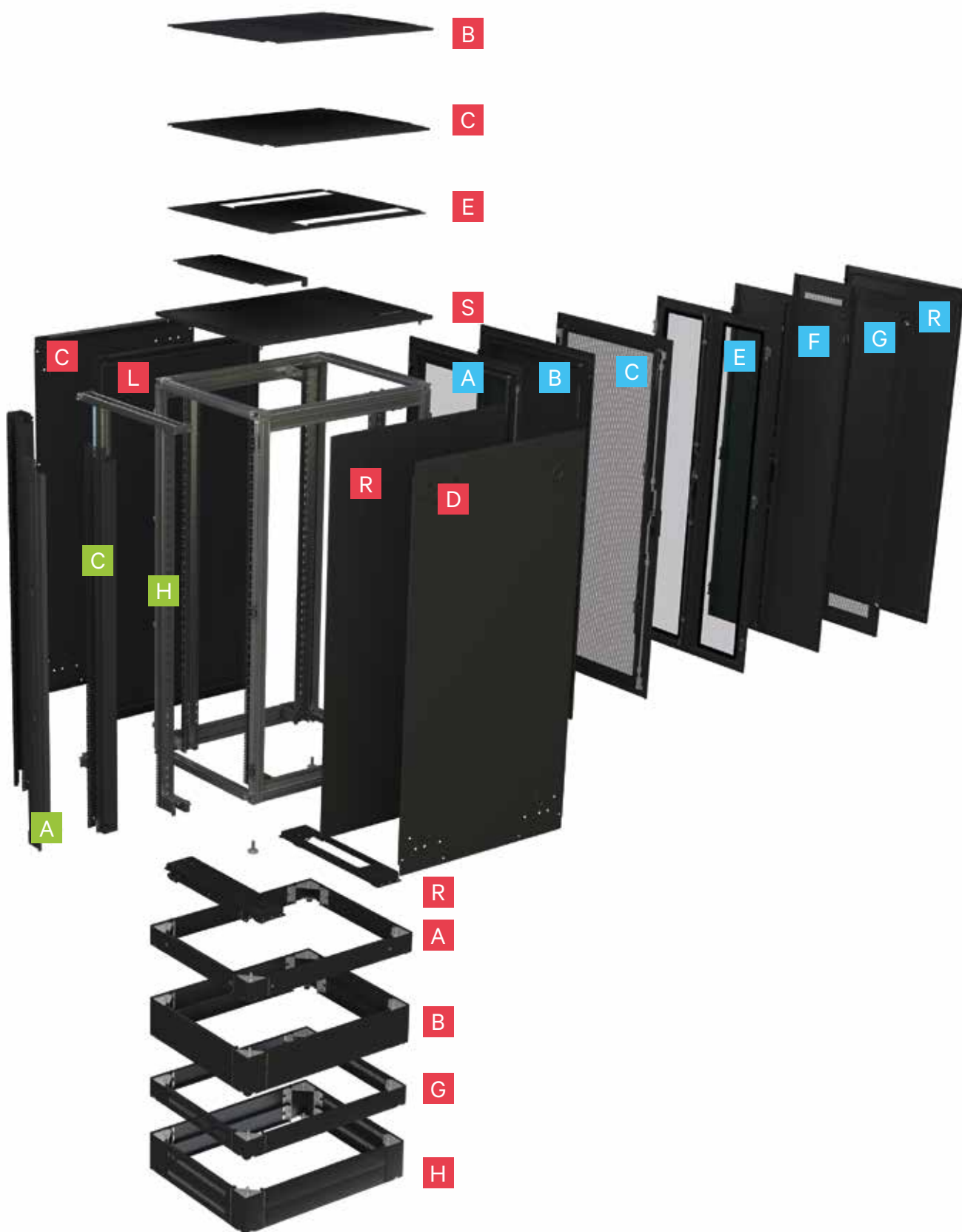
** use "X" if select no cladding parts.

Vertiv™ Knürr® MIR2®
Configurator – Technical Overview of selectable options

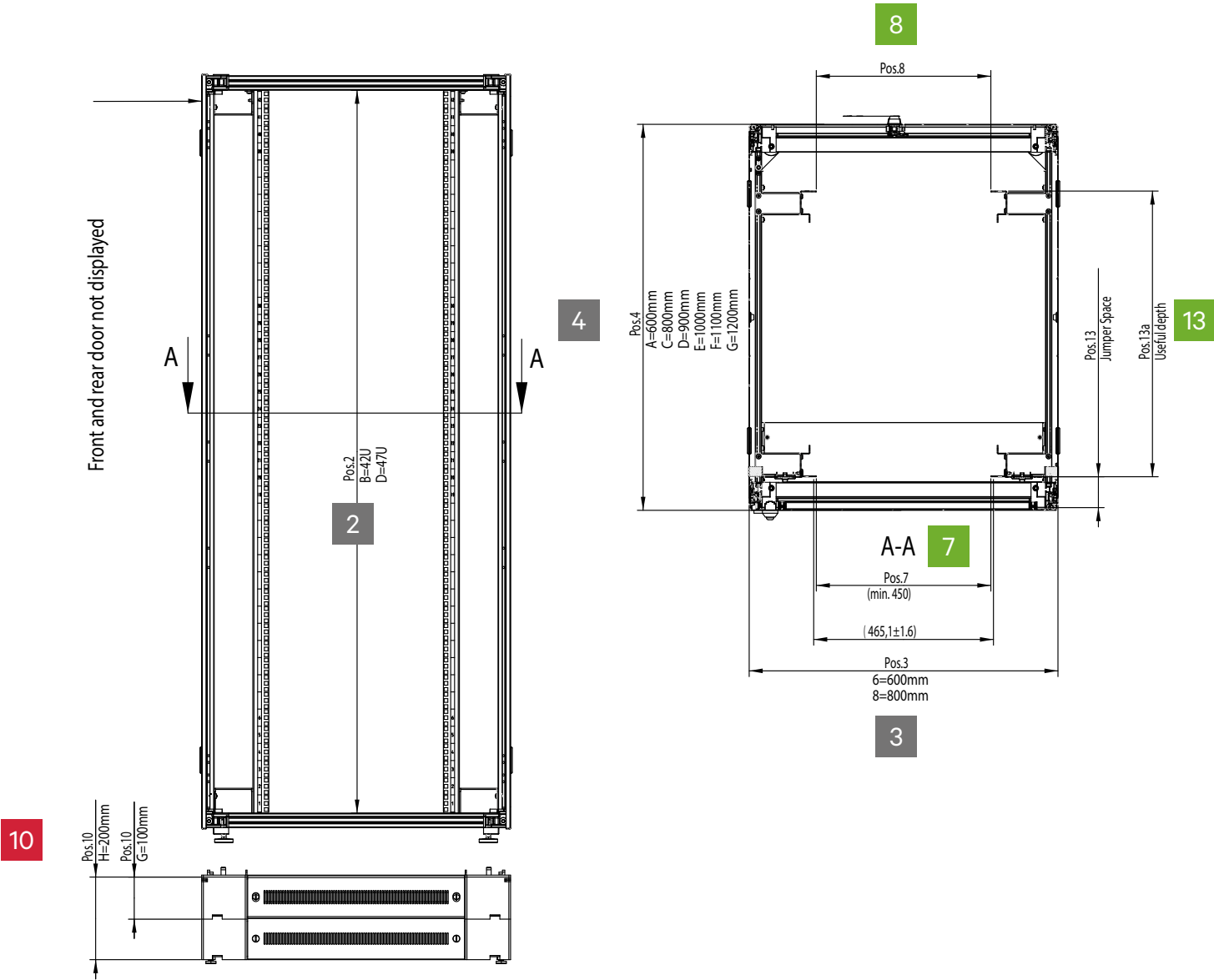


Overview of all mountable parts

	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Product	Height	Width	Depth	Front Door	Rear Door	19" Vertikal Extrusion front	19" Vertikal Extrusion rear	Top Cover	Plinth	Side Panel	Packaging	Jumpering Space	Free	Color



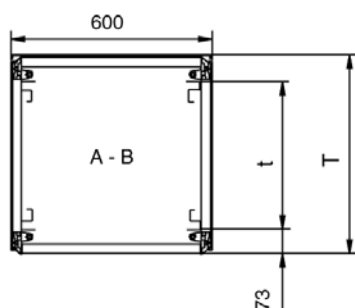
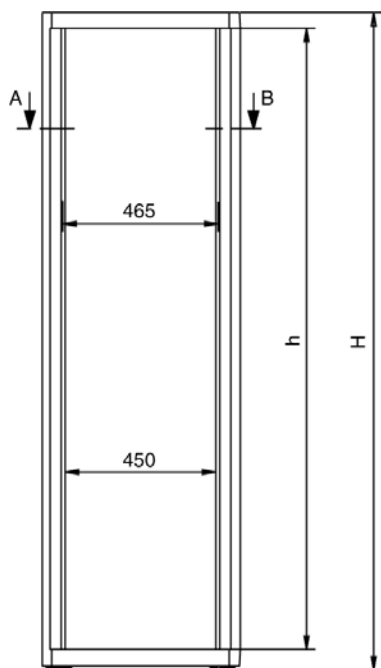
Vertiv™ Knürr® MIR2®
Configurator – Technical Overview of selectable dimensions



	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Product	Height	Width	Depth	Front Door	Rear Door	19" Vertikal Extrusion front	19" Vertikal Extrusion rear	Top Cover	Plinth	Side Panel	Packaging	Jumpering Space	Free	Color



MIR20336



MIR00301

**Vertiv™ Knürr® MIR® IP 55, on request
With single glass door, width 600 mm**

- With fixed 19" component on the front and rear.
- For IEC 297-3-compliant components.
- Door opening angle, 180°.
- For installing 19" components on the front and rear.
- For installation equipment with a max. width of 450 mm.
- Installation accessories.

■ Jumping space

- Front 73 mm.

■ Load rating

- 5000 N static.

■ Protection rating

- IP 55.

■ Tests

- Earthing compliant with VDE 0100 T 540.
- Vibration test compliant with MIL-STD 810 E.
- IP test compliant with DIN 40 050 / IEC 529.

■ Material / Finish

- Basic rack, extruded aluminum, polished.
- Corner piece, die-cast aluminum, polished.
- Covers, zinc-passivated sheet steel, powder-coated texture.
- Doors, sheet steel, powder-coated texture, glass infill, front door, single safety-glass panel, 4 mm.
- Multifunctional braces and 19" extrusions, sheet steel, zinc-passivated.

■ Color

- Visible surface of the covers, RAL 7035 light-grey.

■ Scope of delivery

- 1 x basic rack.
- 4 x 19" sheet steel angular extrusions with mounting holes.
- 2 x multifunctional braces for cable clamping and universal mounting options.
- 1 x top cover, closed, IP 55.
- 1 x front door, single, single safety-glass panel, with handle and mounting for cylinder lock, IP55.
- 1 x rear panel with quick connectors, IP 55.
- 2 x side panels with quick connectors, IP 55.
- 1 x floor, closed, IP 55.
- 4 x leveling feet (0 - 25 mm).

■ How supplied

- Mounted.

■ Note on rack suites

To create a rack suite with "n" racks, the following is required:

- (n-1) racks without side panels.
- 1 rack with side panels.

In a rack suite, per connection you will require a set of BN 01.130.935.7 suite connectors.

W	H	D	U	h	d	kg	Order No.	UP
600	1800	600	37	1652	440	75	01.132.271.1	1 unit
600	2000	600	41	1852	440	80	01.132.272.1	1 unit
600	1800	800	37	1652	640	83	01.132.277.1	1 unit
600	2000	800	41	1852	640	90	01.132.278.1	1 unit

Accessories for Vertiv Knürr MIR IP55 Rack on request



MIR00070

Vertiv™ Knürr® MIR® top cover Closed, IP55

- Can be optionally used as top cover or bottom cover (combination with stationary plinth is not possible with us as bottom cover).

■ Protection rating

- Installation in the Vertiv™ Knürr® MIR® (depending on other rack components), achieves a maximum protection rating of IP 55.

■ Finish

- Powder-coated texture, RAL 7035.

■ Scope of delivery

- 1 x cover, closed.
- 1 x Mounting kit.

■ How supplied

- In sets.

W	D	Order No.	UP
600	600	01.130.690.1	1 unit
600	800	01.130.691.1	1 unit
600	900	01.130.692.1	1 unit
600	1000	01.127.700.1	1 unit
600	1200	01.133.760.1	1 unit
800	600	01.130.691.1	1 unit
800	800	01.130.699.1	1 unit
800	900	01.130.700.1	1 unit
800	1000	01.127.702.1	1 unit
800	1200	01.133.762.1	1 unit

Dimensions in mm:

W = Width h = Installation height U = Standard rack unit
H = Height d = Insertion depth (1 U = 44.45 mm)
D = Depth L = Length UP = Packaging unit

Conversion:

1 mm = 0.03937 inch
1 kg = 2.2046 pounds

Vertiv™ Knürr® DCM® Rack System

Market-leading Data Center Technologies for your Company

Integrated solutions.

Integrated benefits.

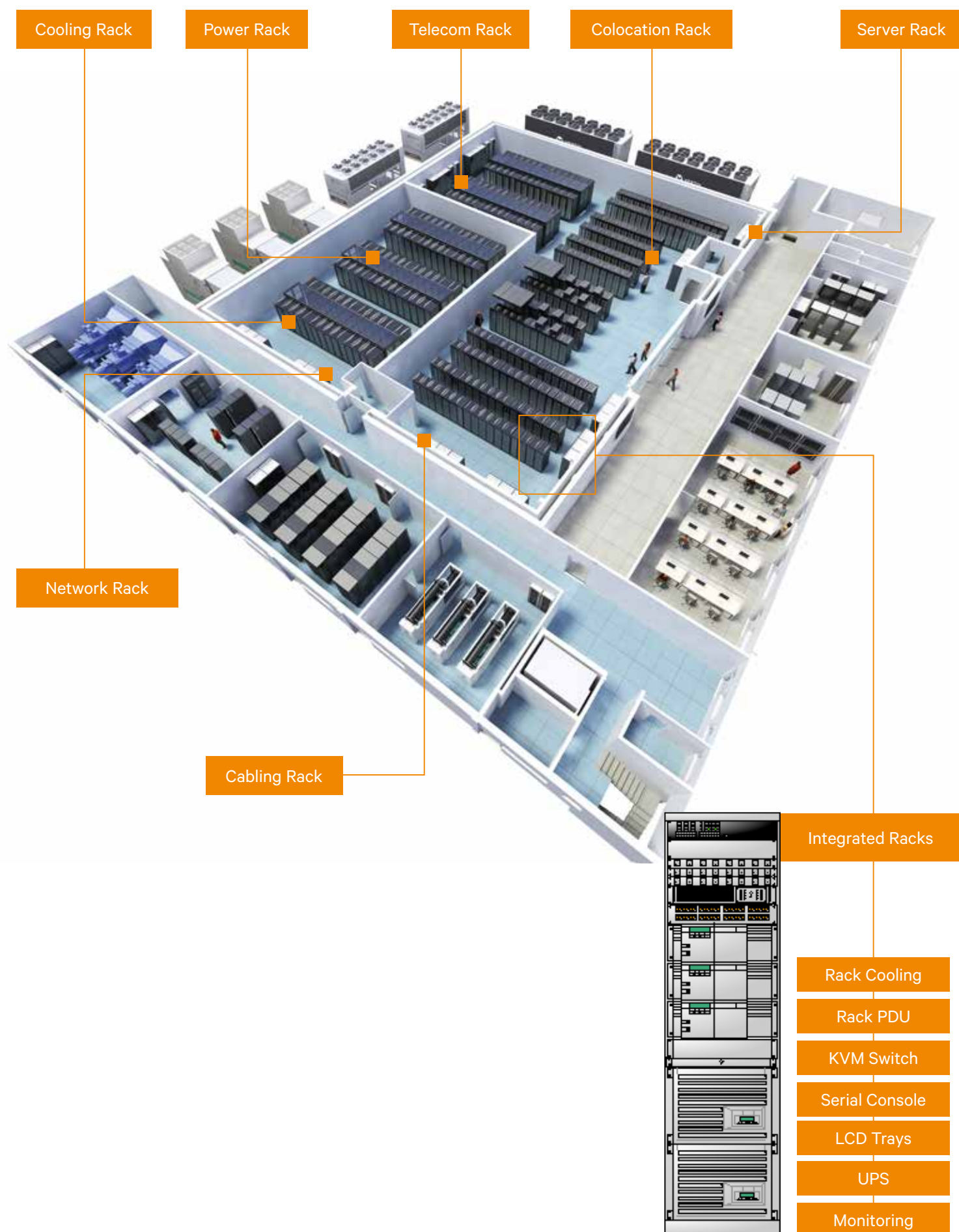
Integrated energy efficiency.

- **Reliability:**
Proven business-critical technologies that minimize failure sources and guarantee the greatest possible reliability for your IT systems.
- **Everything from one source:**
One central provider for the provision, configuration, installation and support of your products and technologies.
- **Integration:** From the rack through to the entire room – our products and services form one integrated holistic system.
- **Technical support:** Where required, on-site and factory-site support is provided by application specialists. Vertiv has the largest team of customer service specialists in the world.
- **Flexible configuration options:** Our products and technologies deliver flexibility, adaptability and cost-effective solutions.
- **Energy efficiency:** We offer our customers "Green IT" solutions that set standards on the ITC market – a data-center infrastructure that stays abreast current and future requirements and facilitates management and automation of physical infrastructure.

Vertiv™ Knürr® provides comprehensive products and services for all requirements – from compact racks and computer rooms, right through to global data centers.

Based on a variety of data centers' specific requirements, Vertiv has developed a customized, ready-made solution: rack systems with integrated thermal management, power supply cooling and monitoring. We also provide optional services such as on-site expertise and support, thereby ensuring that you can easily order, configure, manage and implement your Vertiv Knürr solution.







Vertiv™ Knürr® DCM®

The Modular Rack Platform for a Future-proof Data Center

- Modular building box: quick, cost-effective and sustainable.
- 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 stepless, adjustable-depth air containment with vertical extrusions.

Everything in the data center begins with the Vertiv™ Knürr® DCM®!

The Vertiv Knürr DCM is the modular building block for all "in row" applications of Vertiv's products. It's used as server racks, power racks, or storage racks.

MODULAR UPS

Liebert® APM

COLD AISLE CONTAINMENT

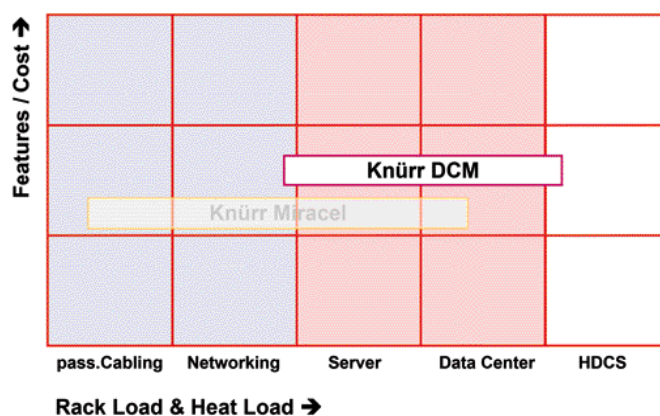
Vertiv SmartAisle™

SERVER RACK

Vertiv Knürr DCM
Vertiv Knürr DCM Colocation

aisle COOLER

Liebert CRV



Positioning of rack in area of application



Vertiv™ Knürr® DCM®

Application-optimized Server-Rack Solution – The Keystone for your IT Solutions



**The right rack size
for every application**

- **Vertiv™ Knürr® Data Center Module**

The Vertiv Knürr DCM® is Vertiv's globally available rack for world-wide, standardized data center planning.

- **Global standard**

The 2000 mm height and 1100 mm depth rack version is the global platform for rack suites at Vertiv. Cooling racks, power racks and server racks based on the Knürr DCM platform guarantee easy integration into the rack suite.

- **Metric measurements**

for global use.

- **Stable and secure**

Vertiv Knürr DCM seismic-tested version available up on request. Static load of up to 1500 kg. Flexible use as a server or active network rack.





1. DCM20059



3. DCM20030

Vertiv™ Knürr® DCM® Features

■ High-load cabinet

Static load of 1500 kg featuring a new design, more stable profiles and new high-load corner joints. (1)

■ Screw design

Since the rack can easily be dismantled, even to the most restricted areas are accessible. (2)

■ Light aluminum frame

Lower weight allows for easier, lighter transportation. (3)

■ Convenient

Tool-free door assembly. (4)

■ Low, heavy-duty casters

Even fully equipped rack can be moved safely and conveniently. (5)

■ Integrated tilt restraint

Quick and easy installation and disassembly.

■ 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. (6)

■ Largest possible perforation

For improved airflow. (7)

■ Maximum space

PDU's and cable management can also be housed in the space between the 19" level and the side panel.

■ 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. (8)



2. DCM20008



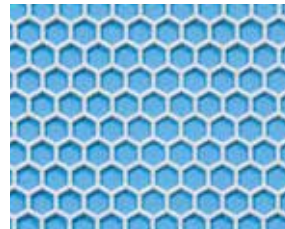
4. DCM20006



5. DCM20028



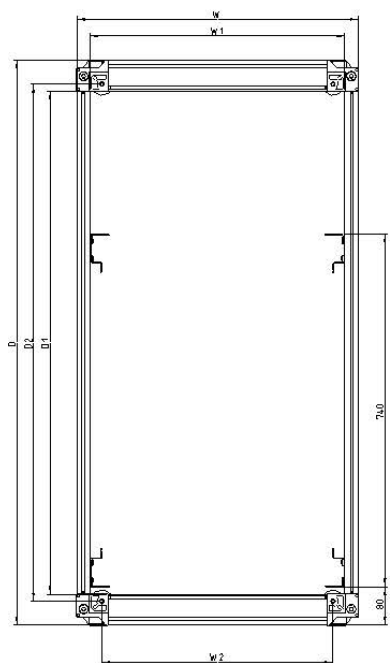
6. DCM20027



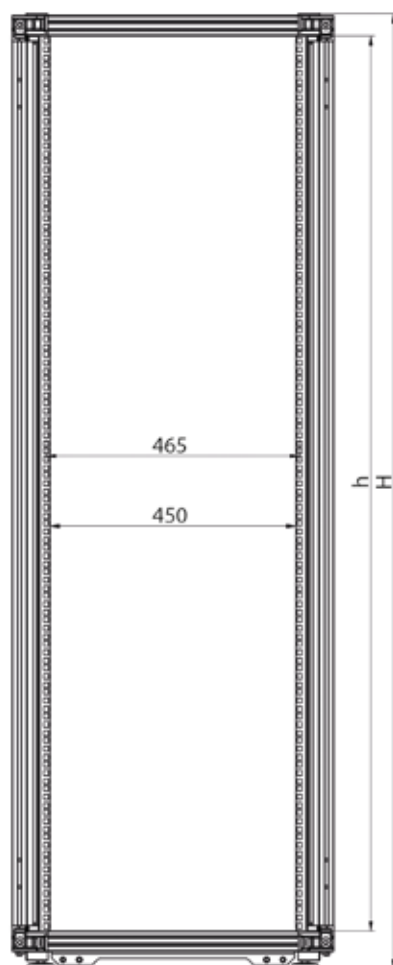
7. MIR20265



8. DCM20000



DCM20066



Vertiv™ Knürr® DCM® Technical data

Material

- Extruded aluminum.
- Corner piece, die-cast aluminum.
- Covers, steel sheet, zinc-passivated.
- Steel sheet doors.

Installation dimensions compliant with IEC 60297-1 and IEC 60297-2

- Height: 42 U / 47 U (1 U) = 44.45 mm).
- Width: 482.6 mm (19" construction).

Available space

- Jumping space, 80 mm.
- 130° door opening angle in the rack suite and 180° as individual rack.

Configurations

- Stationary on leveling feet.
- Mobile with caster mounting and leveling feet.

Finish/Color

- Basic rack, polished.
- Visible surface of covers RAL 7021 dark-grey.

Static load rating

- 15000 N (stationary model).
- 10000 N (mobile model).

Tests depending on design

- IP test compliant with IEC 60529.
- Earthing and protective conductor test compliant with DIN EN 60950.

Further standards and tests may be provided upon request.

Rack suites

To create a rack suite with "n" racks, the following is required:

- n-1 racks without side panels and 1 rack with side panels.
- In a rack suite, per connection you one set of rack connectors.

Nom. dimension	W	W1	W2	D	D1	D2
W 600 / D 1000	591	535	485	986	856	885
W 600 / D 1100	591	535	485	1086	956	985
W 600 / D 1200	591	535	485	1186	1056	1085
W 800 / D 1000	791	735	685	986	856	885
W 800 / D 1100	791	735	685	1086	956	985
W 800 / D 1200	791	735	685	1186	1056	1085

Nom. height	H	h
H 2000	1983	1872
H 2200	2205	2095

Dimensions in mm:

W = Width h = Installation height U = Standard rack unit kg = Weight
H = Height d = Insertion depth (1 U = 44.45 mm)
D = Depth L = Length UP = Packaging unit

Conversion:

1 mm = 0.03937 inch
1 kg = 2.2046 pounds

Vertiv™ Knürr® DCM®
Configurator

1

- Up to 2.5 million different assembly options



Vertiv™ Knürr® DCM® – configured by you

Impressive number of variations:

There are now up to 2.5 million options for a configuration with the 'Configurable Article Number' (which replaces the old order numbers).

A system building box that significantly simplifies your combinations.

This 'Configurable Article Number' reproduces all requested properties via multiple choice (see chart below), without requiring detailed rack descriptions.

Definite identification is also possible with a repeat order or upgrade.

The 'Configurable Article Number' makes a significant contribution to simplifying the selection and ordering process.

Product line

Vertiv Knürr DCM

	Dimensions			Doors		19" Extrusions		Covers			Packaging			Color	
	2	3	4	5	6	7	8	9	10	11	12	13	14	15	
	Rack Height	Rack Width	Rack Depth	Front Door	Rear Door	19"-Front Vertical Extrusion	19"-Rear Vertical Extrusion	Cover	Plinth	Side Panel	Packaging	19" vertical extrusion, mounting position front and space between	Free	Color	
D= Vertiv Knürr DCM Rack	B= 42 U	6= 600 mm	E= 1000 mm	A= Single glass door	A= Single glass door	A= 19" vertical server extrusion with air containment and 3x1 U cut-outs*	S= 19" vertical server extrusion	C= Top cover with cable entry	A= Fixed plinth, 100 mm	B= Both sides	X = Standard packaging	A = 80/740mm	X	1= RAL 7035	
	D= 47 U	8= 800 mm	F= 1100 mm	B= Single steel sheet door	B= Single steel sheet door	B= 19" vertical server extrusion with air containment	X= Without 19" extrusions	E= Cover with lateral cable entry	B= Fixed plinth, 200 mm	L= Left		B = 85/740 mm		8= RAL 7021	
			G= 1200 mm	C= Perforated single door	C= Perforated single door	C= 19" Server extrusion with vertical cablemanger*		G= Cover short	R= With casters	R= Right		C = 115/740 mm		X= without color **	
				G= Perforated double door	G= Perforated double door	S= 19" vertical server extrusion		X= Without cover	F= Fixed without plinth. Only feet are height-adjustable	X= Without		D = 123/740 mm			
				X= Without door	R= Back cover							E = 200/740 mm*			
					X= Without door							F = 215/740 mm*			
												G = 150/740 mm			
Configuration example:															
	Product	Height	Width	Depth	Front Door	Rear Door	19"-Front Vertical Extrusion	19"-Rear Vertical Extrusion	Cover	Plinth	Side Panel	Packaging	19" extrusion insertion depth	Free	Color
	D — B	8	F — G	X		A	X		C	B	L	X	X	X — 8	

Remarks:

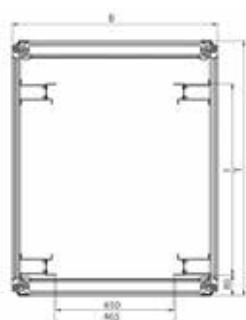
* this options might not be possible with each Rack width, depth and 19" mounting position.

** "X" if select no cladding parts.

Example product number



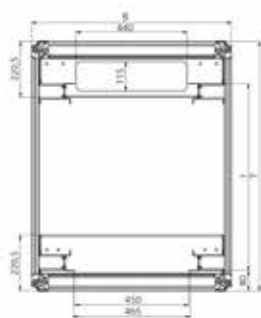
DCM20003 stationary DCM20022 mobile



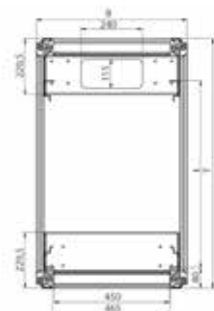
DCM20063 Average width 800 mm, stationary



DCM20062 Average width 600 mm, stationary



DCM20065 Average width 800 mm, mobile



DCM20064 Average width 600 mm, mobile

Vertiv™ Knürr® DCM® 19" Heavy Duty Server Rack Width 600 and 800, Stationary and Mobile

- Perforated front door.
- Perforated rear double door.
- Special 19" server extrusions for mounting all off-the-shelf 19" servers.
- Components compliant with IEC 297-3.
- Cable entry via top and bottom cover.
- Cable entry on the top cover can be completely removed at the rear allowing installing and removal of top cover after cabling.
- Mobile design includes heavy-duty casters with ample floor clearance.

■ Jumpering space

- Front 80 mm.

■ Load rating

- 15000 N static.
- 10000 N mobile in data center with load.

■ Protection rating

- IP 20.

■ Tests

- Earth compliant with DIN EN 60950.
- Mobile design: Earthing compliant with VDE 0100 T 540.
- IP test compliant with DIN 40 050 / IEC 529.

■ Airflow circulation

- Perforation: 83%.

■ Material / Finish

- Basic rack, extruded aluminum, polished.
- Corner piece, die-cast aluminum, polished.
- Doors, steel sheet, powder-coated texture.
- Covers, zinc-passivated steel sheet, powder-coated texture.
- 19" extrusions, 2.0 mm zinc-passivated steel sheet.

■ Color

- Visible surfaces and covers coated with RAL 7021, dark-grey.

■ Scope of delivery

- 1 x basic rack.
- 4 x 19" server extrusions, steel sheet inclusive U marking.
- 2 x side panels with quick connectors.
- 1 x top cover with cable entry (three-piece sliding plates can also be opened completely).
- 1 x front door, single, perforated, with handle and mounting for cylinder lock.
- 1 x rear door, double, perforated, steel sheet, with handle and mounting for cylinder lock.
- 4 x leveling feet.
- 1 x complete earthing test (VDE 0100).
- Mobile design: additionally 2 caster mountings with heavy-duty casters and integrated cable entry.

■ How supplied

- Mounted.

■ Note

Order mounting adapters for 19" server extrusion for mounting Knürr accessories are also available.

W	H	D	U	d	kg	Model	Order No.	UP
600	2000	1200	42	740	117	Stationary with side panels	DB6GCGSSCFBXXX8	1 unit
600	2200	1200	47	740	121	Stationary with side panels	DD6GCGSSCFBXXX8	1 unit
800	2000	1200	42	740	132	Stationary with side panels	DB8GCGSSCFBXXX8	1 unit
800	2200	1200	47	740	136	Stationary with side panels	DD8GCGSSCFBXXX8	1 unit
600	2000	1200	42	740	75	Stationary, no side panels	DB6GCGSSCFXXX8	1 unit
600	2200	1200	47	740	81	Stationary, no side panels	DD6GCGSSCFXXX8	1 unit
800	2000	1200	42	740	92	Stationary, no side panels	DB8GCGSSCFXXX8	1 unit
800	2200	1200	47	740	94	Stationary, no side panels	DD8GCGSSCFXXX8	1 unit
600	2000	1200	42	740	127	Mobile with side panels	DB6GCGSSCRBXXX8	1 unit
800	2200	1200	47	740	146	Mobile with side panels	DD8GCGSSCRBXXX8	1 unit
600	2000	1200	42	740	85	Mobile, no side panels	DB6GCGSSCRXXX8	1 unit
800	2200	1200	47	740	104	Mobile, no side panels	DD8GCGSSCRXXX8	1 unit



DCM20085



DCM20086



DCM20087



DCM20088

Vertiv™ Knürr® DCM® Colocation Rack Width 800 mm

- Perforated front doors with one-point lock.
- Perforated rear doors with one-point lock.
- Special 19" server extrusions for mounting all off-the-shelf 19" servers.
- Components compliant with IEC 297-3.
- Standard cable entry with fixed cable duct on the right.
- Optional cable entry left and right via cover and shelf by reconfiguration of the cable ducts.
- Secure partitioning of the individual bays using securely mounted partition shelves.
- With lateral air containment at the front left and right, each with 1 U opening for mounting different components.
- Doors with handle and mounting for cylinder lock.
- Adjustment of the 19" extrusions in 50 mm increments.

■ Jumpering space

- Front 80 mm.

■ Load rating

- 25 kg per rack unit (stationary).
- e.g.: 15 U x 25 kg = 375 kg load for one bay.

■ Protection rating

- IP 20.

■ Tests

- Earthing compliant with VDE 0100 T 450.
- IP test compliant with DIN 40 050 / IEC 529.

■ Airflow circulation

- Perforation: 83 %.

■ Material / Finish

- Basic rack, extruded aluminum, polished.
- Corner piece, die-cast aluminum, polished.
- Doors, steel sheet, powder-coated texture.
- Partitioning walls, zinc-passivated steel sheet.
- 19" extrusions, 2.0 mm zinc-passivated steel sheet.
- Shelf supports, zinc-passivated.

■ Color

- Visible cover surface
- Final digit of Order No. 1: RAL 7035 light-grey.
- Final digit of Order No. 8: RAL 7021 dark-grey.

■ Scope of delivery

- 1 x basic rack.
- 4 x 19" server extrusions with regular perforations, steel sheet with rack unit marking for each bay.
- 1 x top cover, including cable-inlet covers on the left and right sides.
- 1 x shelf, including cable-inlet cover on the right; open on the left for cable duct = cable entry.
- 2 x partitioning shelves for 3-way colocation.
- 1 x partitioning shelf for 2-way colocation.
- 3 x perforated front and rear doors for 3-way colocation.
- 2 x perforated front and rear doors for 2-way colocation.
- Air containment at the front with covered 1 U cut-out.

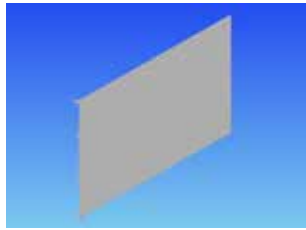
■ How supplied

- Mounted.

■ Note

- Also order mounting adapters for 19" server extrusion for mounting Knürr accessories.
- Side partitioning walls must be ordered separately.
- Cylinder locks must be ordered separately.
- Stationary plinth can be mounted afterwards.

W	H	D	U	d	kg	Model	Order No.	UP
800	2000	1100	13	740	136	3-way colocation without side panels	01.143.000.X-001	1 unit
800	2000	1200	13	740	142	3-way colocation without side panels	01.143.000.X-002	1 unit
800	2200	1100	15	740	145	3-way colocation without side panels	01.143.000.X-003	1 unit
800	2200	1200	15	740	150	3-way colocation without side panels	01.143.000.X-004	1 unit
800	2000	1100	20	740	95	2-way colocation without side panels	01.143.001.X-001	1 unit
800	2000	1200	20	740	122	2-way colocation without side panels	01.143.001.X-002	1 unit
800	2200	1100	23	740	125	2-way colocation without side panels	01.143.001.X-003	1 unit
800	2200	1200	23	740	123	2-way colocation without side panels	01.143.001.X-004	1 unit
800	2000	1100	13	740	175	3-way colocation with side panels	01.143.002.X-001	1 unit
800	2000	1200	13	740	184	3-way colocation with side panels	01.143.002.X-002	1 unit
800	2200	1100	15	740	178	3-way colocation with side panels	01.143.002.X-003	1 unit
800	2200	1200	15	740	194	3-way colocation with side panels	01.143.002.X-004	1 unit
800	2000	1100	20	740	155	2-way colocation with side panels	01.143.003.X-001	1 unit
800	2000	1200	20	740	164	2-way colocation with side panels	01.143.003.X-002	1 unit
800	2200	1100	23	740	165	2-way colocation with side panels	01.143.003.X-003	1 unit
800	2200	1200	23	740	170	2-way colocation with side panels	01.143.003.X-004	1 unit



DCM20110

Partitioning Wall for Retrofitting

- To secure the partitions between the individual bays against unauthorized access.
- Each bay can be closed off separately after initial installation.
- The partitioning wall is inserted above and below on mounting strips provided for this purpose.
- The partitioning wall is screwed into place at the front and covered by the door.

Material

- Order no.1: Powder-coated RAL 7035, light-grey texture.
- Order no.8: Powder-coated RAL 7021, dark-grey texture.

Finish / Color

- Zinc-passivated steel sheet.

Scope of delivery

- 1 x partitioning wall for retrofitting.
- 1 x Mounting kit.

How supplied

- In sets.

Note

Partitioning wall can be installed from every position (top, middle, bottom, left and right).



DCM20109

H	D	Model	Order No.	UP
2000	1100	For 3-way colocation	01.143.100.X-001	1 unit
2000	1200	For 3-way colocation	01.143.100.X-002	1 unit
2200	1100	For 3-way colocation	01.143.100.X-003	1 unit
2200	1200	For 3-way colocation	01.143.100.X-004	1 unit
2000	1100	For 2-way colocation	01.143.100.X-005	1 unit
2000	1200	For 2-way colocation	01.143.100.X-006	1 unit
2200	1100	For 2-way colocation	01.143.100.X-007	1 unit
2200	1200	For 2-way colocation	01.143.100.X-008	1 unit



DCM20111

3-point Locking Upgrade Kit

- Upgrade kit for conversion to 3-point locking.
- Additional security.
- Can be upgraded at any time.
- Suitable for heights of 2000 and 2200 mm.

Scope of delivery

- 1 x Rod for locking unit.
- 1 x Rod guide.

How supplied

- In sets.

H	Model	Order No.	UP
2000, 2200	for 3-way colocation	01.143.102.7-001	1 unit
2000, 2200	for 2-way colocation	01.143.102.7-002	1 unit



DCM20099

Cable Duct for Retrofitting

- Secure cabling for data and power-supply lines.
- Subsequent installation in 2- or 3-way colocation.
- Cable duct can be rebuilt at any time.

Material

- Steel sheet 1.0 mm.

Finish / Color

- Zinc-passivated steel sheet.

Scope of delivery

- 1 x cable duct for retrofitting.
- 1 x Covers.
- 1 x Mounting kit.

How supplied

- In sets.



DCM20100

H	Model	Order No.	UP
2000	Short, for 3-way colocation	01.143.101.0-001	1 unit
2000	Long, for 3-way colocation	01.143.101.0-002	1 unit
2200	Short, for 3-way colocation	01.143.101.0-003	1 unit
2200	Long, for 3-way colocation	01.143.101.0-004	1 unit
2000	For 2-way colocation	01.143.101.0-005	1 unit
2200	For 2-way colocation	01.143.101.0-006	1 unit

Dimensions in mm:

W = Width	h = Installation height	U = Standard rack unit	kg = Weight
H = Height	d = Insertion depth	(1 U = 44.45 mm)	
D = Depth	L = Length	UP = Packaging unit	

Conversion:

1 mm	= 0.03937 inch
1 kg	= 2.2046 pounds