

Knürr DCM® – impressive rack dimensions



The right rack size for every application

■ Knürr Data Center Module

The Knürr DCM® is the globally available rack from Emerson Network Power. Available all over the world for standardized data center planning.

■ Global standard

The 2,000 mm height and 1,100 mm depth rack version is the global platform for rack suites at Emerson Network Power. Cooling racks, power racks and server racks on the basis of the Knürr DCM® platform guarantee integration into the rack suite.

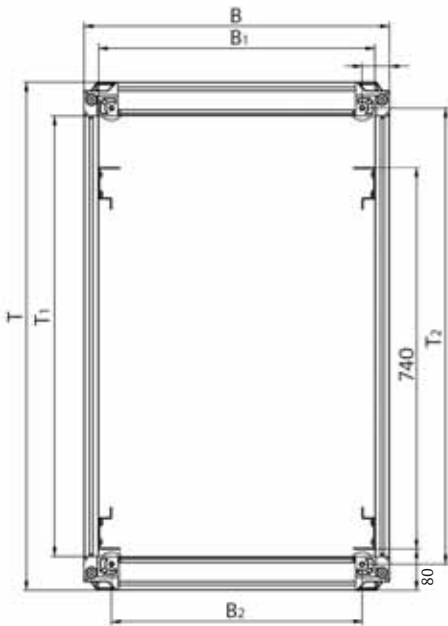
■ Metric measurements for global application

■ Stable and secure

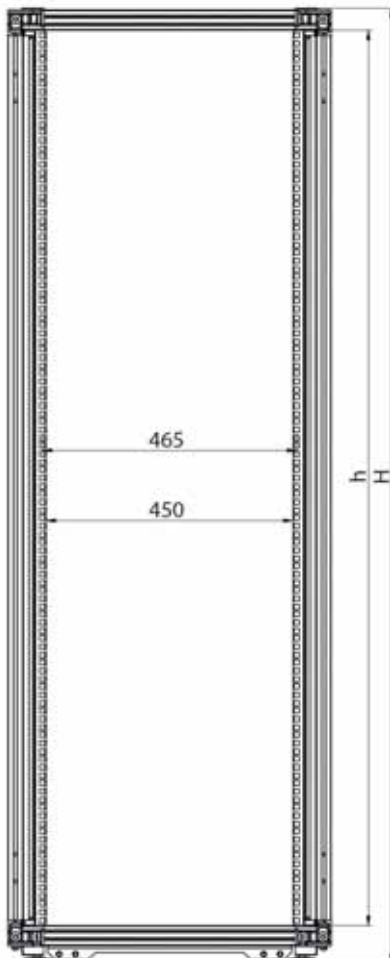
DCM® earthquake-tested version available on request.



Knürr DCM®
Technical data



DCM20066



DCM

Material

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

Installation dimensions in acc. with IEC 60297-1 and IEC 60297-2

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

Space

- Front jumpering space, 80 mm
- Door opening angle 130° in the rack suite and 180° as individual rack

Configurations

- Stationary, on leveling feet
- Mobile with castor bracked and leveling feet

Finish / Color

- Basic rack, polished
- Visible surface of covers, powder-coated, dark gray RAL 7021

Static load rating

- 15,000 N (stationary model)
- 10,000 N (mobile model)

Tests according to version

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

Further standards and tests on request.

Rack suites

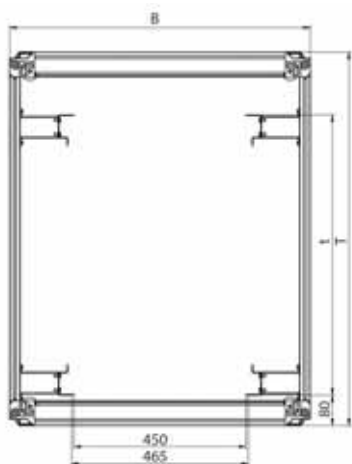
- To create a rack suite with "n" racks, you require:
- n-1 racks without side panels and 1 rack with side panels
 - In a rack suite, per connection you require one set of rack connectors

Nom. dim.	W	W ₁	W ₂	D	D ₁	D ₂
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	1996	1872.60
H 2200	2218	2094.85

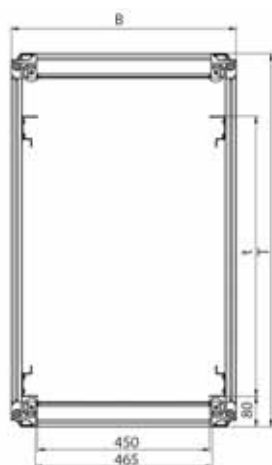


DCM20003



DCM20063

Section width 800 mm




DCM20062

Section width 600 mm

Dimensions in mm: W = Width
H = Height
D = Depth
h = installation height
d = useful depth
L = length

U = standard height unit
1 U = 44.45 mm
UP = unit of packaging
kg = weight

 = Express item

Conversion: 1 mm = 0.03937 inch 1 kg = 2.2046 pound

Knürr DCM® 19" Heavy Duty Server Rack Width 600 and 800, stationary

- Perforated front door
- Perforated rear double door
- Special 19" server extrusions for mounting all trade standard 19" servers
- Installation in acc. with IEC 297-3
- Cable entry via top cover and bottom
- Cable entry on the top cover, can be completely removed at the rear, allowing top cover removal and replacement after cabling

■ Jumpering space

At the front: 80 mm

■ Load rating

15,000 N static

■ Protection rating

IP 20

■ Tests

- Earth in acc. with DIN EN60950
- IP test in acc. with DIN 40 050 / IEC 529

■ Airflow

- Perforation: 83 %

■ Material/ Finish

- Basic rack, extruded aluminum, polished
- Corner piece, die-cast aluminum, polished
- Doors, sheet steel, powder-coated texture
- Covers, zinc-passivated sheet steel, powder-coated texture

■ Color

Visible surface of covers
RAL 7021 dark gray

■ Supply schedule

- 1 basic frame
- 4 19" server extrusions, sheet steel incl. U marking
- 2 side panels with quick connectors
- 1 top cover with cable entry (three-piece sliding plates, can also be opened completely)
- 1 front door, single, perforated with handle and mounting for cylinder lock
- 1 rear door, double, perforated, sheet steel, with handle and mounting for cylinder lock
- 4 leveling feet
- 1 complete earthing set (VDE 0100)

■ How supplied

Assembled

■ Note

Also order mounting adapters for 19" server extrusion for mounting Knürr accessories. (See page 1.9)

W	H	D	U	d	Model	Order no.	UP
600	2000	1000	42	740	Stationary, with side panels	01.147.712.8	1 unit
600	2000	1100	42	740	Stationary, with side panels	01.147.713.8	1 unit
600	2000	1200	42	740	Stationary, with side panels	01.147.714.8	1 unit
600	2200	1000	47	740	Stationary, with side panels	01.147.724.8	1 unit
600	2200	1100	47	740	Stationary, with side panels	01.147.725.8	1 unit
600	2200	1200	47	740	Stationary, with side panels	01.147.726.8	1 unit
600	2000	1000	42	740	Stationary, no side panels	01.147.762.8	1 unit
600	2000	1100	42	740	Stationary, no side panels	01.147.763.8	1 unit
600	2000	1200	42	740	Stationary, no side panels	01.147.764.8	1 unit
600	2200	1000	47	740	Stationary, no side panels	01.147.774.8	1 unit
600	2200	1100	47	740	Stationary, no side panels	01.147.775.8	1 unit
600	2200	1200	47	740	Stationary, no side panels	01.147.776.8	1 unit
800	2000	1000	42	740	Stationary, with side panels	01.147.720.8	1 unit
800	2000	1100	42	740	Stationary, with side panels	01.147.721.8	1 unit
800	2000	1200	42	740	Stationary, with side panels	01.147.722.8	1 unit
800	2200	1000	47	740	Stationary, with side panels	01.147.732.8	1 unit
800	2200	1100	47	740	Stationary, with side panels	01.147.733.8	1 unit
800	2200	1200	47	740	Stationary, with side panels	01.147.734.8	1 unit
800	2000	1000	42	740	Stationary, no side panels	01.147.770.8	1 unit
800	2000	1100	42	740	Stationary, no side panels	01.147.771.8	1 unit
800	2000	1200	42	740	Stationary, no side panels	01.147.772.8	1 unit
800	2200	1000	47	740	Stationary, no side panels	01.147.782.8	1 unit
800	2200	1100	47	740	Stationary, no side panels	01.147.783.8	1 unit
800	2200	1200	47	740	Stationary, no side panels	01.147.784.8	1 unit



DCM20022

Knürr DCM® 19" Heavy Duty Server Rack Widths 600 and 800, mobile

- Perforated front door
- Perforated rear double door
- Special 19" server extrusions for mounting all trade standard 19" servers
- Components in acc. with IEC 297-3
- Mobile, heavy duty castors with high floor clearance
- Cable entry via top cover and bottom cover
- Cable entry on the top cover, can be completely removed at the rear, allowing top cover removal and replacement after cabling

■ Jumping space
At the front: 80 mm

■ Load rating
15,000 N static
10,000 N mobile in data center with load

■ Protection rating
IP 20

■ Tests
- Earthing in acc. with VDE 0100 T 540
- IP test in acc. with DIN 40 050 / IEC 529

■ Airflow
- Perforation: 83 %

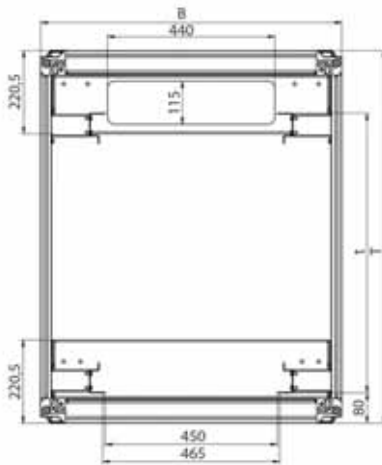
■ Material / Finish
- Basic rack, extruded aluminum, polished
- Corner piece, die-cast aluminum, polished
- Doors, sheet steel, powder-coated texture
- Covers, zinc-passivated sheet steel, powder-coated texture

■ Color
Visible surface of covers
RAL 7021 dark gray

■ Supply schedule
1 basic frame
4 19" server extrusions, sheet steel incl. U marking
2 side panels with quick connectors
1 top cover with cable entry (three-piece sliding plates, can also be opened completely)
1 front door, single, perforated with handle and mounting for cylinder lock
1 rear door, double, perforated, sheet steel, with handle and mounting for cylinder lock
2 castor mounts with heavy duty castors with integrated cable entry
4 leveling feet
1 complete earthing set (VDE 0100)

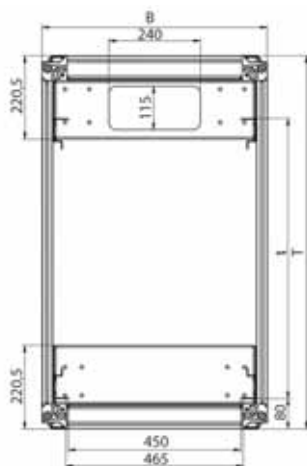
■ How supplied
Assembled

■ Note
Also order mounting adapters for 19" server extrusion for mounting Knürr accessories. (See page 1.9)



DCM20065

section width 800 mm



DCM20064

section width 600 mm

W	H	D	U	d	Model	Order no.	UP
600	2000	1000	42	740	Mobile, with side panels	01.147.612.8	1 unit
600	2000	1100	42	740	Mobile, with side panels	01.147.613.8	1 unit
600	2000	1200	42	740	Mobile, with side panels	01.147.614.8	1 unit
600	2200	1000	47	740	Mobile, with side panels	01.147.624.8	1 unit
600	2200	1100	47	740	Mobile, with side panels	01.147.625.8	1 unit
600	2200	1200	47	740	Mobile, with side panels	01.147.626.8	1 unit
600	2000	1000	42	740	Mobile, with side panels	01.147.662.8	1 unit
600	2000	1100	42	740	Mobile, with side panels	01.147.663.8	1 unit
600	2000	1200	42	740	Mobile, with side panels	01.147.664.8	1 unit
600	2200	1000	47	740	Mobile, with side panels	01.147.674.8	1 unit
600	2200	1100	47	740	Mobile, with side panels	01.147.675.8	1 unit
600	2200	1200	47	740	Mobile, with side panels	01.147.676.8	1 unit
800	2000	1000	42	740	Mobile, with side panels	01.147.620.8	1 unit
800	2000	1100	42	740	Mobile, with side panels	01.147.621.8	1 unit
800	2000	1200	42	740	Mobile, with side panels	01.147.622.8	1 unit
800	2200	1000	47	740	Mobile, with side panels	01.147.632.8	1 unit
800	2200	1100	47	740	Mobile, with side panels	01.147.633.8	1 unit
800	2200	1200	47	740	Mobile, with side panels	01.147.634.8	1 unit
800	2000	1000	42	740	Mobile, with side panels	01.147.670.8	1 unit
800	2000	1100	42	740	Mobile, with side panels	01.147.671.8	1 unit
800	2000	1200	42	740	Mobile, with side panels	01.147.672.8	1 unit
800	2200	1000	47	740	Mobile, with side panels	01.147.682.8	1 unit
800	2200	1100	47	740	Mobile, with side panels	01.147.683.8	1 unit
800	2200	1200	47	740	Mobile, with side panels	01.147.684.8	1 unit



MIR20318

Knürr Miracel® 19" ASP Rack/19" Server Rack Widths 600 mm and 800 mm, front door with perforations

- Basic version without plinth; can also be ordered if required
- With special 19" server extrusions for mounting trade standard servers
- With perforated doors on the front and rear for optimal airflow

Jumping space
At the front: 85.5 mm

Load rating
5000 N static

Protection rating
IP 20

Airflow circulation
Perforation level: 83%

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

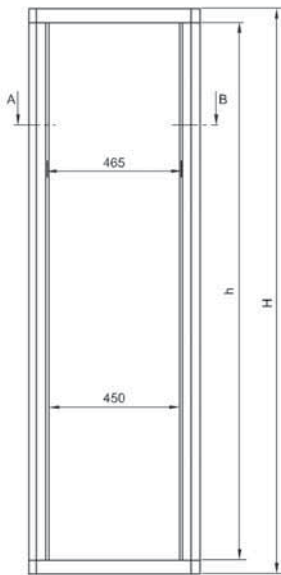
- Material/ Finish**
- Basic rack, extruded aluminum, polished
 - Corner piece, die-cast aluminum
 - Multifunctional braces and 19" bracket extrusions, sheet steel, zinc-passivated
 - Visible surface of the cover, powder-coated texture

- Color**
- Final digit of order number .1:
Visible surface of covers, RAL 7035 light gray
- Final digit of order number .8:
Visible surfaces of the covers, RAL 7021 dark gray

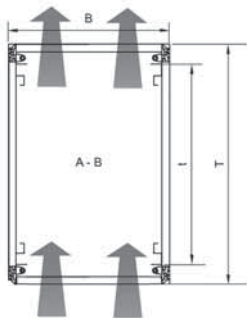
- Supply schedule**
- 1 basic frame
 - 4 19" server sheet steel mounting hole extrusions
 - 2 perforated doors (perforation: 83%)
 - 2 side panels
 - 1 top cover, closed
 - 1 complete earthing set
 - 1 complete locking set

- How supplied**
Assembled

- Note**
Also order mounting adapter for 19" server extrusion for mounting Knürr accessories (see page 1.39)




MIR20313













MIR20313

Dimensions in mm: W = Width
H = Height
D = Depth
h = installation height
d = useful depth
L = length

U = standard height unit
1 U = 44.45 mm
UP = unit of packaging
kg = weight

 = Express item

Conversion: 1 mm = 0.03937 inch 1 kg = 2.2046 pound

W	H	D	U	h	d	kg	Model	Order no.	UP
600	2000	900	41	1852	740	87	RAL 7035	01.127.933.1	 1 unit
600	2000	900	41	1852	740	87	RAL 7021	01.127.933.8	 1 unit
600	2200	900	46	2052	740	93	RAL 7035	01.127.934.1	1 unit
600	2200	900	46	2052	740	93	RAL 7021	01.127.934.8	1 unit
600	2000	1000	41	1852	740	91	RAL 7035	01.127.935.1	 1 unit
600	2000	1000	41	1852	740	91	RAL 7021	01.127.935.8	 1 unit
600	2200	1000	46	2052	740	97	RAL 7035	01.127.936.1	1 unit
600	2200	1000	46	2050	740	97	RAL 7021	01.127.936.8	1 unit
600	2000	1200	41	1852	740	100	RAL 7035	01.128.310.1	1 unit
600	2000	1200	41	1852	740	100	RAL 7021	01.128.310.8	1 unit
600	2200	1200	46	2052	740	110	RAL 7035	01.128.311.1	1 unit
600	2200	1200	46	2052	740	110	RAL 7021	01.128.311.8	1 unit
600	2000	900	41	1852	740	74	No side panels, RAL 7035	01.127.980.1	1 unit
600	2000	900	41	1852	740	74	No side panels, RAL 7021	01.127.980.8	1 unit
600	2200	900	46	2052	740	79	No side panels, RAL 7035	01.127.981.1	1 unit
600	2200	900	46	2052	740	79	No side panels, RAL 7021	01.127.981.8	1 unit
600	2000	1000	41	1852	740	78	No side panels, RAL 7035	01.127.982.1	 1 unit
600	2000	1000	41	1852	740	78	No side panels, RAL 7021	01.127.982.8	 1 unit
600	2200	1000	46	2052	740	82	No side panels, RAL 7035	01.127.983.1	1 unit
600	2200	1000	46	2050	740	82	No side panels, RAL 7021	01.127.983.8	1 unit
800	2000	1000	41	1852	740	99	RAL 7035	01.128.314.1	 1 unit
800	2000	1000	41	1852	740	99	RAL 7021	01.128.314.8	 1 unit
800	2200	1000	46	2052	740	108	RAL 7035	01.128.315.1	1 unit
800	2200	1000	46	2052	740	108	RAL 7021	01.128.315.8	1 unit
800	2000	1200	41	1852	740	108	RAL 7035	01.128.316.1	 1 unit
800	2000	1200	41	1852	740	108	RAL 7021	01.128.316.8	 1 unit
800	2200	1200	46	2052	740	116	RAL 7035	01.128.317.1	1 unit
800	2200	1200	46	2052	740	116	RAL 7021	01.128.317.8	1 unit



MIR20319

Knürr Miracel® 19" ASP Rack, Server Rack
Width 600 mm, doors with perforation, with mobile plinth and tilt restraint

- Basic version with mobile plinth, integrated pull-out tilt restraint
- With special 19" server extrusions for mounting trade standard servers, such as Compaq, Dell, Sun, IBM
- With perforated doors on the front and rear for optimal airflow, honeycomb shaped, perforation, 83% airflow

■ **Jumpering space**
 At the front: 85.5 mm

■ **Load rating**
 5000 N static

■ **Protection rating**
 IP 20

■ **Airflow circulation**
 Perforation level: 83%

■ **Tests**
 - Earthing in acc. with VDE 0100 T 540
 - Vibration test in acc. with MIL-STD 810 E
 - IP test in acc. with DIN 40 050 / IEC 529

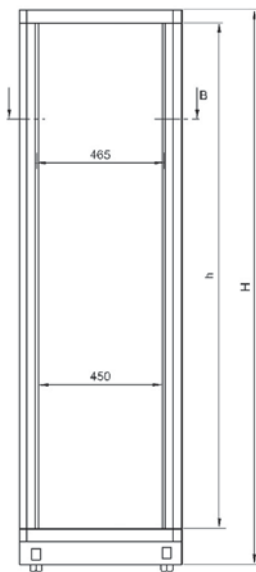
■ **Material/ Finish**
 - Basic rack, extruded aluminum, polished
 - Corner piece, die-cast aluminum
 - Multifunctional braces and 19" extrusions, sheet steel, zinc-passivated
 - Visible surface of the cover powder-coated texture

■ **Color**
 Final digit of order number .1:
 Visible surface of covers, RAL 7035 light gray
 Final digit of order number .8:
 Visible surfaces of the covers, RAL 7021 dark gray

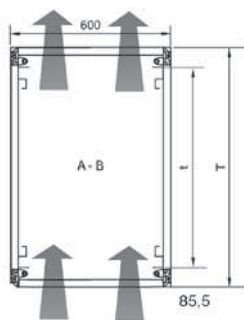
■ **Supply schedule**
 1 basic frame
 4 19" server sheet steel mounting hole extrusions
 2 perforated doors (perforation: 83%)
 2 side panels
 1 top cover with cable entry
 1 complete earthing set
 1 mobile plinth with tilt restraint

■ **How supplied**
 Assembled

■ **Note**
 Also order mounting adapter for 19" server extrusion for mounting Knürr accessories (see page 1.39)




MIR20186



MIR20186

W	H	D	U	h	d	kg	Model	Order no.	UP
600	2100	900	41	1852	740	97	With side panels, RAL 7035	01.127.925.1	1 unit
600	2100	900	41	1852	740	97	With side panels, RAL 7021	01.127.925.8	1 unit
600	2100	1000	41	1852	740	102	With side panels, RAL 7035	01.127.926.1	1 unit
600	2100	1000	41	1852	740	102	With side panels, RAL 7021	01.127.926.8	1 unit
600	2100	900	41	1852	740	84	No side panels, RAL 7035	01.127.928.1	1 unit
600	2100	900	41	1852	740	84	No side panels, RAL 7021	01.127.928.8	1 unit
600	2100	1000	41	1852	740	89	No side panels, RAL 7035	01.127.929.1	1 unit
600	2100	1000	41	1852	740	89	No side panels, RAL 7021	01.127.929.8	1 unit

Dimensions in mm: W = Width
 H = Height
 D = Depth
 h = installation height
 d = useful depth
 L = length
 U = standard height unit
 1 U = 44.45 mm
 UP = unit of packaging
 kg = weight
 = Express item

Conversion: 1 mm = 0.03937 inch 1 kg = 2.2046 pound



MIR20262

Auch in RAL 7021 Schwarzgrau

Knürr Miracel® 19" Server Rack Width 600, mobile, glass front door

- With fixed 19" installation on the front and rear for components in accordance with IEC297-3
- Prepared for mounting trade standard servers with special server extrusions
- Cable entry via plinth
- Door opening angle 180°
- Airflow from the front to the rear with recessed glass panel on the front door and perforation on the rear doors

Jumping space
At the front: 85.5 mm

Load rating
5000 N static

Airflow circulation
1500 cm² with 41 U
1700 cm² with 46 U

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

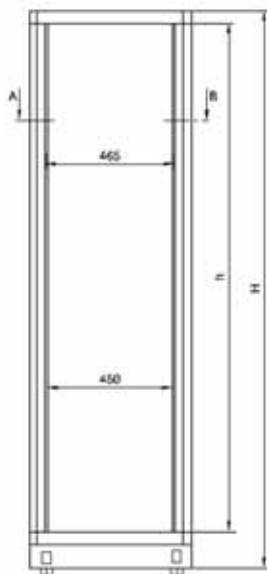
- Material/ Finish**
- Basic rack, extruded aluminum, polished
 - Corner piece, die-cast aluminum, polished
 - Covers, zinc-passivated sheet steel, powder-coated texture
 - Doors, sheet steel, powder-coated texture, glass infill, front door, single safety glass panel, 4 mm
 - Multifunctional braces, sheet steel, zinc-plated

- Color**
- Final digit of order number .1:
Visible surface of covers, RAL 7035 light gray
- Final digit of order number .8:
Visible surfaces of the covers, RAL 7021 dark gray

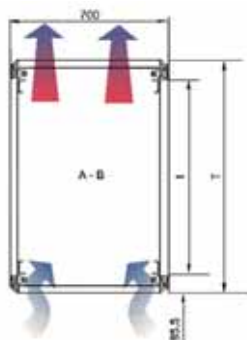
- Supply schedule**
- 1 basic frame
 - 4 19" sheet steel server extrusions
 - 2 side panels with quick connectors
 - 1 top cover, closed
 - 1 front door with single safety glass panel
 - 1 rear door, sheet steel with perforation, large air intake cross section
 - 1 mobile plinth with rear cable entry and leveling feet
 - 1 complete earthing set
 - 1 complete locking set

- How supplied**
Assembled

- Note**
Also order mounting adapter for 19" server extrusion for mounting Knürr accessories (see page 1.39)



MIR20288




MIR20288

W	H	D	U	h	d	kg	Model	Order no.	UP
600	2100	900	41	1852	740	120	RAL7035	01.128.300.1	1 unit
600	2100	900	41	1852	740	120	RAL7021	01.128.300.8	1 unit
600	2300	900	46	2052	740	135	RAL7035	01.128.301.1	1 unit
600	2300	900	46	2052	740	135	RAL7021	01.128.301.8	1 unit
600	2100	1000	41	1852	740	127	RAL7035	01.128.302.1	1 unit
600	2100	1000	41	1852	740	127	RAL7021	01.128.302.8	1 unit
600	2300	1000	46	2052	740	144	RAL7035	01.128.303.1	1 unit
600	2300	1000	46	2052	740	144	RAL7021	01.128.303.8	1 unit

Dimensions in mm: W = Width
H = Height
D = Depth
h = installation height
d = useful depth
L = length

U = standard height unit
1 U = 44.45 mm
UP = unit of packaging
kg = weight

 = Express item

Conversion: 1 mm = 0.03937 inch 1 kg = 2.2046 pound



MIR20319

Knürr Miracel® 19" Server Rack Width 700, doors with perforation

- Front door with large area perforation for ventilation
- Prepared for side cable management with asymmetric layout of the extrusions
- Front, on the side, 3 x 2 U additional 19" installation space

■ **Jumpering space**
At the front: 85.5 mm

■ **Protection rating**
IP 20

■ **Airflow circulation**
Perforation level: 83%

- **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
 - Multifunctional braces and 19" extrusions, sheet steel, zinc-passivated

■ **Color**

Final digit of order number .1:
Visible surface of covers, RAL 7035
light gray

Final digit of order number .8:
Visible surfaces of the covers, RAL 7021
dark gray

■ **Supply schedule**

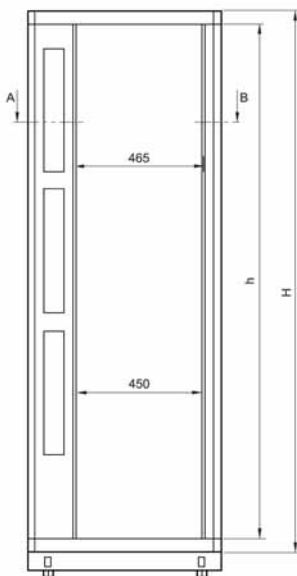
- 1 basic frame
- 4 19" sheet steel server extrusions
- 1 panel, side with 3 x 2 HU vertical installation space
- 2 side panels
- 1 top cover, closed
- 1 front door with large area perforation
- 1 rear door with large area perforation
- 1 mobile plinth with rear cable entry and leveling feet
- 1 complete earthing set
- 1 complete locking set

■ **How supplied**

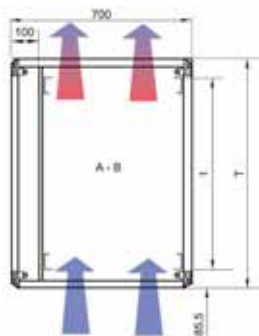
Assembled

■ **Note**

Also order mounting adapter for 19" server extrusion for mounting Knürr accessories (see page 1.39)



MIR20279




MIR20279

W	H	D	U	h	d	kg	Model	Order no.	UP
700	2100	900	41	1852	740	100	RAL 7035	01.127.960.1	1 unit
700	2100	900	41	1852	740	100	RAL 7021	01.127.960.8	1 unit
700	2300	900	46	2052	740	107	RAL 7035	01.127.961.1	1 unit
700	2300	900	46	2052	740	107	RAL 7021	01.127.961.8	1 unit
700	2100	1000	41	1852	740	104	RAL 7035	01.127.962.1	1 unit
700	2100	1000	41	1852	740	104	RAL 7021	01.127.962.8	1 unit
700	2300	1000	46	2052	740	111	RAL 7035	01.127.963.1	1 unit
700	2300	1000	46	2052	740	111	RAL 7021	01.127.963.8	1 unit

Dimensions in mm: W = Width
H = Height
D = Depth
h = installation height
d = useful depth
L = length

U = standard height unit
1 U = 44.45 mm
UP = unit of packaging
kg = weight

 = Express item

Conversion: 1 mm = 0.03937 inch 1 kg = 2.2046 pound



MIR20320

Knürr Miracel® 19" Server Rack Width 700, front glass door

- Front door with single safety glass panel and opening for air intake
- Prepared for side cable management with asymmetric layout of the extrusions
- Side, patented cable management saves on a high portion of the cable lengths required for extension
- Support brackets are required at the respective positions for mounting servers etc.
- The cable trays with swivel arm are prepared for mounting and routing cables without cable ties

■ **Jumpering space**
At the front: 85.5 mm

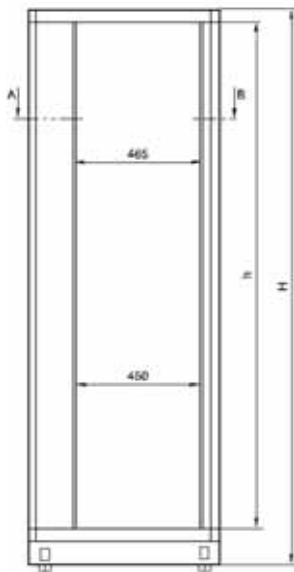
■ **Protection rating**
IP 20

- **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

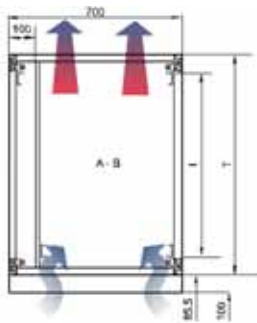
■ **Color**
RAL 7035 light gray

- **Supply schedule**
- 1 basic frame
 - 4 19" sheet steel mounting hole server extrusions
 - 2 side panels
 - 1 top cover, closed
 - 1 front door with single safety glass panel and openings for air intake
 - 1 rear door with large area perforation
 - 1 mobile plinth with rear cable entry and leveling feet
 - 6 cable trays with swivel arm (7 with 46 U)
 - 4 19"- support brackets, 2 U (5 with 46 U) (BN 01.132.053.9)
 - 2 19"- support brackets, 3 U (2 with 46 U) (BN 01.132.054.9)
 - 1 complete earthing set
 - 1 complete locking set

■ **How supplied**
Assembled



MIR20280



MIR20280

W	H	D	U	h	d	kg	Model	Order no.	UP
700	2100	900	41	1852	740	124		01.132.043.1	1 unit
700	2300	900	46	2052	740	133		01.132.044.1	1 unit

Dimensions in mm: W = Width
H = Height
D = Depth
h = installation height
d = useful depth
L = length

U = standard height unit
1 U = 44.45 mm
UP = unit of packaging
kg = weight
Express item

Conversion: 1 mm = 0.03937 inch 1 kg = 2.2046 pound



SMA20067

Knürr Smaract® 19" Server Compact Rack With perforated door

- For components in acc. with IEC 297-3
- Access from all sides, removable covers
- With special 19" server extrusions for mounting trade standard servers
- With perforated doors on the front and rear for optimal airflow
- Door opening angle, 180°

■ Jumping space

At the front: 75 mm

■ Airflow circulation

900 cm² with 9 U
590.55 in² with 15 U
826.77 in² with 21 U
2400 cm² with 24 U

■ Material/Finish

- Basic rack, extruded aluminum, polished
- Corner connector, die-cast, polished
- Covers, sheet steel, powder-coated texture

■ Color

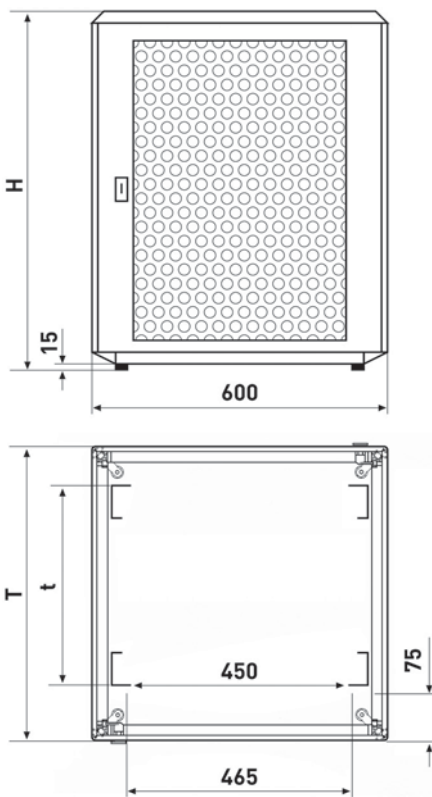
Final digit of order number .1:
RAL 7035 light gray
Final digit of order number .8:
RAL 7021 dark gray

■ Supply schedule

1 basic rack
2 side panels, closed, hinged on both sides
1 top cover, closed
1 front door with perforation, lockable
1 rear door with perforation, lockable
4 19" server sheet steel mounting hole extrusions
1 earthing set
4 leveling feet

■ Note

Also order mounting adapters for 19" server extrusion for mounting Knürr accessories. Set with 4 adapters 01.127.119.9



SMA20060

W	H	D	U	h	d	kg	Model	Order no.	UP
600	478	900	9	740	21	21	With 19" server extru., RAL 7035	02.110.010.1	1 unit
600	478	900	9	740	21	21	With 19" server extru., RAL 7021	02.110.010.8	1 unit
600	745	900	15	740	29	29	With 19" server extru., RAL 7035	02.110.020.1	1 unit
600	745	900	15	740	29	29	With 19" server extru., RAL 7021	02.110.020.8	1 unit
600	1012	900	21	740	37	37	With 19" server extru., RAL 7035	02.110.030.1	1 unit
600	1012	900	21	740	37	37	With 19" server extru., RAL 7021	02.110.030.8	1 unit
600	1145	900	24	740	41	41	With 19" server extru., RAL 7035	02.110.035.1	1 unit
600	1145	900	24	740	41	41	With 19" server extru., RAL 7021	02.110.035.8	1 unit

RHF SERIES 19" HIGH LOAD RACKS

The RHF rack is designed to cope with the increased loads of today's IT equipment within the data center, equipment room and network or telecommunications closet. The RHF's ultra heavy duty, all welded construction and 1500kg load rating mean that it's possible to accommodate the heaviest equipment within a standard rack footprint. The RHF comes with the full range of doors, panels and locks. Available in 42U height, 600 and 800mm wide with 1000mm depth, the RHF is designed to work with CONTEG's air-flow optimization solutions and flexible cable management (see page 87 to find out more on High Density Wire Managers) which means that the RHF can be tailored to suit your needs.

COLOR SAMPLER:

RAL 9005

RAL 7035

PREMIUM



RHF-42-80/100

DESCRIPTION:

Sizes

- Height: 42U
- Width: 600, 800mm
- Depth: 1000mm

Construction

- Welded frame construction
- 2.5mm sheet steel

Load rating

- 1500kg balanced load

19" vertical extrusions

- 2 pairs of sliding 19" vertical L-type (600mm) or P-type (800mm) extrusions (extends installation height of the rack for 12U)
- C-type extrusions optionally (800mm)

IP rating

- Standard IP20
- IP40 when solid doors or panels applied
- Optionally up to IP54
- A/C ready – IP54 when A/C unit installed

Colors

- Standard RAL 7035 and 9005
- Optionally other colors

Front door

- Vented door – perforation rate 83%
- Swivel handle lock – DIN profile, universal key 333, multipoint; optionally half profile cylinder or combination lock single or multipoint (other locks on request)
- Door opening angle 180°
- Easy re-hanging to open on right or left
- Optionally glass, steel, perforated, glass with perforation, vertically divided door

Rear door

- Vented door – perforation rate 83%
- Swivel handle lock – DIN profile, universal key 333, multipoint; optionally half profile cylinder or combination lock single or multipoint (other locks on request)
- Optionally can be replaced by full range of front doors and panels

Side panels

- Removable with locks

Top plate

- Single-piece design, removable
- 4" (100mm) rounded cable entry in every corner covered by plastic cap
- 300x100mm cable entries covered with removable sheet steel blank panels

Bottom plate

- Segmented design, removable
- 4" (100mm) rounded cable entry in every corner covered by plastic caps
- 300x100mm cable entries covered with removable sheets steel blank panels

Feet

- Adjustable feet as standard; high load plinth optionally

Adaptation

- Possibility to adapt for installation of 21" equipment (on request)
- Adaptor DP-RE-01 (ordered separately)

Other

- Racks can be installed in blocks by using DP-DR-UNI (ordered separately)
- A/C & cooling units compatible – see page 75 for details
- GND/earthing kit included



RSF SERIES 19" SERVER RACKS

The RSF rack is designed as a pure server cabinet and is intended to be used in data centers, equipment rooms and network or telecommunication closets. The RSF's heavy duty, all welded construction and 1000kg load rating mean that it's possible to accommodate the heavy equipment within a standard rack footprint. The RSF comes with the full range of doors, panels and locks. Available in various heights and depths the RSF is designed to work with CONTEG's air-flow optimization solutions and flexible cable management which means that the RSF can be tailored to suit your needs. The RSF can be completed with many complementary systems (e.g. Intelligent Power PDUs – see page 103) so housing your servers can become even more safe and comfortable.

COLOR SAMPLER:

RAL 9005

RAL 7035

PREMIUM



RSF-42-80/80

DESCRIPTION:

Sizes

- Height: 27, 42, 45, 48U
- Width: 600, 800mm
- Depth: 800, 1000, 1200mm (1200mm not available for 27U)

Construction

- Welded frame construction
- 1.5 & 2.0mm sheet steel

Load rating

- 1000kg balanced load (800kg for 27U only)

19" vertical extrusions

- 2 pairs of sliding 19" vertical L-type extrusions (600mm) or P-type (800mm) extrusions (extends installation height of the rack for 12U – valid for racks 42U and higher)
- Rear pair of vertical extrusions is divided in up to 3 parts (according to rack's height) for individual settings according to server depth

IP rating

- Standard IP20
- IP40 when solid doors or panels applied
- Optionally up to IP54
- A/C ready – IP54 when A/C unit installed

Colors

- Standard RAL 7035 and 9005
- Optionally other colors

Front door

- Vented door – perforation rate 83%
- Swivel handle lock – DIN profile, universal key 333, multipoint; optionally half profile cylinder or combination lock single or multipoint (other locks on request)
- Door opening angle 180°
- Easy re-hanging to open on right or left
- Optionally glass, steel, perforated, glass with perforation, vertically divided door

Rear door

- Vented door – perforation rate 83%
- Swivel handle lock – DIN profile, universal key 333, multipoint; optionally half profile cylinder or combination lock single or multipoint (other locks on request)
- Optionally can be replaced by full range of front doors and panels

Side panels

- Removable with locks

Top plate

- Single-piece design, removable
- 4" (100mm) rounded cable entry in every corner covered by plastic cap
- 300x100mm cable entries covered with removable sheet steel blank panels

Bottom plate

- Segmented design, removable
- 4" (100mm) rounded cable entry in every corner covered by plastic caps
- 300x100mm cable entries covered with removable sheets steel blank panels

Feet

- Adjustable feet as standard; plinth or plinth with filter optionally

Adaptation

- Possibility to adapt for installation of 21" equipment (on request)
- Adaptor DP-RE-01 needed (ordered separately)

Other

- Racks can be installed in blocks by using DP-DR-UNI (ordered separately)
- A/C & cooling units compatible – see page 75 for details
- GND/earthing kit included

