

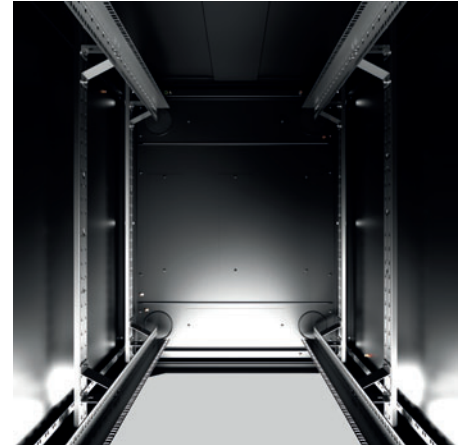
DATASHEET
Free-Standing
Racks
PREMIUM
Cabling RDF

CONTEG



RSF-42-80/100-BLA2-H

➤ The **PREMIUM Cabling RDF** rack is designed as a pure cabling rack for data centers, equipment rooms and network or telecommunication closets. RDF racks installed with advanced cabling systems (such as High Density Wire Management, OptiWay and Top Ducts), provide the best possible support and care.



MAIN ADVANTAGES

- All-purpose rack designed for cabling applications with load up to 800 kg
- Fully configurable
- Compatible with all cable management systems—OptiWay, High Density Wire Management, Top Ducts

COLOR:  RAL 9005  RAL 7035

DESCRIPTION

Sizes

- Height: 42, 45, 48U
 - Width: 800 mm
 - Depth: 800, 1000, 1200 mm
- For detailed information see the Dimensions and Features table

Construction

- Welded-frame design
- 1.5 & 2.0 mm sheet steel

Load rating

- 800 kg balanced load

19" vertical extrusions

- 2 pairs of sliding 19" extrusions, adjustable from inside

IP rating

- Standard IP40
- Optional IP54 (with multipoint lock only)
- IP20 with perforated or vented doors
- A/C ready—IP54 when A/C unit installed with multipoint lock

Colors

- Standard RAL 7035 and 9005

Front door

- Tinted security glass door
- Swivel handle lock—DIN profile, universal key 333, multipoint; optional combination lock or electronic locks; single or multipoint
- Door opening angle 180°
- Easy re-hanging to open on right or left
- Optional steel, vented, perforated, glass with perforation, vertically divided door

Rear door

- Sheet steel door
- Swivel handle lock—DIN profile, universal key 333, multipoint; optional combination lock or electronic locks, single or multipoint
- Can be replaced by a full range of front door and panel options

Side panels

- Removable with locks

Top plate

- Single-piece design, removable
- 4" (100 mm) rounded cable entry in every corner covered by plastic cap
- 300 × 100 mm cable entries covered with removable blank sheet steel panels
- 300 × 50 mm cable entries covered with removable blank sheet steel panels
- 420 × 280 mm ventilation opening(s) covered with removable blank sheet steel panels allow for installation of 6-fan ventilation unit(s) (800 mm and 1200 mm deep racks only)
- 420 × 440 mm ventilation opening covered with removable blank sheet steel panels allow for installation of 9-fan ventilation unit (1000 mm deep racks only)

Bottom plate

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

Feet

- Adjustable feet standard; castors, lockable castors, plinth or plinth with filter options

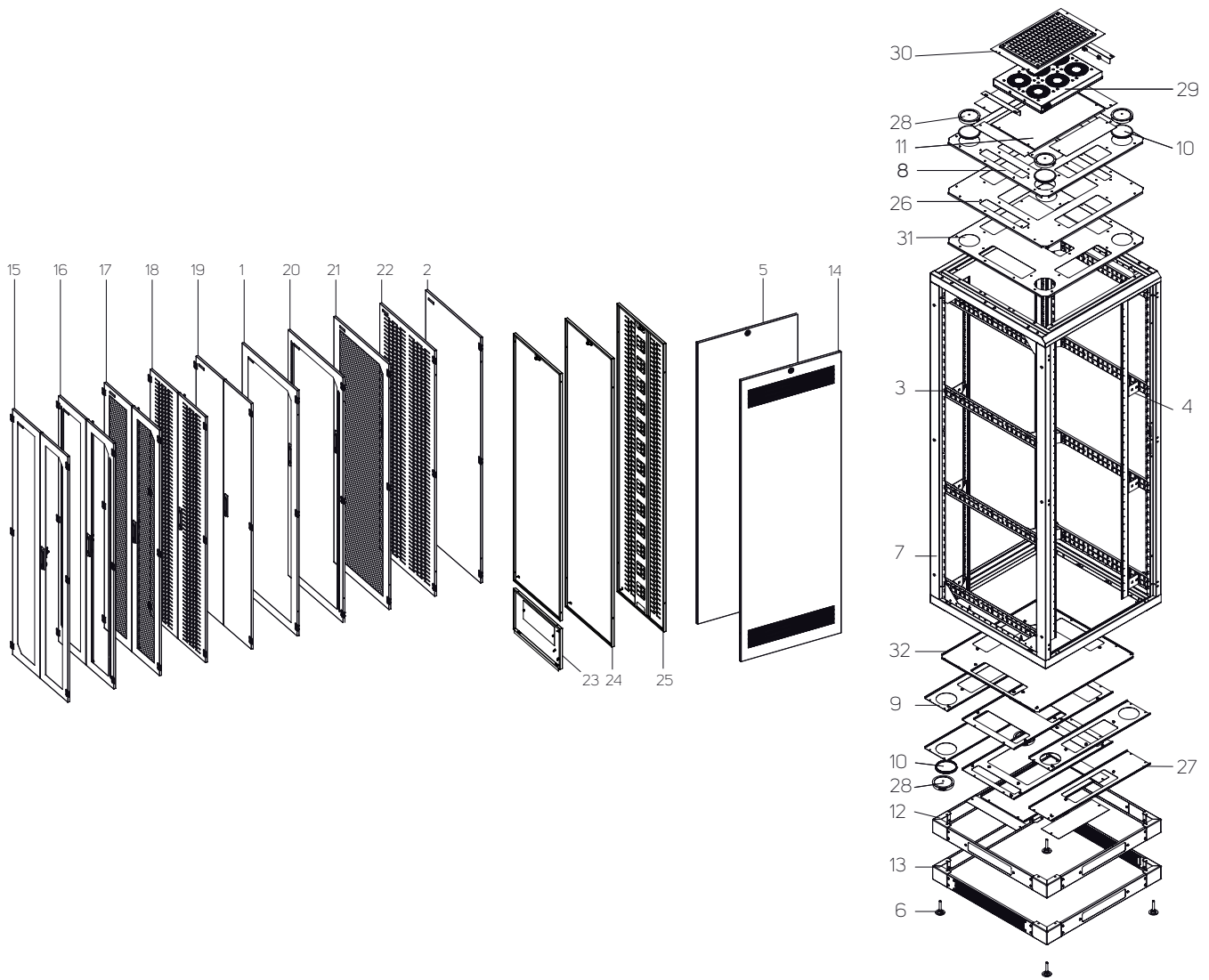
Adaptation

- Adaptable for installation of 21" equipment

Other

- Installable in blocks with DP-DR-UNI (ordered separately)
- GND/earthing kit included

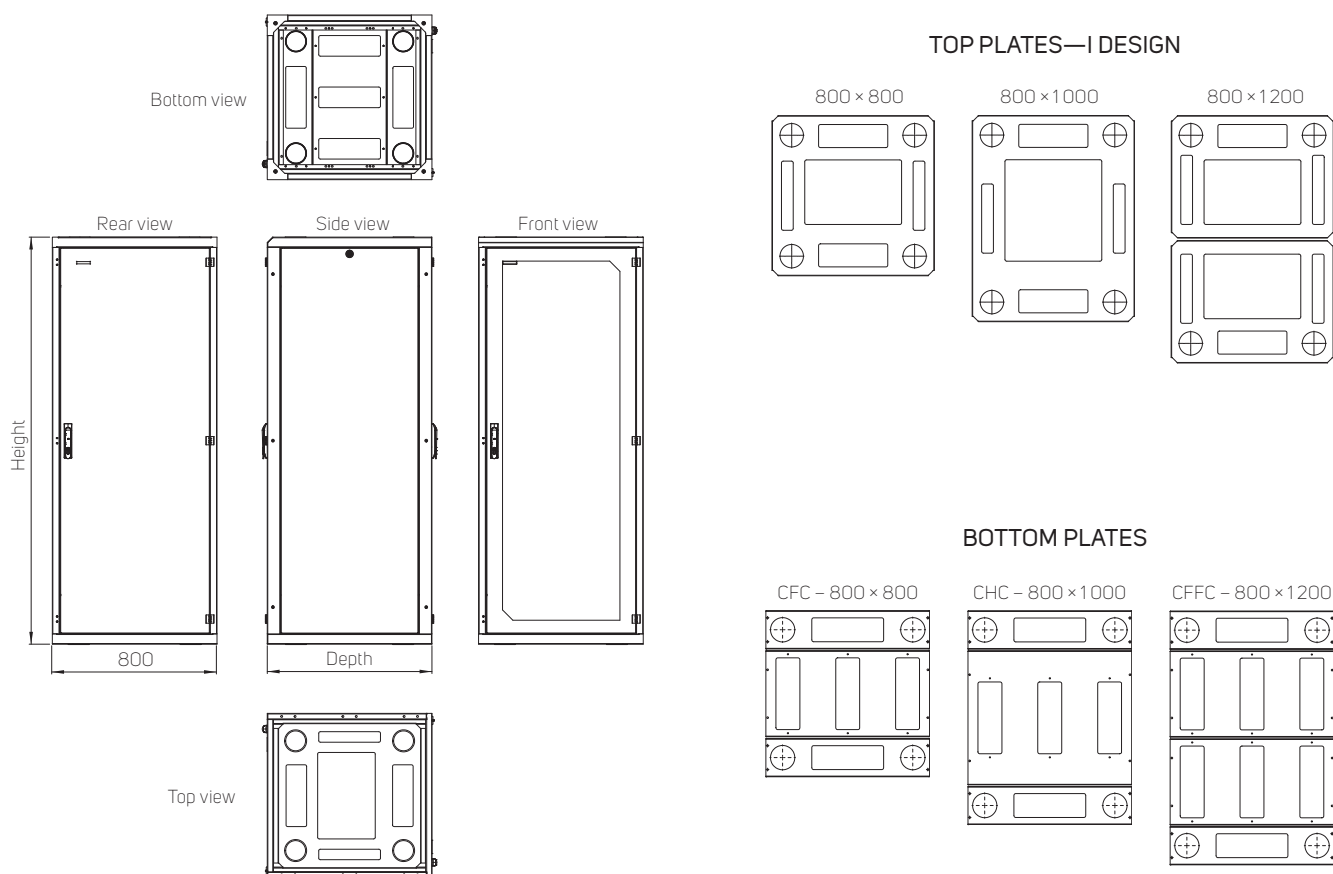
PREMIUM Cabling RDF Racks



STANDARD CONFIGURATION (short code only)		OPTIONS	
1	Front glass door with swivel handle lock	12	Plinth
2	Rear sheet steel door with swivel handle lock	13	Plinth with filter
3	2 pairs of 19" sliding extrusions	14	1 pair of side panels with perforation
4	Vertical extrusion holders	15	Vertically divided glass door*
5	1 pair of side panels with lock	16	Vertically divided glass door with perforation*
6	Adjustable feet	17	Vertically divided vented door 86 %
7	Rack frame	18	Vertically divided perforated sheet steel door*
8	Removable I-design top plate with cable entry and ventilation openings	19	Vertically divided sheet steel door*
9	Removable segmented bottom plate set (consists of C and F-design plates; may differ for other rack footprints) with cable entry openings	20	Glass door with side perforation
10	Plastic caps and blank panels for cable entry openings	21	Vented door 86 %
11	Blank panel for ventilation opening	22	Perforated sheet steel door
	• GND/earthing kit	23	Rear panel with module
	• 28 mounting kits	24	Rear panel—1 piece
	• BONUS: 2 rounded cable grommets with free DP-KP-RB4 brush	25	Rear panel—perforated
		26	Removable B-design top plate with cable entry and ventilation openings
		27	Removable segmented bottom plate set (consists of B and G-design plates; may differ for other rack footprints) with cable entry and ventilation openings
		28	Rounded cable grommet with brush
		29	Ventilation unit
		30	Connecting kit with filter for ventilation unit
		31	Removable F-design top plate with cable entry and ventilation openings
		32	Removable X-design bottom plate with cable entry openings

* Requires multipoint lock.

PREMIUM Cabling RDF Racks—technical drawing



Cable entries and ventilation openings

Rack dimensions (width × depth)	Top plate openings					Bottom plate openings	
	300 × 100 mm	300 × 50 mm	4" (Ø 100 mm)	420 × 280 mm	420 × 440 mm	300 × 100 mm	4" (Ø 100 mm)
800 × 800 mm	2×	2×	4×	1×	–	5×	4×
800 × 1000 mm	2×	2×	4×	–	1×	5×	4×
800 × 1200 mm	2×	4×	4×	2×	–	8×	4×

Technical data and dimensions

Code	H (in U)	Load rating (kg)	Dimensions (mm)				Dimensions incl. packing (mm)			Gross weight (kg)
			H *	W	D	Useful depth	H	W	D	
RDF-42-80/80	42	800	1978	800	800	731	2160	840	840	134
RDF-45-80/80	45	800	2111	800	800	731	2290	840	840	141
RDF-48-80/80	48	800	2245	800	800	731	2430	840	840	147
RDF-42-80/100	42	800	1978	800	1000	931	2160	840	1040	157
RDF-45-80/100	45	800	2111	800	1000	931	2290	840	1040	165
RDF-48-80/100	48	800	2245	800	1000	931	2430	840	1040	173
RDF-42-80/120	42	800	1978	800	1200	1131	2160	840	1240	175
RDF-45-80/120	45	800	2111	800	1200	1131	2290	840	1240	198
RDF-48-80/120	48	800	2245	800	1200	1131	2430	840	1240	208

* Height in mm without feet; for feet add 16–45 mm.

PREMIUM Cabling RDF Racks—ordering and shipping information

Configure the rack that meets your requirements. The ordering matrix below will help you create a Code. As soon as you have the Code, please contact your CONTEG products distributor. Please note that **all RDF racks are delivered fully assembled** and palletized!

FOLLOW THE STEPS TO SET UP THE DESIRED RDF RACK CODE

R D F - 1. - 2. / 3. 4. - 5. 6. 7. 8. 9. - 10. 11. 12. - 13.

An example of a correct Code:

R D F - 45 - 80 / 8 0 - A W S W A - A C 5 - H

1. HEIGHT		
Code	Height (in U)	External height (mm)
42	42	1978
45	45	2111
48	48	2245

2. WIDTH	
Code	Width (mm)
80	800

3. DEPTH		
Code	Depth (mm)	Useful depth (mm)
8	800	731
10	1000	931
12	1200	1131

4. EXTRUSION			
Code	Front pair	Rear pair	Note
0	L	L	L-type undivided extrusions

5. FRONT DOOR	
Code	Note
O	Without door
G	Glass door
S	Sheet steel door
P	Perforated sheet steel door ¹
T	Glass door with side perforation ²
W	Vented door (perforation rate 86%) ²
A	Vertically divided glass door ³
B	Vertically divided glass door with side perforation ⁵
C	Vertically divided sheet steel door ³
D	Vertically divided perforated sheet steel door ⁴
F	Vertically divided vented door (perforation rate 86%) ¹
	Other

6. FRONT DOOR LOCK	
Code	Note
V	Swivel handle, DIN profile, universal key 333
W	Swivel handle, DIN profile, universal key 333, multipoint
G	Swivel handle with combination lock, individual key
H	Swivel handle with combination lock, individual key, multipoint
1	Electronic door lock with profile half cylinder, cable 4 m
2	Electronic door lock with profile half cylinder and built-in card reader (EM&HID Prox format 125 kHz), 4.5 m cables included
3	Electronic door lock with profile half cylinder, cable 4 m, multipoint
4	Electronic door lock with profile half cylinder and built-in card reader (EM&HID Prox format 125 kHz), 4.5 m cables included, multipoint
	Other

7. REAR DOOR/PANEL	
Code	Note
O	Without panel/door
G	Glass door
S	Sheet steel door
P	Perforated sheet steel door ¹
T	Glass door with side perforation ²
W	Vented door (perforation rate 86%) ¹
A	Vertically divided glass door ³
B	Vertically divided glass door with side perforation ⁵
C	Vertically divided sheet steel door ³
D	Vertically divided perforated sheet steel door ⁴
F	Vertically divided vented door (perforation rate 86%) ¹
Y	Rear panel—single piece ^{2,6}
R	Rear panel—divided, with cable entry ⁵
Z	Perforated rear panel—single piece ⁷
	Other

8. REAR DOOR/PANEL LOCK	
Code	Options
V	Swivel handle, DIN profile, universal key 333
W	Swivel handle, DIN profile, universal key 333, multipoint
G	Swivel handle with combination lock, individual key
H	Swivel handle with combination lock, individual key, multipoint
1	Electronic door lock with profile half cylinder, cable 4 m
2	Electronic door lock with profile half cylinder and built-in card reader (EM&HID Prox format 125 kHz), 4.5 m cables included
3	Electronic door lock with profile half cylinder, cable 4 m, multipoint
4	Electronic door lock with profile half cylinder and built-in card reader (EM&HID Prox format 125 kHz), 4.5 m cables included, multipoint
U	Lock for rear panel, universal key
X	Lock for rear panel, keyed different
	Other

¹IP 20 max.
²IP 30 max.
³Multipoint lock only
⁴Multipoint lock only, IP 20 max.
⁵Multipoint lock only, IP 30 max.

¹IP 20 max.; ²IP 30 max.; ³Multipoint lock only;
⁴Multipoint lock only, IP 20 max.;
⁵Multipoint lock only, IP 30 max.;
⁶Lock code U or X only;
⁷Lock code U or X only, IP 20 max.

9. SIDE PANELS (BOTH SIDES) *	
Code	Note
O	No side panels
A	2 side panels, sheet steel, universal key
B	1 side panel, sheet steel, universal key
	Other

10. IP RATING ¹	
Code	Note
0	IP00
2	IP20
3	IP30
4	IP40
5	IP54 ³
A	A/C ready ²

11. PLATES ¹			
Code	Top plate	Bottom plate	Note
A	P	X	Top and bottom single piece plates required for IP54
C	no top	X	Open top—for A/C-ready option (table 10)
H	I	XXX/XXXX ²	Standard—one piece top plate, segmented bottom plate
I	I	no bottom ³	Open bottom—ready for installation on raised floor or plinth
X	no top ³	no bottom ³	Open top and bottom, for individual plates go to page 21

*Open side/sides result in no IP protection; side panels with perforation result in max. IP20 protection rating.

¹According to EN 60 529
²Ready for A/C unit installation; recommended when cooling planned or required; IP54 when A/C unit installed according to instructions
³Multipoint lock only

¹For more information on plates, see catalogue's page 21
²800 × 800: CFC, 800 × 1000: CHC, 800 × 1200: CFFC
³Open top or bottom results in no IP protection, unless otherwise stated

12. LOAD RATING		
Code	Load rate (kg)	Note
5	800	Balanced load

13. COLOR	
Code	Note
B	RAL 7035 (light gray)
H	RAL 9005 (black)

Configure your IT rack on-line
<https://partner.conteg.com/en/it>

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