

DATASHEET
Free-Standing
Racks
PREMIUM
Housing RB1

CONTEG

FREE-STANDING RACKS

PREMIUM HOUSING RB1




RB1-42-80/120-3

➤ The **PREMIUM Housing RB1** rack series is designed for server housing and co-location centers. All types of active or passive 19" equipment can be housed inside.



MAIN ADVANTAGES

- Flexible server-housing rack for collocation and housing data centers
- 2, 3 and 4 individual compartments
- Unmatched 86% door perforation ratio decreases server fan power consumption
- Installable as standalone or in rows with other racks
- Individual cable guides for cable management included
- Separation frame for each compartment

COLOR:  RAL 9005  RAL 7035

DESCRIPTION

Sizes

- Height: 42, 47, 52U
- Width: 600, 800 mm
- Depth: 1000 and 1200 mm

Construction

- 1.5 & 2.0 mm sheet steel
- 2–4 compartments; other combinations upon request

Load rating

- 2 000 kg maximum load rating per frame
- Load rating 500 kg per 19" compartments; 100 kg per shelf

IP rating

- IP20

Colors

- Standard RAL 7035 and 9005

Front and rear doors

- Vented door—perforation rate 86%
- Swivel handle lock—DIN profile, universal key 333, single point
- Door opening angle 190°
- Easy re-hanging to open on right or left

Side panels

- Horizontally divided full side panels

- Removable with locks
- Hanging simple installation
- Securing of side panels as an option—DP-DR-SSP-RF1

Cable entries

- Top and bottom

19" vertical extrusions

2 pairs for each section, sliding depth adjustment:

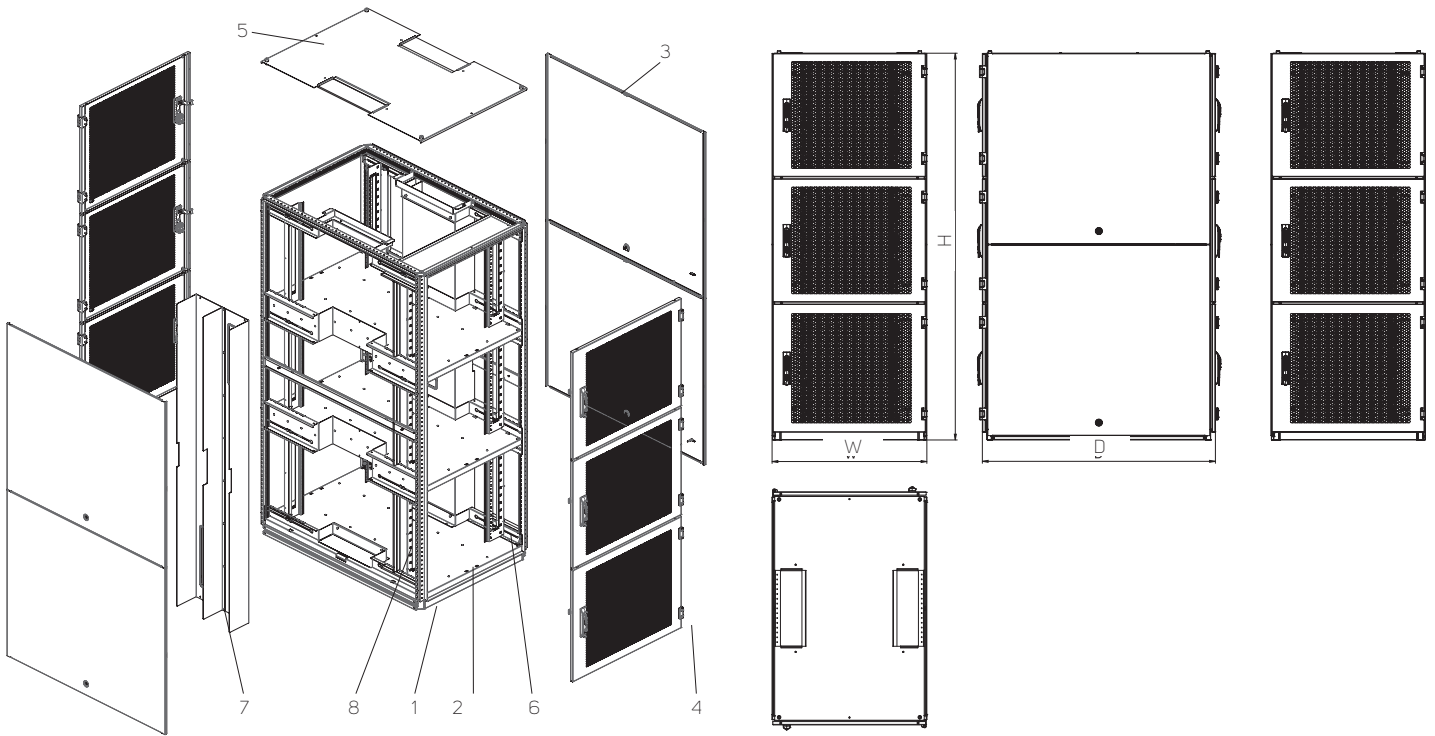
- L-type — for 600 mm wide racks (2–4 compartments)
- P-type — for 800 mm wide racks (2–3 compartments)
- C-type — for 800 mm wide racks (4 compartments)

Other

- Individual cabling for each compartment included
- GND/earthing kit included
- Installable in blocks with DP-DR-RF1 (ordered separately)
- Air separation frame for all compartments (ordered separately)

Rack height	2 sections (individual heights)	3 sections (individual heights)	4 sections (individual heights)
42U	20, 20U	13, 13, 13U	9, 10, 10, 9U
47U	22, 22U	14, 15, 14U	10, 11, 11, 10U
52U	25, 25U	17, 17, 16U	12, 12, 12, 11U

PREMIUM Housing RB1 Racks



RB1-42-80/120-3

STANDARD CONFIGURATION (short Code only) *		OPTIONS	
1	Server housing rack frame	8	Separation frame for each compartment
2	3 pieces of high-load shelf		
3	2 removable side panels with locks		
4	6 pieces of vented doors with swivel handle lock		
5	Removable Z-design top plate with cable entry openings		
6	2 pairs of 19" vertical P-type extrusions for each compartment		
7	Set of individual cable guiding		
	• GND/earthing kit		
	• 28 mounting kits		

* Valid for RB1 racks with 3 compartments.

Technical data and dimensions

Code	H (in U)	Load rating (kg)	Dimensions (mm)				Dimensions incl. packing (mm)		
			H	W	D	Useful depth	H	W	D
RB1-42-60/100	42	2000	2005	600	1000	970	2160	660	1060
RB1-47-60/100	47	2000	2205	600	1000	970	2360	660	1060
RB1-52-60/100	52	2000	2450	600	1000	970	2605	660	1060
RB1-42-60/120	42	2000	2005	600	1200	1170	2160	660	1260
RB1-47-60/120	47	2000	2205	600	1200	1170	2360	660	1260
RB1-52-60/120	52	2000	2450	600	1200	1170	2605	660	1260
RB1-42-80/100	42	2000	2005	800	1000	970	2160	860	1060
RB1-47-80/100	47	2000	2205	800	1000	970	2360	860	1060
RB1-52-80/100	52	2000	2450	800	1000	970	2605	860	1060
RB1-42-80/120	42	2000	2005	800	1200	1170	2160	860	1260
RB1-47-80/120	47	2000	2205	800	1200	1170	2360	860	1260
RB1-52-80/120	52	2000	2450	800	1200	1170	2605	860	1260

PREMIUM Housing RB1 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 RB1 racks are delivered fully assembled** and palletized.

FOLLOW THE STEPS TO SET UP THE DESIRED RB1 RACK CODE

R B 1 - 1. - 2. / 3. - 4. - 5.

An example of a correct Code:

R B 1 - 47 - 60 / 100 - 3 - B

1. HEIGHT *		
Code	Height (in U)	External height (mm)
42	42	2 005
47	47	2 205
52	52	2 450

* Height in mm without feet.

2. WIDTH	
Code	Width (mm)
60	600
80	800

3. DEPTH	
Code	Depth (mm)
100	1 000
120	1 200

4. NUMBER OF COMPARTMENTS	
Code	Options
2	2 compartments
3	3 compartments
4	4 compartments

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

ACCESSORIES	
Code	Description
DP-RB1-CW-y ¹ -xx ²	Set of air separation frames for RB1 racks

¹Substitute **y** with number of compartments (2, 3 or 4).
²Substitute **xx** with height of rack in U (42, 47 or 52).

Recommended accessories



Managed PDU



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