



CONTEG[®]
to complete your network

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Data Sheet

19" racks RHF series

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The RHF rack is designed to cope with the increased loads of today's IT equipment within the data centre, 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 is fully compatible with the ROF range of accessories. Due to this fact it's easy to tailor the solution to your requirements. 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 which mean that the RHF can be tailored to suit your needs.

KEY FEATURES

Desirable Size

The RHF rack is available in height 42U and depth 1000mm. RHF racks are available in 600 and 800mm.

Flexible Configuration

The flexibility offered by the RHF rack means you can choose from 10 door styles and 14 lock types to ensure your exact requirements are met.

Stronger by Design

The RHF racks feature all welded frame construction using 2.5mm sheet steel with four 19" vertical extrusions fitted as standard. Load rating of 1500kg ensures excellent stability and safe installation of all types of equipment (passive, active, servers).

Thermal Management

The RHF rack series is compatible with wall mount, rear mount (open architecture) and side mount cooling systems from the portfolio of CONTEG's Targeted Cooling, to ensure that cold air is delivered where it's needed most - at the equipment.

Cable Management

The RHF rack series is fully compatible with the wide range of CONTEG cable management products for managing copper, fibre and power cables effectively ensuring a neat and tidy final installation.



RHF 800

RELATED ACCESSORIES

- Accessories for proper air management (Air Deflector, etc.)
- Ventilation Units
- Vertical Cable Management
- Horizontal Cable Management
- Shelving
- Blanking Panels
- Power Strips
- Power Cord Management
- KVM/LCD Consoles
- RAMOS Mini

APPLICATIONS

The RHF rack is a high-load solution designed for deployment within the Data Center, Network Equipment Rooms, Telecommunication Closets and Computer Rooms. The load rate up to 1500kg mean that the RHF rack can be used for safe installing and storing servers, UPS units, Disk Arrays, and other heavy equipment.

H 	42U
W 	600mm a 800mm
D 	1000mm
kg 	1500kg (balanced load)
IP 	IP30, optionally IP54
RAL 	RAL 7035, RAL 9005

STANDARD EQUIPMENT

- 2 pairs of 19" sliding vertical extrusions
- Rear panel with module for cable entry
- Tinted security glass front door
- (EN 12150-1) with swivel handle lock
- Removable top and bottom plate
- 1 pair of side panels with lock
- 4 adjustable feet
- GND/earthing kit
- 28 mounting kits

DESCRIPTION

Sizes

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

Construction

- Welded frame construction
- 2.5mm sheet steel

Load rating

- 1500kg balanced load

IP rating

- Standard IP30
- Optionally IP54
- IP20 when perforated doors used
- AC ready - IP54 when AC unit installed

Colors

- Standard RAL 7035 and 9005
- Optionally other colors

Front door

- Tinted security glass door
- Swivel handle lock - single or multipoint, optionally cylinder or digital code lock (other locks on request)
- Door opening angle 180°
- Easy re-hanging to open on right or left
- Optionally steel, vented, perforated, glass with perforation, vertically divided door

Rear panel

- Removable with module for cable entry
- Optionally can be replaced by full range of front doors

Side panels

- Removable with locks

Cable entries

- 1 opening 300x100mm in the rear module
- 2 openings 300x100mm and 2 openings 300x50mm in both top and bottom plate
- All cable entries covered by removable blank panels

Ventilation unit openings

- Top plate
- Bottom plate
- All ventilation unit openings covered by removable blank panels

Feet

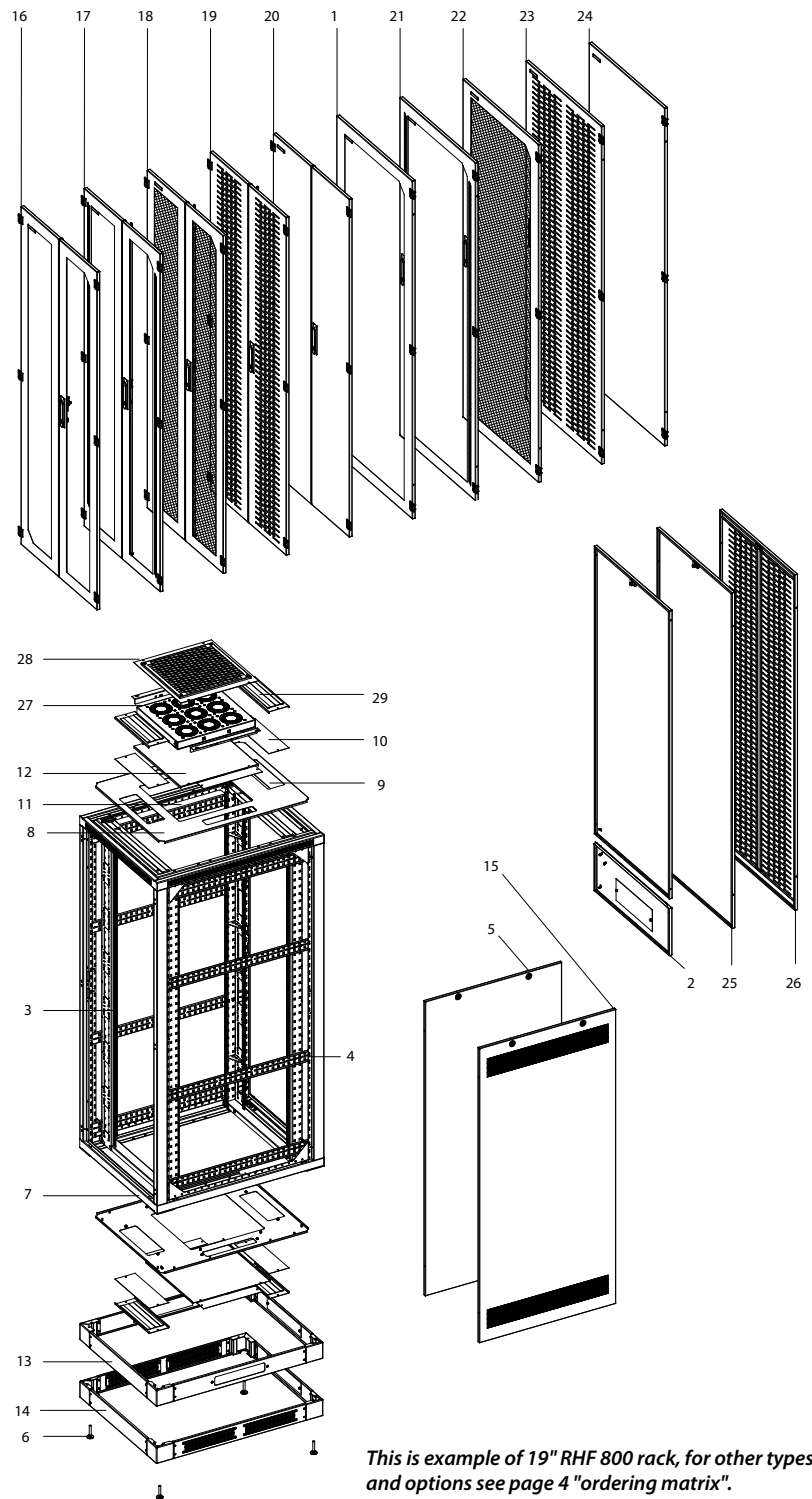
- Adjustable feet as standard; high load Plinth optionally

Adaptation

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

Other

- Racks can be installed in blocks
- Compatible with side, wall, rear, and top mount cooling
- GND/earthing kit included



This is example of 19" RHF 800 rack, for other types and options see page 4 "ordering matrix".

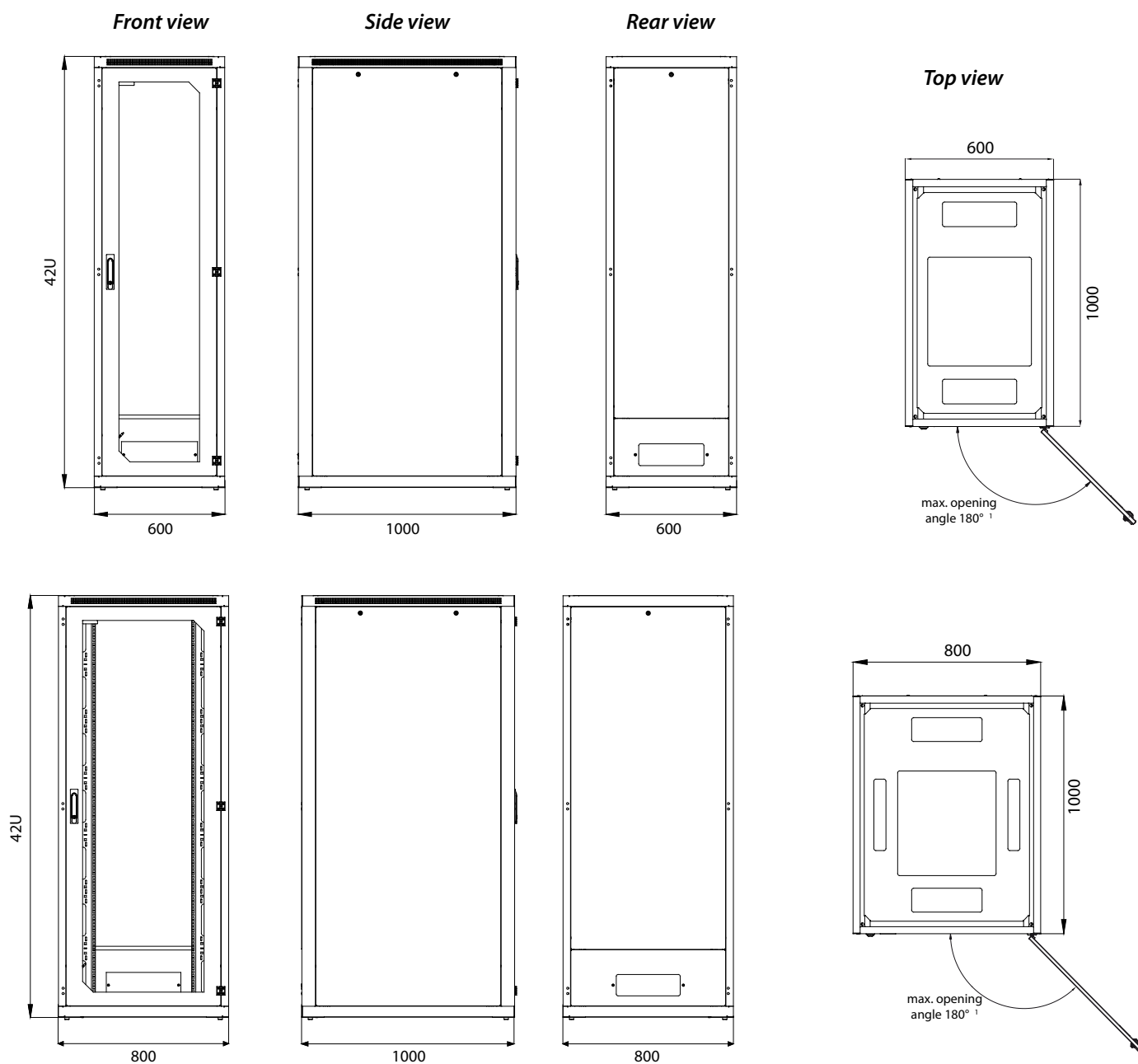
STANDARD EQUIPMENT		OPTIONAL EQUIPMENT (EXAMPLES)	
1	Glass door	13	Plinth
2	Rear panel with module (can be replaced by any door)	14	Plinth with filter
3	4 pcs of 19" sliding extrusions	15	1 pair of side panels with perforation
4	Holders of vertical extrusions	16	Vertically divided glass door
5	1 pair of side panels with lock	17	Vertically divided glass door with perforation
6	Adjustable feet	18	Vertically divided vented door
7	Frame of rack	19	Vertically divided perforated sheet steel door
8	Removable top and bottom plate	20	Vertically divided sheet steel door
9	Top and bottom cable entry openings	21	Glass door with side perforation
10	Blank panels for cable entry openings	22	Vented door
11	Top and bottom openings for ventilation unit	23	Perforated sheet steel door
12	Blank panels for openings for ventilation unit	24	Sheet steel door
		25	Rear panel - 1 piece
		26	Rear panel - perforated
		27	Ventilation unit
		28	Connecting kit with filter for ventilation unit
		29	Dust-proof panels with brush for cable entry openings

COLOR SAMPLER:

RAL 9005

RAL 7035

RHF racks are available in these color options.*



All dimensions in mm

¹ when rear doors applied (rear panel as standard) the max. angle is also 180°

Cable entries

- 1 opening (300x100mm) in the module (rear panel)
- 2 openings (300x100mm) in both top and bottom plate (600mm wide racks)
- 2 openings (300x100mm) and 2 openings (300x50mm) in both top and bottom plate (800mm wide racks)

Ventilation unit openings

420x440mm (2x)

* Conteg reserves the right to change colors specification shown in this sampler. Such changes along with eventual inaccuracies shall not constitute grounds for compensation.

ORDERING INFORMATION

Configure the rack, which will meet your requirements. The below displayed ordering matrix will help you in creating the part number. As soon as you have the part number, please contact your distributor of CONTEG products. Please note, that all RHF RACKS ARE DELIVERED FULLY ASSEMBLED and palletized!

FOLLOW THE STEPS TO SET UP DESIRED RHF RACKS PRODUCT CODE!

R

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1. HEIGHT

Code	Height in U	External height in mm
42	42	1988

2. WIDTH

Code	Width in mm
60	600
80	800

3. DEPTH

Code	Depth in mm	Useful depth in mm
100	1000	990

4. FRONT DOOR

Code	Options
0	Without door ¹
G	Glass door
S	Sheet steel door
P	Perforated sheet steel door ²
T	Glass door with side perforation ³
V	Vented door (perforation rate 71%) ²
W	Vented door (perforation rate 83%) ²
A	Vertically divided glass door ^{4*}
B	Vertically divided glass door with side perforation ^{6*}
C	Vertically divided sheet steel door ^{4*}
D	Vertically divided perforated sheet steel door ^{5*}
E	Vertically divided vented door (perf. rate 71%) ^{5*}
F	Vertically divided vented door (perf. rate 83%) ^{5*}
Other	

5. FRONT DOOR LOCK

Code	Options
A	Standard swivel handle, universal key
B	Standard swivel handle, universal key, multipoint
C	Standard swivel handle, keyed different
D	Standard swivel handle, keyed different, multipoint
E	Swivel handle with combination lock and universal key
F	Swivel handle with combination lock and universal key, multipoint
G	Swivel handle with combination lock, keyed different
H	Swivel handle with combination lock, keyed different, multipoint
I	Swivel handle with profile half cylinder, universal key
J	Swivel handle with profile half cylinder, universal key, multipoint
K	Swivel handle with profile half cylinder, keyed different
L	Swivel handle with profile half cylinder, keyed different, multipoint
Other	

6. REAR DOOR / PANEL

Code	Options
0	Without panel/door ¹
G	Glass door
S	Sheet steel door
P	Perforated sheet steel door ²
T	Glass door with side perforation ³
V	Vented door (air permeability 71%) ²
W	Vented door (air permeability 83%) ²
A	Vertically divided glass door ^{4*}
B	Vertically divided glass door with side perforation ^{6*}
C	Vertically divided sheet steel door ^{4*}
D	Vertically divided perforated sheet steel door ^{5*}
E	Vertically divided vented door (air perm. 71%) ^{5*}
F	Vertically divided vented door (air perm. 83%) ^{5*}
Y	Rear panel - single piece ⁷
R	Rear panel - divided, with cable entry ⁷
Z	Perforated rear panel - single piece ⁸
Other	

7. REAR DOOR / PANEL LOCK

Code	Options
A	Standard swivel handle, universal key
B	Standard swivel handle, universal key, multipoint
C	Standard swivel handle, keyed different
D	Standard swivel handle, keyed different, multipoint
E	Swivel handle with combination lock and universal key
F	Swivel handle with combination lock and universal key, multipoint
G	Swivel handle with combination lock, keyed different
H	Swivel handle with combination lock, keyed different, multipoint
I	Swivel handle with profile half cylinder, universal key
J	Swivel handle with profile half cylinder, universal key, multipoint
K	Swivel handle with profile half cylinder, keyed different
L	Swivel handle with profile half cylinder, keyed different, multipoint
U	Lock for rear panel, universal key
X	Lock for rear panel, keyed different
Other	

8. SIDE PANELS (BOTH SIDES) *

Code	Options
0	No side panels
A	2 side panels, sheet steel, universal key
B	1 side panel, sheet steel, universal key
C	2 side panels, sheet steel, keyed different
D	1 side panel, sheet steel, keyed different
E	2 side panels, sheet steel with perforation, universal key
F	1 side panel, sheet steel with perforation, universal key
G	2 side panels, sheet steel with perforation, keyed different
H	1 side panel, sheet steel with perforation, keyed different
Other	

9. IP RATING ¹

Code	Options
0	IP00
2	IP20
3	IP30
5	IP54
A	AC ready ²

10. PLATES

Code	Options
A	Top & bottom plates
B	Top plate only (open bottom)
C	Bottom plate only (open top)

11. LOAD RATING

Code	Load rate in kg	Explanation
F	1500	Standard balanced load

11. COLOR

Code	Explanation
B	RAL 7035 (light grey)
H	RAL 9005 (black)

An example of the correct product code

RHF-42-80/100-GASAA-5BF-B

¹ no IP protection
² IP20 max.
³ IP30 max.
⁴ multipoint lock only
⁵ multipoint lock only, IP20 max.
⁶ multipoint lock only, IP30 max.
⁷ these options apply for RHF 800 only

¹ no IP protection
² IP20 max.
³ IP30 max.
⁴ multipoint lock only
⁵ multipoint lock only, IP20 max.
⁶ multipoint lock only, IP30 max.
⁷ Lock code U or X only
⁸ Lock code U or X only, IP20 max.
^{*} these options apply for RHF 800 only

^{*} open side/sides results in no IP protection; side panels with perforation result in protection rating IP20max.

¹ According to EN 60529
² Ready for AC unit installation; recommended when cooling is planned or required; IP54 when AC unit installed according to instructions

Racks series RHF are compatible with all A/C and cooling systems from the portfolio Targeted Cooling with the exception of side cooling units in the implementation of closed architecture.

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