



Vertiv™ VE Rack



## Vertiv™ VE Rack

The Vertiv VE Rack is an innovative enclosure system that integrates your computing hardware, power management technologies and peripherals in data centers and computer rooms. It offers superior design and flexibility, allowing optimal data center performance and easy installation.

### FREE STANDING SERVER RACK

The Vertiv VE Series Rack provides cooling, power distribution, cable management, and environmental monitoring infrastructure for application in IT environment.

- Perforated doors for optimal front-to-rear air flow up to 75%
- Tool-less mounting slots for vertical PDUs
- Loading capacity of up to 1600 kgs

Vertiv VE rack is the ultimate solution designed and engineered for demanding data center environment.

To achieve optimum versatility within the server rack, users can set multiple depths throughout the rack by adjustable 19-inch mounting rails mounted on heavy duty side supports.

Horizontally divided side panels provide ease of access and convenient post-installation maintenance.

Over 75% perforations on front and rear door enable optimum air flow within the rack.

Flat-pack option enables savings up to 60% in the transport cost and warehouse space.



### Vertiv™ VE Rack Features:

- Strong and durable nine-folded solid frame profile which can hold a static load of up to 1,600 kg
- 75% open high perforated doors for optimal air flow
- Convenient tool-less installation of cable and air flow management
- Fast deployment leveling feet
- Heavy duty caster wheels for easy movement
- IP20 protection

### You need a rack ready to go

Get what you need, when you need it:

- Enclosure height of 42U and 48U
- Width of 600 mm or 800 mm and Depth of 1100/1200 mm
- Other dimensions available on request
- Side panels
- Air flow management
- Cable management options
- Mounting accessories
- Standard Color RAL 7021 (Optional Color RAL 7035)

*Other colours options, available on request*

### Excellent Rack Cooling Efficiency

- Optimal heat management with 75% perforation rate for both front and rear doors
- Optional blanking panels for air flow are available

### Enhanced Rack Installation Space Efficiency

- Solid steel frame with installation slots
- Rack static load capacity of 1,600 kg

### Enhanced Rack System Applicability In Data Centers

- Accessories available for cabling and air flow management
- Optional features for specific requirements in data centers available

### Increased Convenience In Installation And Maintenance

- Tool-less design for cable, air flow management, and PDU mounting for flexible and quick installation
- Low profile casters preconfigured for easy deployment and mobility
- Self-leveling feet for easy installation

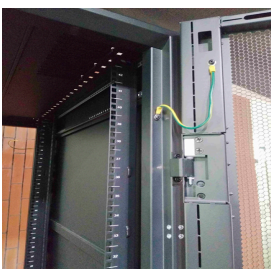
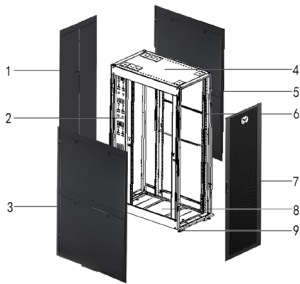
### Increased Rack Adaptability and Expansibility

- Integral part of the total data center solution of Vertiv
- Highly adaptable and flexible to integrate power, cooling, and monitoring equipment
- Containment solutions available
- Supports a variety of rackbased SmartAisle (cold aisle / hot aisle) solutions

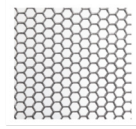
### STANDARD INCLUSIONS

- Single flat front mesh door
- Double flat rear mesh doors
- Roof top with cable entry plates
- 2 pairs of side panels, top and bottom
- 4 x (19") EIA-310 vertical mounting rails
- 4 fast deploying leveling feet and 4 casters
- 2 x Vertical PDU / cable management tray ready for dual PDU mounting
- All rack panels are inherently grounded
- 50 sets of captive M6 nuts and M6 screws
- 1 set of Integrated baying kit
- Open bottom area (optional cover)

## Vertiv™ VE Rack



### 1 75% Open Perforated Rear Doors



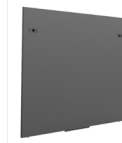
Split rear door with Honeycomb perforation provide optimal performance of air flow.

### 2 PDU / Cable Management Tray



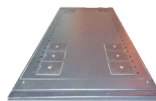
Allows flexible cabling in the rack for easy installation. Tool-less mounting of Rack PDU.

### 3 Side Panel



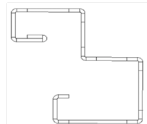
Side panel with latches and key lock. Split design (top & bottom) for easy handling and installations.

### 4 Top Cover



Roof top module ready for cable entry toolless installation of cover plate.

### 5 Frame



9-times folded frame that can hold up to 1,600 kg static load.

### 5 EIA310 19" Mounting Rails

Full depth adjustable EIA310 standard equipment mounting rails. The U markings are printed on both (front & rear) side on each EIA rails.

## 7 Front Door 75% Open Perforated Front Doors

Single front door with Honeycomb perforation provide optimal performance of air flow.



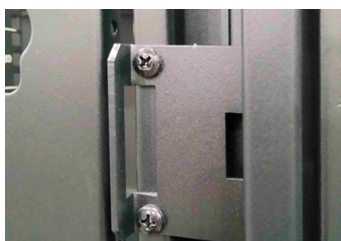
## 8 Bottom Panel (Optional)

3 pieces design, flexible to meet cable entry requirement. Selfgrounding to frame.



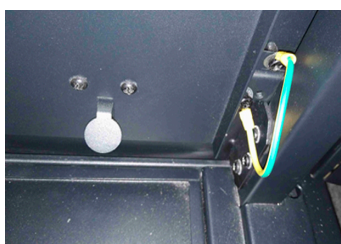
## 9 Castor & Leveling Feet

Heavy duty height adjustable leveling feet and casters provide 1,600 kg static load and 1,000 kg dynamic load.




## 10 Convient and Quick Baying



Intergated baying kit support baying of racks with side panels.









## 11 All rack panels and Doors are inherently grounded to Frame

## MODEL & PART NUMBERS




VERTIV™ VE RACK	PART NUMBER	
Vertiv VE rack- 42Ux600Wx1100D with Side Panels, Flat Pack (5 Cartons)	01230840	
Vertiv VE rack- 48Ux600Wx1100D with Side Panels, Flat Pack (5 Cartons)	01230841	
Vertiv VE rack- 42Ux600Wx1200D with Side Panels, Flat Pack (5 Cartons)	01230842	
Vertiv VE rack- 48Ux600Wx1200D with Side Panels, Flat Pack (5 Cartons)	01230843	
Vertiv VE rack - 42Ux800Wx1100D with Side Panels, Flat Pack (5 Cartons)	01230844	
Vertiv VE rack- 48Ux800Wx1100D with Side Panels, Flat Pack (5 Cartons)	01230845	
Vertiv VE rack- 42Ux800Wx1200D with Side Panels, Flat Pack (5 Cartons)	01230846	
Vertiv VE rack- 48Ux800Wx1200D with Side Panels, Flat Pack (5 Cartons)	01230847	
Vertiv VE rack- 42Ux600Wx1100D with Side Panels, Build up with Pallet	01230848	
Vertiv VE rack- 48Ux600Wx1100D with Side Panels, Build up with Pallet	01230849	
Vertiv VE rack- 42Ux600Wx1200D with Side Panels, Build up with Pallet	01230850	
Vertiv VE rack- 48Ux600Wx1200D with Side Panels, Build up with Pallet	01230851	
Vertiv VE rack - 42Ux800Wx1100D with Side Panels, Build up with Pallet	01230852	
Vertiv VE rack- 48Ux800Wx1100D with Side Panels, Build up with Pallet	01230853	
Vertiv VE rack- 42Ux800Wx1200D with Side Panels, Build up with Pallet	01230854	
Vertiv VE rack- 48Ux800Wx1200D with Side Panels, Build up with Pallet	01230855	

VERTIV VE RACK ACCESSORIES	PART NUMBER	
<b>SHELF</b>		
19" Rack mount Fixed Shelf, depth 650 mm, color: RAL7021, Load capacity: 90 kg	01230856	
19" Rack mount Fixed Shelf, depth 750 mm, color: RAL7021, Load capacity: 90 kg	01230857	
19" Rack mount Fixed Shelf, Heavy Duty, depth 650 mm, color: RAL7021, Load capacity: 180 kg	01230858	
19" Rack mount Fixed Shelf, Heavy Duty, depth 750 mm, color: RAL7021, Load capacity: 180 kg	01230855	
19" Rack mount Sliding Shelf, depth 550 mm, color: RAL7021, Load capacity: 90 kg	01230860	
19" Rack mount Sliding Shelf, depth 650 mm, color: RAL7021, Load capacity: 90 kg	01230861	
19" Rack mount Sliding Shelf, depth 750 mm, color: RAL7021, Load capacity: 90 kg	01230862	



<b>HORIZONTAL CABLE MANAGEMENT</b>		
1U-horizontal metal cable manager, 19" Rack mount, Color: RAL7021	01230863	
2U-horizontal metal cable manager, 19" Rack mount, Color: RAL7021	01230864	
1U-Plastic Cable Manager, 19" Rack mount, Color: RAL7021	01230865	
2U-Plastic Cable Manager, 19" Rack mount, Color: RAL7021	01230866	
1U-Plastic Horizontal Cable Ring, 19" Rack mount, Color: RAL7021	01230867	
2U-Plastic Horizontal Cable Ring, 19" Rack mount, Color: RAL7021	01230868	
1U-Metal Horizontal Cable Ring, 19" Rack mount, Color: RAL7021	01230869	
2U-Metal Horizontal Cable Ring, 19" Rack mount, Color: RAL7021	01230870	
1U-High-density Cable manager with 4" (92 mm) plastic fingers and cover	01230871	
2U-High-density Cable manager with 4" (92 mm) plastic fingers and cover	01230872	
1U-High-density Cable manager with 6" (149 mm) plastic fingers and cover	01230873	
2U-High-density Cable manager with 6" (149 mm) plastic fingers and cover	01230874	

VERTIV™ VE RACK ACCESSORIES	PART NUMBER	
3U-High-density Cable manager with 6" (149 mm) plastic fingers and cover	01230875	
1U-Single Side Plastic Cable Manager, with cover, 19" Rack mount, RAL7021	01230876	
2U-Single Side Plastic Cable Manager, with cover, 19" Rack mount, RAL7021	01230877	



#### VERTICAL CABLE MANAGEMENT

1U-Plastic Vertical Cable Ring,Color: RAL7021	01230878	
2U-Plastic Vertical Cable Ring,Color: RAL7021	01230879	
1U-Plastic Vertical Cable manager,Color: RAL7021	01230880	
2U-Plastic Vertical Cable manager,Color: RAL7021	01230881	
42U Vertical Cable Manager with plastic fingers & cover,Color: RAL7021	01230882	
48U Vertical Cable Manager with plastic fingers & cover,Color: RAL7021	01230883	


#### RACK TOP CABLE PARTITION PANEL

600 mm W power shielding Trough, Color: RAL7021	01230884	
800 mm W power shielding Trough, Color: RAL7021	01230885	
600 mm W data shielding partition, set of 2 pieces, Color: RAL7021	01230886	
800 mm W data shielding partition, set of 2 pcs, Color: RAL7021	01230887	

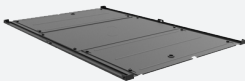
#### TOP MOUNT FAN TRAY

Top Mount Fan Tray with 4 fans,mount on top panel, Color: RAL7021	01230888	
Top Mount Fan Tray with 6 fans, mount on top panel, Color: RAL7021	01230889	
Fan Top Cover for Vertiv VE rack, 600*1100, Color: RAL7021	01230890	
Fan Top Cover for Vertiv VE rack, 600*1200, Color: RAL7021	01230891	
Fan Top Cover for Vertiv VE rack, 800*1100, Color: RAL7021	01230892	
Fan Top Cover for Vertiv VE rack, 800*1200, Color: RAL7021	01230893	

#### VERTICAL PDU / CABLE MANAGEMENT TRAY

42U Vertical PDU / Cable Management Tray, Width 143 mm, set of 2 pcs	01230894	
48U Vertical PDU / Cable Management Tray, Width 143 mm, set of 2 pcs	01230895	

#### BOTTOM PANEL

Bottom plate for Vertiv VE rack, 600*1100, Color: RAL7021	01230896	
Bottom plate for Vertiv VE rack, 600*1200, Color: RAL7021	01230897	
Bottom plate for Vertiv VE rack, 800*1100, Color: RAL7021	01230898	
Bottom plate for Vertiv VE rack, 800*1200, Color: RAL7021	01230899	

# VERTIV™ VE RACK

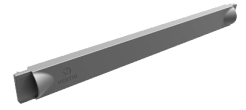
## VERTIV™ VE RACK ACCESSORIES

## PART NUMBER

### AIR FLOW MANAGEMENT PANEL

1U-Toolless Mounting Plastic Blank Panel

01230900



1U-Toolless Mounting Metal Blank Panel, Color: RAL7021

01230914

2U-Toolless Mounting Metal Blank Panel, Color: RAL7021

01230915

3U-Toolless Mounting Metal Blank Panel, Color: RAL7021

01230916

4U-Toolless Mounting Metal Blank Panel, Color: RAL7021

01230917



5U-Toolless Mounting Metal Blank Panel, Color: RAL7021

01230918

1U Metal Blank Panel, Color: RAL7021

01230919

2U Metal Blank Panel, Color: RAL7021

01230920

3U Metal Blank Panel, Color: RAL7021

01230921

4U Metal Blank Panel, Color: RAL7021

01230922



5U Metal Blank Panel, Color: RAL7021

01230923

20U Metal Blank Panel, Color: RAL7021

01230924

### BRUSH PANEL

1U-Toolless Mounting Plastic Blank Panel

01230925



1U Brush Panel, Color: RAL7021, 19" rack mount

01230926



Bottom brush panel for 600 mm wide cabinet, Color: RAL7021

01230927

Bottom brush panel for 800 mm wide cabinet, Color: RAL7021

01230928



Brush Panel for width 600mm Top Panel, 2 pcs brush panel for opening (66.2 x 100)mm + 2 pcs brush panel for opening (240.3 x 100)mm, total 4 pcs brush panel. Color: RAL7021.

01230929

Brush Panel or width 800mm Top Panel, 2 pcs brush panel for opening (66.2 x 100)mm + 3 pcs brush panel for opening (240.3 x 100)mm, total 5 pcs brush panel. Color: RAL7021.

01230930

### BASE PLINTH

Rack Plinth, 600\*1100\*250 mm, Color: RAL7021

01230931

Rack Plinth, 800\*1100\*250 mm, Color: RAL7021

01230932

Rack Plinth, 600\*1200\*250 mm, Color: RAL7021

01230933

Rack Plinth, 800\*1200\*250 mm, Color: RAL7021

01230934



### OTHER ACCESSORIES

19" Rack mount Grounding Kit, silver plated, 20 holes with 20 #12-24x1/2 "six angle screws for flexible mounting; hole distance of 5/8, that is 15.9 mm

01230935



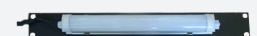
Cable ladder, 300 mm wide and suitable for 1200 mm wide aisle containment, Color: RAL7021 01230936

01230936



1U Lighting Panel, Color: RAL7021

01230937



Cage Nuts Package, 50 sets of pan cross Screw (M6x12), Washer and Caged Nut

01230938





## Vertiv™ VE Rack – Certifications & Regulatory Approvals



Safety Standard	EN 60950-1:2006+A11:2009+A1:2010+A12:2011+A2:2013
EMC Standard	EN 55032:2012 EN 55024:2010, EN61000-3-2:2014 EN61000-3-3:2013

### RoHS requirements

Environment Test	GB/T 24211-2008 / IEC60068-1:2013
Climatic Test	GB/T 2423.1-2008 / IEC60068-2-1:2007 GB/T 2423.2-2008 / IEC60068-2-2:2007 GB/T 2423.3-2016 / IEC60068-2-78:2012
Random Vibration Test	GB/T2423.56-2006 / IEC60068-2-64:2008
Storage Temp, °C (°F)	-15 to 40 (5 to 104)
Drop Test	GB/T2423.8-1995 / IEC60068-2-31:2008
Tip and Tip Over Test	ASTM D6179-2007
Static Load Test (1600 kg)	YD/T 2319-2011 / YD/T 1819-2016

