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## VX 5325.121

## Network/server rack VX IT

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# VX 5325.121 - Network/server rack VX IT with glazed door, with 482.6 mm (19") mounting angles, standard

VX IT network/server enclosure, closed, for direct climate control tailored to the specific enclosure. 482.6 mm (19") interior installation with depth-variable 482.6 mm (19") mounting angles in the standard version, available in a range of size variants.



## Features

|                |   |
|----------------|---|
| Model No.      | VX 5325.121   |
| Material       | Sheet steel<br>Aluminium<br>Glazed door: Single-pane safety glass, 3 mm   |
| Surface finish | Enclosure frame: Dipcoat-primed<br>Interior installation: Spray-finished<br>Rear door and roof: Dipcoat-primed, powder-coated<br>Front door: Aluminium, anodised/spray-finished                     |
| General colour | RAL 7035  |
| Colour         | Enclosure frame, rear door and roof: RAL 7035<br>Front door: Vertical sections, silver coloured and horizontal sections, RAL 9005<br>Interior installation: RAL 9005<br>Handle and hinges: RAL 9005 |

# Features

|   |  |
|---|--|
| Supply includes   | <p>VX enclosure frame with doors and roof plate</p> <p>Glazed aluminium door at the front, 180° hinges</p> <p>Lock front and rear: Comfort handle for profile half-cylinders and security lock 3524 E</p> <p>Mounting angles, 482.6 mm (19")</p> <p>Spacers, height 50 mm, to raise a cover plate above the fan cut-out in the roof plate, for passive cooling (supplied loose). Not required for variants without a cut-out.</p> <p>12 x 482.6 mm (19") fastener, 1 U, conductive (supplied loose)</p> <p>25 multi-tooth screws, conductive (supplied loose)</p> <p>IPPC pallet</p> <p>Roof plate, multi-piece, with horizontal cable entry at the rear and prepared for fan mounting plate</p> <p>Sheet steel rear door, solid, one-piece, 130° hinges</p> |
| Dimensions  | <p>Width: 600 mm</p> <p>Height: 800 mm</p> <p>Depth: 600 mm</p>  |
| Units   | 15 U   |
| Free mounting space to the 482.6 mm (19") level, front/rear | 87 mm / 435 mm   |
| Mounting position of the 482.6 mm (19") level               | front  |
| 482.6 mm (19") attachment                                   | with mounting bracket screw-fastened to the frame at the top and bottom  |
| Design  | Standard   |
| Roof design   | multi-piece, with horizontal cable entry at the rear and prepared for fan mounting plate   |
| Rear door design  | Sheet steel door, solid, one-piece, 130° hinges  |
| Front door design   | Glazed aluminium door, solid, one-piece, 180° hinges   |
| Mounting angle design                                       | 482.6 mm (19") mounting angles, standard in the VX IT  |
| Base design   | Open   |
| 482.6 mm (19") level(s) version                             | front  |
| Mounting angles position                                    | 482.6 mm (19") level, front  |
| Load capacity   | 7,500 N  |

# Features

|  |  |
|--|--|
| Max. load capacity (static) per enclosure to UL 2416 | 6,000 N  |
| IK Code  | IK08   |
| Note   | Depending on how and where it is sited, the door opening angle may vary for selected applications              |
| Basic material                                       | Sheet steel  |
| Packs of   | 1 pc(s).   |
| Net weight   | 40   |
| Gross weight   | 42   |
| PCF per pack (cradle-to-gate)                        | 103.5 kg CO2 eq (Cat B)  |
| Note on PCF category                                 | Category B: PCF value (cradle-to-gate) based on the product weight, approximately calculated and self-declared |
| EAN  | 4028177945418  |
| ETIM 9   | EC002499   |
| ECLASS 8.0   | 27180207   |

# Approvals

|              |   |
|--------------|---|
| Approvals    | UL + C-UL (listed)  |
| Certificates | Negative Certificate<br>Surface finish  |
| Explanations | Manufacturer's declaration<br>Declaration of conformity<br>Declaration of conformity UK |

# Tender text

VX IT network, server and electronics enclosure, "standard" variant, IT rack, installation height 15 U, glazed door at the front, one-piece, solid sheet steel door at the rear.

Rack frame:

Pre-configured IT rack, comprising a torsionally rigid, welded and full symmetrical frame of rolled, 9-fold closed hollow profile, with punching in a 25 mm pitch pattern.

Frame with integrated M6 blind rivet nuts, to enable fittings to be mounted without impairing the degree of protection. All profile edges are chamfered. Horizontal sections with integrated channel above the PU foam seal as protection for the seal.

Same profile on all sides, with two mounting levels accessible from inside and outside, for fast and space-saving interior installation.

Square holes on all sides to enable the use of cage nuts and metric screws up to M8.

Base:

Welded base frame with integrated reinforcement to enable direct bolting to the floor from inside the enclosure. Open base frame, without gland plates, for optional individual configuration with base modules from the range of accessories.

Bolting possible on all sides. Static load capacity up to 7,500 N, and up to 6,000 N acc. to UL 2416.

Front and rear door:

Glazed aluminium front door (IP 55) with 3 mm single-pane safety glass (ESG) held in a frame of aluminium sections, vertical sections silver-grey anodised, horizontal sections painted, RAL 9005.

Door with foamed-in seal, three hinges and four-point locking rod.

Door hinge can be swapped from right to left, hinge pins with integrated door opening angle 240° for stand-alone enclosures, 105° with bolting.

One-piece, solid sheet steel rear door (IP 55), foamed-in PU seal.

Rear door with removable tubular door frame with integrated punching in a 25 mm pitch pattern and integrated hammer-head cut-outs for cable clamping, with four hinges and four-point locking rod.

Door hinge can be swapped from right to left, hinge pins with integrated door opening angle 240° for stand-alone enclosures, 134° with bolting.

Bolting hinges with 180° opening angle for front and rear doors available separately via the range of accessories.

Both doors with comfort handle for semi-cylinder (30/10) mm, with security lock 3524 E.

#### Roof plate:

Multi-part roof plate with cable entry via brush strips across the rear  
The multi-part design permits removal of the roof plate with the cablin in place, which greatly simplifies later retrofitting or modification.

#### Mounting levels:

Enclosure pre-configured with one 482.6 mm (19") mounting level at the front.

The total static load capacity when using only one mounting level is 7,500 N. This capacity can be increased by realising additional measures to distribute the load, e.g. slide rails. If the configuration is expanded with a second mounting level, the load capacity per rack can be increased to up to 15,000 N.

Expansion accessories and further components to enable configuration with a second mounting level, such as slide rails etc., are offered via the range of accessories.

Dynamic load capacity (moving on transport module) up to 5,000 N.

Mounting level comprising universal mounting angles for server, network and electronics applications, front and rear, depth variable, 12.5 mm pitch pattern, screw-fastened to the enclosure frame via mounting brackets at top and bottom.

Mounting angles at front, material thickness 2.0 mm, with additional pitch pattern in accordance with the standard EIA 310 E. All height units are marked on the mounting angles and numbered in opposite directions.

Front mounting angles prepared for tool-free mounting of cable routing aids and organisation of structured cabling with maximum packing density.

#### Supply includes:

Practice-proven mounting accessories, such as spacers for optional raising of the cover plate, fixing accessories for 19" components comprising twelve 19" fasteners, 1 U, contacting, and 25 hexagon socket screws, conductive, with washers for thread size M5.

#### Potential equalisation:

All panel parts with automatic potential equalisation or prepared for the attachment of earthing straps.

482.6 mm (19") assembly parts are supplied loose.

A potential equalisation kit is available as an accessory.

#### Side panels:

Side panels are not included in the scope of supply.

One-part screw-fastened variant (IP 55) available via the range of accessories.

#### QR code:

Printed QR codes on all panel parts, the roof, doors and rating plate provide for the unambiguous marking of individual components, simplify access to relevant product information and documentation, and ensure the full traceability of single parts.

**Material:**

Enclosure frame, roof: Sheet steel 1.5 mm

Rear door: Sheet steel 2.0 mm

Front door: Aluminium 1.5 mm, single-pane safety glass (ESG) 3.0 mm

482.6 mm (19") mounting angles: Sheet steel 2.0 mm

Surface finish (sheet steel):

Triple surface treatment for corrosion protection and resistance to mineral oil, lubricants, machining emulsions and solvents:

Nanoceramic coating, electrophoretic dipcoat priming, textured powder coating in RAL 7035/9005.

**Protection classes:**

Protection category according to IEC 60 529 (with mounted side panels or in a bayed suite with seals):

IP 00

Protection category according to NEMA (with mounted side panels or in a bayed suite with seals):

TYPE 12

**Surface finish:**

Panel parts, doors, interior installation, painted in RAL 7035/9005

Aluminium front door, vertical, aluminium, silver-grey anodised

Aluminium front door, horizontal, aluminium, painted in RAL 9005

**Approvals:**

UL2416 NITW (NFPA70, NFPA75)

IEC/EN 60950 (CB Certificate and Report)

IEC/EN 62368 (CB Certificate and Report)

Dimensions (WHD): 600x800x600 mm

Earthing measures in accordance with the risk assessment according to DIN EN 62368-1 are not required for VX IT cabinets, therefore an earthing accessory is not included in the scope of delivery. For increased EMC requirements a potential equalization set can be purchased via the accessories programme. (5302.027 and 5302.028)

Model No: VX IT 5325.121

Manufacturer: Rittal GmbH & Co. KG