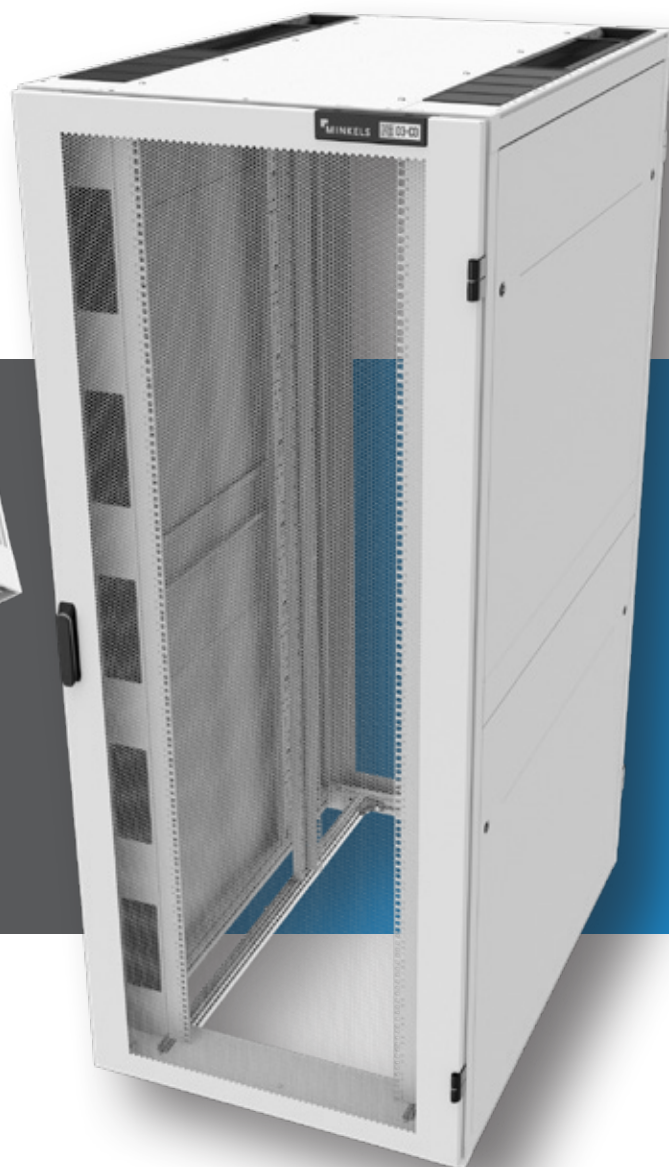
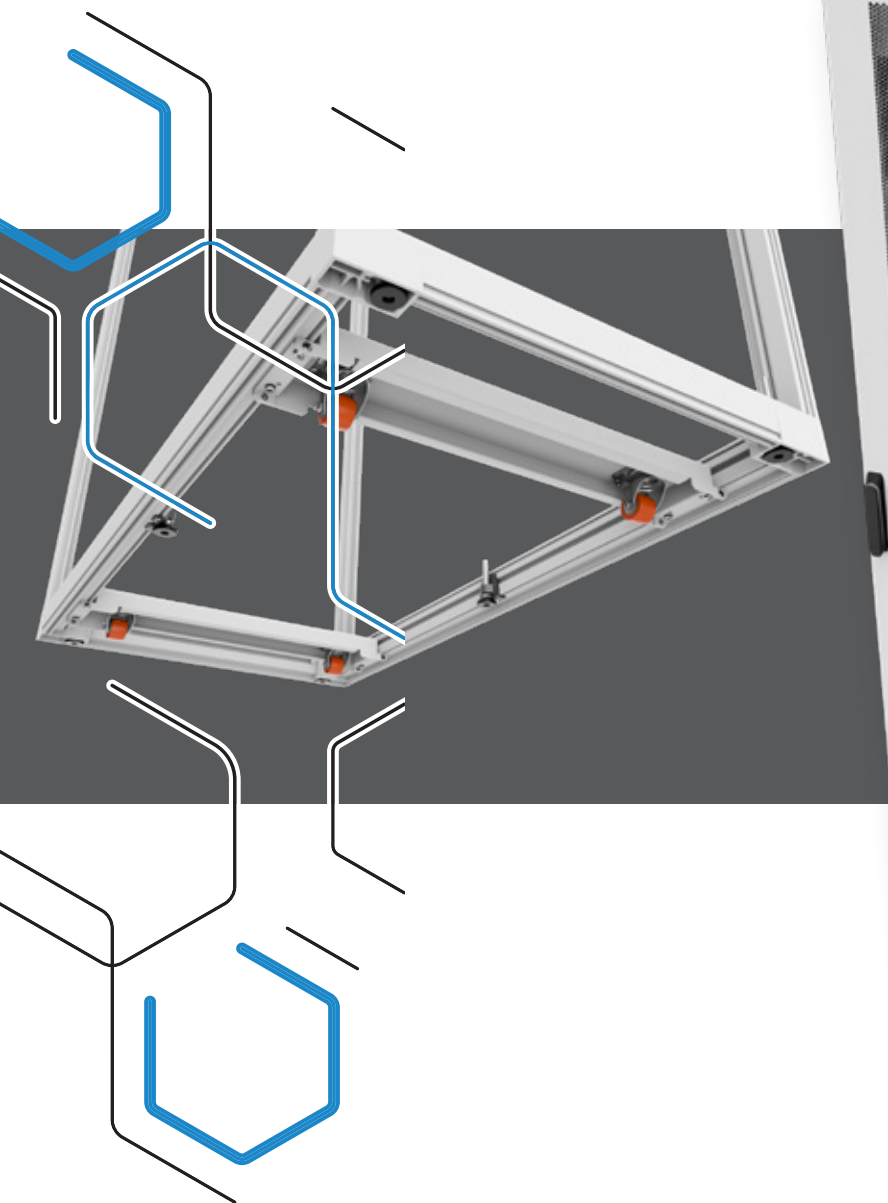


# NEXPAND

TECHNICAL DATA SHEET  
SERVER CABINET WITH CASTORS  
AND PDU CABLE TRAY



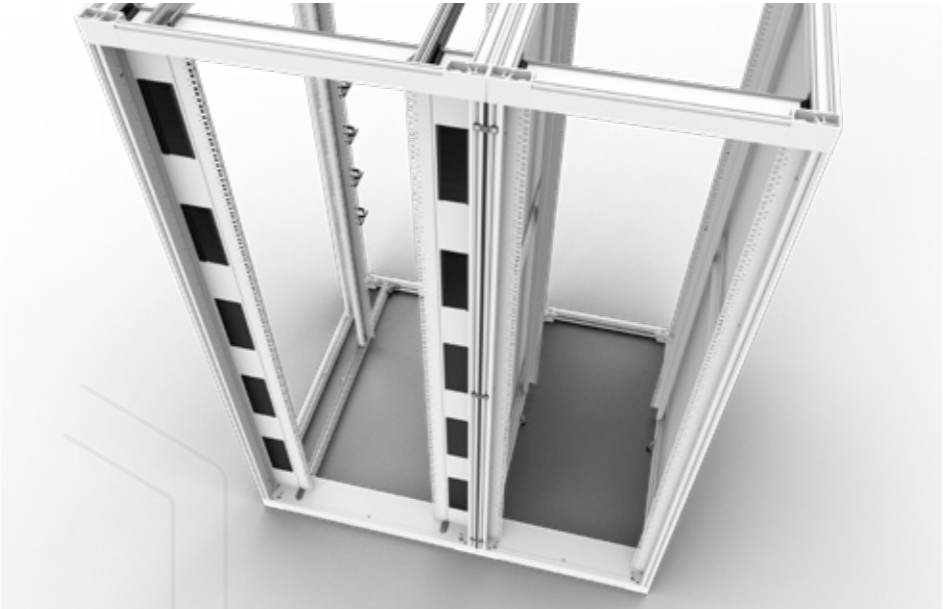


# NEXPAND

## SERVER CABINETS WITH CASTORS AND PDU CABLE TRAY

The **Nexpand server cabinets with castors and PDU cable tray** are perfectly suited for the installation of (blade) servers, switches, patch panels, routers and storage equipment. The cabinets are used to bring together IT equipment and the corresponding cables neatly in one place. The server cabinets have everything to facilitate this in the best energy efficient and modular way. On top of this, this range of cabinets is equipped with transport castors for ease of manoeuvrability of the cabinets in the white space. The cabinets are widely applicable and modular in structure. What type of cabinet is most suitable depends highly on its application. The server cabinets can be configured in varying heights, widths and depths.

SPECIFICATIONS		
Dimensions:		
Height	U	42, 47 or 52
Height	mm	2000, 2200 or 2450 mm
Width	mm	600 or 800
Depth	mm	1000 or 1200
General:		
Colour		RAL 9003 (white) / RAL 9005 (black)
Static load capacity	kg	1500
Dynamic load capacity	kg	Castors can bear 400 kg of load
Earthing		Fully earthed with central earthing point
IP grade		IP20
Standards compliancy		IEC-60297-3-109; IEC-60297-3-100 IEC-61587-1; Environmental: C1, A1; Static load LT1, ST1, NL5;
Interior:		
19-inch profiles	pcs	4 • steel, powder coated
Adjustability (depth)		Stepless adjustability with depth marking
Adjustability (width)		Stepless adjustability
U marking		1st U at bottom
Position, front profiles		Pre-mounted 80 mm from the front of the door
Position, rear profiles		Pre-mounted at 740mm pitch
Accessories		PDU cable tray included
Frame:		
Material		Aluminium extrusions
Finishing		Powder coated
Castors		Included - frame to ground clearance ~22 mm
Leveling feet		Included
Front/rear closure:		
Front door		80% perforated <u>single</u> front door
Rear door		80% perforated <u>double</u> rear door
Security		2-Points Fix-Easy swivel handle with an EK-333 cylinder lock / blind stop
Material		Steel
Finishing		Powder coated
Hinges		Easily reversable and fast placement • Max. rotation degree 260°
Left/right closure:		
Material		Aluminium extrusions
Finishing		Powder coated
Roof:		
Modularity		Modular inserts per 100 mm
Inserts:		Cover panels, cable entry guides and brushes
Cover panels		Possibility to 'break' 1x 200 mm to 2x 100 mm • Material: ABS • Flammability: UL 94 V-0
Cable entry guides		Material: ABS • Flammability: UL 94 V-0



The **Nexpand server cabinets** are available in various types. **A standard version, a version with side panels, airflow package and /or PDU cable tray.**

### SIDE PANEL

A side panel is especially used for end-of-row applications to aesthetically cover the side of the cabinet. The panel is horizontally divided for easy handling. Side panels are equipped with quarter turn locks.

### AIRFLOW MANAGEMENT

Airflow management is the efficient guidance of the various airflows in data centers to keep the cold and hot air separated optimally. To optimize that cooling process, air leakage and recirculation must be minimized by using an airflow management package. Airflow management packages consist of a plate on the bottom, top, left and right. The airflow management package enables an air tight adjustability in the depth direction of 150 mm.

### PDU CABLE TRAY

Structured cabling is important for the reliability and optimum performance of your data center. The cable tray is used for vertical cable management and is steplessly adjustable in depth direction. This cable tray is also equipped with keyhole slots to be able to quickly install PDUs on the tray without the use of tools. Cables can be attached to the tray using tie-wraps and/or Velcro.



Sealing cabinet-to-cabinet (front)



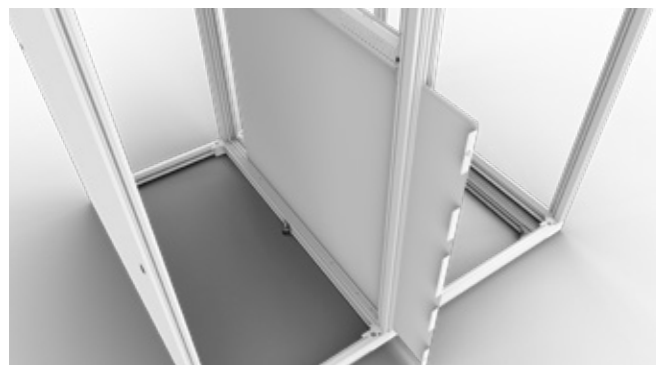
# NEXPAND

## SERVER CABINETS

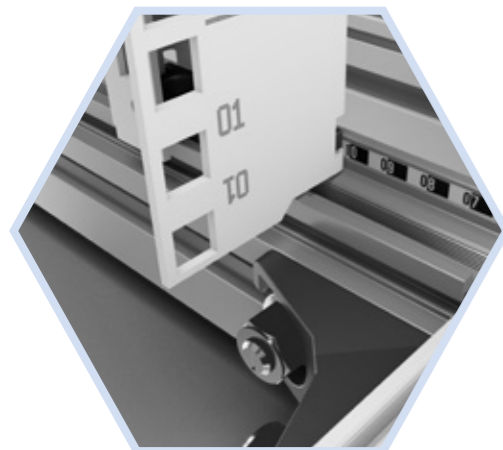
### General features

#### FRAME

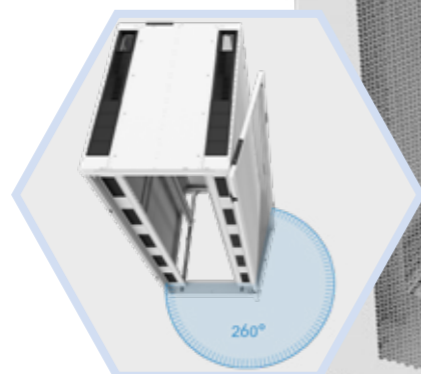
- Light and solid aluminium frame with the capability to handle 1500 kg of static load.
- Offers unique flexibility through stepless mounting possibilities in all three dimensions of the cabinet.
- Threaded mounting rails in width, depth and height direction enable stepless adjustability (for example cable management).
- Integrated T-slots provide stepless adjustability in depth and width direction (for example vertical mounting rail adjustment).
- Nearly all accessories and components accessible from inside of the cabinet.
- The cabinet is ready for placement of slide-in-side panels. This feature provides separation of cabinets, even after the cabinets are already installed and bayed.
- Upgrade the energy efficiency by adding an airflow package in a later stage is possible.



Slide-in side panel ready (rear)



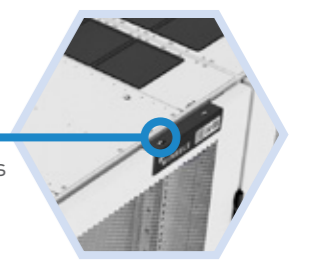
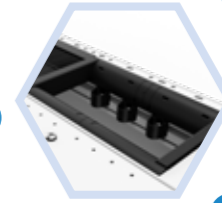
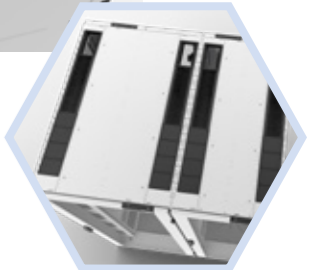
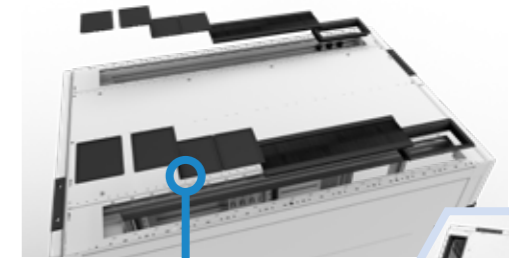
Depth marking placed on depth profiles  
Stepless adjustability in depth direction



260°

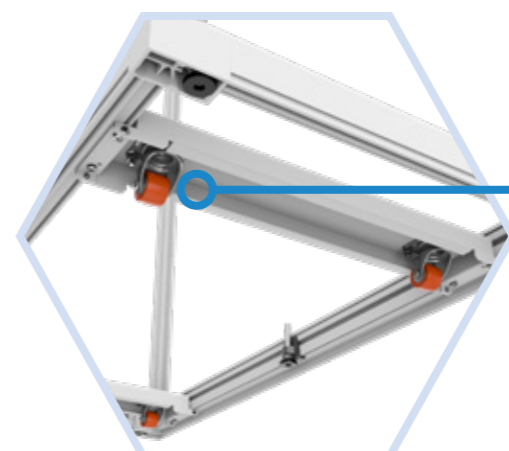
#### ROOF

- Solid platform for installation top of cabinet infrastructure.
- Roof inserts follow a multiple of 100 mm.
- Nearly full-depth cut-out.
- Optimal accessibility for cabling.
- Optimal positioning for PDU's.
  - Up to 32A plugs shall fit.
- Cable pull relief available.
- Cable dividers on top of cabinet follow the same modularity as the inserts.
  - Extendable per cabinet to create a cable duct system.
  - Cover plates and end covers available for dust/debris protection and airtight solutions.
  - Powder coated in same color as cabinet.
- Roof is compliant with hot/cold aisle containment.



#### DOOR

- Predefined position for identification.
  - Place serial numbers, barcodes or QR codes to code and personalize your cabinets.
- Clean and minimalistic design.
- Easy door installation.
- High level perforation.
- Full integration of the locking mechanism and cabling (in case of smart lock).
- High level access security.
- Support of different types of locking possible.
- Replacement of locking through detachable cover plate rear.
- Door easily reversible (left/right hinged).
- Door can open 165° in case of bayed cabinets.
- Door can open 260° in case of stand-alone cabinets.



Transport castors

#### CASTORS

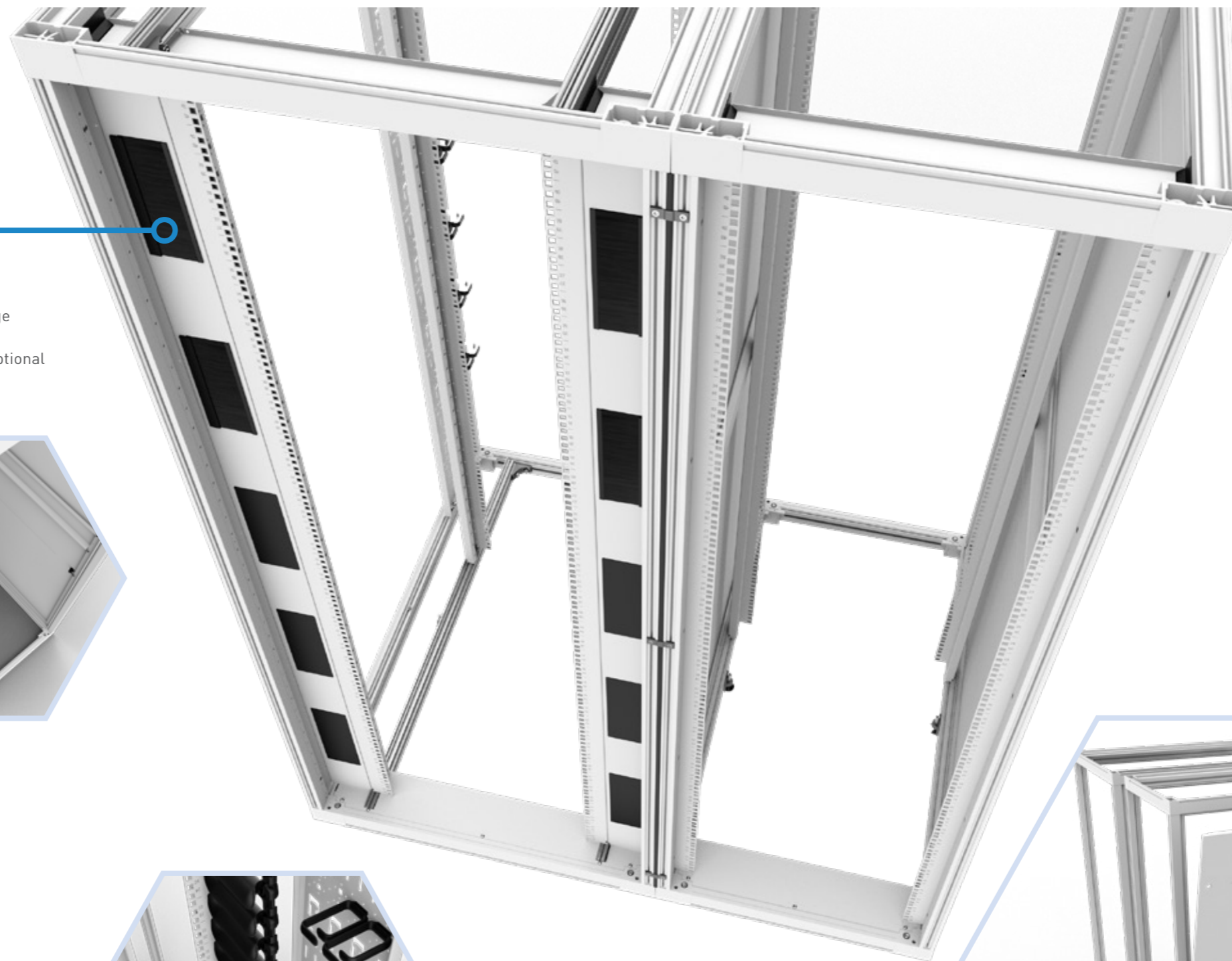
- 4 transport castors installed.
- Available for 600 & 800 wide cabinets.
- Load capacity during transport of the rack in the white space : 400 kg.
- Optimal floor to ground space which can be sealed using seal plinth.
- Seal plinth can also be used to perfectly align the cabinet to the tile grid.

# NEXPAND

## SERVER CABINETS Unique features

### SERVER CABINETS WITH AIRFLOW MANAGEMENT PACKAGE

- Best in class air tightness
- Keep flexibility in adjusting vertical mounting rails without compromising on air tightness.
- Upgrade the energy efficiency by retrofitting an airflow package
- Sealing cabinet-to-cabinet is optional
- Sealing cabinet-to-floor and cabinet-to-aisle containment is optional



### SERVER CABINETS WITH PDU CABLE TRAY

- Stepless adjustability in depth direction
- Multifunctional cable tray to organise your cabling
  - using tie-wraps and/or Velcro
  - 1U plastic cable ring, toolless mount
- Equipped with keyhole slots to be able to quickly install PDUs on the tray without the use of tools.



### SERVER CABINETS WITH SIDE PANEL

- Side panels are used when stand-alone is preferred or when the cabinet is placed at the end of the row
- Earthing connection is established when locking the panels
- Horizontally divided panels for easy handling

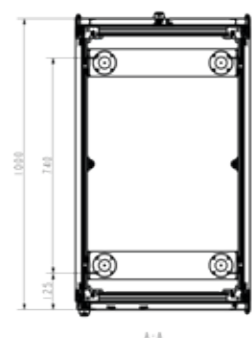


# NEXPAND

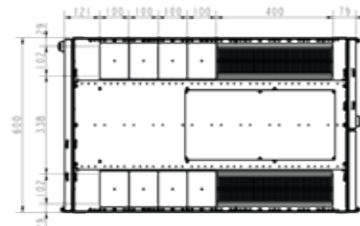
## SERVER CABINET WITH CASTORS 600 X 1000 MM

This type of cabinet is also available with side panels and airflow management package.

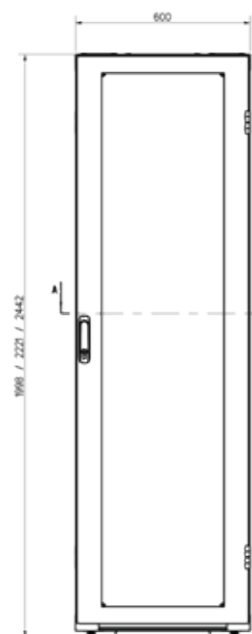
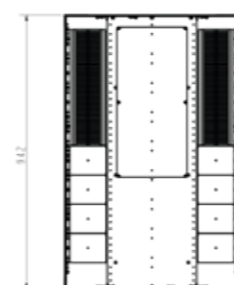
Position vertical mounting rail



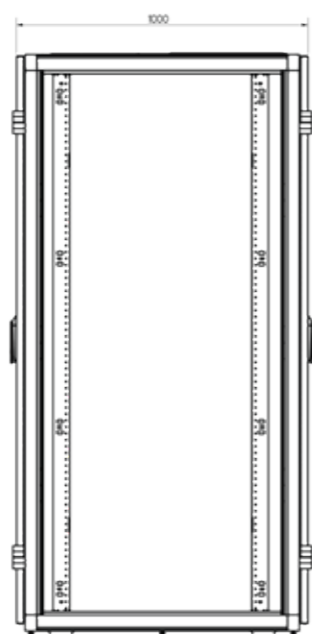
Top view



Top view



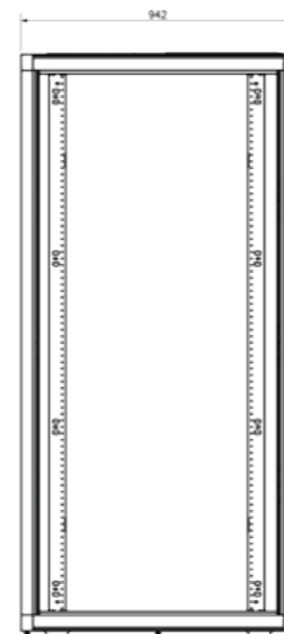
Total height



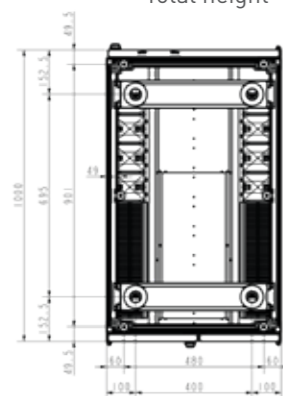
Side view with door



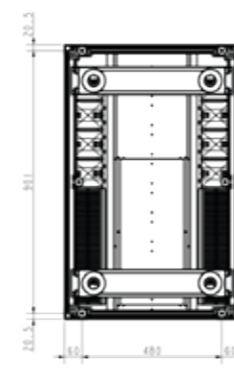
Front view



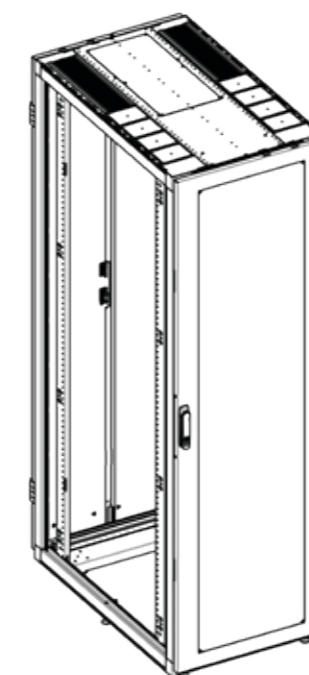
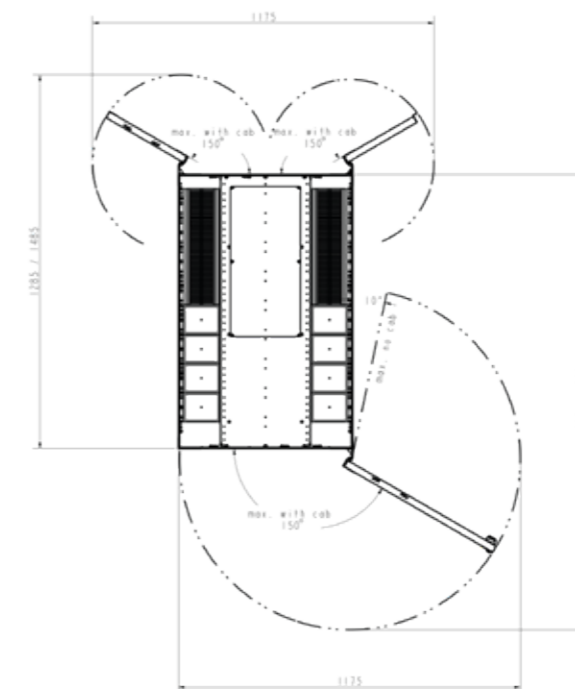
Side view without door



Bottom view



Bottom view

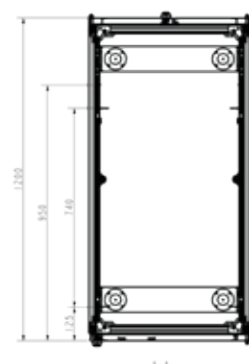


# NEXPAND

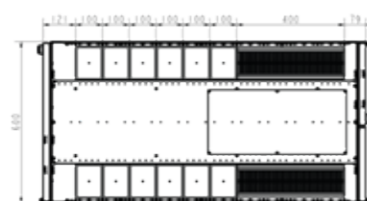
SERVER CABINET WITH CASTORS AND PDU CABLE TRAY  
600 X 1200 MM

This type of cabinet is also available with side panels and airflow management package.

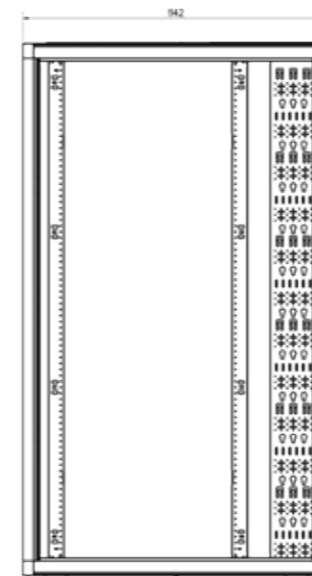
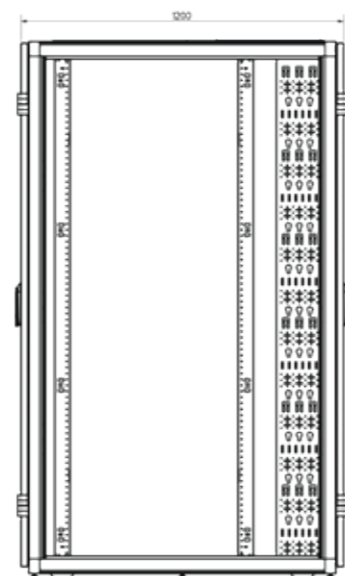
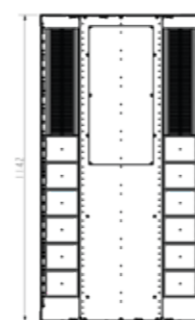
Position vertical mounting rail



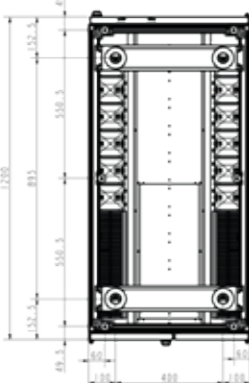
Top view



Top view

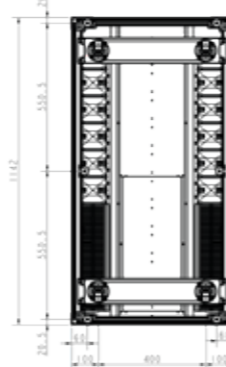


Total height



Side view with door

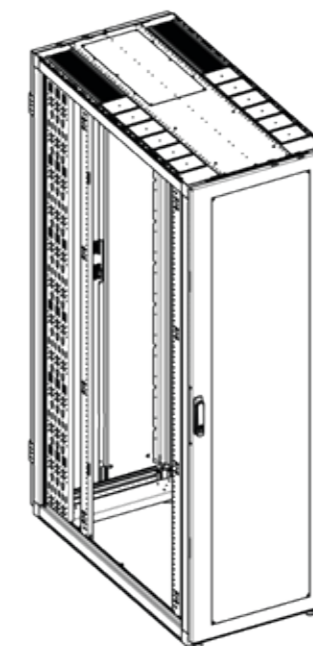
Front view



Side view without door

Bottom view

Bottom view



SERVER CABINET WITH CASTORS AND PDU CABLE TRAY  
800 X 1000/1200 MM

**This type of cabinet is also available with side panels and airflow management package.**

Technical drawing of a rectangular frame. The top edge is labeled "1000 / 1200". The right side features a vertical column of decorative patterns, including solid black squares, squares with internal crosshairs, and squares with horizontal or vertical lines. The left and bottom edges are simple lines, while the top edge has a small notch on the left side.

800

Fixing centre 465.1 39.1

Usable space 450

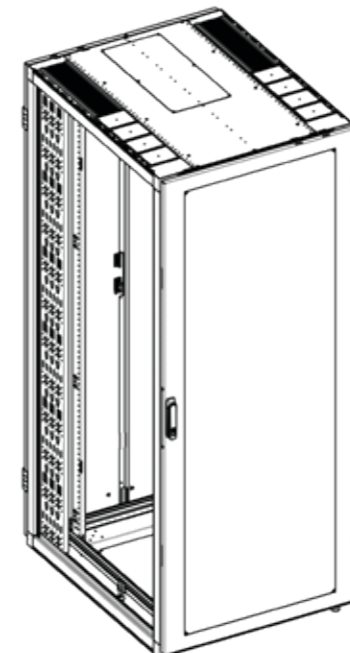
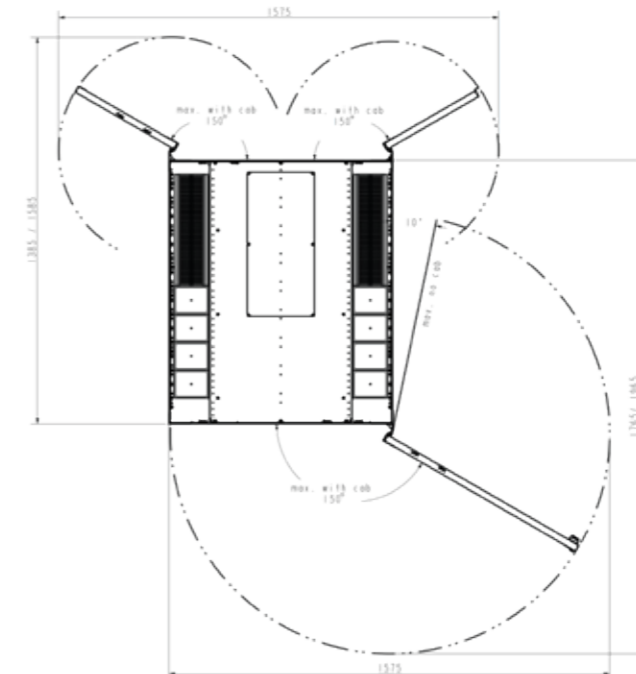
1000 / 2220 / 2442

Depth 420 / 470 / 520

942 / 942

Technical drawing of the top view of a square table. The overall dimensions are 1000 mm by 1000 mm. The inner square frame has a side length of 495 mm. The table has a thick, dark frame with decorative elements. Dimensions for the frame and inner table are provided.

Technical drawing of the floor plan of the 'Kamari' room. The drawing shows a rectangular room with a central area and a surrounding border. Dimensions are provided in meters (m). The overall width is 6.81 m, and the overall height is 9.51 m. The central area has a width of 6.81 m and a height of 6.81 m. The border has a width of 0.5 m and a height of 0.5 m. The drawing also shows architectural details such as doors, windows, and a central area with a grid of dots.





## FOLLOW US ON



[minkels.com](http://minkels.com)



[youtube.com/c/minkelshq](https://youtube.com/c/minkelshq)



[twitter.com/minkels\\_hq](https://twitter.com/minkels_hq)



[facebook.com/minkels](https://facebook.com/minkels)



[linkedin.com/company/minkels](https://linkedin.com/company/minkels)



### MINKELS HEADQUARTERS & INTERNATIONAL

Eisenhowerweg 12

P.O. Box 28

5460 AA Veghel

t. +31 (0)413 311 100

[info@minkels.com](mailto:info@minkels.com)