

KabinPLUS



**GENERAL CATALOG
2024-1**

About Us

EAE Group



Since 1973

EAE Group of Companies has started its journey in the electricity sector with EAE Elektrik, which has founded in 1973.



5 factories

EAE Group has a total of five factories in Istanbul and Kocaeli.



Export to more than 100 countries

EAE Group also has distributors and authorized dealers in more than 100 countries.



280.000 m² closed area

EAE group is spread over a total closed area of 280.000 m² with its 5 factories.



3 R&D Centers

There are 3 R&D centers in total, 2 of them are in Kocaeli.

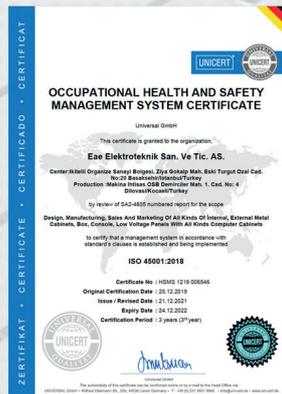
EAE Globally...

EAE Elektrotechnik A.Ş.

Active in energy distribution, industrial automation and data processing business EAE Elektrotechnik A.Ş. is committed to continuous innovation to improve performance of installations in infrastructures as well as industrial and commercial sites.

Throughout its history it has constantly anticipated market changes by developing pioneering designs, providing solutions that are adapted to customer requirements and fully in compliance with international standards.

EAE Elektrotechnik A.Ş. applies lean manufacturing methods throughout its entire operation and follows integrated management systems.



Employees

EAE Elektrotechnik has more than 260 employees.



Manufacturing facility

EAE Elektrotechnik has 20.000m² manufacturing facility.



Experience

EAE Elektrotechnik has 20 years experience.

EAE Elektrotechnik

Our solutions...

PANELMASTER

E-Kabin®



Type Tested LV Switchgears

PanelMaster is a LV high current switchgear system designed in a modular structure for adapting to different applications needs. Modules are individually and the switchgear system as a whole are type tested and certified by internationally recognized laboratories. It has been certified by international DEKRA certification body for successfully passing all type tests prescribed by IEC 61439-1/2 standards up to Form 4B, with the highest technical values that businesses and facilities may need. Certification comprises all modules with 6 different internationally accepted brands of switchgear equipment separately.

PanelMaster has also passed internal arc tests according to IEC 61641 standard and seismic tests to IEC 60068-3-3 standard. It has been certified by DEKRA for internal arc testing and VIRLAB laboratories for seismic tests.

Type-Tested Empty Electrical Enclosures

E-Kabin LV electrical enclosures are type-tested in accordance with IEC 62208 standard to be used for various applications.

- Wall-Mounted Electrical Enclosures (E-Kabin M, O, E Series)
- Floor-Standing Electrical Enclosures (E-Kabin S, D, L Series)
- Outdoor Electrical Enclosures (E-Kabin H Series)
- Stainless-Steel Electrical Enclosures (E-Kabin X Series)
- Terminal Boxes (E-Kabin T Series)
- Monoblock Consoles (E-Kabin K Series)

KabinPLUS



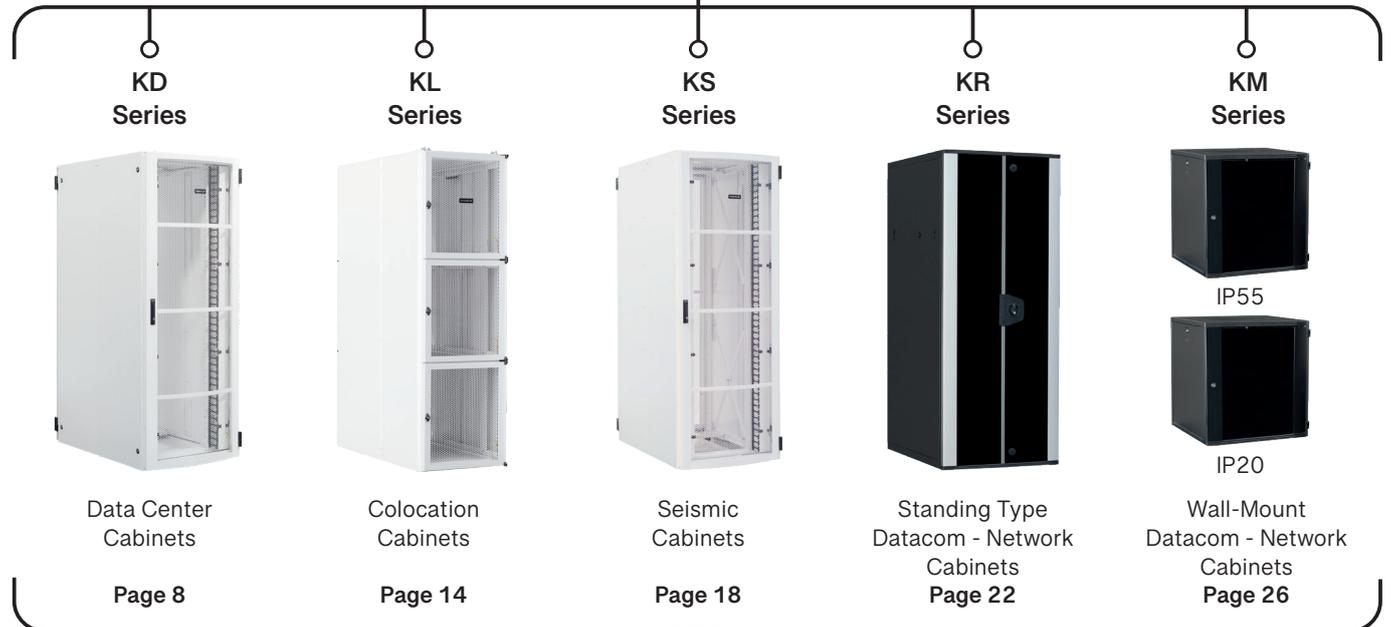
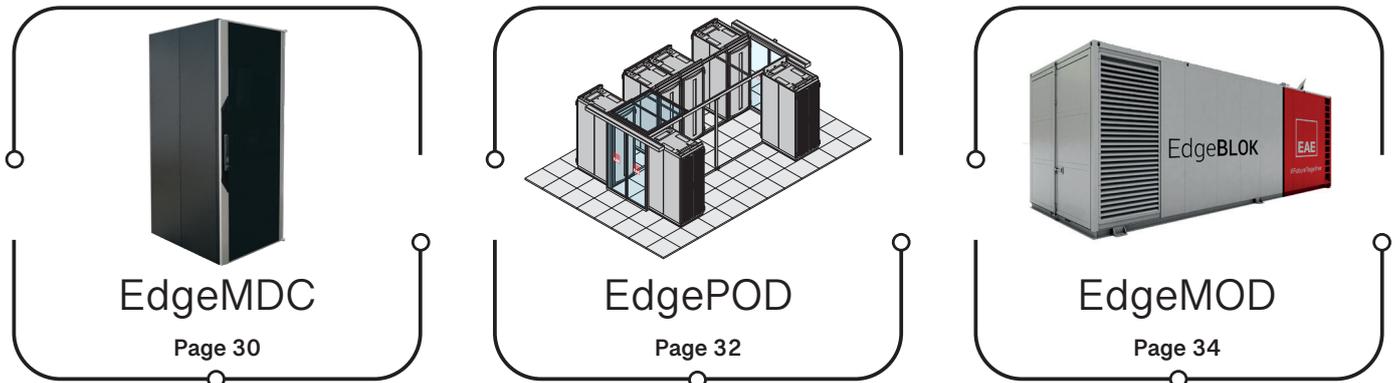
Information Technologies Solutions

KabinPLUS product family serves businesses in information technologies and comprises data cabinets, cooling solutions and wide range of related accessories.

KabinPLUS products designed to be used in system rooms and data centers comply with various internationally recognized standards like EN and UL. Their compatibility has been registered with the documents obtained from accredited laboratories.

Value added solutions with seismic resistance are also offered within the scope of KabinPLUS product family. KabinPLUS seismic solutions includes various products that comply with IEC 60068-3-3, IEC 60980 (Nuclear Power Plants) EN 61587-2, Telcordia Nebs GR63 Zone 4 standards.





Data Center Applications

Datacom-Network Applications

INDEX

| | |
|---|-----|
| KD SERIES | 8 |
| KL SERIES | 14 |
| KS SERIES | 18 |
| KR SERIES | 22 |
| KM SERIES | 26 |
| EdgeBLOK MDC | 30 |
| EdgeBLOK POD | 32 |
| EdgeBLOK MOD | 34 |
| CUSTOM DESIGN CABINETS | 36 |
| ENGINEERING SERVICES | 38 |
| ACCESS CONTROL SYSTEMS | 40 |
| OPTIONS | 42 |
| CABLE MANAGEMENT ACCESSORIES | 50 |
| AIRFLOW MANAGEMENT ACCESSORIES | 66 |
| AISLE CONTAINMENT ACCESSORIES AND SOLUTIONS | 78 |
| ADDITIONAL PYHSICAL SECURITY | 86 |
| GENERAL ACCESSORIES | 88 |
| SEISMIC MOUNTING SETS | 98 |
| PACKAGING OPTIONS | 100 |
| TECHNICAL DRAWINGS | 102 |
| STANDARD CONFIGURATION | 108 |
| COMMERCIAL STATEMENTS | 111 |

General Features

CONFIGURATION FLEXIBILITY

- Wide range of choices in dimensions and configurations
- Assembled delivery of selected configuration
- Designed to be used as a single unit or bayed in a row
- Wide range of interior mounting, cabling and airflow management accessories are available.

ROBUST FRAMEWORK

Rigid framework made of steel with 1500 kg static and dynamic loading capacity -dynamic loading with heavy duty castor sets

HIGH CORRSION RESISTANCE

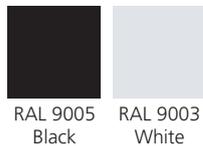
All parts made of pre-galvanised sheet steel or have protective coating. In addition electrostatic powder painted for superior corrosion protection.

STANDARD COLORS

RAL 9003 White

RAL 9005 Black

Please contact for other alternatives



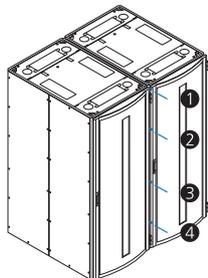
GROUNDING

All doors, covers and internal parts are grounded with the body. The door grounding conductor is in a socket structure. The grounding terminal positioned on the frame is designed as a connection point to the common grounding network.



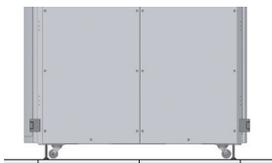
CABINET BAYING KIT

- Baying brackets made of 3 mm steel
- 4 pieces of baying brackets per upright pair
- It is not necessary to remove the doors during the cabinet baying.
- Baying brackets placed below the door plane - invisible when door closed
- The baying kit does not interfere with installation space in the cabinet interior.
- Cabinets can be bayed with or without side panel fitted on.



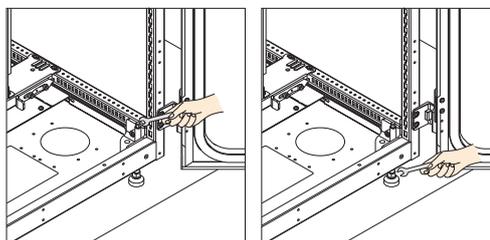
TRUE DIMENSIONS

- Doors are excluded in frame depth dimension.
- Access to adjacent raised floor tiles directly in front or behind the cabinet is not blocked.



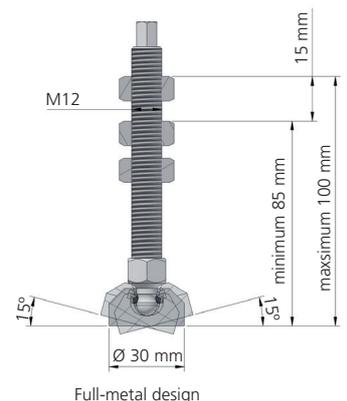
LEVELLING FEETS

- Levelling feet allows adjustment on uneven floors
- Full metal design; no plastic part
- Loading capacity 1500 kg / 4 feet
- Adjusting range between 85 mm and 100 mm and +/- 15 degree
- Possibility of adjustment from inside the cabinet when external access to the feet is blocked by airflow management accessories
- Levelling feet is adjustable from outside and inside the cabinet easily at each corner.



Adjustment from inside

Adjustment from outside



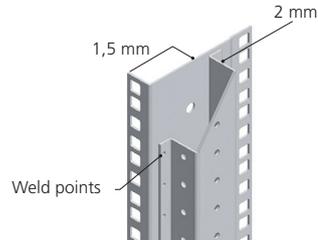
Full-metal design





19 INCH MOUNTING RAILS

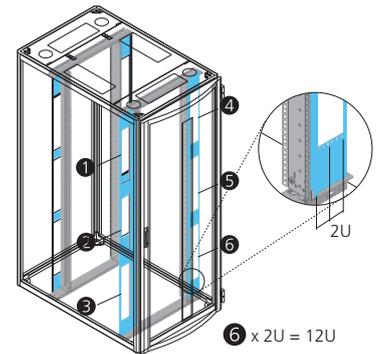
- Compatible with EN 60297-3-100 ve EIA-310D
- 4 pieces of mounting rails in all configurations
- Dual welded design with 2 mm +1,5 mm steel rails
- Square mounting holes for M6 cage nuts
- 1500 kg load capacity with four rails
- Additional 12U Zero-U mounting area option in 800 mm wide cabinets



- Design with top and bottom support rails in width axis for fixing mounting rails eliminate fixing at mid-height to the frame. More space is provided for cabling and air flow management accessories.
- Mounting rails are in same colour with the cabinet.
- Threaded bolts and cage nuts used for device mounting and rail fixing ensure low resistant grounding.

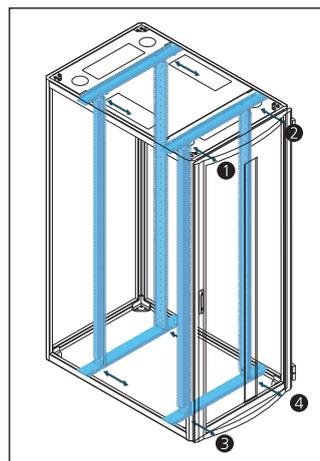


Rack unit markings both on front and rear mounting rails - white marking on black paint / black marking on white paint

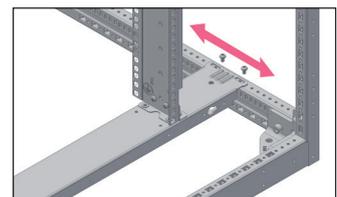


- Zero-U mounting option - 12U

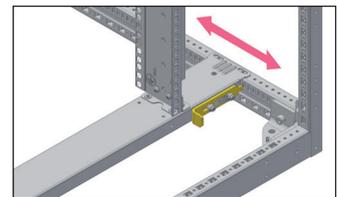
- Front and rear depth adjustment alternatives



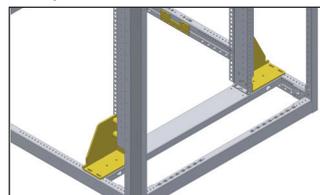
Position and depth adjustment at four points



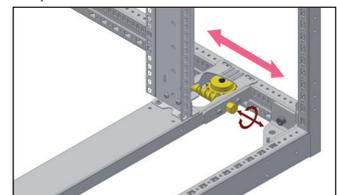
Standard type - Continuously adjustable



Slider type - Adjustable by 10 mm steps



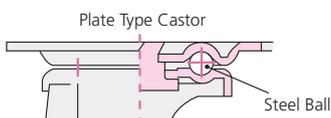
Seismic reinforced support rail
For more details pl. refer to page 98



Mechanism type - Continuously adjustable

CASTOR

- Robust construction - plate type castor fixed on steel plate
- Steel ball bearing
- Standard type four-wheel set is designed to transport empty racks to initial place of use - each can rotate 360° degrees
- The heavy-duty caster set allows safe and comfortable movement of fully equipped racks loaded up to 1500 kg. Only front two of four wheels are capable of 360° degrees rotating.
- Cabinets equipped with heavy-duty castor set are UL 1678 certified for dynamic loading at 1500 kg.



Doors and Panels

FRONT AND REAR DOORS

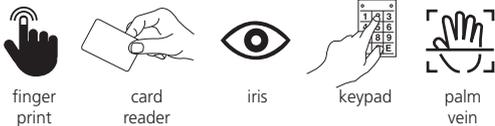
- More airflow achieved with 85% perforation
- Thanks to the 180° opening of the doors, the aisle passage can be left free.
- Rear split door wings can open 180° over to adjacent cabinets door when bayed side by side.
- Opening direction of full-width doors can be changed on site whenever needed.

REMOVABLE / ATTACHABLE DOOR DESIGN

- After the doors are opened 20°, they can be easily removed without the need for tools and then installed in the same way. The grounding cable with socket provides convenience.
- Any part that might be lost while the door is being removed, such as hinge pin, is not present.
- Attaching removing the door is only possible after unlocking. No security vulnerability occurs.
- Door opening direction can be changed on site.

LOCKING OPTIONS

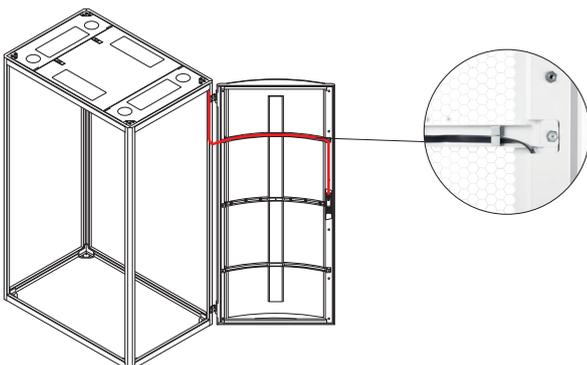
- All lock options provide single-point locking as standard and four-point locking as option.
- Combination lock or unique pass key option
- Electronic lock with keypad
- Electronic lock with card reader
- Electronic lock with finger print
- Biometric access control - iris
- Biometric access control - palm vein



For more details please refer to page 41.

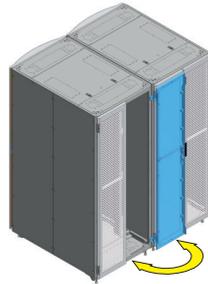
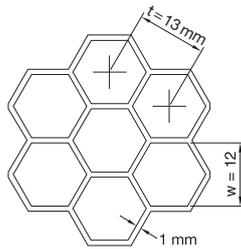
DEDICATED CABLE ROUTING ON DOORS

- Necessary cable route for electronic locking system cabling inside the door is predefined.
- Cable channels for temperature and airflow sensors are placed at top, mid- and lower height on the door

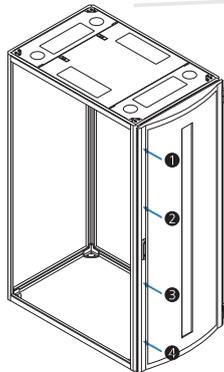


For more details please refer to page 61.

Perforation Dimensions



180° hinge

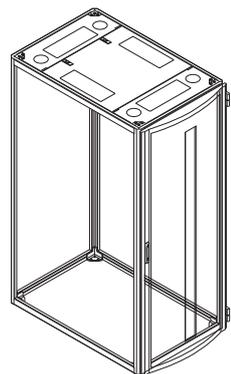


4 points locking alternative



BOTTOM COVER

- Thanks to its segmented design, bottom cover
 - Ⓐ May not be used at all to provide access directly under the floor
 - Ⓑ Can be used at front or rear side for efficient airflow management
 - Ⓒ Can be used to completely close the bottom plane of the cabinet to prevent dust ingress or to provide full airflow control.
- Thanks to their segmented structure and their design that they are positioned completely below the installation plane, bottom cover parts can be removed or fixed later at site provided the cabinet is empty.
- Bottom covers enable entry of data and power cables at sides, front or rear of the cabinet's bottom.
- There are various knockouts for cable entries where cable entry accessories can be placed.



Ⓐ - Open

TOP COVERS

- There are openings on the top covers that allow for the use of various cable passage accessories.
- Top covers design provides possibility for mounting airflow management solutions that can be fixed to the upper parts of the cabinets.
- Various top-of-cabinet cable management accessories can be selected, which are compatible with other features of the top covers.
- The middle part of the top cover can be opened or removed and can be locked with an additional lock accessory if desired.



Please refer to Page 62 for cable entry accessories

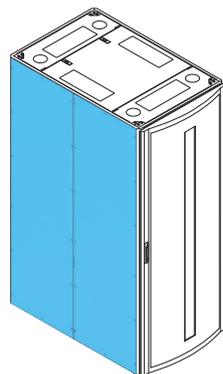


SIDE PANELS

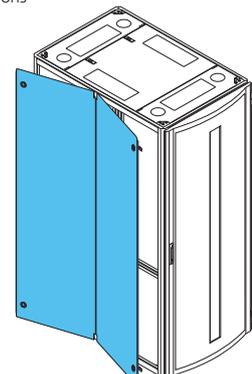
- Vertically split side panels can be selected as either fixed types that are secured with screws or center-hinged types with key locks. Head-of-row types provide speed and ease of access to network cabinets at the end of aisles. Additionally, the fixed types have pass-through versions with transition openings for neighboring cabinets. Cable passage accessories are used in these transition openings.
- Cabinets can be joined together while the side panels are attached. The presence and type of side panels do not affect the process of joining the cabinets side by side.
- Side panels are designed and manufactured to be self-grounding during installation.



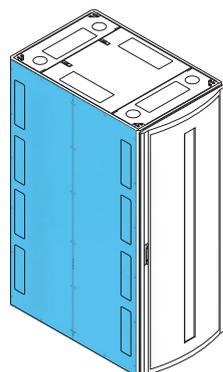
Side panel options



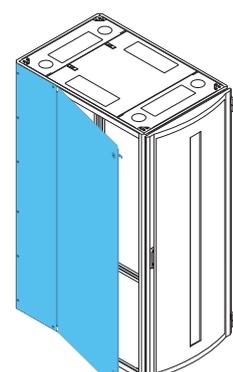
Fixed side panel



Hinged side panel

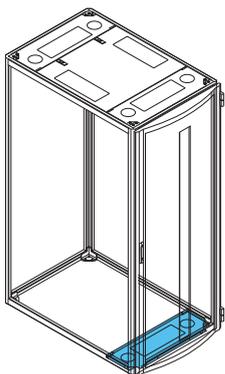


Transition type side panels

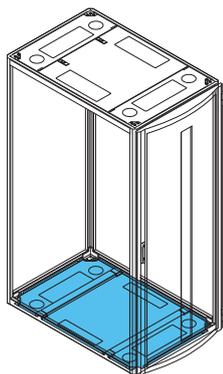


Head-of-row side panel

Bottom cover options



B - Partial covered



C - Closed

Features

Server Cabinet

| Width | Height | Depth |
|--------|----------------|----------|
| 600 mm | 42U - 2000 mm | 1000 mm |
| | 47U - 2200 mm | 1100 mm |
| | *52U - 2400 mm | 1200 mm |
| | | *1300 mm |

Network Cabinet

| Width | Height | Depth |
|---------|----------------|----------|
| 800 mm | 42U - 2000 mm | 1000 mm |
| 1000 mm | 47U - 2200 mm | 1100 mm |
| | *52U - 2400 mm | 1200 mm |
| | | *1300 mm |

* Please contact for different dimensions.



- Compatible with EN 60297-3-100 and EIA-310D for 19 inch equipment mounting
- Grounding and protection circuit comply with EN 60950
- 1500 kg static load capacity in compliance with EN 61587-1 and UL 2416
- Seismic resistance; tested and certified by internationally accredited laboratories for compliance to EN 61587-2
- 1500 kg dynamic load capacity with optional heavy-duty casters UL 2413 and UL 1678
- Mounting rails, top panel, side panels and doors are electrically bonded to the cabinet frame. Additional grounding terminal is fixed on the frame for common bonding network connection.
- Perforated doors have 85% relative open area - calculated in compliance with DIN 24041 Perforated Plates Standard
- Unless otherwise stated standard packaging is used. Please refer to page 100 for packaging details.

- Steel frame and two sets of dual vertical mounting rails that can be adjusted independently in depth axis - both front and rear mounting rails have unit indication markings.
- Full metal leveling feet set with a high corrosion resistance coating 1500 kg load carrying capacity.
- Standard type castor set is designed for transferring empty cabinets to initial place of use - each can rotate 360 degrees
- Grounding terminal bracket for connecting to common bonding network
- Top cover - with one (1) pc. brushed cable entry accessory
- Side panels Standard; set of two (2) fixed panels
Option 1; set of two (2) lockable and hinged panels.
Option 2; set of two (2) transition type side panels
four (4) pieces cable entry knockouts on each panel and four (4) pieces brushed cable entry accessories
- Front and rear doors - with standard swinghandle lock Standard; full-width curved perforated front door and split perforated rear door
Option; full-width curved perforated front and rear doors
- Bottom cover Standard; none
Option 1; full-covered with knockouts
Option 2; semi-covered for air flow management

ASSEMBLED ACCESSORIES

Selected items and accessories can be delivered either assembled or separately packed. Please inform your sales representative accordingly when ordering.

ACCESSORIES

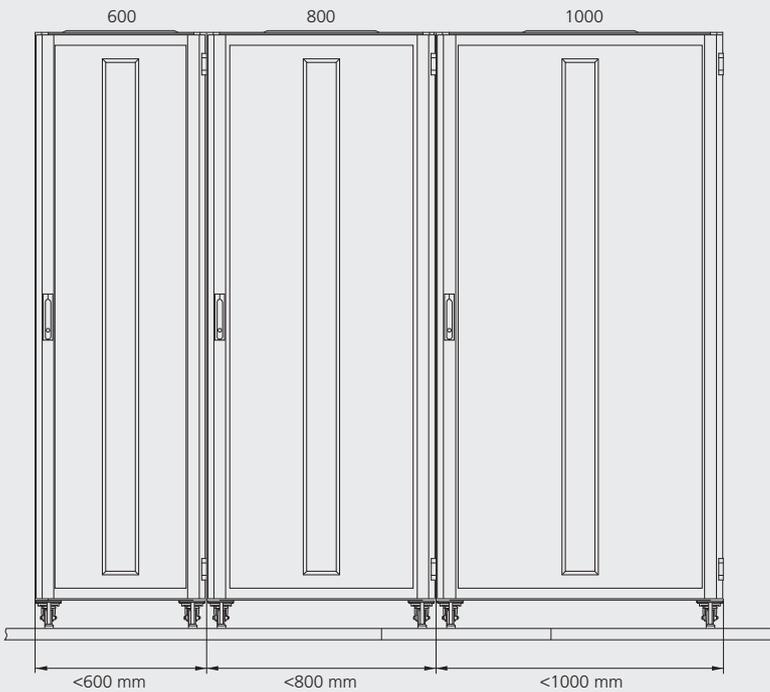
Cable anagement accessories Page 50

Air flow management accessories Page 66

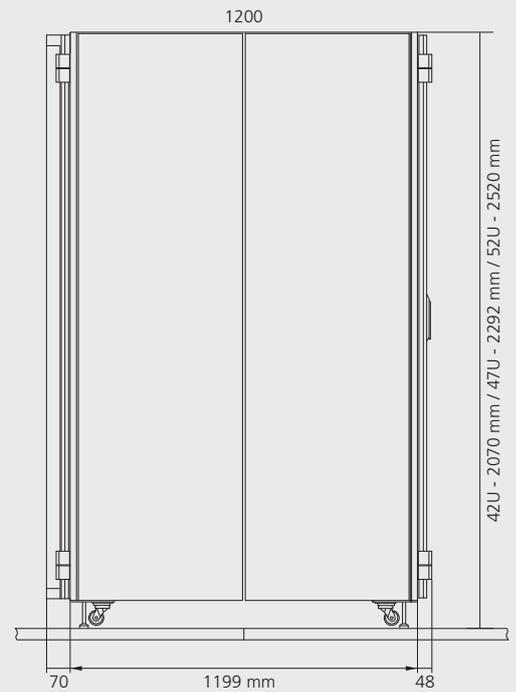
Part No system Page 110

Packaging Page 100

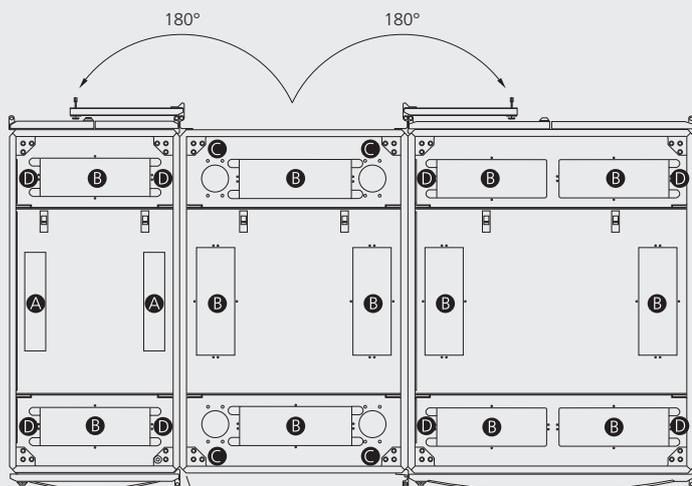
Nominal dimensions



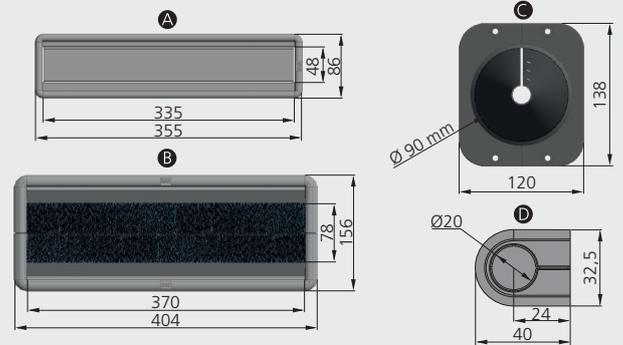
-9 mm airflow sealing and adjustment tolerance in width



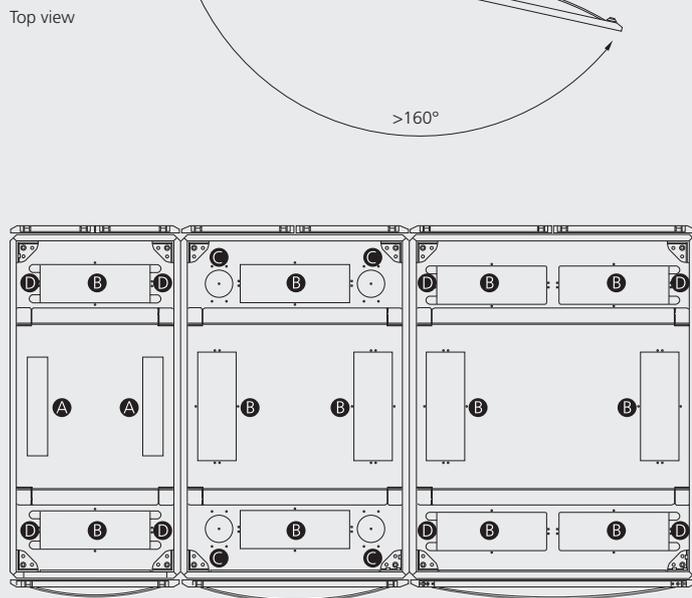
| Depth Code | Nominal Dimension | Net Dimension |
|------------|-------------------|---------------|
| 10 | 1000 | 999 mm |
| 11 | 1100 | 1099 mm |
| 12 | 1200 | 1199 mm |
| 13 | 1300 | 1299 mm |



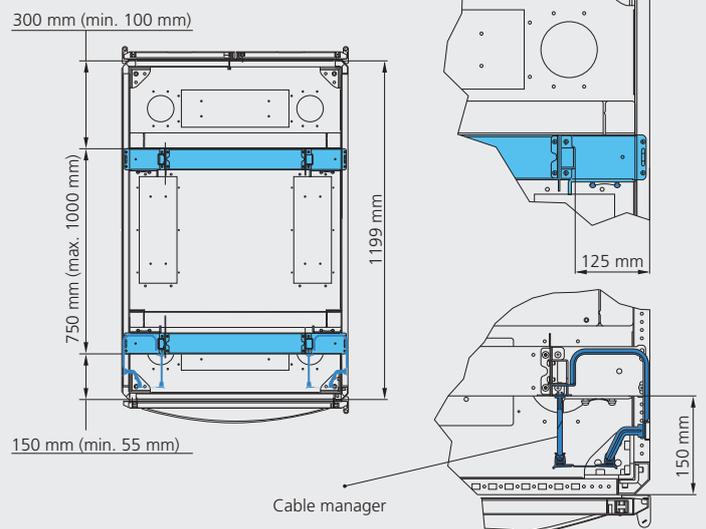
Top view



Please refer to Page 102 for actual dimensions



Internal bottom view



Cable manager

All dimensions are in mm unless stated

General Features

COLOCATION CABINET

Built on the successful KabinPLUS product platform, KL Series collocation cabinet's design maintains outlook continuity and operation functionality in data center aisle applications in combination with full height KD Series cabinets.

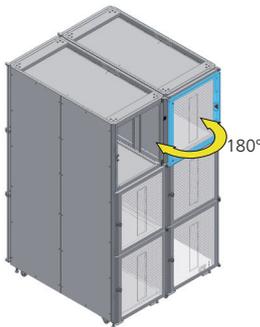


STRUCTURAL DESIGN CONTINUITY

All superior features of full height KD Series, such as frame strength and door perforation is preserved in KL Series collocation cabinets.

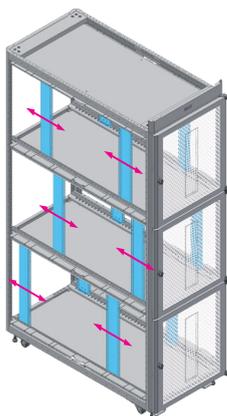
DOORS WITH 180 DEGREES OPENING ANGLE

- Enabling 180 degrees opening angle, door hinges provide convenience during device installation or maintenance operation and eliminate aisle blockage. This feature is preserved even if hinges of adjacent cabinet doors are positioned next to each other.
- Changing opening direction of doors can easily be made at site whenever needed.
- Front and rear doors have perforation rate of 85% and single point locking feature.



INDEPENDENT MOUNTING RAIL ADJUSTMENT

- There are four separate 19 inch mounting rail in each compartment.
- Each mounting rail can independently be adjusted in depth direction.
- Unit indicators are marked on both front and rear rails.



LOCK OPTIONS

- Combination lock
- Mechanical lock with key
- Electronic lock with keypad
- Electronic lock with card reader
- Electronic lock with remote control



Latch type electronic lock



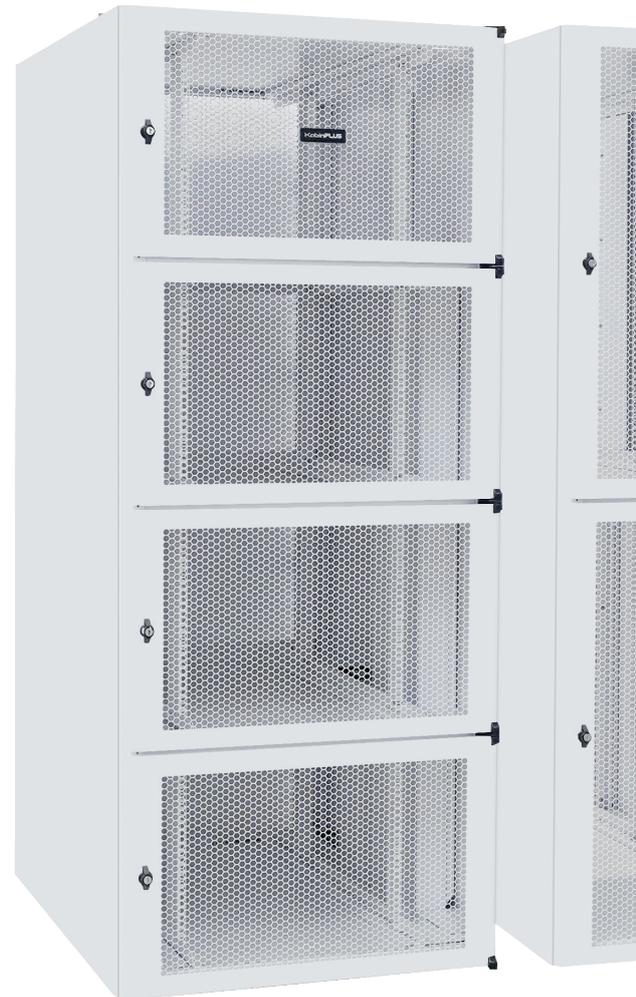
View from inside when door locked



card reader



keypad

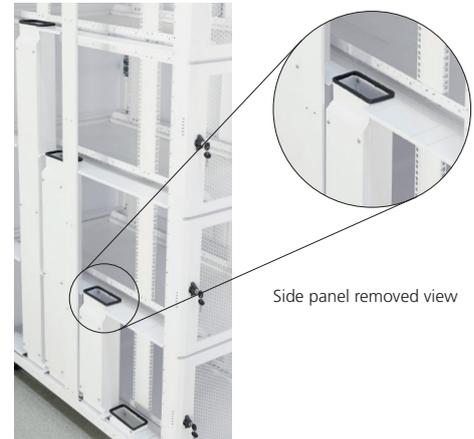


Split design allows different customers to share the same cabinet. It is also useful for office tenants sharing same system room.



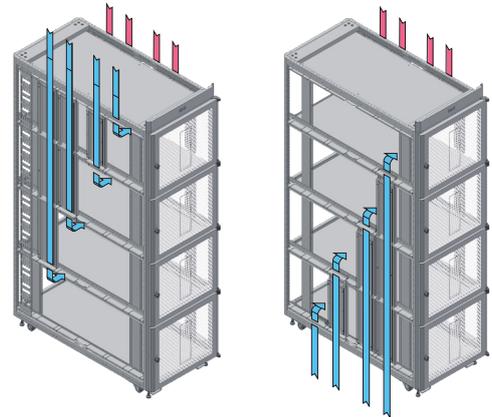
SECURE AND SEPARATE CABLE ROUTING

- Cable ducts inside the cabinet allow safe and discrete routing of data and energy cables entering from top and/or bottom.
- Metal cable ducts on both sides create two alternative cable routes to each compartment.



Side panel removed view

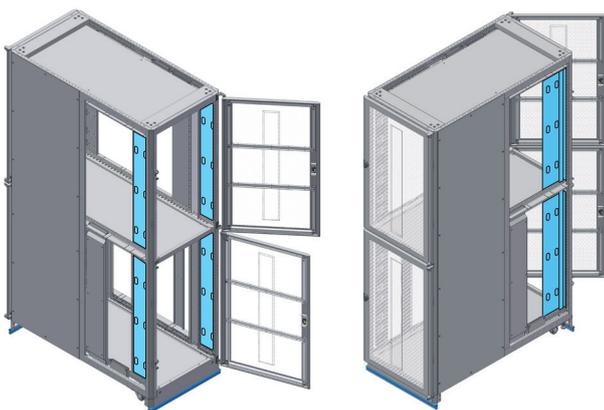
- Cable duct design is symmetric and allows entry from top or bottom on both sides or inverted at opposing sides.



Please refer to page 107 for actual dimensions

VERTICAL AIR DAM SET

- Provide energy efficiency in combination with air flow management solutions in aisle applications.
- Air dams are positioned on both sides of each section.
- Do not prevent adjustment of mounting rails.
- Knockouts for cable routing allow cable passage accessories to be used whenever needed.



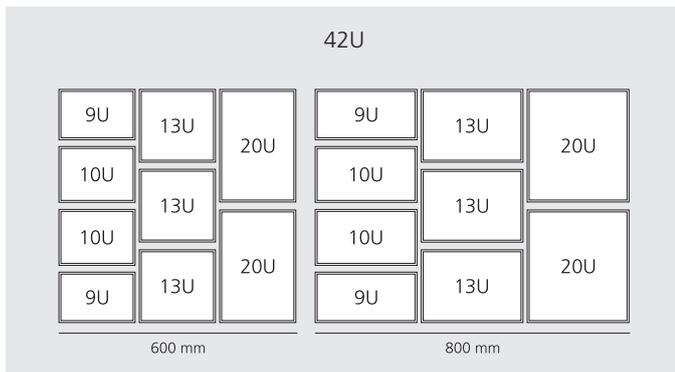
- Reserve space for additional cable duct can be used if cable routing between compartments is needed for a specific application.
- The cable duct openings are protected with special gaskets, and internal structures of the ducts are designed to ensure there are no sharp edges or protrusions along the cable routes.



Features

Colocation Cabinet - 42U

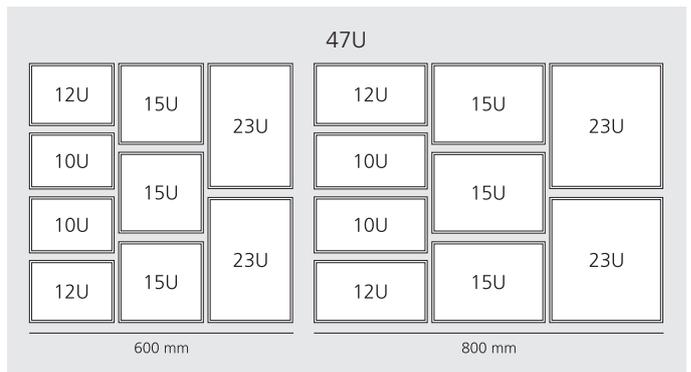
| Width | Height | Depth |
|--------|--------|---------|
| 600 mm | 42U | 1000 mm |
| 800 mm | | 1100 mm |
| | | 1200 mm |



- Compatible with EN 60297-3-100 and EIA-310D for 19 inch equipment mounting
- Grounding and protection circuit comply with EN 60950
- 1500 kg static load capacity in compliance with EN 61587-1 and UL 2416
- Mounting rails, top panel, side panels and doors are electrically bonded to the cabinet frame. Additional grounding terminal is fixed on the frame for common bonding network connection.
- Perforated doors have 85% relative open area - calculated in compliance with DIN 24041 Perforated Plates Standard
- Unless otherwise stated standard packaging is used. Please refer to page 100 for packaging details.

Colocation Cabinet - 47U

| Width | Height | Depth |
|--------|--------|---------|
| 600 mm | 47U | 1000 mm |
| 800 mm | | 1100 mm |
| | | 1200 mm |



- Steel frame and two sets of vertical mounting rails in each compartment. All mounting rails can be adjusted independently in depth axis - both front and rear mounting rails have unit indication markings.
- Full metal leveling feet set with a high corrosion resistance coating 1500 kg load carrying capacity.
- Standard type castor set is designed for transferring empty cabinets to initial place of use - each can rotate 360 degrees.
- Grounding terminal bracket for connecting to common bonding network
- Two sets of fixed side panels
- Full-width, perforated front and rear door with single-point lock at each compartment
- Door hinges can be opened 180 degrees even if they are positioned back to back with the hinges of adjacent doors. If opening direction of doors is desired to be changed, it can be easily made on site.
- Metal cable ducts at both sides create two alternative cable route for each compartment.
- The design of the cable ducts is symmetrical and allows entry from the top or bottom on both sides, or from the top at one side and from the bottom at the other.

ASSEMBLED ACCESSORIES

Selected items and accessories can be delivered either assembled or separately packed. Please inform your sales representative accordingly when ordering.

ACCESSORIES

Cable anagement accessories

Page 50

Air flow management accessories

Page 66

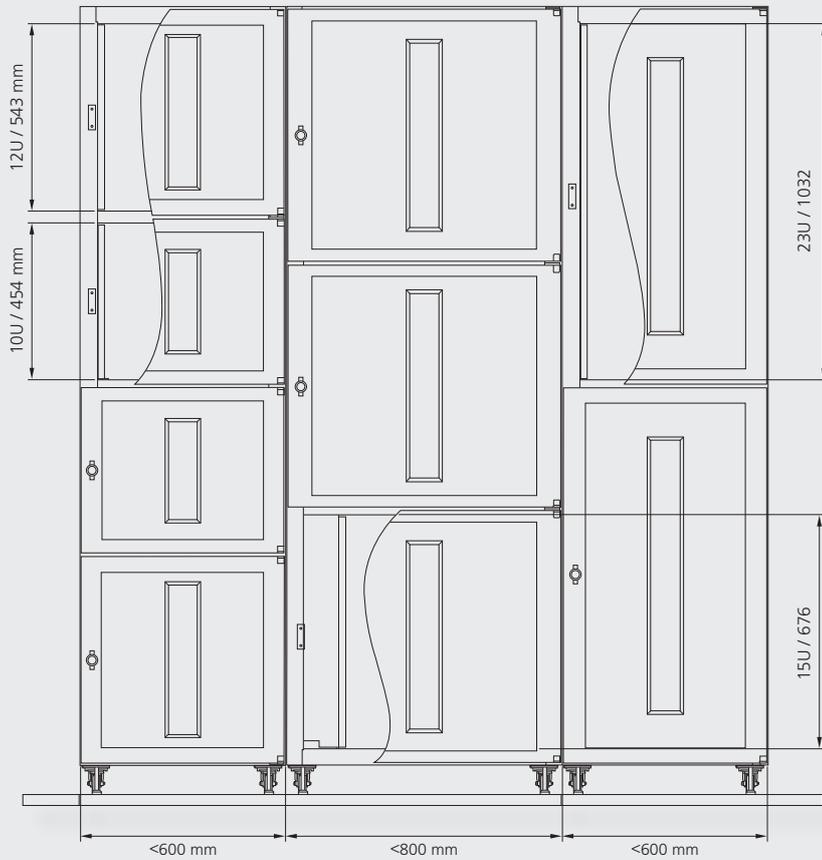
Part No system

Page 110

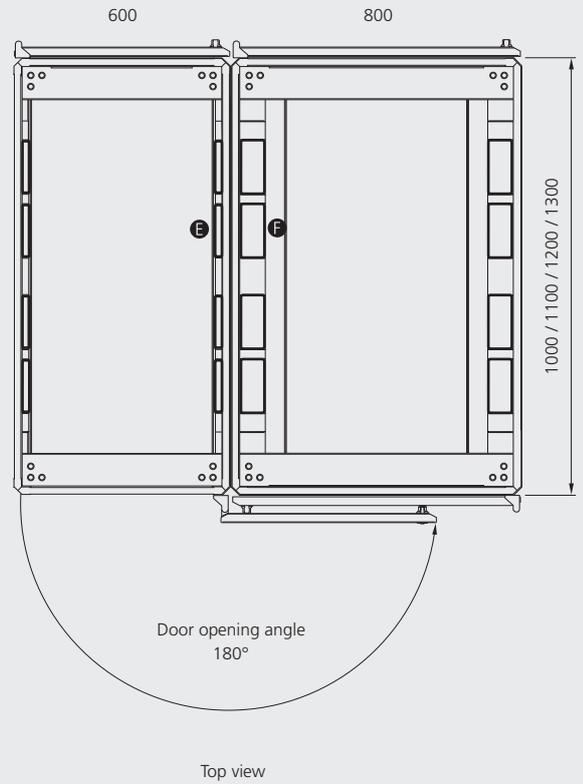
Packaging

Page 100

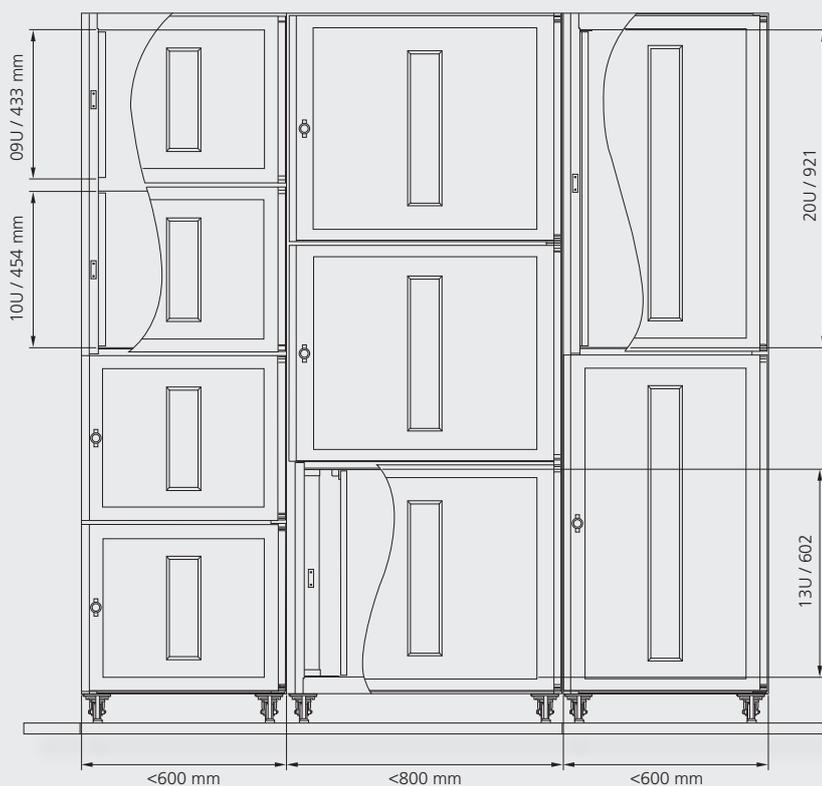
Cabinet Height 47U



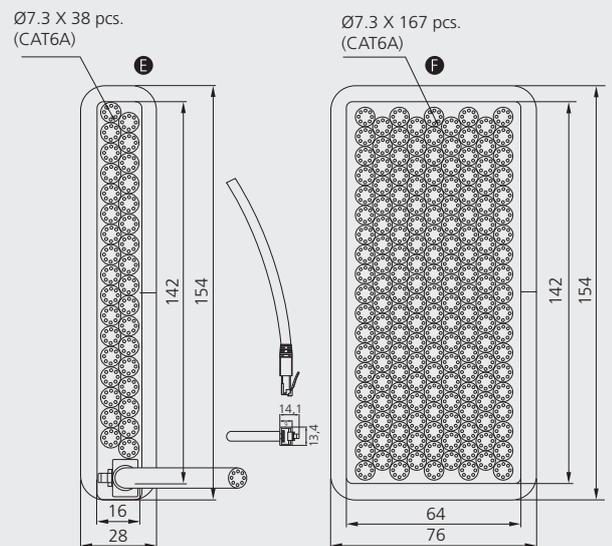
Cabinet Width



Cabinet Height 42U



Cable Entry Openings



Please refer to Page 107 for actual dimensions

All dimensions are in mm unless stated.

General Features

SEISMIC CABINET

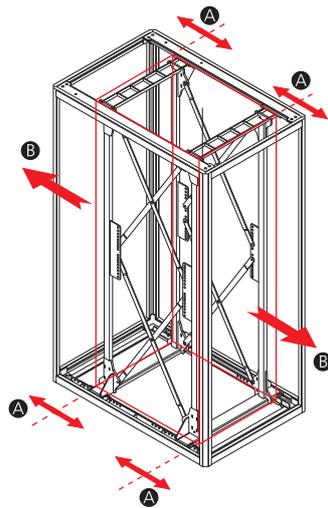
Built on the successful KabinPLUS platform, KS Series seismic cabinets are designed to keep information technology equipment safe in facilities located in areas with high earthquake risk.

CONSISTENCY IN FEATURES

All standard features of KD Series cabinets such as door perforation, color options, outer dimensions are also preserved in KS Series seismic cabinets. Single-point or 4-point perforated doors can be selected. Both types of door options have successfully passed seismic tests. Same cable management and airflow management accessories or ones with similar structure can be selected.

ADJUSTABLE 19 INCH MOUNTING FRAME

- Welded heavy gauge steel 19 inch mounting frame
- Front and rear mounting frames are independently adjustable with 25 mm steps in depth axis
- Equipment mounting depth between front and rear mounting frames can be changed. **A**
- Design with welded mounting frames eliminate fixing at mid-height to the frame, which provides more space for cabling and air flow management accessories. **B**

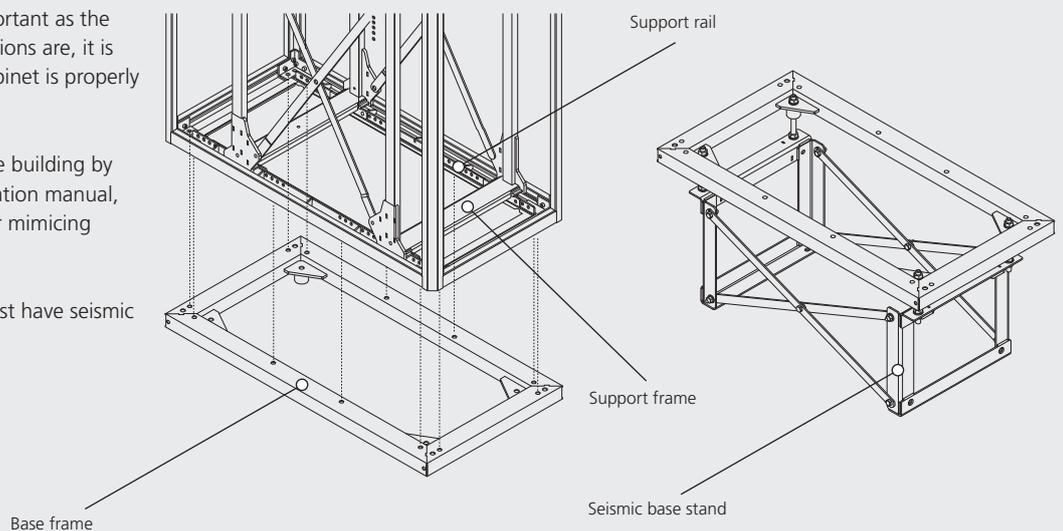


Attachment and anchorage

For achieving seismic resistance, as important as the standalone cabinet design and certifications are, it is equally important to ensure that the cabinet is properly attached to the particular building.

Seismic cabinets shall be attached to the building by following rules described in their installation manual, which is prepared by their manufacturer mimicing type-test arrangement.

Fixing and anchoring elements used must have seismic resistance certificate.

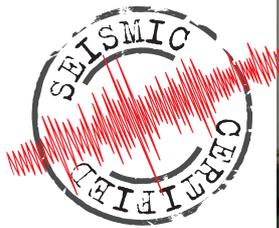




INTERNATIONALLY VALID SEISMIC CERTIFICATION

KS Series seismic cabinets have been tested and certified by internationally accredited laboratories for compliance to following standards

- IEC / EN 61587-2
- IEC / EN 60980 Zone 4 (Nuclear facilities)
- Telcordia NEBS GR63 Zone 4



Group of cabinets attached with seismic stand accessories on shake table mimicing data center aisle application

SEISMIC ACCESSORIES

Designed for use in raised floor applications "Seismic Base Stand" accessory is tested for its seismic resistance and certified.

All door and side panel options for KD and KS Series cabinets have been tested for their seismic resistance. During tests none of them have been opened or deformed. Both one-point and four-point locking types or split type doors can be selected in seismic cabinets. Similarly, fixed type or hinged type side panels can be used.

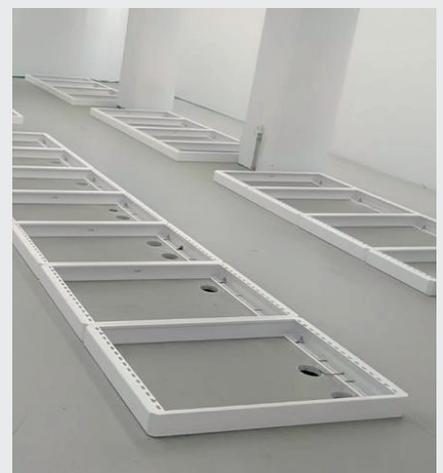


Seismic stand accessories' pieced design allows it to be attached on the floor after raised floor installation has been carried out previously.

Level Adjustment

In aisle applications, all cabinets must be fixed to the floor at the same height to ensure proper positioning of airflow management accessories.

The base frame of KS Series cabinets can be separated from the cabinet framework (or delivered separately) and fixed to the concrete floor or seismic base stand by adjusting their level in advance. After this comparably easy process, each cabinet framework can be fixed to its own base frame and easily bayed to each other.



Attached and leveled base frames on site

Features

Server Cabinet

| Width | Height | Depth |
|--------|---------------|---------|
| 600 mm | 42U - 2000 mm | 1000 mm |
| | 47U - 2200 mm | 1100 mm |
| | | 1200 mm |

Network Cabinet

| Width | Height | Depth |
|---------|---------------|---------|
| 800 mm | 42U - 2000 mm | 1000 mm |
| 1000 mm | 47U - 2200 mm | 1100 mm |
| | | 1200 mm |



- Compatible with EN 60297-3-100 and EIA-310D for 19 inch equipment mounting
- Tested and certified by internationally accredited laboratories for compliance to IEC / EN 61587-2, Telcordia NEBS GR63 Zone 4, IEC / EN 60980 (Nuclear facilities),
- Grounding and protection circuit comply with EN 60950.
- Mounting rails, top panel, side panels and doors are electrically bonded to the cabinet frame. Additional grounding terminal is fixed on the frame for common bonding network connection.
- Perforated doors have 85% relative open area - calculated in compliance with DIN 24041 Perforated Plates Standard
- Unless otherwise stated standard packaging is used. Please refer to page 100 for packaging details.

- Cabinet framework and two sets of welded mounting frames that can be adjusted independently in depth axis are made of steel.
- Both front and rear mounting frames have unit indication markings.
- Grounding terminal bracket for connecting to common bonding network
- Top cover - with one (1) pc. brushed cable entry accessory
- Side panels Standard; set of two (2) fixed panels
Option 1; set of two (2) lockable and hinged panels.
- Front and rear doors - with standard swinghandle lock Standard; full-width curved perforated front door and split perforated rear door
Option; full-width curved perforated front and rear doors
- Bottom cover Standard; none
Option 1; full-covered with knockouts
Option 2; partially-covered for air flow management

ASSEMBLED ACCESSORIES

Selected items and accessories can be delivered either assembled or separately packed. Please inform your sales representative accordingly when ordering.

Most Preferred Accessories

- Vertical Cable Manager - Page 52
- Vertical Cable Guide - Page 55
- PDU Bracket Set - Page 56
- Brushed Cable Entry Accessories - Page 62

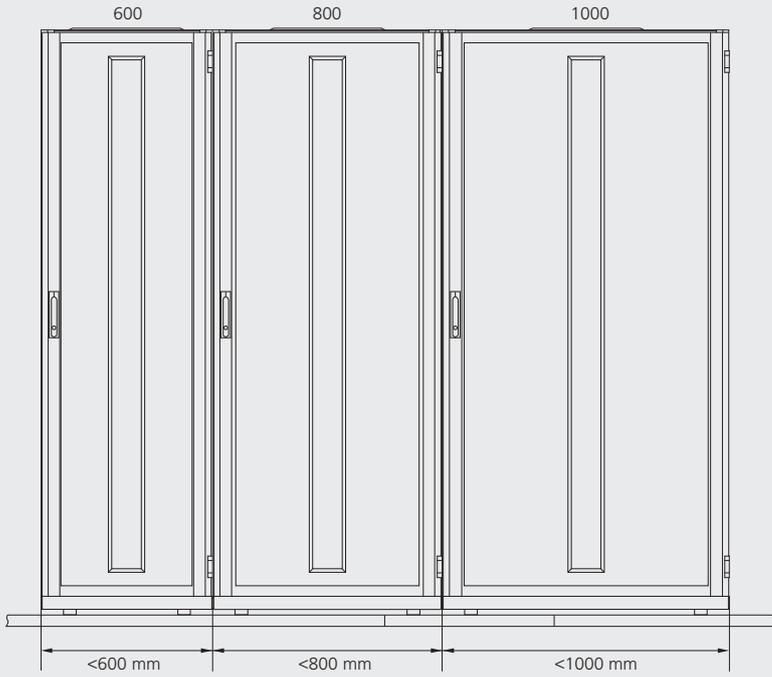
ACCESSORIES

Cable anagement accessories Page 50

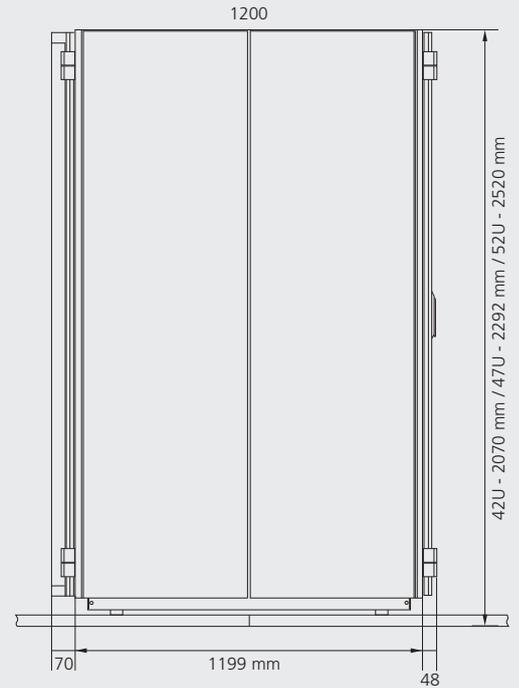
Air flow management accessories Page 66

Part No system Page 110

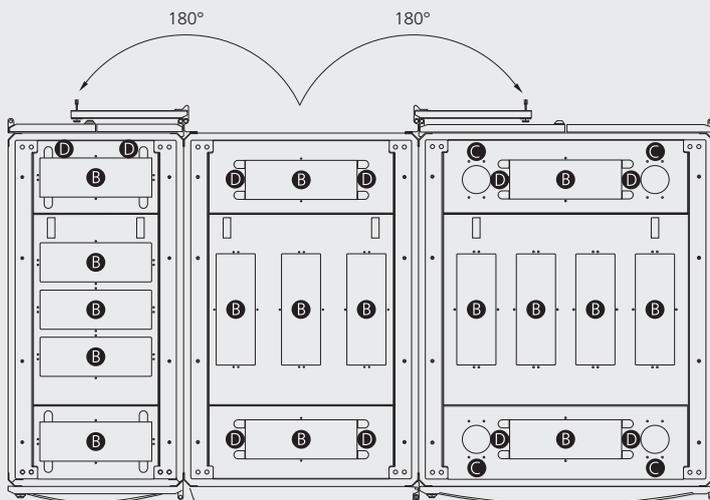
Packaging Page 100



-9 mm airflow sealing and adjustment tolerance in width



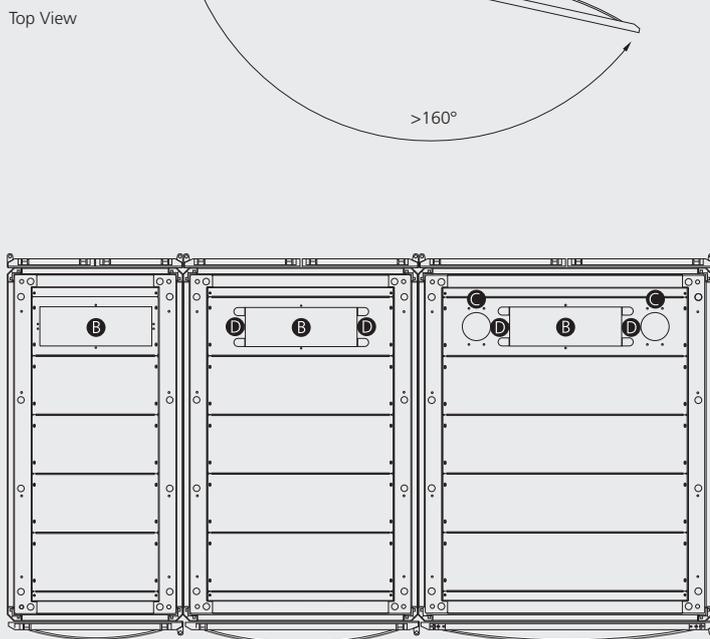
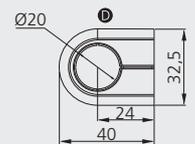
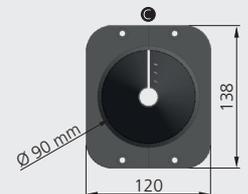
| Depth Code | Nominal Dimension | Net Dimension |
|------------|-------------------|---------------|
| 10 | 1000 | 999 mm |
| 11 | 1100 | 1099 mm |
| 12 | 1200 | 1199 mm |
| 13 | 1300 | 1299 mm |



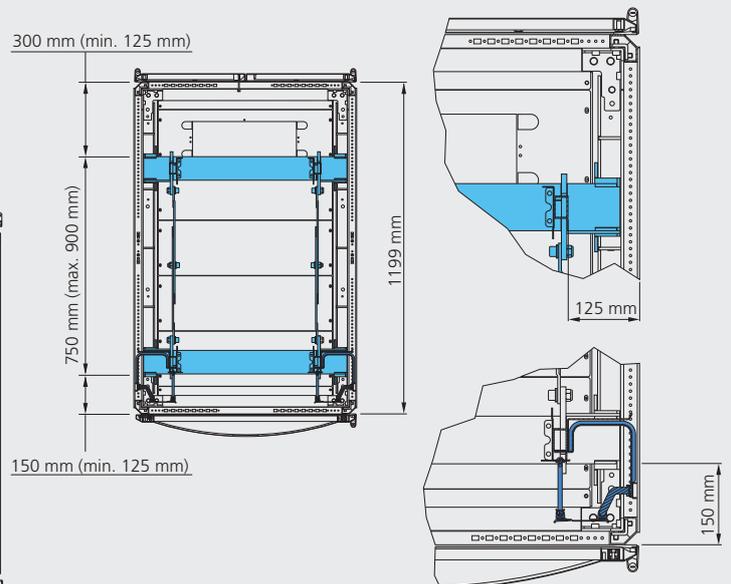
Top View



Please refer to Page 102 for actual dimensions



Bottom view



All dimensions are in mm unless stated.

General Features

STANDING TYPE DATACOM CABINETS

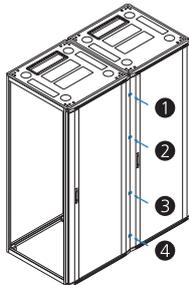
Built on the successful KabinPLUS platform, KR Series cabinets are designed to provide features that may be needed in data - communication infrastructures.

STANDARD FEATURES

- Two pairs of 19-inch mounting rails, which can be positioned with adjustable depth at the back and front, are painted black and have white marks indicating U height.



- Cabinets can be used solo or bayed together with baying brackets.



Baying at 4 points

- All doors, covers and internal parts are electrically bonded with the framework. The door grounding conductor with socket provides convenience when the door is to be detached. The grounding terminal positioned on the framework is the connection point to the common grounding network.
- Full metal levelling feet help adjusting the level on uneven surfaces.

CASTORS

- Robust design with double wheels and steel ball bearings
- Fixed directly to the frame with M12 bolts
- Each of four castors has the ability to rotate 360 degrees. Two of them at front have brakes.



Standard



With brake



Rear doors

FRONT AND REAR DOORS

- Various door options available
 - Glazed, solid or perforated metal
 - Full-width or split
- Standard door configuration
 - Split glazed front door
 - Split solid metal rear door
- Thanks to the hinges that can be opened 180 degrees on all door types, accessing inside can be done without removing the doors which may be necessary during device installation or in case of major operational change inside the cabinet.
- Split, overlapping doors have one lock at mid height for convenient opening and closing. Integrated locking mechanism fastens both doors to the frame at top and bottom when the door is locked.





FLEXIBLE CABLING

- Top covers have pre-lasercut and breakable cable entry openings at the front, back and sides for easy cable management.
- Side top entry openings allow cables to be easily routed between 19 inch zone and side panel.
- Cable entry accessories with integrated brush strips can be used at broken or knocked-out entry openings for physical cable protection and dust sealing.



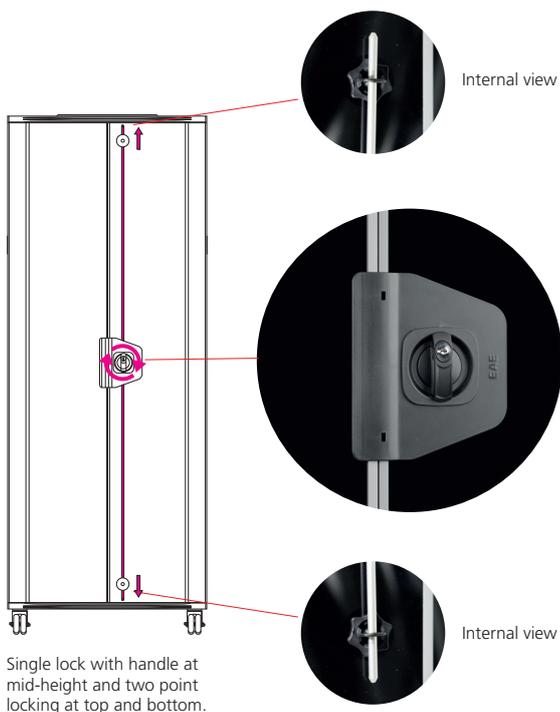
Cable entry modules

ADAPTABLE VENTILATION

- Knockouts at the center of top panels are to be used to install fan modules when needed.
- Depending on the depth of the cabinet up to 3 fan modules can be installed. Please see page 25 for details.
- Fan modules can be fixed or removed from outside and each is equipped with ON/OFF switch, thermostat and 1, 2 or 3 fans depending on selection.

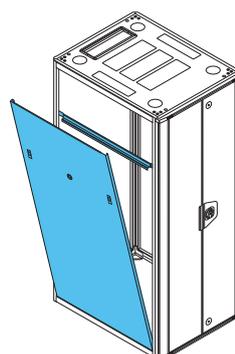


Fan module



SIDE PANELS

- Full-height side panels can easily be positioned with quick release latches located at both sides and locked with key at the center.
- Having side covers installed does not prevent multiple cabinets from being bayed side by side.
- Grounding of side panel is ensured automatically when locked in place. Dedicated grounding conductor is eliminated.



Side panel lock with common keys



Removable side panel

Features

Server Cabinet

| Width | Height | Depth |
|--------|---------------|---------|
| 600 mm | 26U - 1400 mm | 600 mm |
| | 36U - 1800 mm | 800 mm |
| | 42U - 2000 mm | 1000 mm |

Network Cabinet

| Width | Height | Depth |
|--------|---------------|---------|
| 800 mm | 26U - 1400 mm | 800 mm |
| | 36U - 1800 mm | 1000 mm |
| | 42U - 2000 mm | |



- Compatible with EN 60297-3-100 and EIA-310D for 19 inch equipment mounting.
- Grounding and protection circuit comply with EN 60950.
- Mounting rails, top panel, side panels and doors are electrically bonded to the cabinet framework. Additional grounding terminal is fixed on the frame for common bonding network connection.
- Doors with 225 degree opening angle
- Standard colour is RAL 9005 black.
- Split, overlapping doors have one lock handle at mid-height for convenient opening and closing. Integrated locking mechanism fastens both doors to the framework at top and bottom when the door is locked.
- Unless otherwise stated standard packaging is used. Please refer to page 100 for packaging details.

- Steel framework and two sets of dual vertical mounting rails that can be adjusted independently in depth axis. Both front and rear mounting rails have unit indication markings
- Full metal leveling feet set with a high corrosion resistant coating and 1500 kg load carrying capacity
- Grounding terminal bracket for connecting to common bonding network
- The top cover is delivered with one brushed plastic cable entry accessory.
- Side panels are removable and can be key-locked when in place. Keys have same combination as front and rear doors.
- Front and rear doors
 - Standard; - Split glazed front door
 - Split solid metal rear door
 - Option; - Full-width, single opening perforated metal front door,
 - Split solid metal rear door
- Bottom cover
 - Standard; open / none
 - Option; completely closed
- Castors
 - Standard; none
 - Option; four castors with 360°rotation

ASSEMBLED ACCESSORIES

Selected items and accessories can be delivered either assembled or separately packed. Please inform your sales representative accordingly when ordering.

Most Preferred Accessories

- Vertical Cable Manager - Page 52
- Vertical Cable Guide - Page 55
- PDU Bracket Set - Page 56
- Brushed Cable Entry Accessories- Page 62

ACCESSORIES

Cable anagement accessories

Page 50

Air flow management accessories

Page 66

Part No system

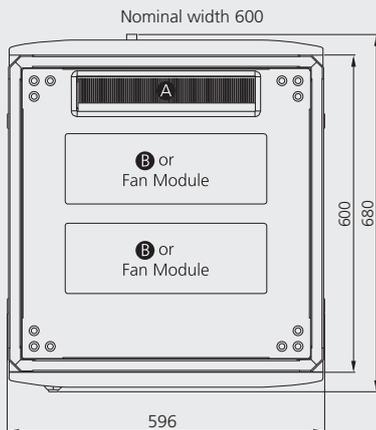
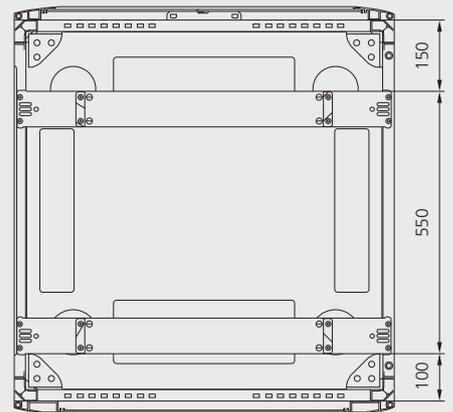
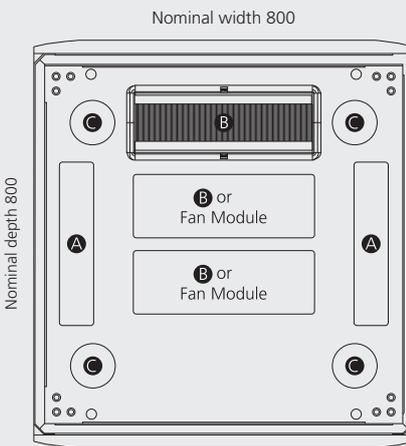
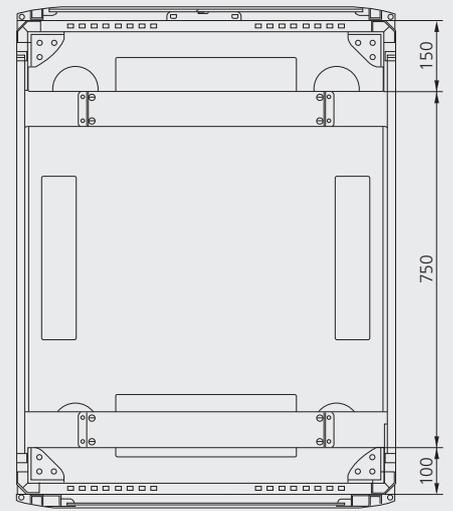
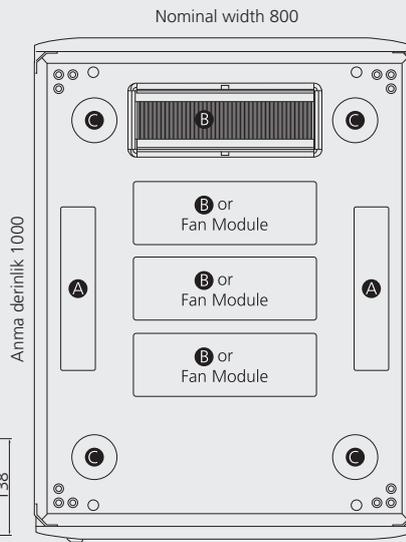
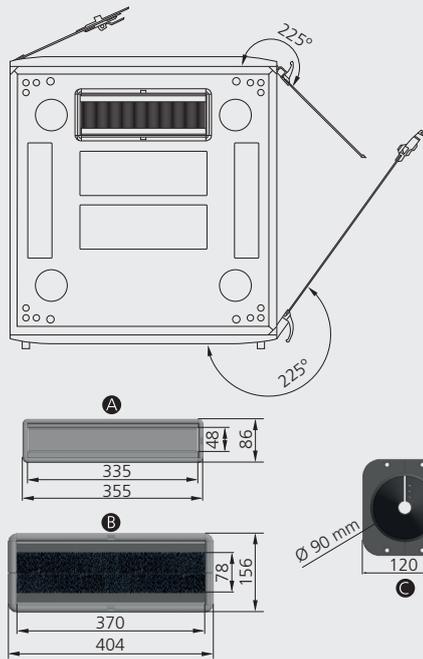
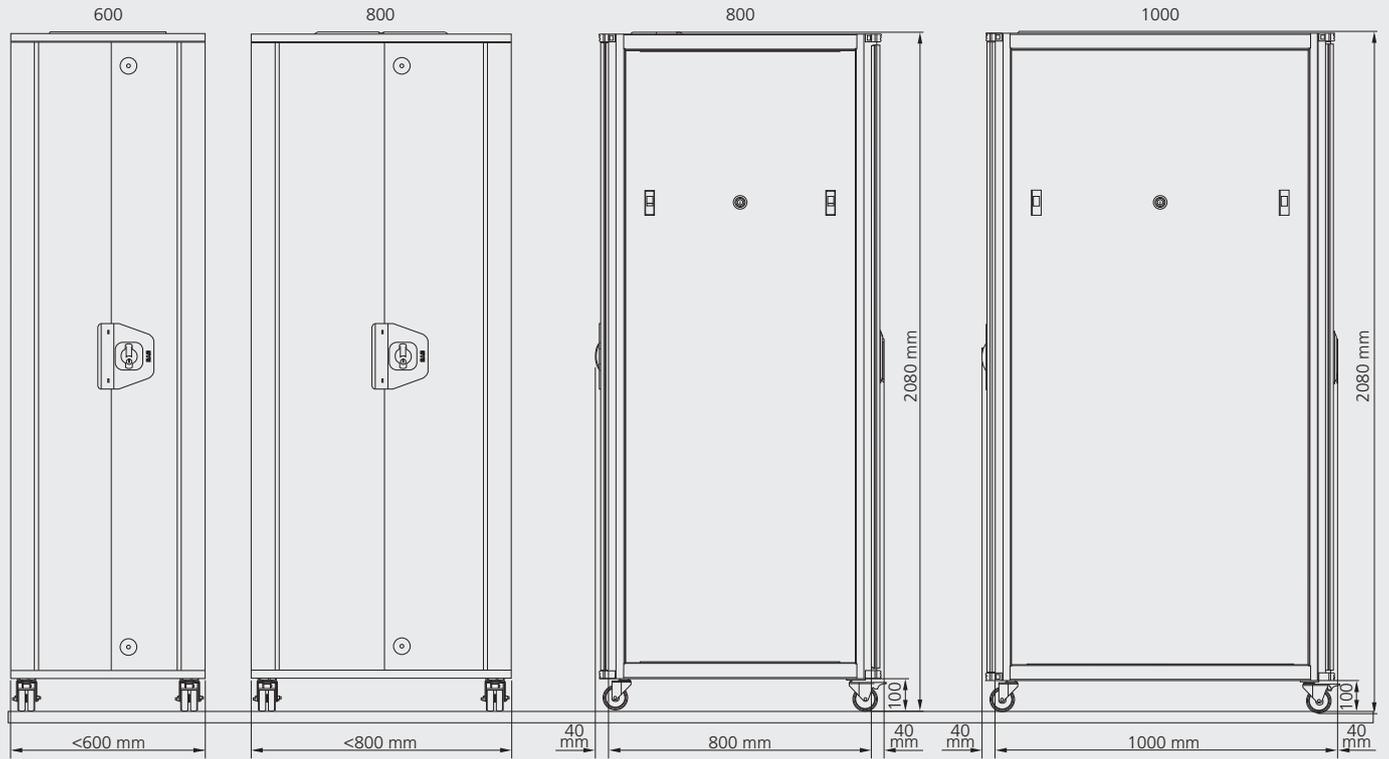
Page 110

Packaging

Page 100

Nominal width

Nominal depth



Top view

Internal bottom view

All dimensions are in mm unless stated.

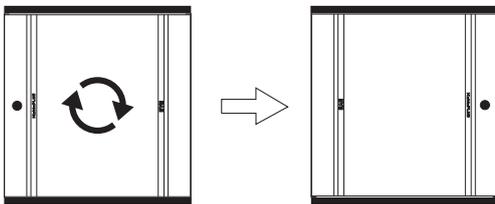
General Features

WALL-MOUNT TYPE DATACOM CABINETS

- Delivered assembled, ready to use
- Mounting bracket enables wall-mounting by a single person
- Single key type for door and side panels
- Impact resistant packaging
- 85% perforated door option
- Standard heights; 7U, 9U, 12U, 16U, 20U

TOOLLESS REVERSIBLE GLAZED DOOR

- Easy removal and replacement of doors with spring hinge pin
- Doors have no removable parts like pins that can be lost during removal
- Secure design only allows removal of the door when the door is unlocked and open



Glazed Front Door

REMOVABLE SIDE PANELS

- Side panels have keyed locks and can be removed for allowing easy access during installation or maintenance.
- Grounding of side panels is ensured automatically by grounding clip attached on the panel so that need for dedicated grounding conductor is eliminated.



Removable side panel



Perforated Front Door

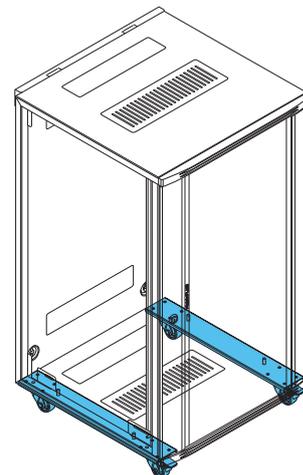
SIMPLE CABLE ENTRY

- Cable entry at top is pre-cut and equipped with cable entry accessory. Symmetrical design allows cable entry from bottom by simply turning the cabinet around.
- Additional cable entry knockouts existing on opposite side and at rear can be used if needed.
- Plastic cable entry accessories prevent damage to the cables entering the entry opening at the edges and can be equipped with brushes.
- Dimensions of cable entry accessory allows 1U patch panel pass through.



MOBILE APPLICATIONS

- Castor set accessory consist of four castors can be fixed at the bottom for convenience in mobile applications.
- Knockouts at the rear of the cabinet can be equipped with additional cable entry grommets when needed.





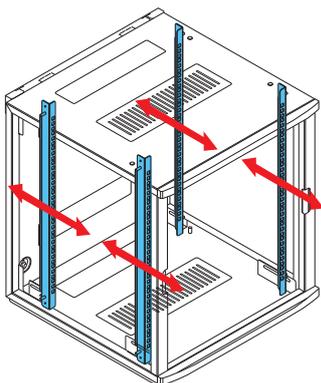
IP55 Solid Metal Door



IP55 - Glazed Door

MOUNTING RAILS

- 19 inch mounting rails can easily be moved backwards if more space at the front of the cabinet is needed.
- Additional 19 inch mounting rails can be used at the back side of the cabinet.



VENTILATION

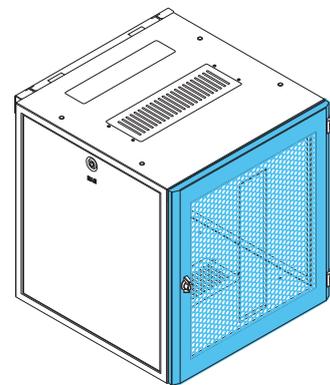
- Ventilation openings on top and at bottom of the cabinet enables natural ventilation.
- When forced ventilation is required, fan module with fan and thermostat can be used.
- Fan module can easily be installed on top and/or bottom of the cabinet after punching-out the ventilation knockout.
- Fan module consists of plastic shutters and carrier body. Together with fans and thermostat it can be fixed onto the cabinet from outside.
- The body of fan module is made of plastic material to prevent unwanted noise caused by vibration of fans.



Fan Module

PERFORATED FRONT DOOR

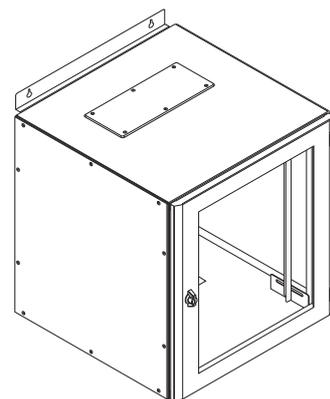
When more ventilation is necessary perforated front door can be used.



Perforated door

IP55 DUST AND WATER RESISTANCE

Where high dust and water resistance is required IP55 models can be used.



IP55 Glazed Door

Features

Glazed Front Door

Perforated Front Door

Glazed Door

Solid Metal Door



IP20



IP20



IP55



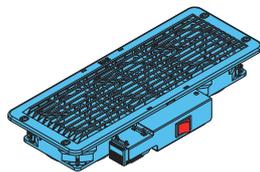
IP55

Standard Features

- Ready-to-use wall-mount cabinet in a single package
- Symmetrically designed body made from welded sheet steel RAL 9005 black epoxy polyester powder painted
- Pair of depth-adjustable mounting rails compliant with EN 60297-3-100 and EIA-310 for mounting 19 inch equipment
- Toolless removable security glass door with spring hinge pin and key lock - key nr.333
- Lockable (key no.333) and removable side panels with selfgrounding metal clips
- Knockouts at bottom and top of the cabinet suitable for fan module installation
- Cable entry accessory fixed at opening on top
- IP20 (Ø12,5 mm) ingress protection according to EN 60529
- IK08 (5 joules) impact protection according to EN 62262
- 3 kg/U -maximum 70kg- static load carrying capacity according to EN 61587-1 standard
- Mounting bracket for fixing on wall
- Unless otherwise stated standard packaging is used. Please refer to page 100 for packaging details.

Most Preferred Accessories

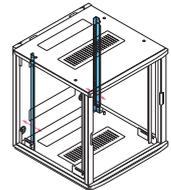
- Fan; module
 - 1, 2 or 3 fan alternatives
 - 155m³/h flow per fan
 - Power input 230V - 50 Hz AC
 - IEC14 socket with 1,5m cord
 - Thermostate 0° - 55°C
 - Illuminated ON/OFF switch
- (For more details please refer to page 95.)



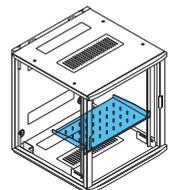
- Cable entry accessory
(Please refer to page 62 for details.)



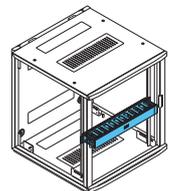
- Additional mounting rail set
(Please refer to page 92 for details.)



- Shelf
(Please refer to page 91 for details.)



- Horizontal cable manager with cover, plastic, 1U or 2U
(Please refer to page 53 for details.)



Rear cable pass-through



ACCESSORIES

Cable anagement accessories

Page 50

Part No system

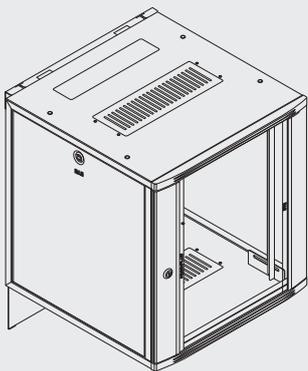
Page 110

Air flow management accessories

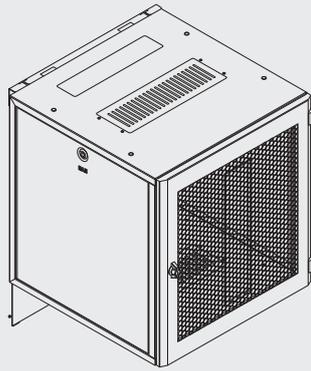
Page 66

Packaging

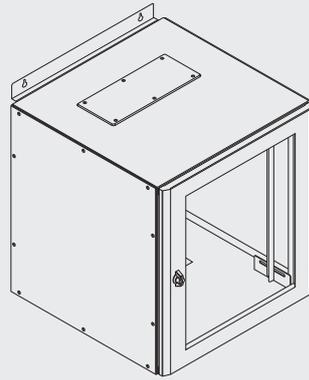
Page 100



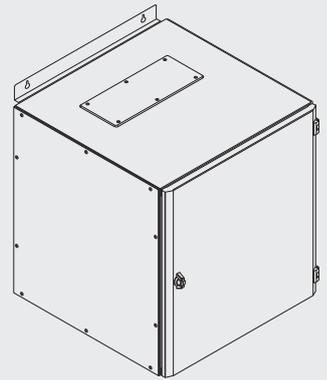
Wall-mount cabinet with glazed door



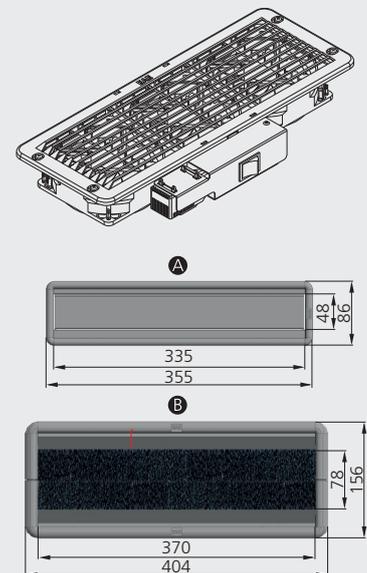
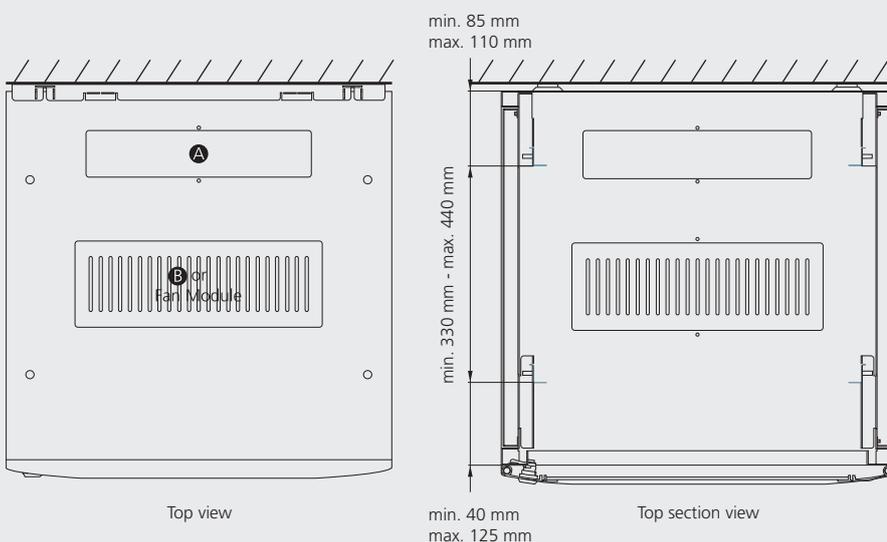
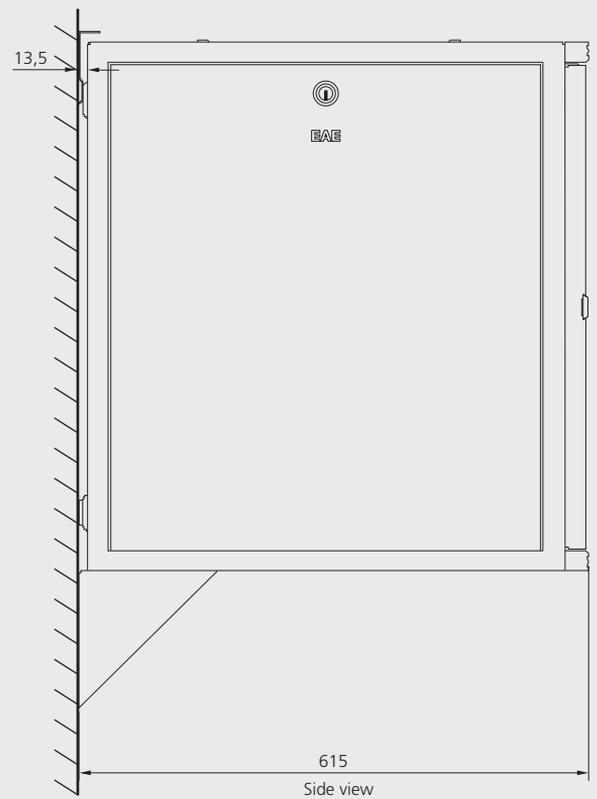
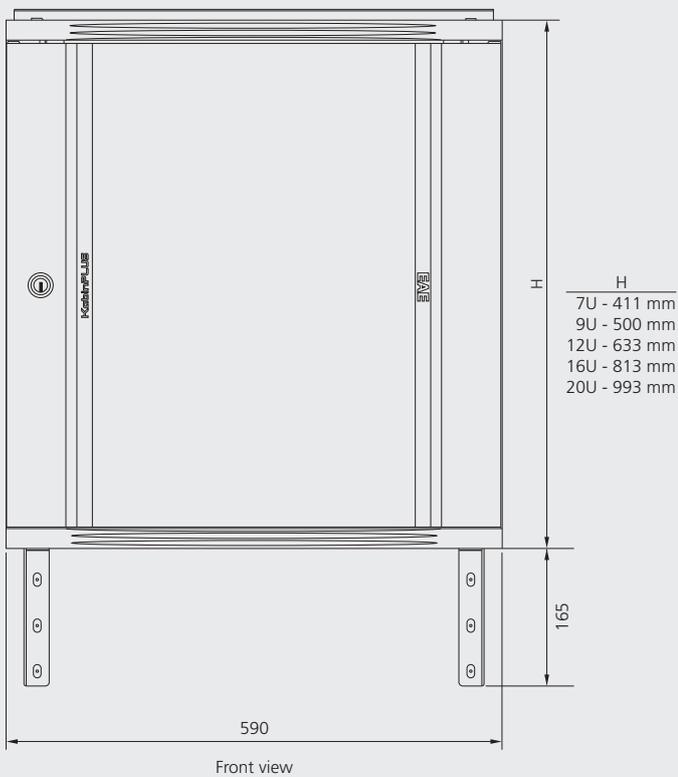
Wall-mount cabinet with perforated door



IP55 Wall-mount cabinet with glazed door



IP55 Wall-mount cabinet with metal door



All dimensions are in mm unless stated.

Edge Computing Cabinets

EDGE COMPUTING CABINETS

Build on the successful KabinPLUS platform, KI Series thermal insulated cabinets are designed to be used with in-rack type coolers to create an edge computing station.

EQUIPMENT OPTIONS

- Uninterruptible power supply unit
- Power distribution panel with metering
- Access control, electronic lock
- Security surveillance
- Basic or intelligent IP PDU
- Environmental monitoring
- Fire monitoring and protection
- Cooling equipment



FRONT AND REAR DOORS

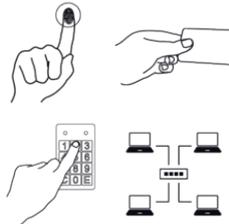
- Glazed front door has a strong frame made of aluminium. The locking mechanism consists four locking points and ensures airtightness with polyurethan foam gasket.

Standard door options

- Aluminium frame glazed front door
- Split solid metal rear door

Locking options

- Combination lock
- Keyed mechanical lock
- Electronic lock
- Electronical lock with keypad
- Electronical lock with card reader
- Electronical lock with remote access control

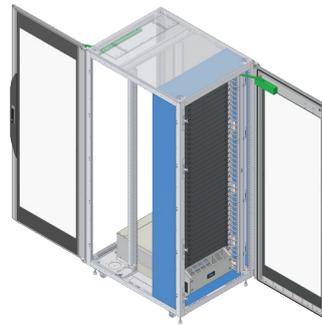


| Edge Computing Cabinets | Entry Configuration | Value Configuration | Premium Configuration |
|-----------------------------------|--|---|---|
| Cabinet Height | 42U - 47U | 42U - 47U | 42U - 47U |
| Cabinet Width | 600 - 800 | 600 - 800 | 600 - 800 |
| Cabinet Depth | 1000 / 1200 | 1000 / 1200 | 1000 / 1200 |
| Available Rack U Space | 28U / 33U | 28U / 33U | 28U / 33U |
| Cooling Capacity | 3kW DX | 4kW DX | 4kW DX |
| Power Supply | 230V / 1P / 50Hz / 16A | 230V / 1P / 50Hz / 16A | 230V / 1P / 50Hz / 32A |
| UPS Capacity | 5kW (6kVA) 5 minutes backup duration | 5kW (6kVA) 5 minutes backup duration | 5kW (6kVA) 5 minutes backup duration |
| Cabinet Power Distribution | Basic PDU, 0U, 16A, 230V, (20) C13 & (4) C19 | Basic PDU, 0U, 16A, 230V, (20) C13 & (4) C19 | Monitored PDU, 0U, 16A, 230V, (18) C13 & (3) C19 |
| Environmental Monitoring | Temp&Hum. Sensor, Door sensor, Smoke Detector, Energy Analyzer, UPS Monitoring, Cooling Monitoring | | |
| Security | Standard Mechanical Lock | ACS, Fire Suppression | ACS, CCTV, Fire Suppression |
| Emergency Door Release | Optional | Optional | Optional |
| Panel PC | None | Optional | Yes |
| Remote Monitoring | Energy, Cooling, Security, Environmental Parameters | | |

THERMAL INSULATED COLD ZONE

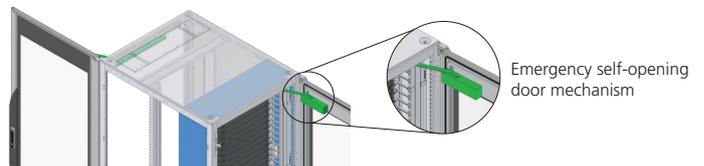
The space between 19 inch equipment front plane and the glass door has been turned into a cold zone with special thermal insulation material used on side walls and upper/lower parts.

In this way, it is ensured that the cold air directed upwards from the bottom of the cabinet by the cooling unit passes only inside active devices.



EMERGENCY SELF-OPENING DOOR

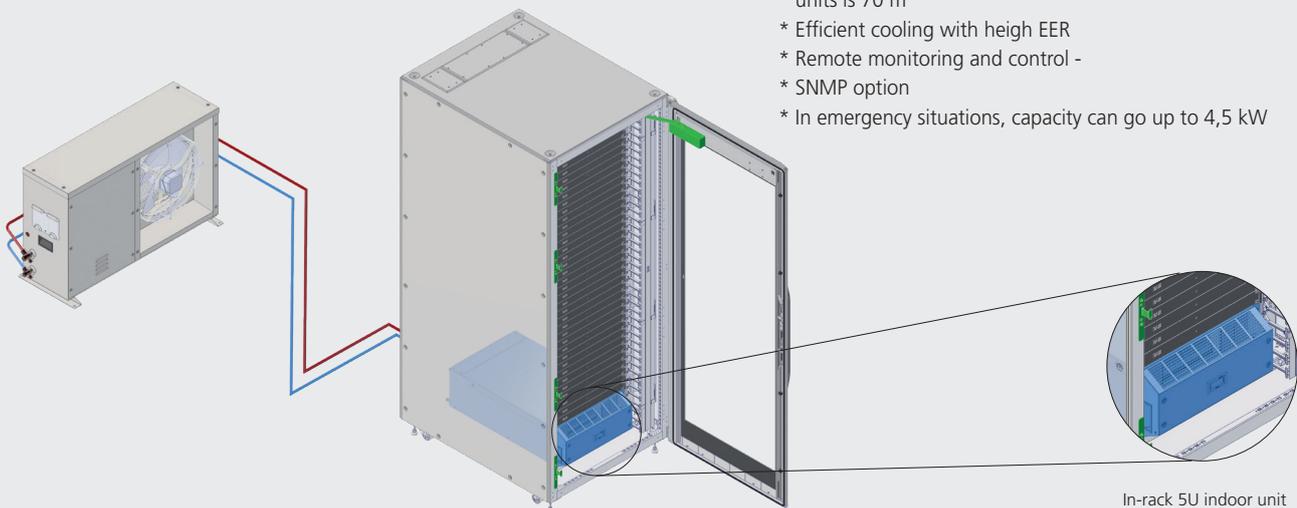
Optionally, the self-opening emergency door system can open the door in emergencies such as power outages using the mechanical energy it has previously accumulated. Thus, servers or other devices installed in the cabinet can continue to cool themselves with the ambient air in the room using their own cooling systems. In this case, the cooling power requirement may not be included in the uninterruptible power supply power capacity.



Emergency self-opening door mechanism

In-Rack Cooling Unit

- * 5U height
- * 3,2 kW and 4 kW DX cooling capacity options
- * Maximum piping length between the indoor and outdoor units is 70 m
- * Efficient cooling with high EER
- * Remote monitoring and control -
- * SNMP option
- * In emergency situations, capacity can go up to 4,5 kW

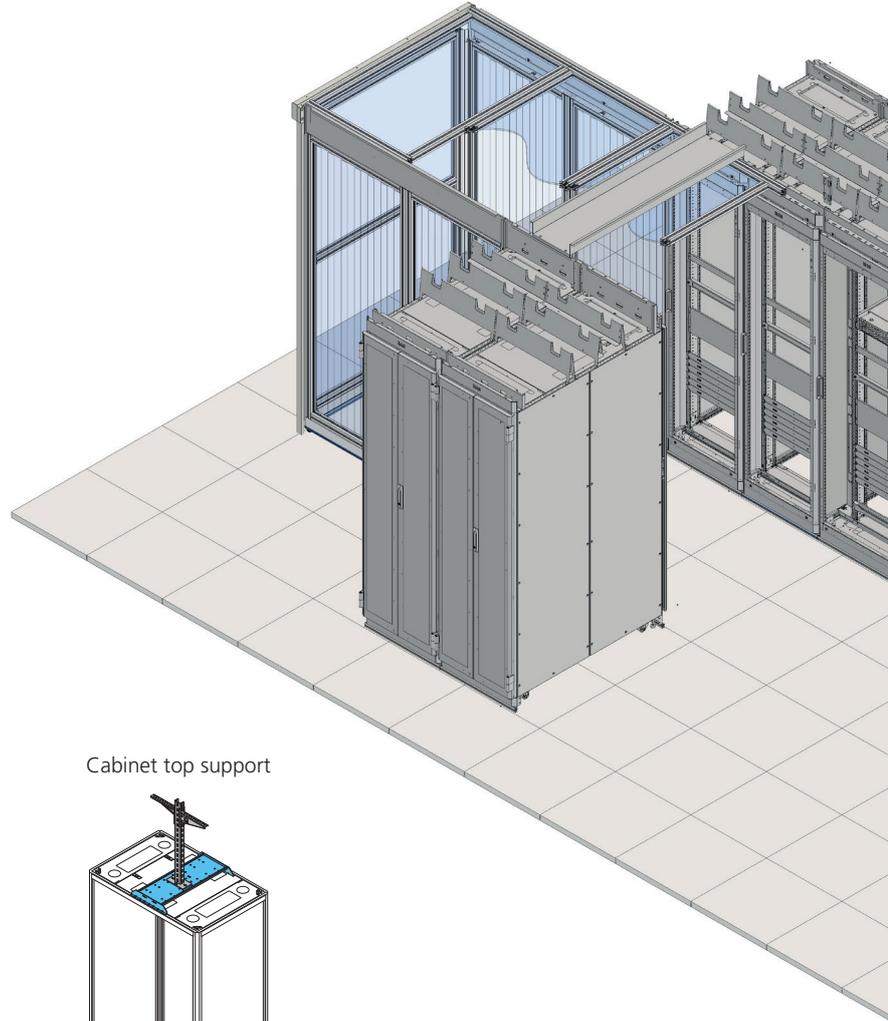


In-rack 5U indoor unit

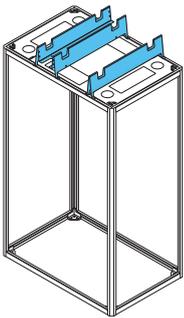
EdgeBLOK POD

Edge Computing POD

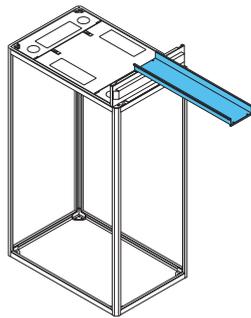
SINGLE-SIDED AISLE APPLICATION



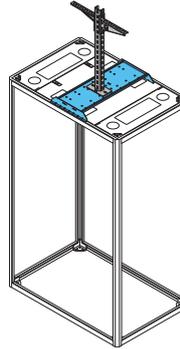
Cabinet top cabling



Aisle crossover



Cabinet top support



Interior sensor



Lock-selectable function programs

Automatic Door

- Parameters can be set by using buttons and fault codes can be seen microprocessor controlled digital display.
- Automatic reverse operation feature of the motor when sensing compression of the wings.
- Safe and silent operation with special toothed belt system
- Gaskets that provide complete cold air sealing in the closed position
- Optional communication with the building automation/access control system

Function programs

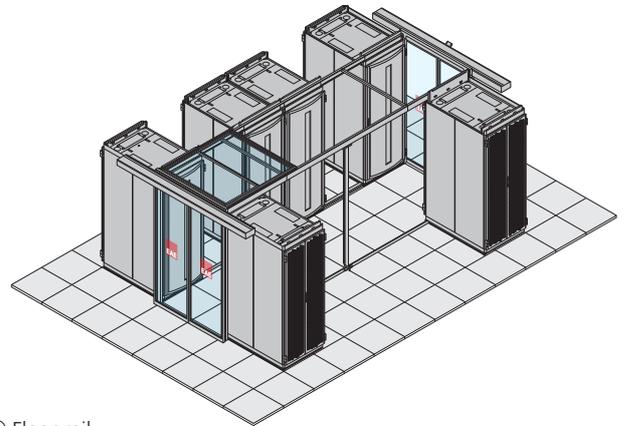
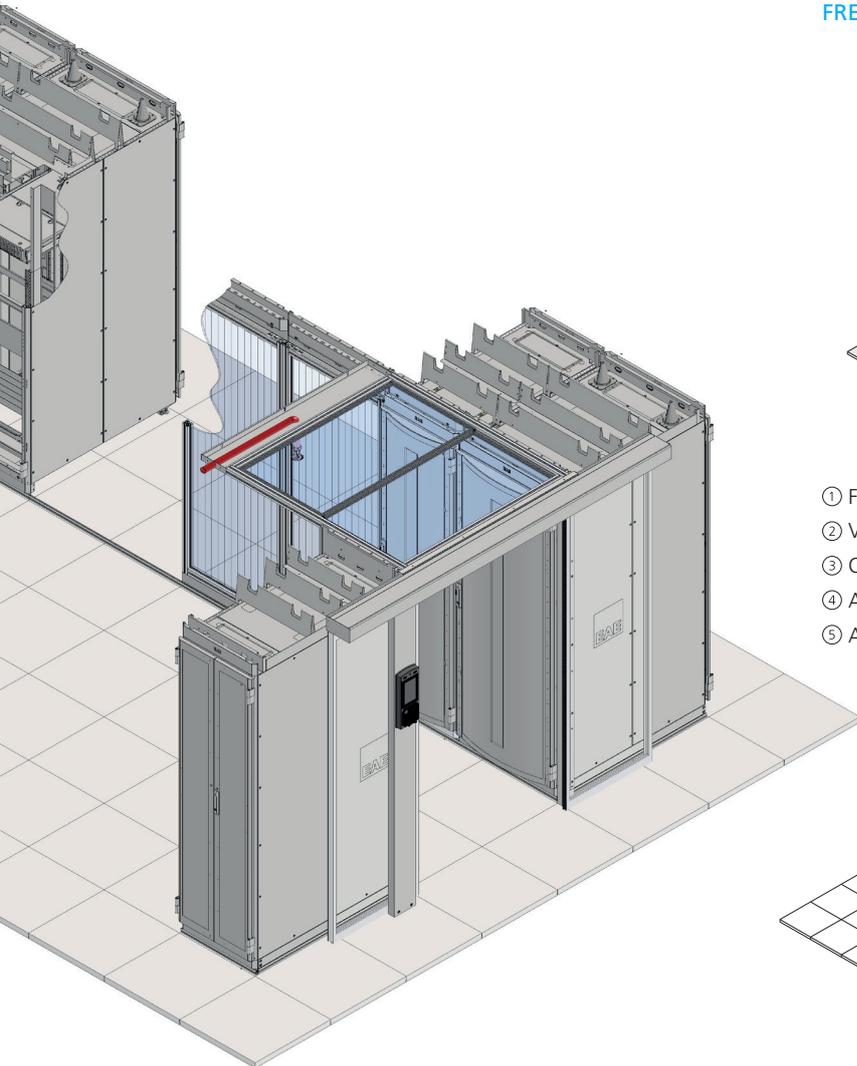
- Locking in open position
- Locking in closed position
- Automatic operation in both directions
- Automatic operation in one direction

Manual Door

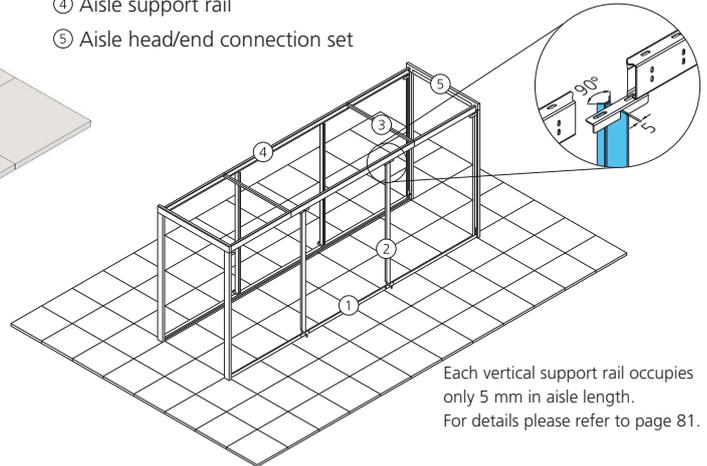
- Double-wing - synchronous operation feature
- Decelerating feature in open and closed end positions
- Door motion - feature that prevents staying in intermediate position
- Gaskets that provide complete cool air sealing in the closed position



FREE-STANDING AISLE CONTAINMENT



- ① Floor rail
- ② Vertical support rail
- ③ Overhead support rail
- ④ Aisle support rail
- ⑤ Aisle head/end connection set

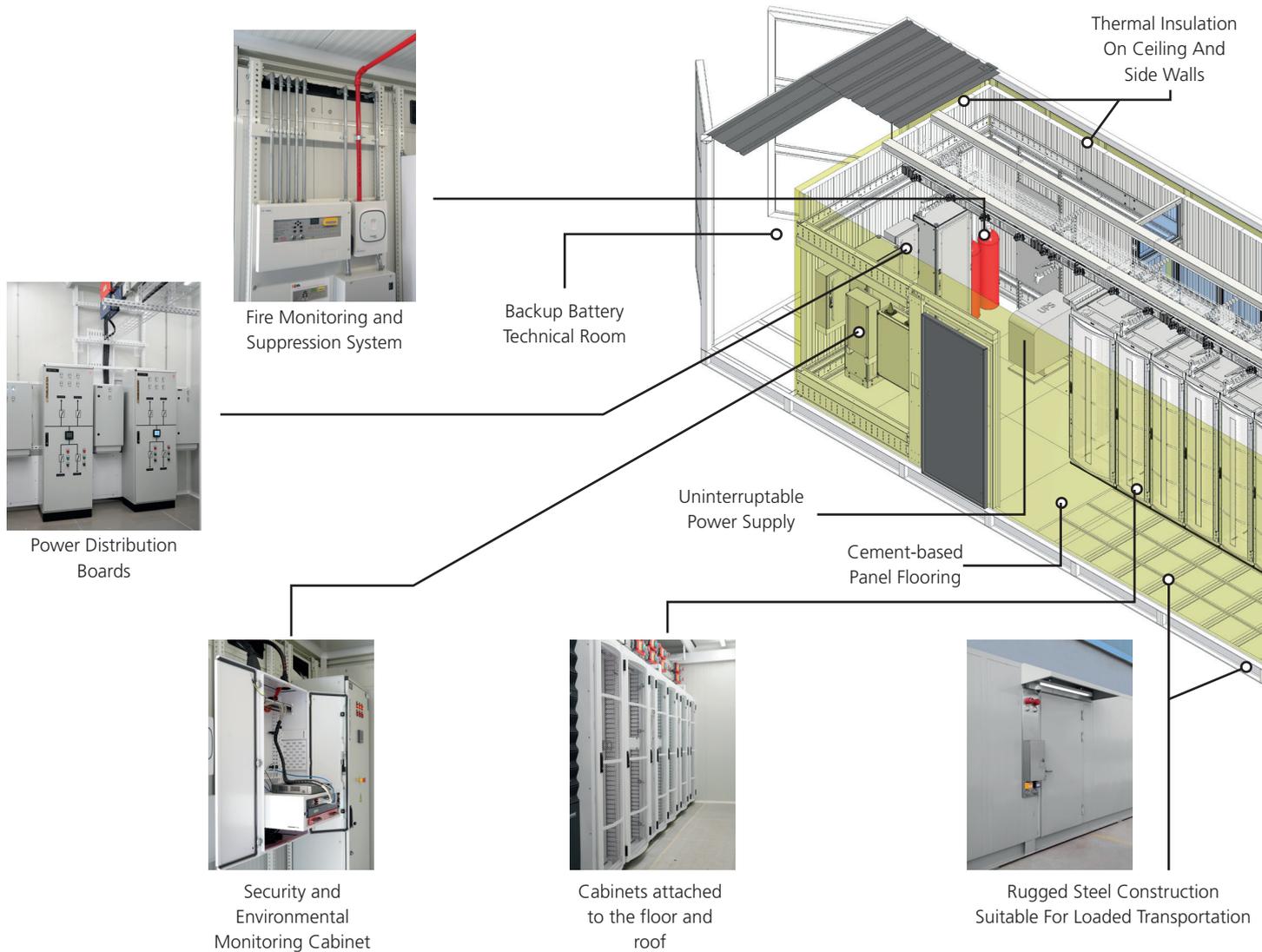


Each vertical support rail occupies only 5 mm in aisle length.
For details please refer to page 81.



EdgeBLOK MOD

ALL-IN-ONE Container



ALL-IN-ONE Container

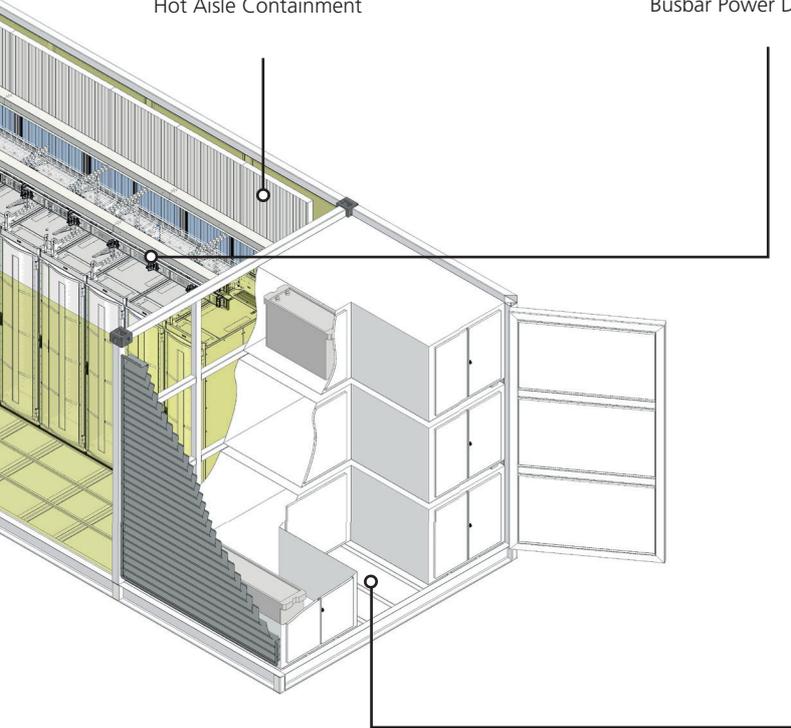
| | | 20kW IT Load | 100kW IT Load | |
|-------------------------------|--------------------------|-----------------------------------|--|--|
| | | ISO 40"HC - High Cube | NON-ISO | |
| STRUCTURAL FEATURES | External Dimensions (mm) | Length | 12192 | |
| | | Width | 2438 | |
| | | Height | 2896 | |
| | Number of Cabinets | 4 (2 Network + 2 Server) | 10 (2 Network + 8 Server) | |
| | Cabinet Height / Depth | 42U - 47U / 1200 mm | | |
| ELECTRICAL FEATURES | Cooling Topology | Cooling System | Fan-Wall / Hot Aisle Containment | |
| | | Cooling | N | 20kW |
| | | N+1 | 20kW + 20kW | 55kW + 55kW + 55kW |
| | | per Cabinet | 5kW | 10kW |
| | Power Distribution | Main Distribution Boards, A and B | 400V AC, 3 Phase, 50 Hz - 230V | 400V AC, 3 Phase, 50 Hz - 230V, Busbar |
| EMERGENCY BACKUP - UPS | Capacity | 25kW | 125kW | |
| | Backup Time | 30 minutes | 30 minutes | |
| | Redundancy | N+1 | N+1 | |
| FIRE SECURITY | Fire Security | Suppression | Novac 1230 | |
| | | Detection | Smoke and Air Quality Sensors / VESDA - Optional | |
| SECURITY | Fire Rating | Duration | 120 minutes | |
| | Access Control System | White Space Door | Biometrical- Palm Vein, Cabinets and Technical Room Doors (Optional) | |
| | Env. Monitoring System | White Spae | CCTV and Temperature/Humidity, Smoke and Water Leakage Sensors | |



Hot Aisle Containment



Busbar Power Distribution

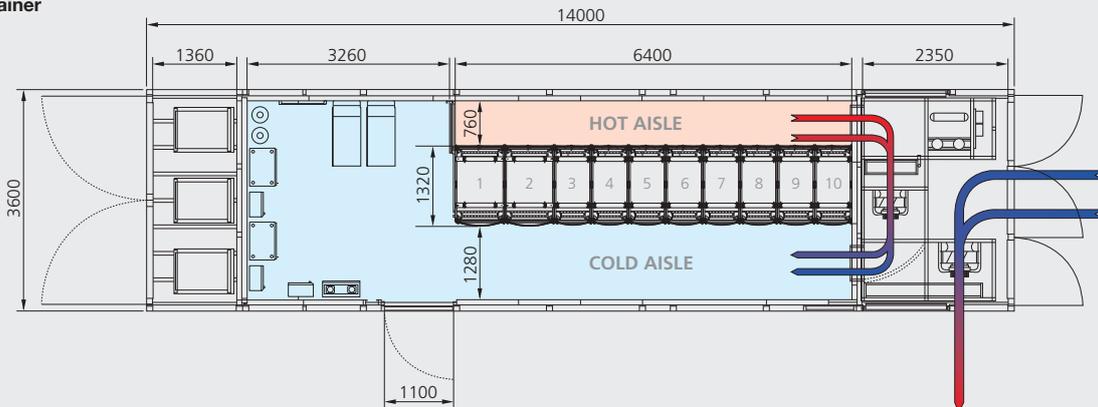


Cooling System
Technical Room

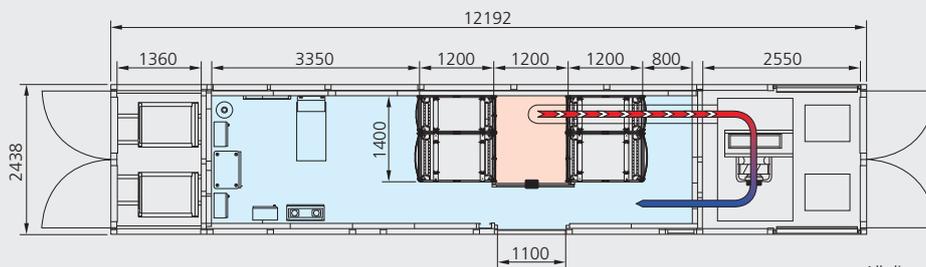


Ready for shipment; after all internal installation and commissioning works

Non-ISO Container



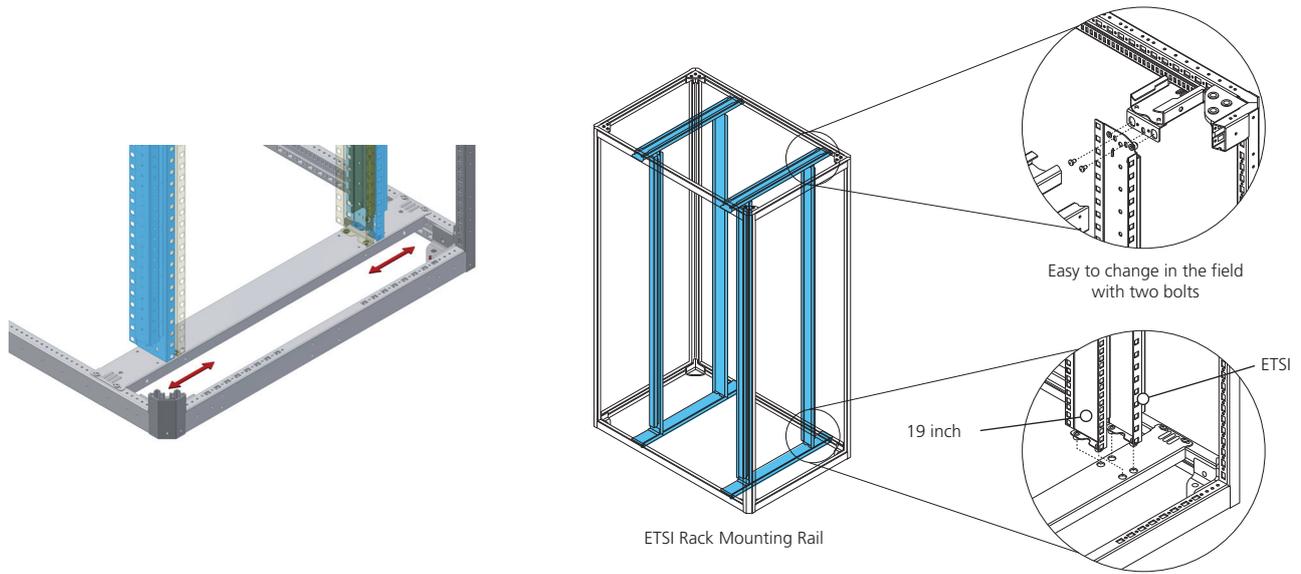
40ft High Cube ISO Container



All dimensions are in mm unless stated.

Custom Design Cabinets

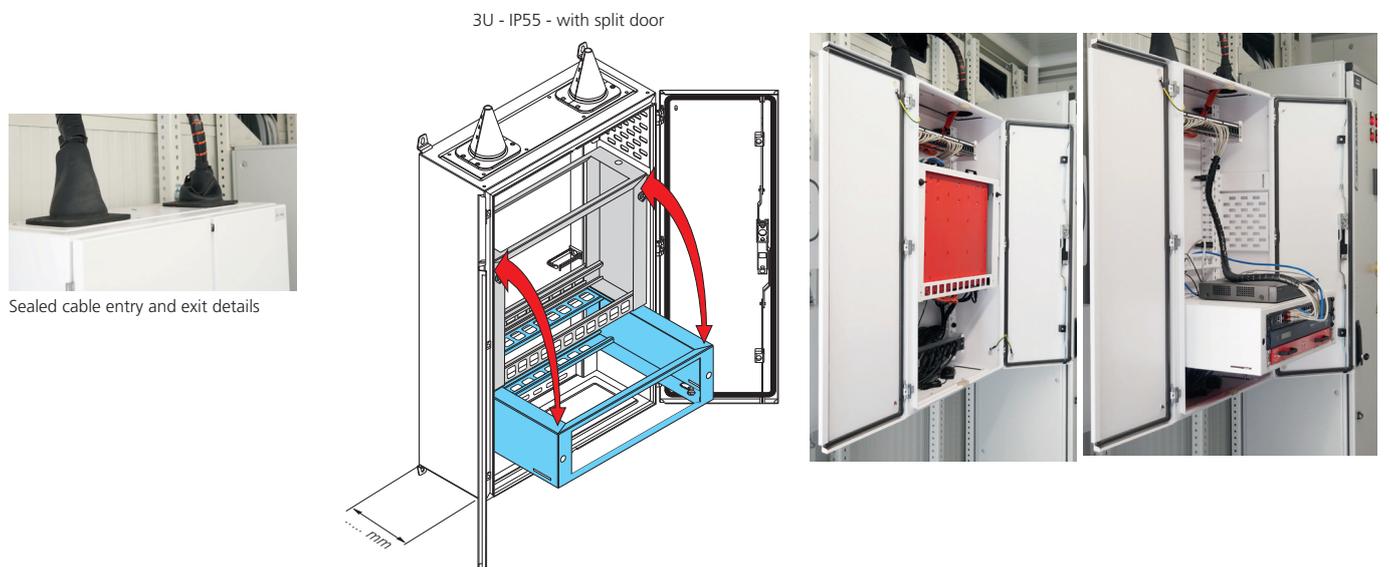
CUSTOM ETSI and 23 INCH RACK APPLICATIONS



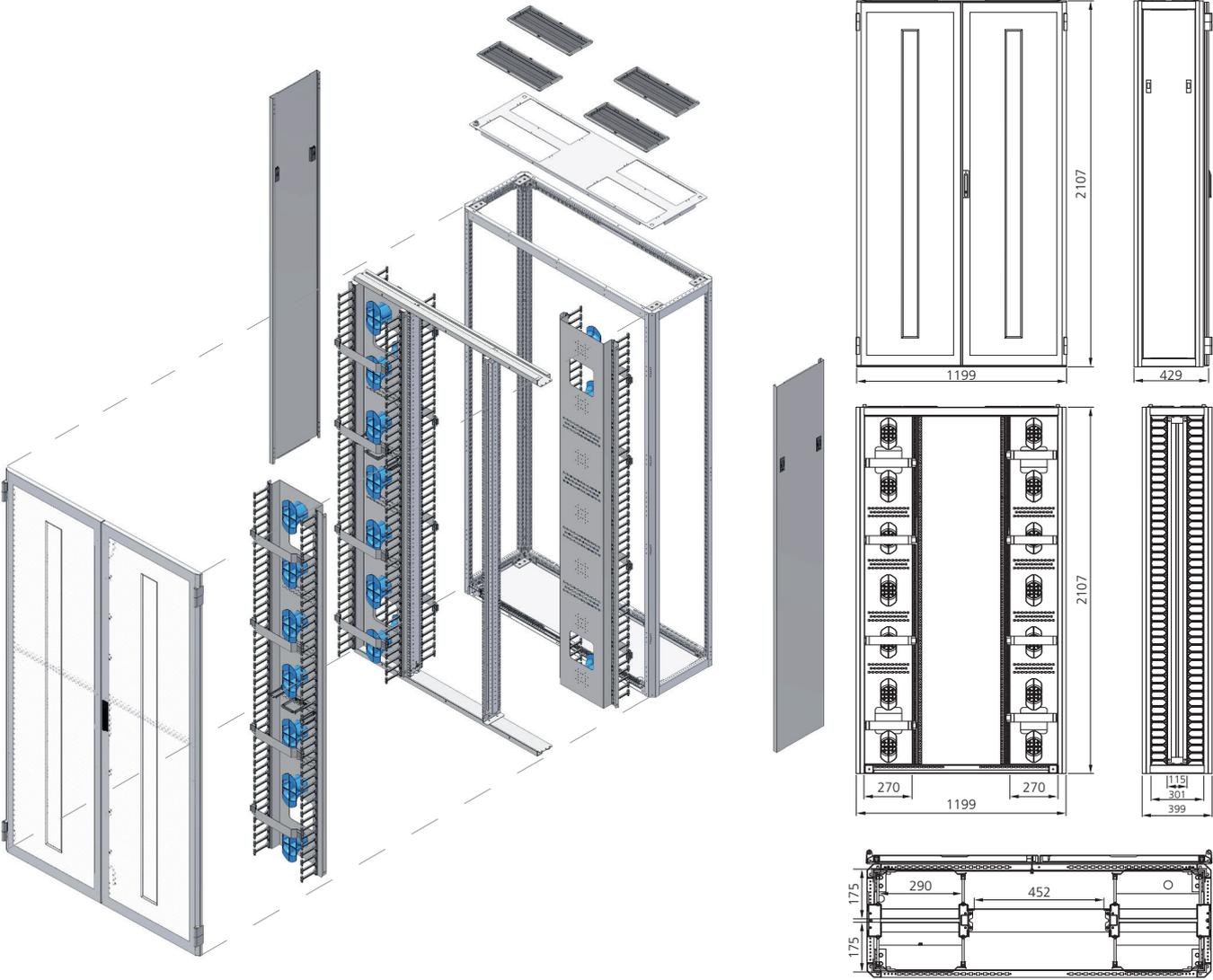
CUSTOM OUTDOOR CABINETS



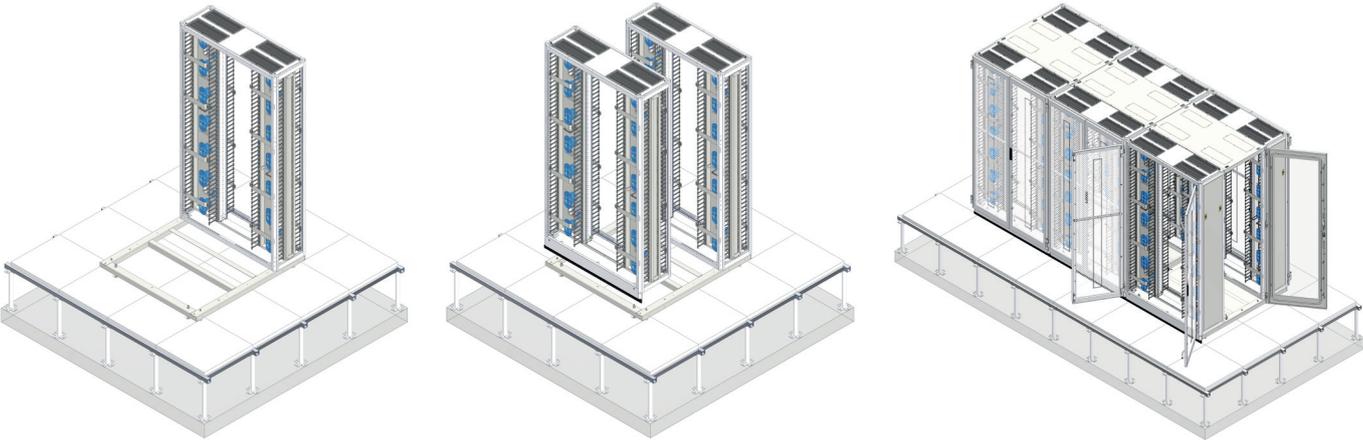
CUSTOM INDUSTRIAL DUSTY ENVIRONMENT CABINETS



CUSTOM TELECOMMUNICATION CABINETS AND AISLE CONTAINMENT SOLUTIONS

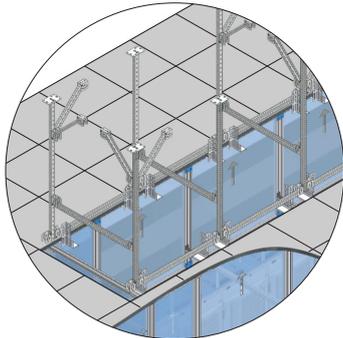
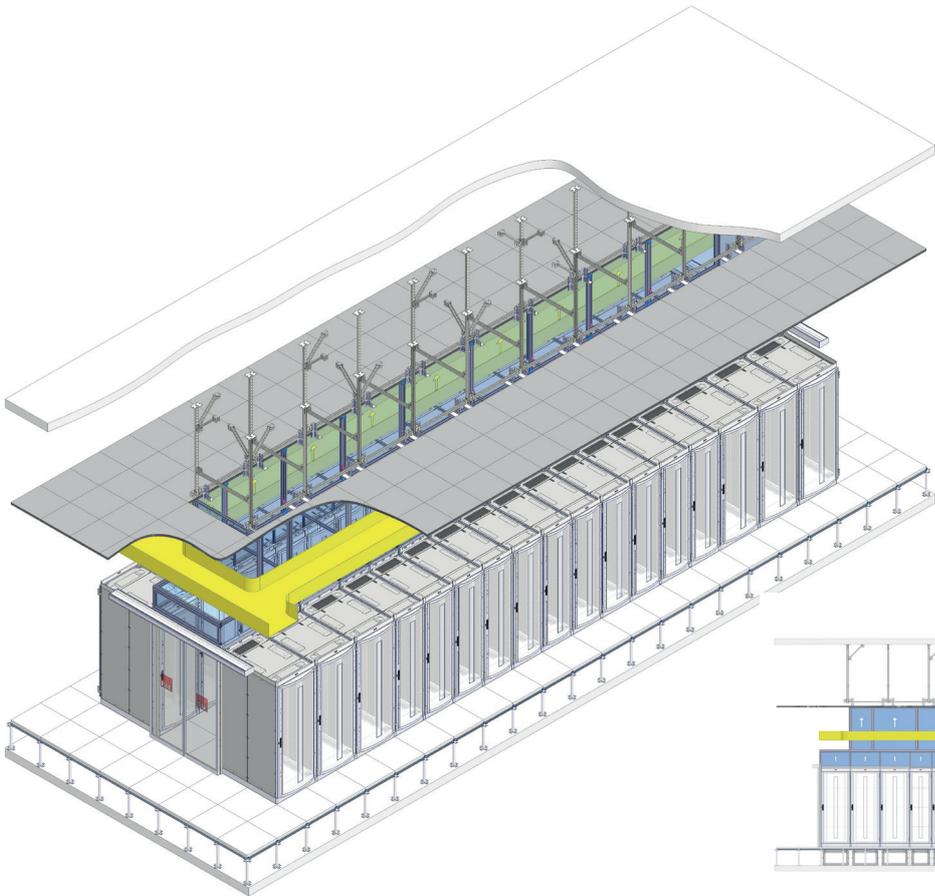


FRAME AISLE CONTAINMENT APPLICATION

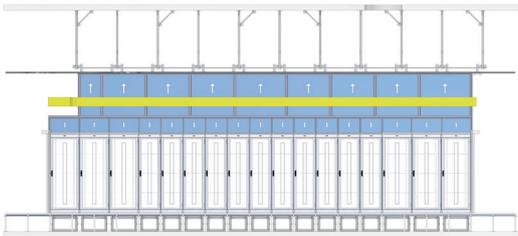


Engineering Services

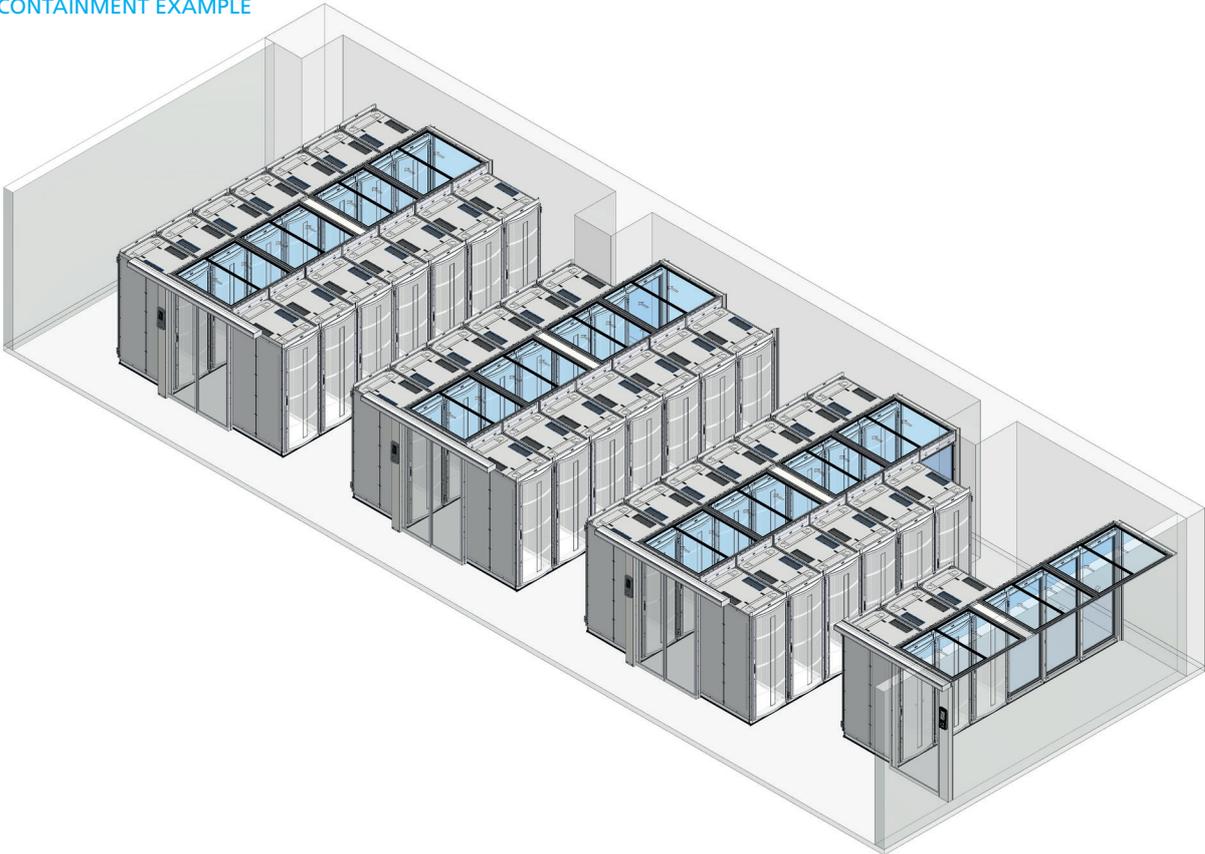
HOT AISLE CONTAINMENT EXAMPLE



Seismic Support Design



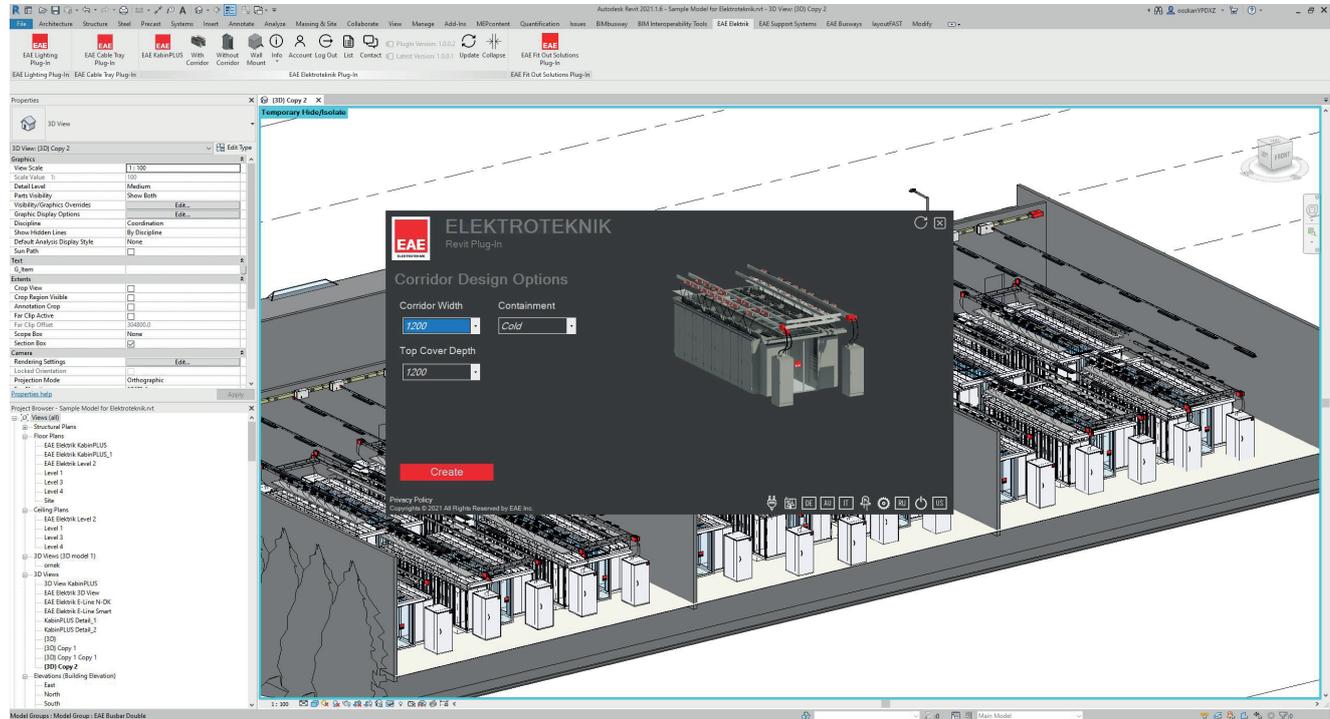
COLD AISLE CONTAINMENT EXAMPLE



EAE ELEKTROTEKNIK REVIT PLUG-IN

You can download from below link

<https://eaelektrotechnik.com/en/support/bim-building-information-modeling/>



1 Plan View
1:1

2 KabinPLUS Detail_1

3 KabinPLUS_Render_1
1:1

4 KabinPLUS_Render_2
1:1

5 KabinPLUS Detail_2

| EAE Elektrotechnik | | | | | | | | | |
|---|-------|-------------|-----------------|--------|------------------------|--------------|---------------------|--------------------------|--------------|
| Company Page | Cont. | EAE Elektro | Electrical Data | Family | Family and Type | Manufacturer | On-site Part Number | On-site Part Title | Type |
| www.eaelektrotechnik.com/en/revit/ | BD | EAE Elektro | 0-Volt-DV4 | EAE-ET | 0-Volt-ET-10-REINIGUNG | 02-30-0020 | 02-30-0020 | REINIGUNG 4-POLIG 0-VOLT | 10-REINIGUNG |
| www.eaelektrotechnik.com/en/revit/ | BT | EAE Elektro | 0-Volt-DV4 | EAE-ET | 0-Volt-ET-10-REINIGUNG | 02-30-0020 | 02-30-0020 | REINIGUNG 4-POLIG 0-VOLT | 10-REINIGUNG |
| Grand Total: 210 | | | | | | | | | 10-REINIGUNG |

| OWNER | | EAE ELEKTROTECHNIK | |
|-------|-------------|--------------------|----------|
| NO. | DESCRIPTION | DATE | REVISION |
| | | | |
| | | | |
| | | | |
| | | | |

| | | | |
|--|--------------|--------------------|-----------------------|
| Project Name Enter address here EAE Elektrik - KabinPLUS | SCALE 1:1 | DATE 2024-10-10 | REVISION 0001-A102 |
|--|--------------|--------------------|-----------------------|

Access Control Systems

ACCESS CONTROL SYSTEMS

Controlling access to data cabinets is of great importance in order to ensure physical security in data centers and system rooms.

For this purpose, KabinPLUS product platform offers physical security solutions that require the user to follow predefined security protocol procedure.

AISLE LEVEL ACCESS CONTROL

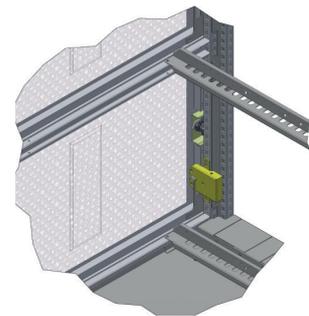
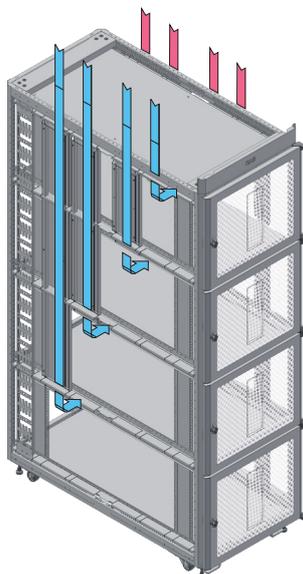
Especially in multi-tenant rooms, one more access control layer can be added at aisle entrance



Access control unit at aisle door

ACCESS CONTROL AT COMPARTMENT LEVEL

KL Series colocation cabinets door design provides cost effective, remote controlled access control at front and rear side of each or selected compartments.



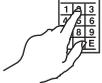
Latch type electronic lock



Inside view while door closed

ACCESS CONTROL AT CABINET LEVEL

KabinPLUS is cooperating with different access system specialist manufacturers to provide project-specific access solution.

| BRAND |  CarD Reader |  Keypad |  Iris |  Palm Vein |  Face Recognition |  Finger Print | Access Management Software |
|-------------------------------|--|---|---|--|---|---|----------------------------|
| ASSA-ABLOY Sweden | ● | | | | | | ● |
| DIRAK Germany | ● | ● | | | | | ● |
| EMKA Germany | ● | ● | | | | | ● |
| FATH Germany | ● | ● | | ● | | | |
| ONES Turkiye | ● | ○ | ○ | ● | ● | ○ | ● |
| SOUTHCO USA | ● | | | ● | | | |
| YEEKA China | ● | ● | | | | | |
| MESAN ESSENTRA Turkey / UK | ● | ● | | | | | ● |

● Original hardware and original software

○ 3rd party hardware and own software



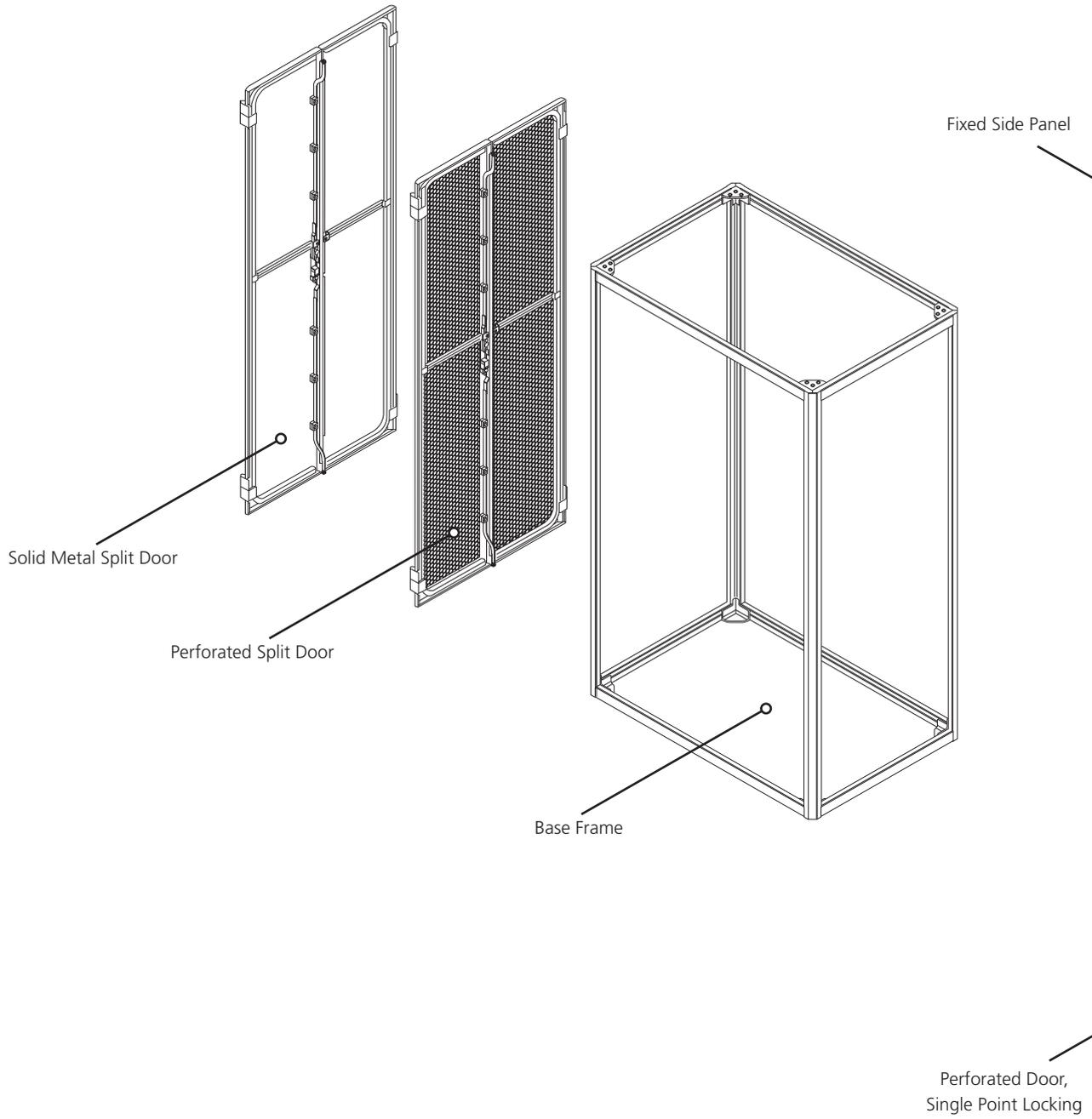
Electronic lock handles with keypad, card, finger print readers

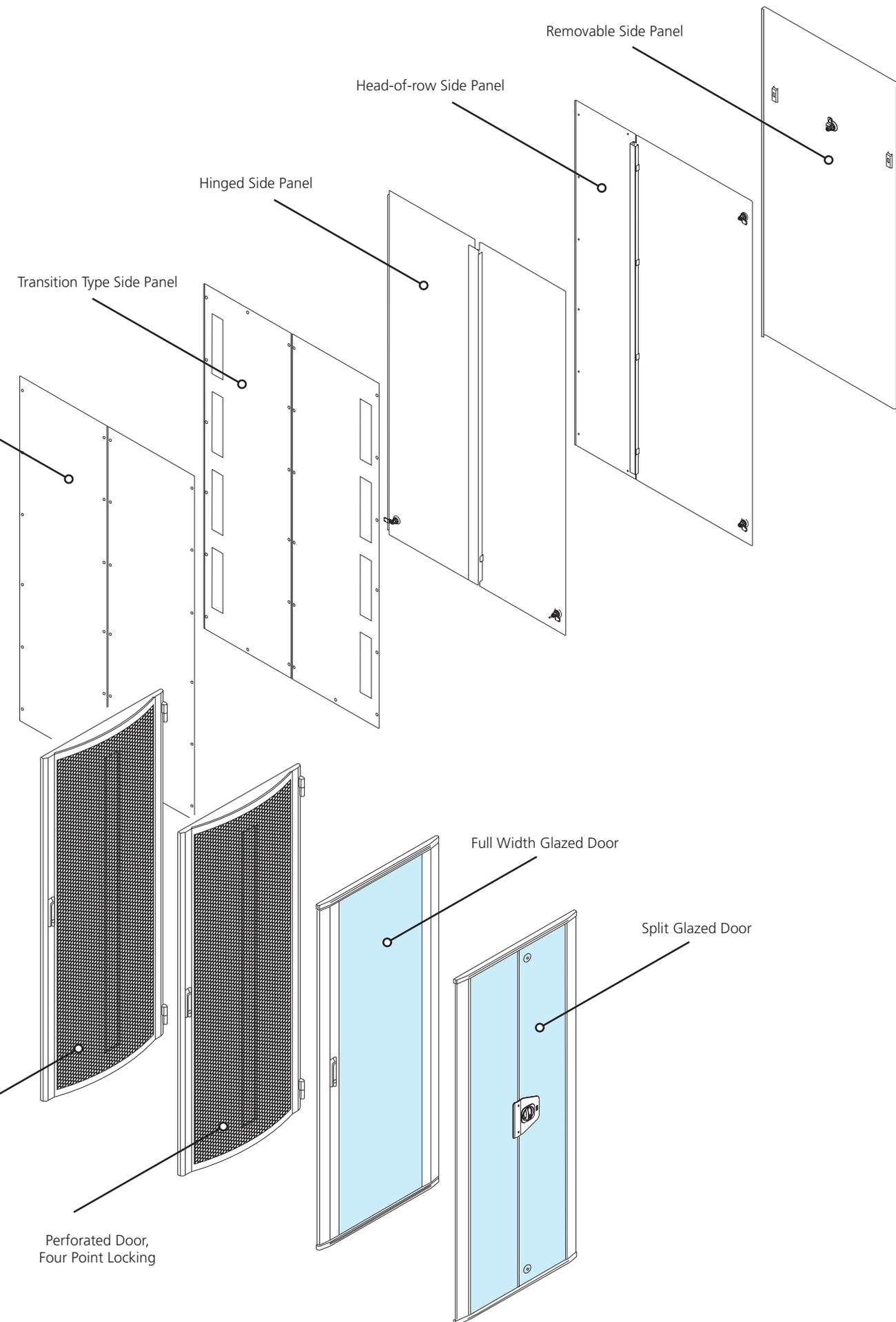


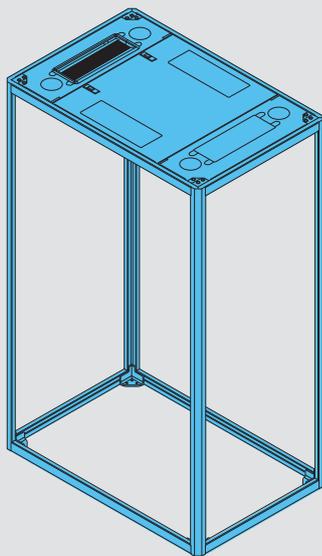
Face recognition, palm vein, iris and card readers

Options

Door and Side Panel Options







KD BF

Base Framework

The base framework forms the carrier structure of the cabinet. It is manufactured entirely from 2 mm thick steel sheet.

Material : Galvanized sheet metal
 Finish : Painted
 Standard Delivery : 1 pcs Base framework
 1 pcs Brushed cable entry framework
 1 pcs Fixing kit

| Part No | Description | Height (mm) | Width (mm) | Depth (mm) |
|------------------------------------|----------------|------------------|------------------|-------------------------|
| KD BF HH WW DD CC | Base Framework | 42U, 47U | 600, 800 1000 | 800, 1000 1100, 1200 |
| KD BS HH WW DD CC | Base Framework | 42U, 47U | 600, 800 1000 | 800, 1000 1100, 1200 |
| KS BF HH WW DD CC | Base Framework | 42U, 47U | 600, 800 1000 | 800, 1000 1100, 1200 |
| KR BF HH WW DD CC | Base Framework | 26U, 36U, 42U | 600, 800 | 600, 800 1000 |

*HH: Height

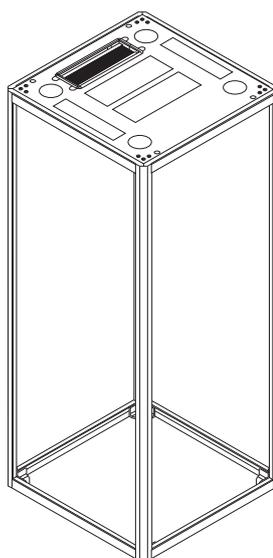
*WW: Width

*DD: Depth

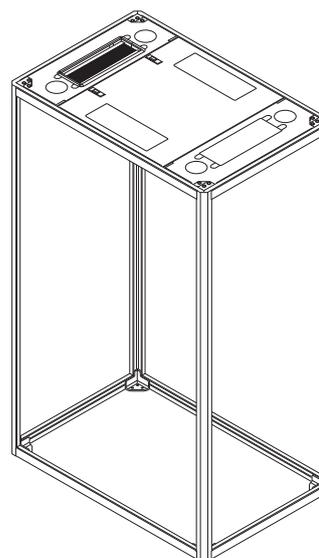
*CC: Color, BK: RAL 9005 Black; WH: RAL 9003 White

**CC: Please contact your sales rep for different color alternatives.

*** Please refer to page 110 for part number details.



KR BF 42U 08 08



KD BF 42U 08 12



Base framework

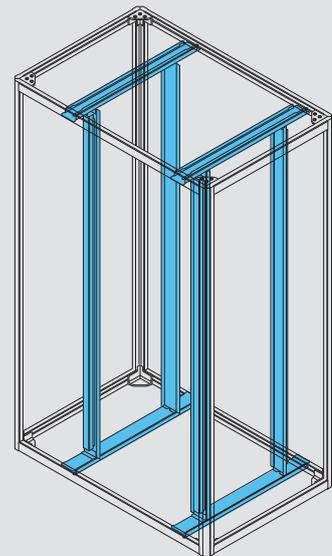
19 Inch Mounting Rail Sets

19 inch mounting rail sets are designed for mounting various information technology devices. They also allow installation of various accessories within the cabinet.

- Material : Galvanized sheet metal
- Finish : Painted
- Standard Delivery : 4 pcs 19 inch Rails
- 4 pcs Support rails
- 1 pcs Fixing kit

| Part No | Description | Height (mm) | Width (mm) |
|-------------------|--|--------------------|----------------|
| KP MS HH WW CC | 19 Inch Mounting Rail Set (Standard type) | 26U, 36U, 42U, 47U | 600, 800, 1000 |
| KP MS HH WW LF CC | 19 Inch Mounting Rail Set (Slider type) | 42U, 47U | 600, 800, 1000 |
| KP MS HH WW WG CC | 19 Inch Mounting Rail Set (Mechanism type) | 42U, 47U | 600, 800, 1000 |

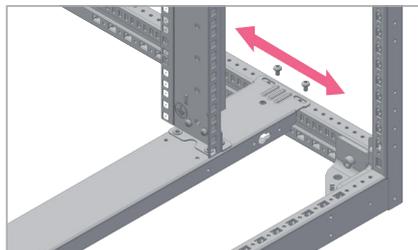
- *HH: Height
- *WW: Width
- *CC: Color, BK: RAL 9005 Black; WH: RAL 9003 White
- **CC: Please contact to sales for different color alternatives.
- *** Please refer to page 110 for part number details



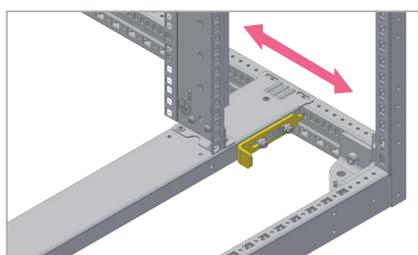
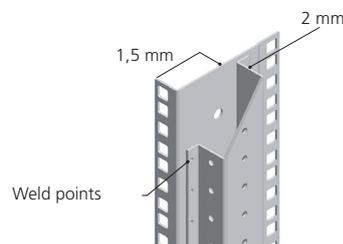
KP MS



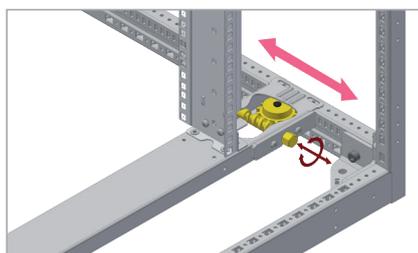
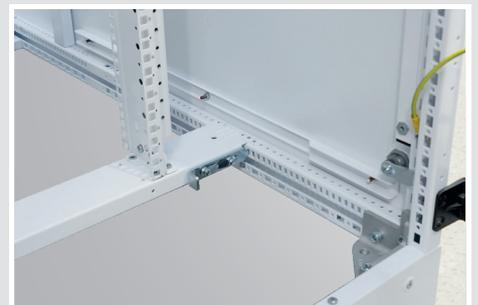
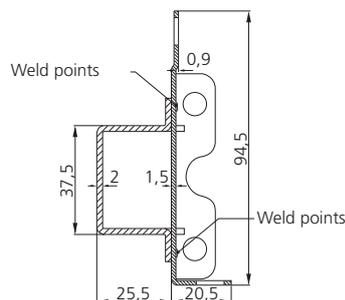
U marking for each height unit on both front and rear mounting rails, white marking on black rails and black marking on white rails.



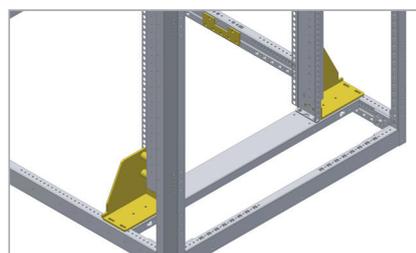
Standard type - Continuous, stepless adjustable.



Slider type - Adjustable by 10mm steps

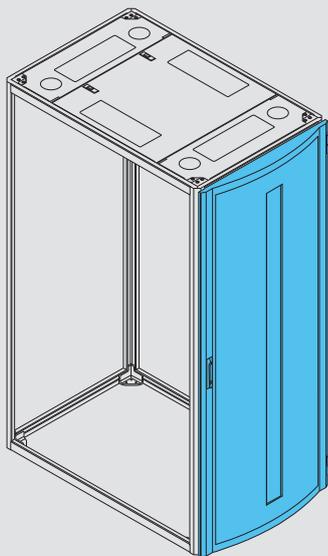


Mechanism type - Continuous, stepless adjustable, even when loaded



Seismic reinforced support rail. For more details pl. refer to page 98.





KP OK

Doors

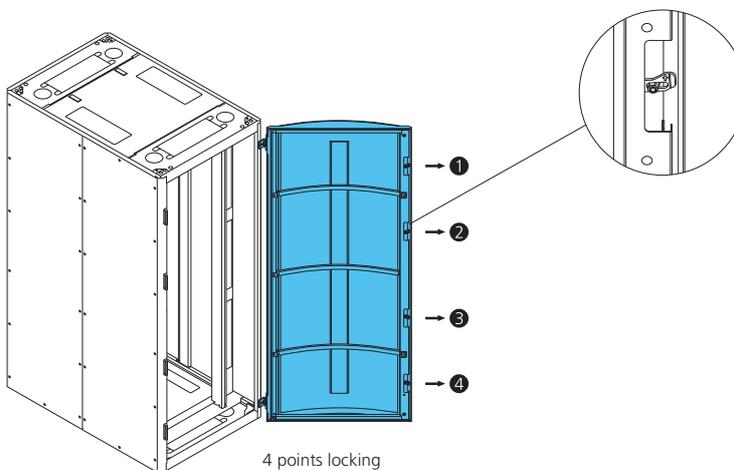
Perforated doors provide maximum airflow with 85% perforation rate

- Ability to open 160 degrees even when cabinets are positioned side by side
- Toolless detachable and attachable
- Earthing continuity ensured by cable with plug-in terminal

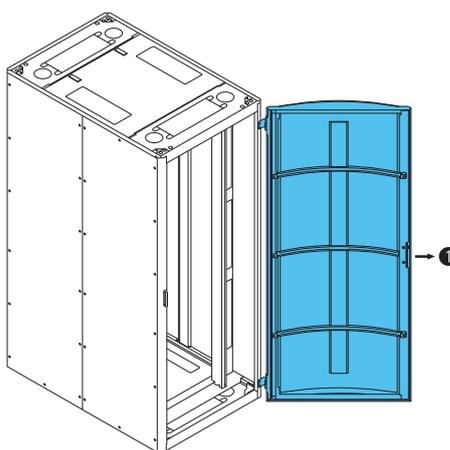
Material : Galvanized sheet metal
 Finish : Painted
 Standard Delivery : 1 pcs Perforated door (assembled to the cabinet)
 1 pcs fixing kit

| Part No | Description | Height (mm) | Width (mm) |
|--------------------------------------|---|-----------------------|-------------------------------|
| KP OK HH WW P N1 CC | Door - Front/Rear, %85 Perforated, Single opening, Curved, Single Point Locking | 26U, 36U, 42U, 47U | 600, 800 |
| KP OK HH WW P N4 CC | Door - Front/Rear, %85 Perforated, Single opening, Curved, 4 Points Locking | 42U, 47U | 600, 800, 1000 |
| KP OK HH WW P CC | Door - Front/Rear, %85 Perforated, Split type, 2 Points Locking | 26U, 36U, 42U, 47U | 300+300 400+400 500+500 |

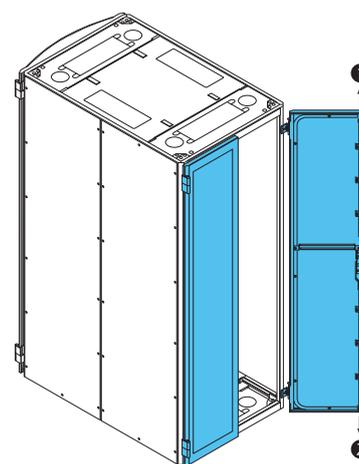
*HH: Height
 *WW: Width
 *CC: Color, BK: RAL 9005 Black; WH: RAL 9003 White
 **CC: Please contact to sales for different color alternatives.
 *** Please refer to page 110 for part number details



4 points locking



Single point locking



2 points locking



Perforated door

Solid metal doors are designed as split type and for use at the rear side of the cabinet.

- Glazed doors are in split type or full width, single opening type

Material : Tempered glass (4 mm)
Aluminum profiles

Standard Delivery : 1 pcs glazed or metal door (attached to the cabinet)
1 pcs fixing kit

| Part No | Description | Height (mm) | Width (mm) |
|-----------------------------------|--|-----------------------|-------------------------------|
| KP OK HH WW S CC | Solid Metal Door - Front/Rear, split type, 2 Points Locking | 26U, 36U, 42U, 47U | 300+300 400+400 500+500 |
| KP OK HH WW G | Glazed Door- Front/Rear, Double Opening, Single Point Locking | 26U, 36U, 42U | 600, 800 |
| KP OK HH WW G | Glazed Door- Front/Rear, Split type, 2 Points Locking | 26U, 36U, 42U | 300+300 400+400 |

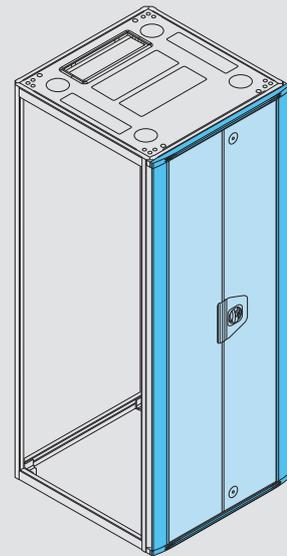
*HH: Height

*WW: Width

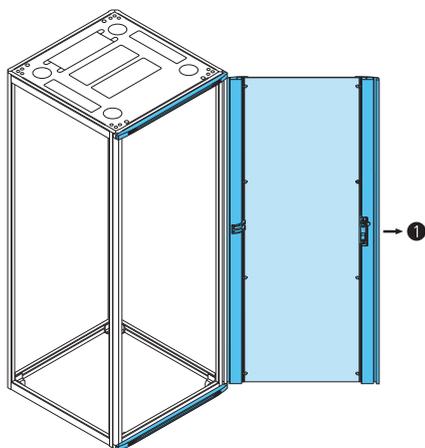
*CC: Color, BK: RAL 9005 Black; WH: RAL 9003 White

**CC: Please contact to sales for different color alternatives.

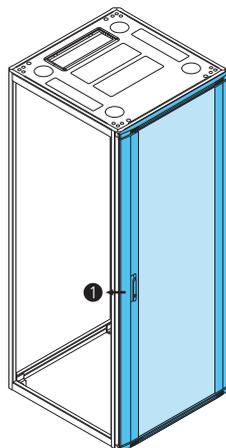
*** Please refer to page 110 for part number details



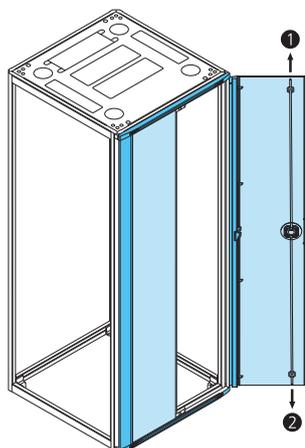
KP OK G



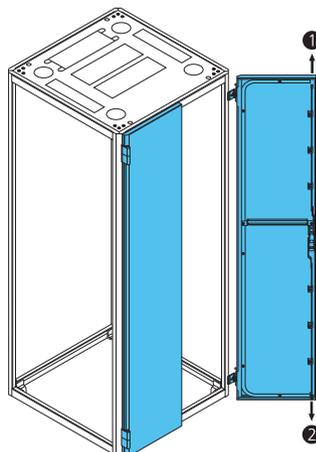
Single point locking



Single point locking



2 points locking

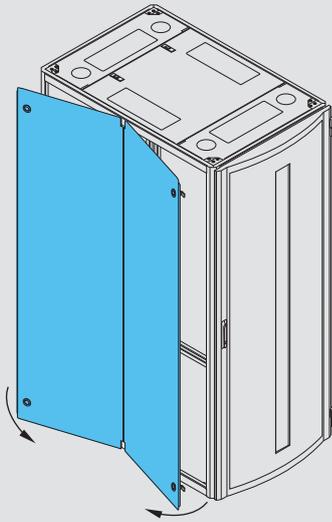


2 points locking



Split glazed door

Side Panels



KP SP H

- Side panels are designed to be self-grounded during installation
- When side panels are fixed on the cabinet, they do not prevent the cabinets bayed together

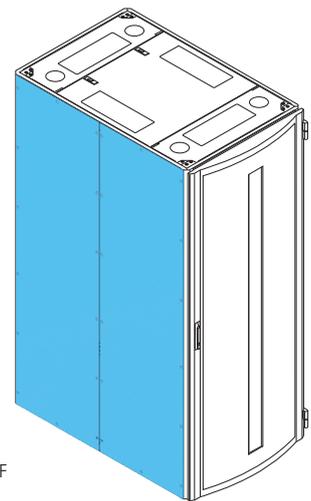
Material : Galvanized sheet metal
 Finish : Painted
 Standard Delivery : 1 set Side panel - vertically divided to 2 parts
 1 pcs fixing kit

| Part No | Description | Height (mm) | Depth (mm) |
|------------------|--|-------------|-----------------------|
| KP SP HH DD F CC | Side Panel - Fixed, Vertically Divided | 42U, 47U | 800, 1000, 1100, 1200 |
| KP SP HH DD H CC | Side Panel - Lockable, Hinged, Vertically Divided | 42U, 47U | 1000, 1100, 1200 |
| KP SP HH DD C CC | Side Panel - Head-of-row Vertically Divided, One Part Fixed, One Part Hinged | 42U, 47U | 1000, 1100, 1200 |
| KP SP HH DD T CC | Side Panel- With Transitions, Vertically Divided | 42U, 47U | 1000, 1100, 1200 |

*HH: Height
 *DD: Depth
 *CC: Color, BK: RAL 9005 Black; WH: RAL 9003 White
 **CC: Please contact to sales for different color alternatives.
 *** Please refer to page 110 for part number details

Fixed Side Panel

- Fixed with screws
- Grounding continuity is automatically ensured self-tapping screws

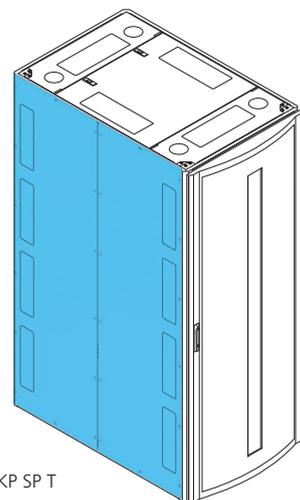


KP SP F

Fixed side panel



Hinged side panel



KP SP T

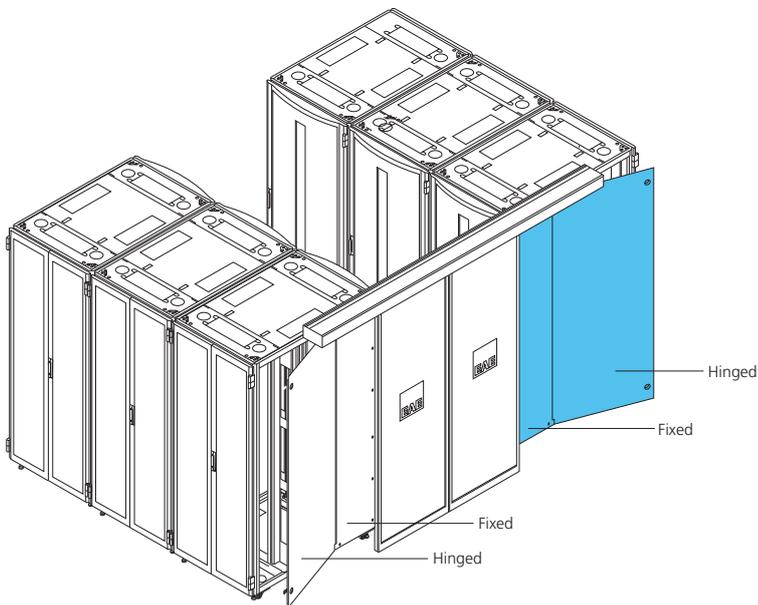
Side panel with transitions

Side Panel With Transitions

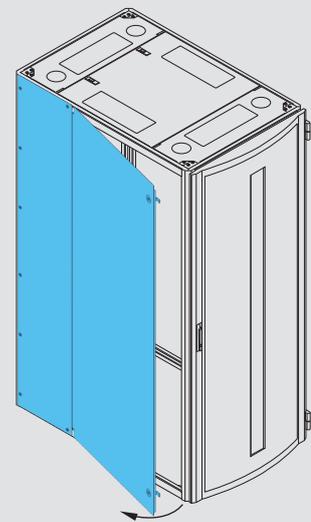
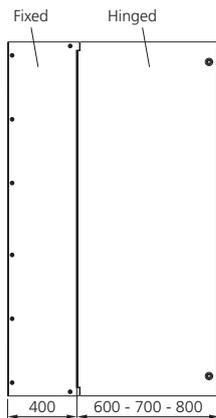
- Cable entry openings in transition type side panels can be broken if desired and cable pass-through accessories can be installed there.
- Thanks to their symmetrical design, the side cable-through openings of neighboring cabinets meet each other.

Head-of-row Side Panel

Head-of-row side panels provide easy side access to the head-of-row cabinets.



Thanks to its symmetrical design, it can be used on both right and left side of the aisle entrance.



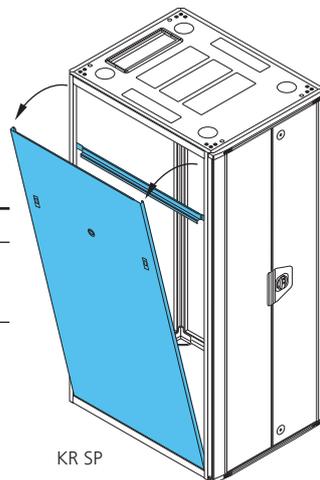
Removable Side Panel

Removable side panels are designed to be used in KR Series cabinets only.

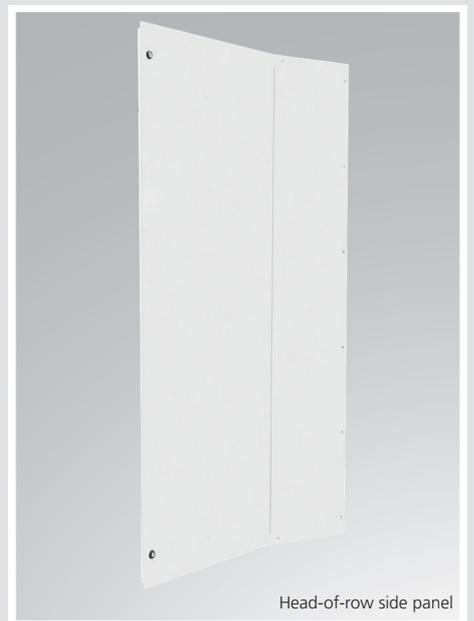
- Material : Galvanized steel sheet metal
- Finish : Painted
- Standard Delivery : 1 pcs Removable Side Panel
1 pcs Locking bracket
1 pcs with keyed lock
2 pcs latch locks

| Part No | Description | Height (mm) | Depth (mm) |
|-------------------|--|------------------|-------------------|
| KR SP HH DD CC | Side Panel - Lockable, Removable | 26U, 36U, 42U | 600, 800, 1000 |

*HH: Height
 *DD: Depth
 *CC: Color, BK: RAL 9005 Black; WH: RAL 9003 White
 **CC: Please contact to sales for different color alternatives.
 *** Please refer to page 110 for part number details



Removable side panel

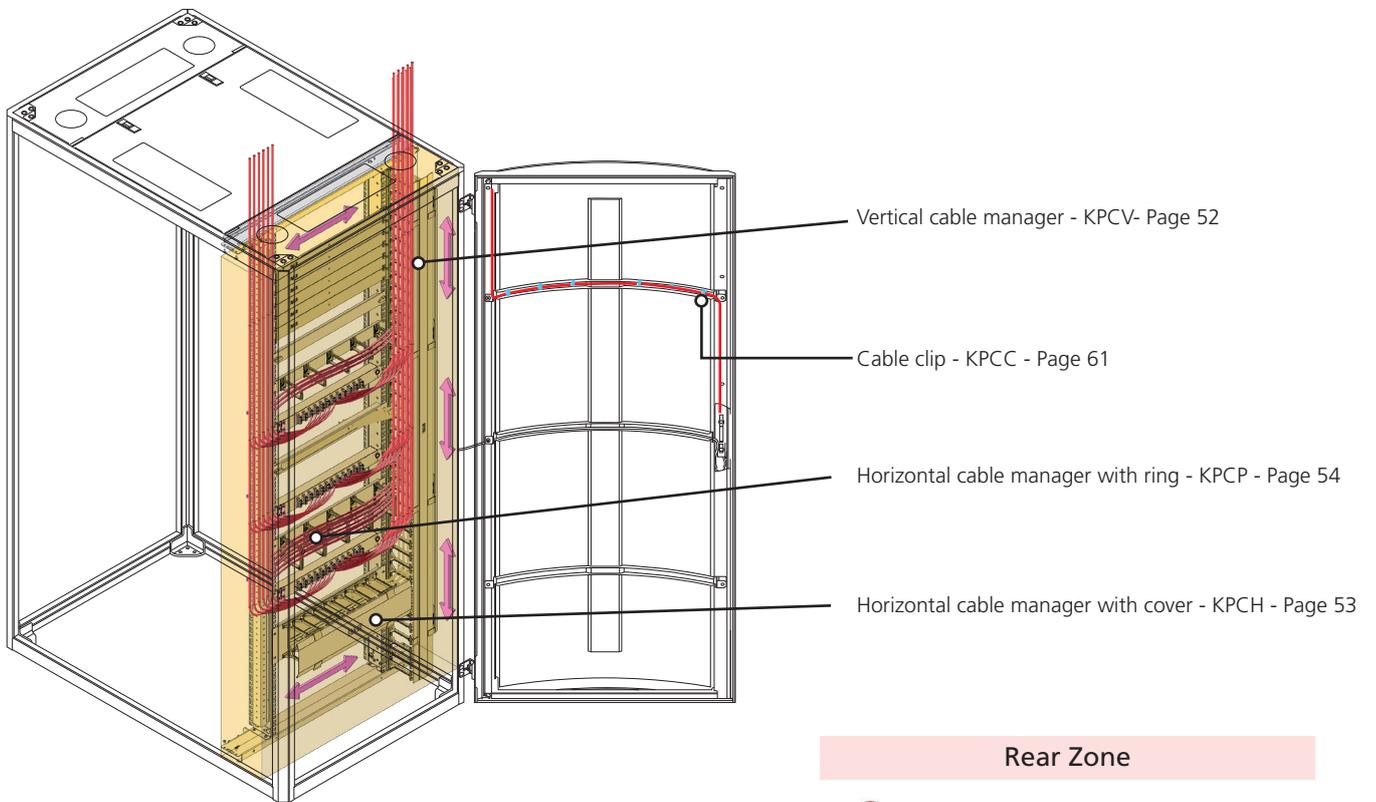


Head-of-row side panel

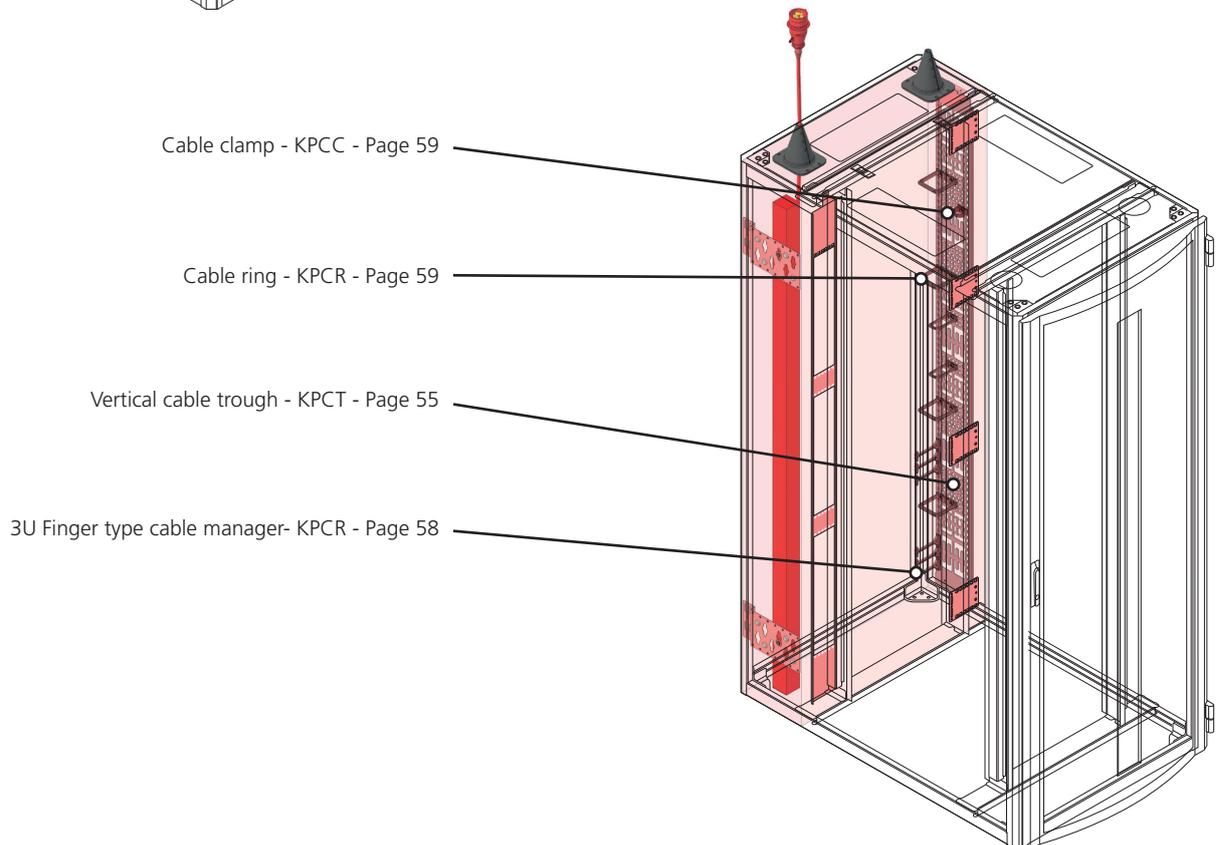
Accessories

Cable Management

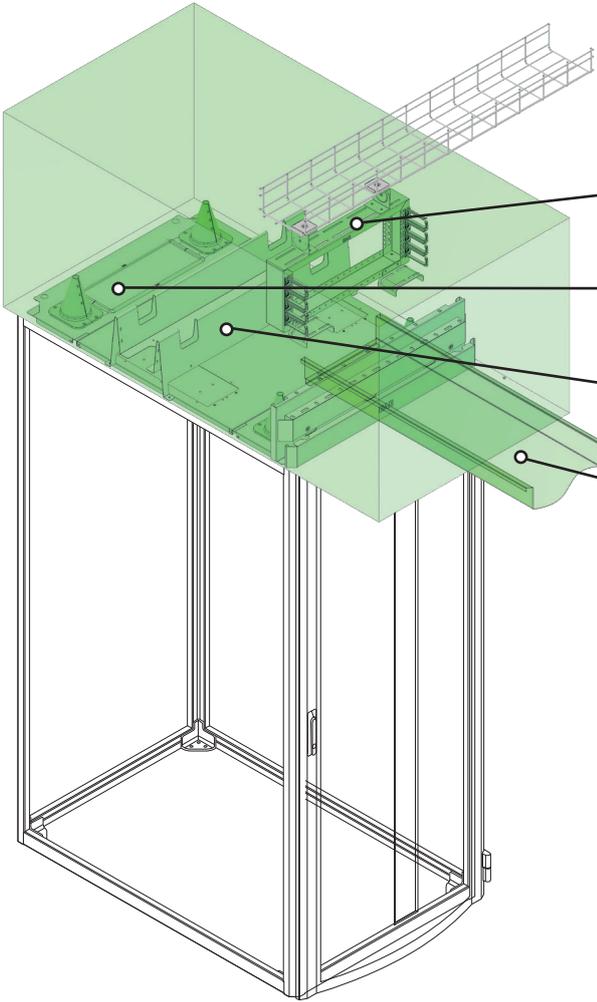
Front Zone



Rear Zone



Top Zone



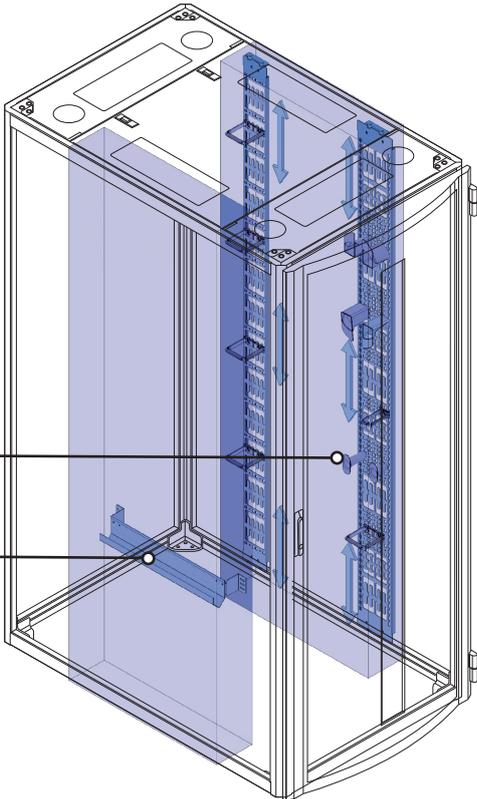
Overhead rack- KPCZ - Page 65

Cable entry accessory - KPCO - Page 62

Cabinet top cable managers KPCA / KPCM - Page 63

Aisle containment - Cross channel KCCT - Page 64

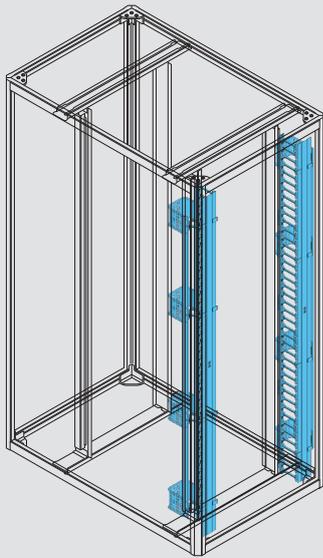
Side Zone



Cable spool- KPCS - Page 58

Front-to-rear cable duct - KPCD - Page 54

Cable Management Accessories



KP CV

Vertical Cable Manager

Finger type cable managers allow cable organization on vertical axis near equipment mounting zone.

- Applicable with air dam kit

Material : Galvanized sheet metal, poliamid
 Finish : Painted
 Standard Delivery : 2 pcs vertical cable manager
 1 pcs fixing kit
 2 pcs cover

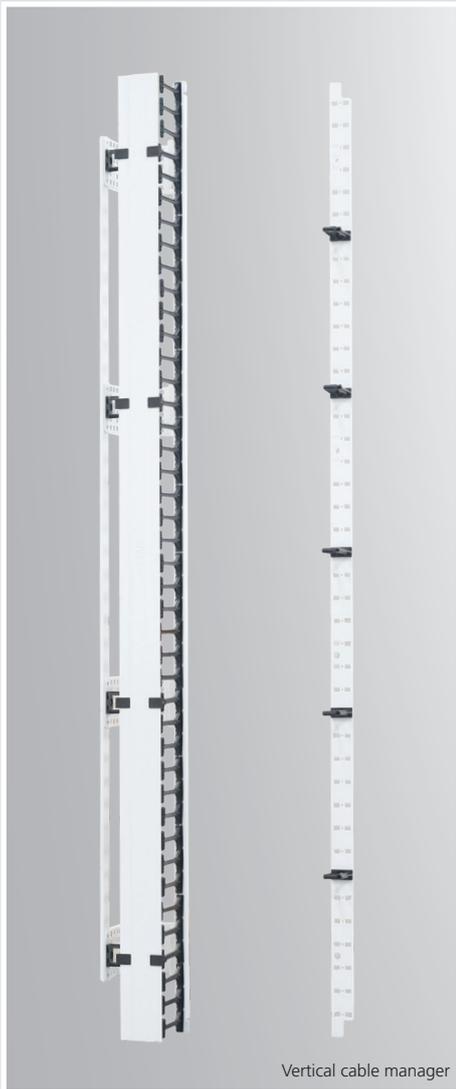
| Part No | Description | Height (mm) | Width (mm) |
|----------------|--|-----------------|----------------|
| KP CV HH WW CC | Vertical Cable Manager Set - With Cover, Finger Type, Left/Right | 42U / 47U | 600, 800, 1000 |
| KS CV HH WW CC | Vertical Cable Manager Set - With Cover, Finger Type, Left/Right | 42U / 47U | 600, 800, 1000 |
| KR CV HH WW CC | Vertical Cable Manager Set - With Cover, Finger Type, Left/Right | 26U / 36U / 42U | 800 |

*HH: Height

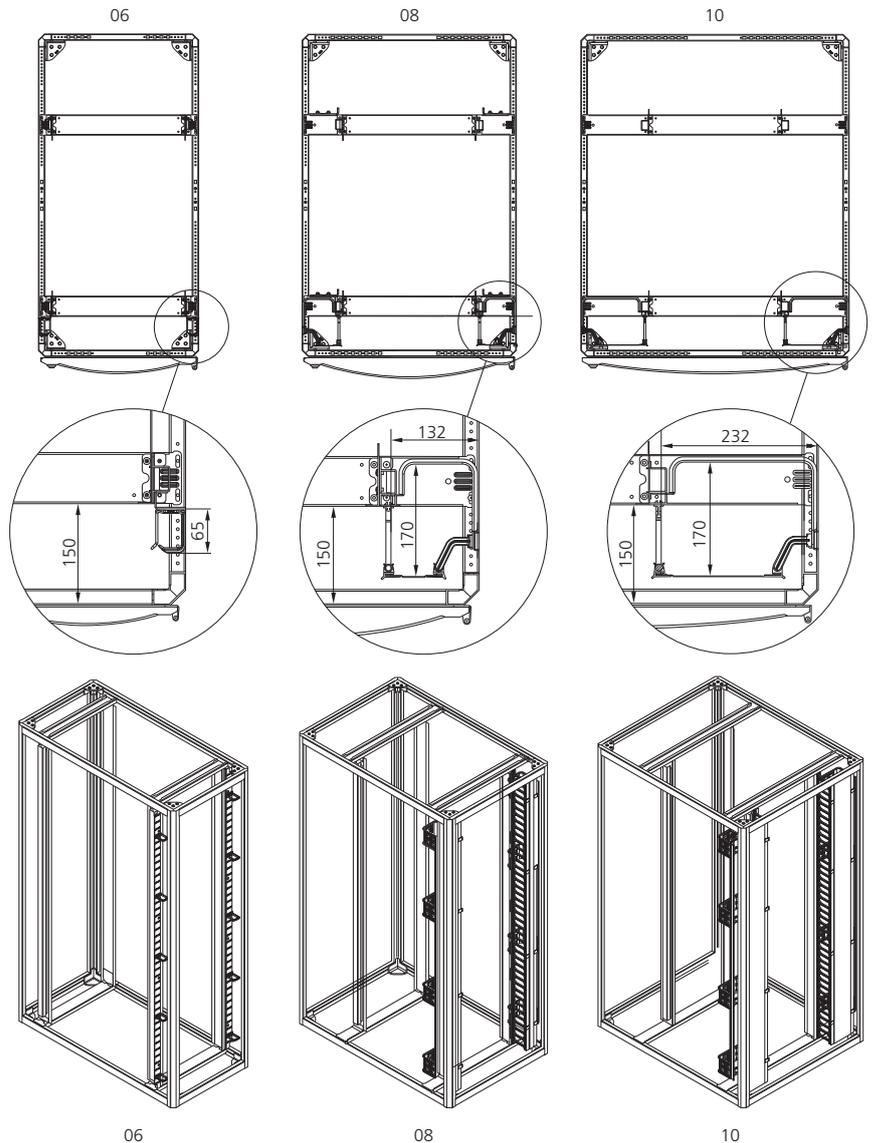
*CC: Color, BK: RAL 9005 Black; WH: RAL 9003 White

**CC: Please contact to sales for different color alternatives

*** Please refer to page 110 for part number details



Vertical cable manager



Horizontal Cable Manager With Cover

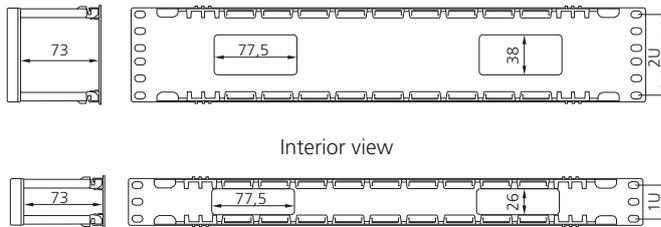
Horizontal cable manager with cover can be used to organize cables horizontally.

- Plastic cover and plastic cable managers
- Opening at back for convenient cable passage to the rear

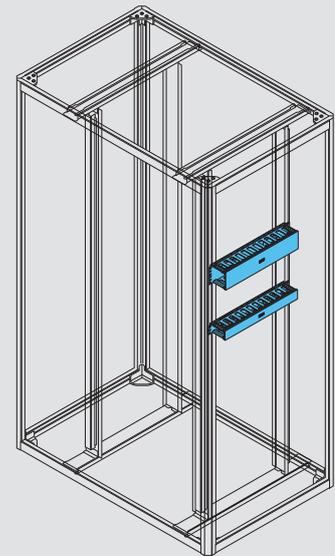
Material : Halogen-free plastic
 Standard Delivery : 1 pcs Horizontal cable manager with cover
 1 pcs Fixing kit

| Part No | Description | Height (mm) | Depth (mm) |
|---------------|---|-------------|------------|
| KP CH 1U P BK | Horizontal Cable Manager With Cover 1U, Plastic | 1U | 73 |
| KP CH 2U P BK | Horizontal Cable Manager With Cover 2U, Plastic | 2U | 73 |

*** Please refer to page 110 for part number details



Interior view



KP CH



Horizontal cable manager with cover

Horizontal Cable Manager With Metal Cover

To organize cables at U height horizontally.

- Metal covered and plastic cable managers
- Suitable passage for cable passage to the rear

Material : Galvanized sheet metal, UL94V0 Halogen-Free (fingers)
 Finish : Painted
 Standard Delivery : 1 pcs horizontal cable manager
 1 pcs cover
 1 pcs brushed cable entry module
 1 pcs fixing kit

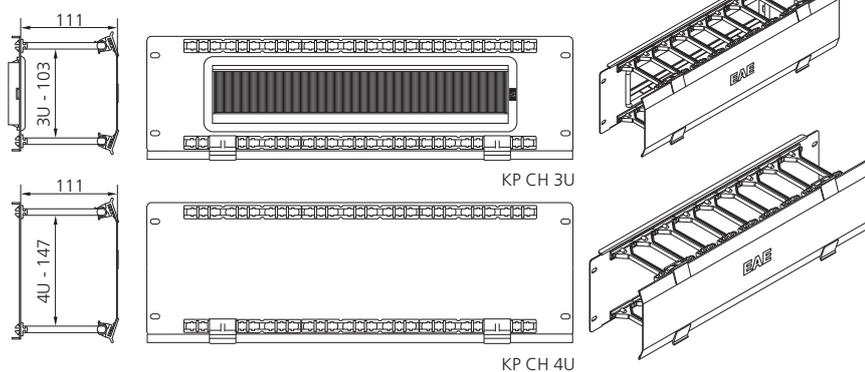
| Part No | Description | Height (mm) |
|---------------|---|-------------|
| KP CH HH CC | Horizontal Cable Manager With Metal Cover | 3U / 4U |
| KP CH HH B CC | Horizontal Cable Manager With Metal Cover With Brushed Cable Entry Module | 3U / 4U |

*HH: Height

*CC: Color, BK: RAL 9005 Black; WH: RAL 9003 White

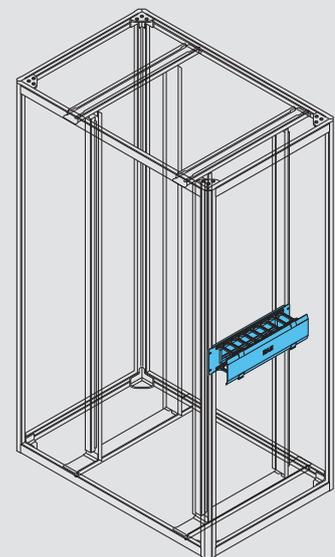
**CC: Please contact to sales for different color alternatives..

*** Please refer to page 110 for part number details

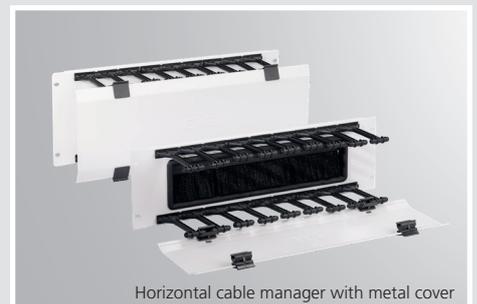


KP CH 3U

KP CH 4U



KP CH

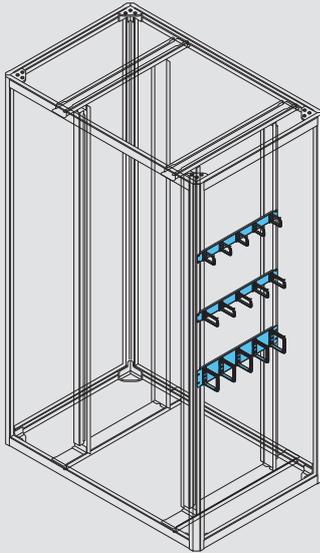


Horizontal cable manager with metal cover

Cable Management Accessories

Horizontal Cable Manager

Horizontal cable manager can be used to organize cables horizontally.

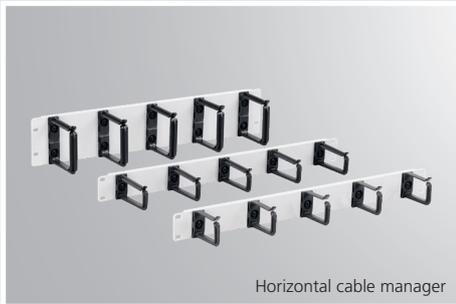


KP CP

Material : Galvanized sheet metal, Halogen-free (cable ring)
 Finish : Painted
 Standard Delivery : 1 pcs Horizontal cable manager with cable ring
 1 pcs Fixing kit

| Part No | Description | Height (mm) | Depth (mm) |
|----------------|--|-------------|------------|
| KP CP 1U 65 CC | Horizontal Cable Manager - 1U, 5 Cable Rings, 65 mm | 1U | 65 |
| KP CP 1U 90 CC | Horizontal Cable Manager - 1U, 5 Cable Rings, 90 mm | 1U | 90 |
| KP CP 2U 90 CC | Horizontal Cable Manager - 2U, 5 Cable Rings, 90 mm | 2U | 90 |

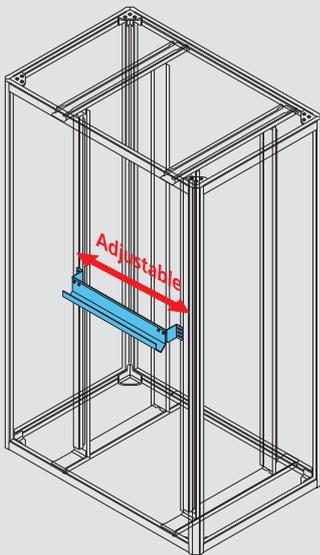
*CC: Color, BK: RAL 9005 Black; WH: RAL 9003 White
 **CC: Please contact to sales for different color alternatives..
 *** Please refer to page 110 for part number details



Horizontal cable manager

Front-to-rear Cable Duct

Front-to-rear cable duct is to create a proper pathway between the front and rear mounting rails for cables. Their design eliminate sharp edges or protrusions along the cable routes.



KP CD 08

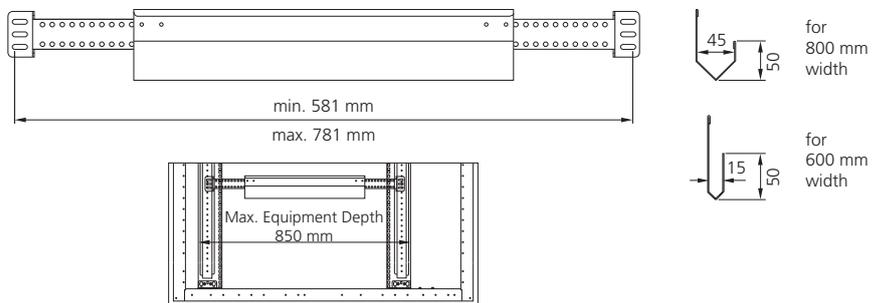
Material : Galvanized sheet metal
 Finish : Painted
 Standard Delivery : 1 pcs Cable duct with adjustable fixing brackets
 1 pcs Fixing kit

| Part No | Description | Width (mm) |
|-------------|--|------------|
| KD CD 06 CC | Front-to-rear Cable Duct - in depth direction for W600 | 15 |
| KP CD 08 CC | Front-to-rear Cable Duct - in depth direction for W800 | 45 |
| KL CD 08 CC | Front-to-rear Cable Duct - in depth direction for W800 | 45 |

*CC: Color, BK: RAL 9005 Black; WH: RAL 9003 White
 **CC: Please contact to sales for different color alternatives..
 *** Please refer to page 110 for part number details



Front-to-rear cable duct



Vertical Cable Trough

Vertical cable trough can be used to organize cables at the rear or at sides of the cabinet.

- Cable Rings, fingers and cable spools can be fixed on the cable trough

Material : Galvanized sheet metal, halogen-free (cable ring)

Finish : Painted

Standard Delivery : 1 pcs Vertical cable trough
 1 pcs Cable ring - 2U 90 mm
 1 pcs Fixing set

| Part No | Description | Height (mm) | Width (mm) |
|----------------|------------------------------|-----------------|------------|
| KP CT HH WW CC | Vertical Cable Trough, Metal | 42U / 47U | 100 / 150 |
| KR CT HH WW CC | Vertical Cable Trough, Metal | 26U / 36U / 42U | 100 / 150 |

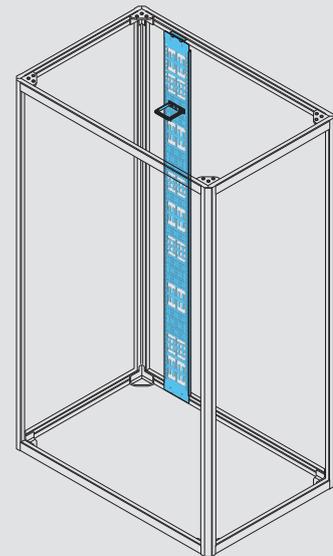
*HH: Height

*WW: Width

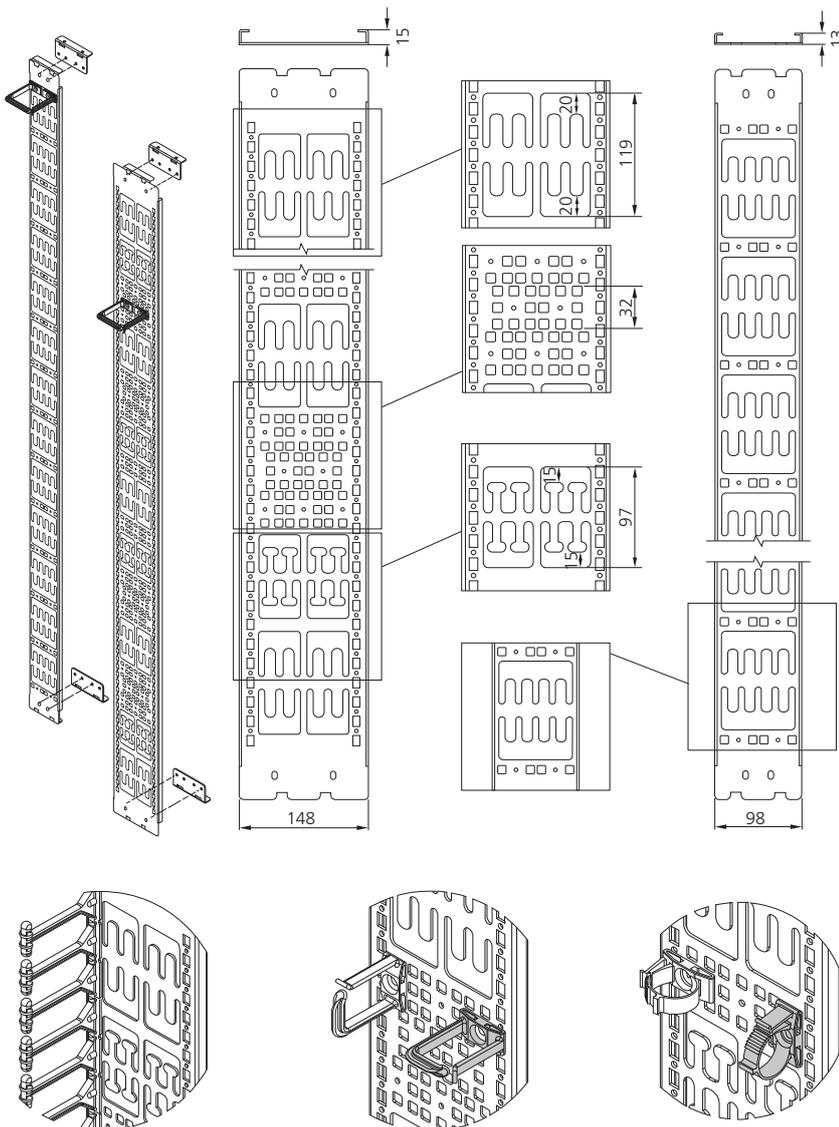
*CC: Color, BK: RAL 9005 Black; WH: RAL 9003 White

**CC: Please contact to sales for different color alternatives..

*** Please refer to page 110 for part number details



KP CT



Vertical cable trough

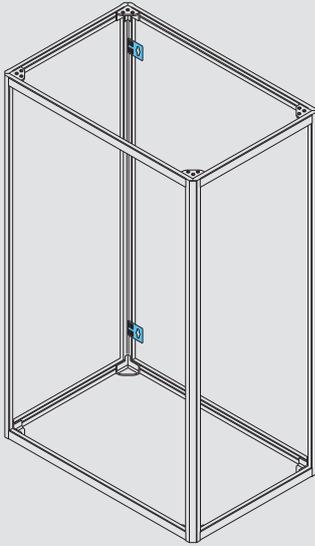
For a variety of cable management options that can be fitted, refer to page 58-59

Cable Management Accessories

PDU Bracket Set

Various types of PDU brackets can be used to mount vertical PDU - Power Distribution Units.

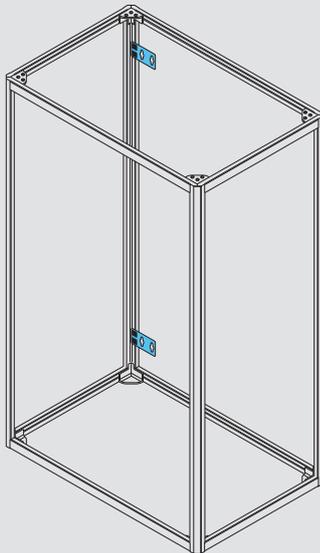
Material : Galvanized sheet metal
 Finish : Painted
 Standard Delivery : 2 pcs PDU bracket
 1 pcs Fixing kit



KP PB 01



PDU bracket set



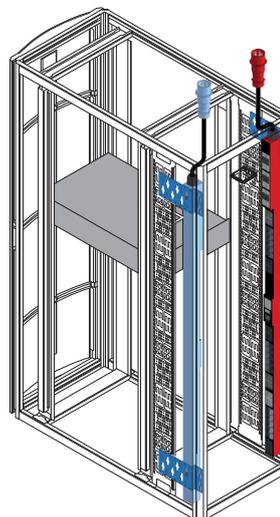
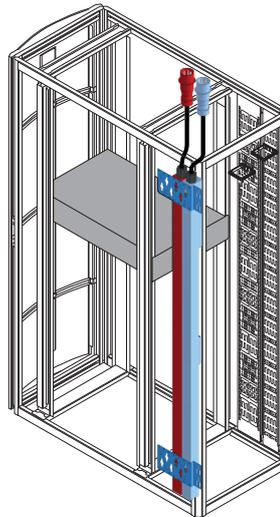
KP PB 02



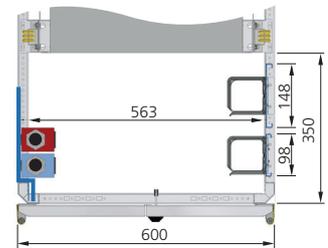
PDU bracket set

| Part No | Description |
|-------------|--|
| KP PB 01 CC | PDU Bracket Set, Type 01 |
| KP PB 02 CC | PDU Bracket Set, Type 02 |
| KP PB 03 CC | PDU Bracket Set, Type 03 |
| KP PB 04 CC | PDU Bracket Set, Type 04 - for fixing on 19 inch mounting rail |

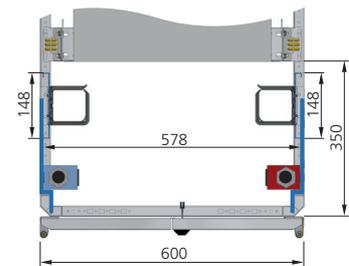
*CC: Color, BK: RAL 9005 Black; WH: RAL 9003 White
 **CC: Please contact to sales for different color alternatives..
 *** Please refer to page 110 for part number details

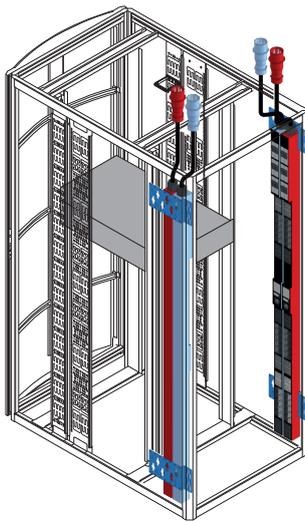


A 1200 mm deep - 600 mm wide, two PDUs mounted side by side, cable troughs at opposing side

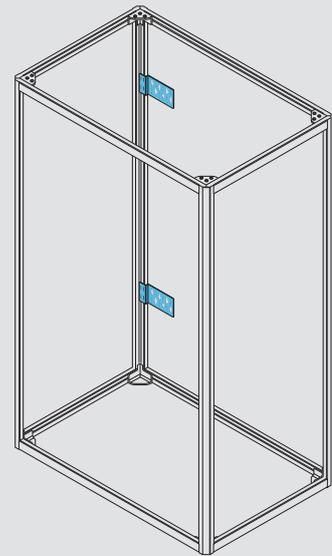
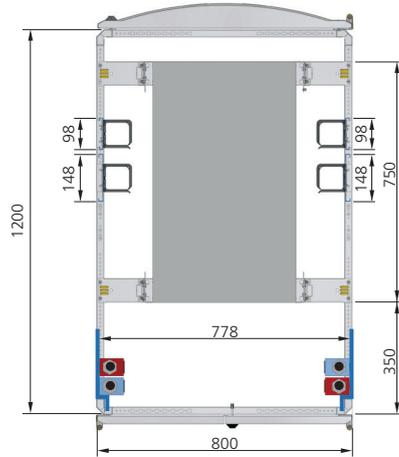


B 1200 mm deep - 600 mm wide, PDUs are fixed at opposing sides, cable troughs are fixed near each PDU

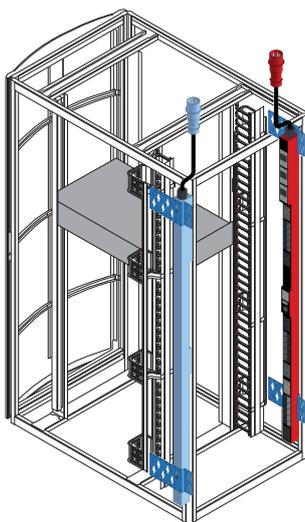




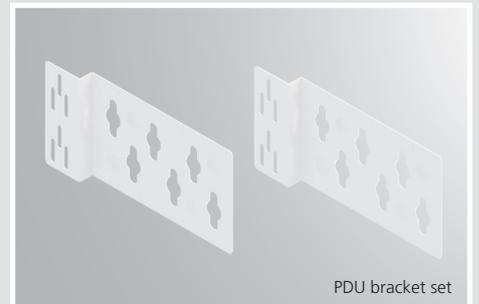
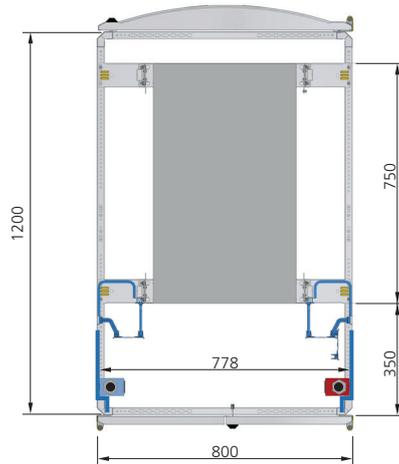
C 1200 mm deep - 800 mm wide, cable troughs at sides



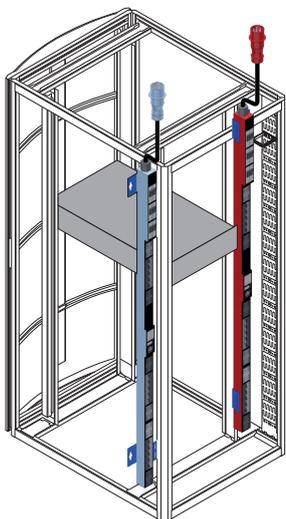
KP PB 03



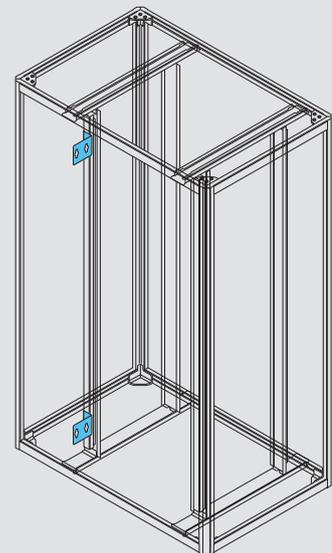
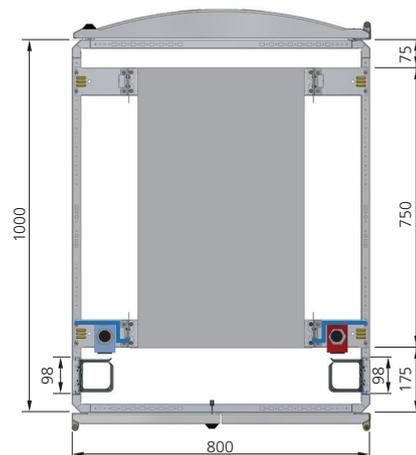
D 1200 mm deep - 800 mm wide, vertical cable managers at sides



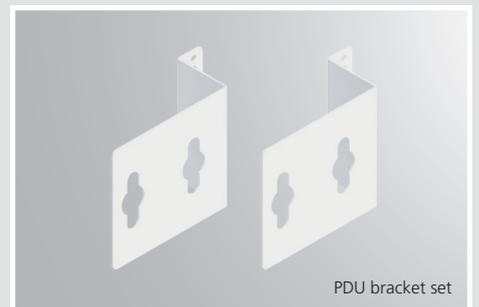
PDU bracket set



E 1000 mm deep - 800 mm wide, PDUs near 19 inch rails, with cable trough



KP PB 04

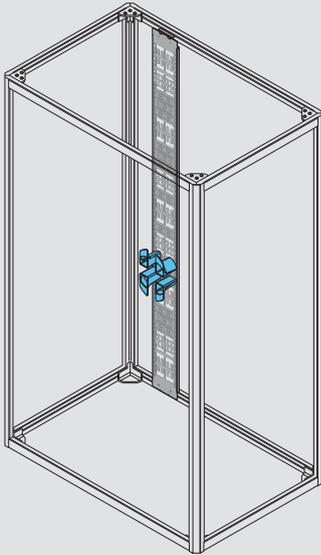


PDU bracket set

Cable Management Units

Cable management units are used for the orderly routing of cables entering the cabinet.

Material : Halogen-free / plastic
 Standard Delivery : Cable Management Units
 1 pcs Fixing kit



KP CS 1/4



KP CS 1/4



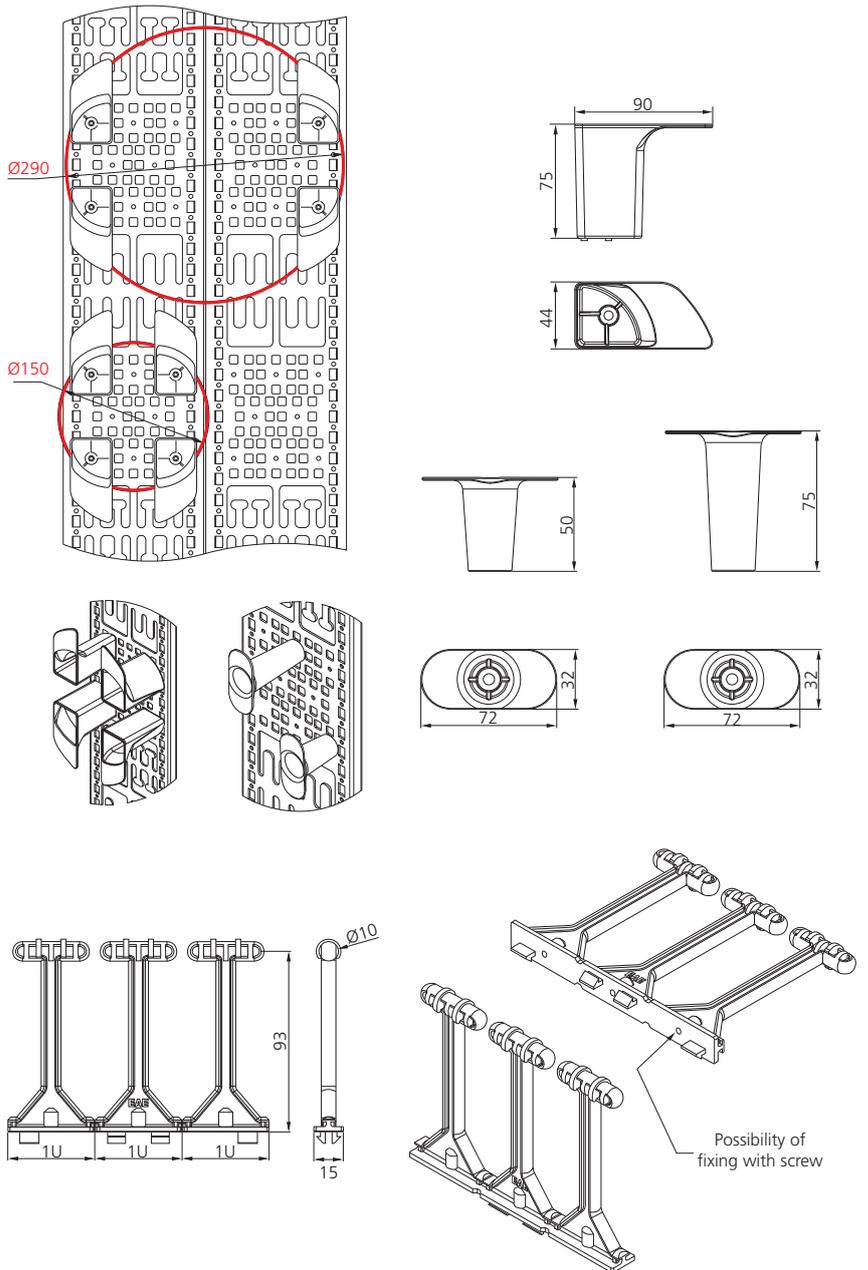
KP CS 50/75



KP CR 3U

| Part No | Description |
|-----------|--|
| KP CS 1/4 | Cable Spool, 1/4 Type, 4 pcs. |
| KP CS 50 | Cable Spool, Short, 50 mm Type, 5 pcs. |
| KP CS 75 | Cable Spool, Tall, 75 mm Type, 5 pcs. |
| KP CR 3U | 3U Finger Type Cable Manager, 5 pcs. |

*** Please refer to page 110 for part number details



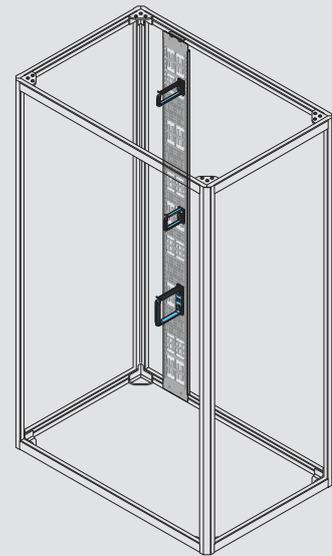
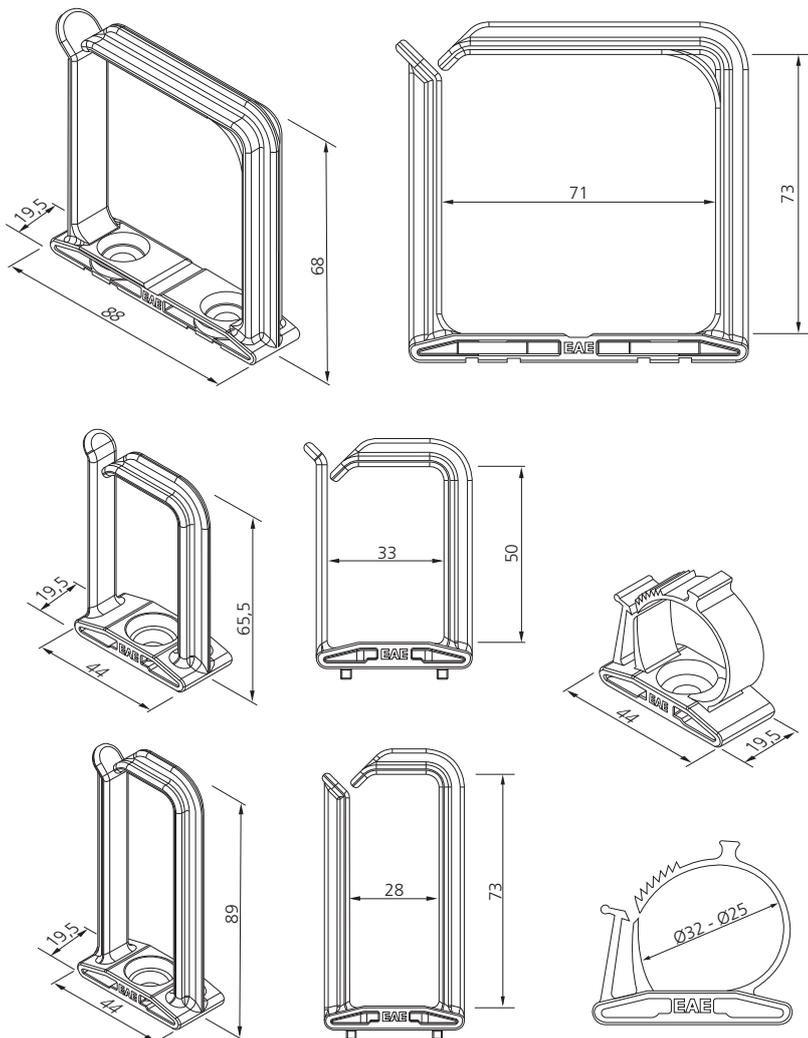
Cable Rings

Cable rings can be used to organise cables at different points in the cabinet.

Material : Halogen-free / plastic
 Standard Delivery : 5 pcs Cable rings
 10 pcs Cable clamp
 1 pcs Fixing kit

| Part No | Description | Height (mm) | Depth (mm) |
|------------|---|-------------|------------|
| KP CR 1U65 | Cable Ring - Plastic, 1U, 65 mm, 5 pcs. | 1U | 65 mm |
| KP CR 1U90 | Cable Ring - Plastic, 1U, 90 mm, 5 pcs. | 1U | 90 mm |
| KP CR 2U90 | Cable Ring - Plastic, 2U, 90 mm, 5 pcs. | 2U | 90 mm |
| KP CC 01 | Cable Clamp - Plastic, Ø32, 10 pcs. | 1U | |

*** Please refer to page 110 for part number details



KP CR



Cable ring - 1U65



Cable ring - 1U90



Cable ring - 2U90



Cable clamp - CC01

Zero U Additional 19 Inch Mounting Module

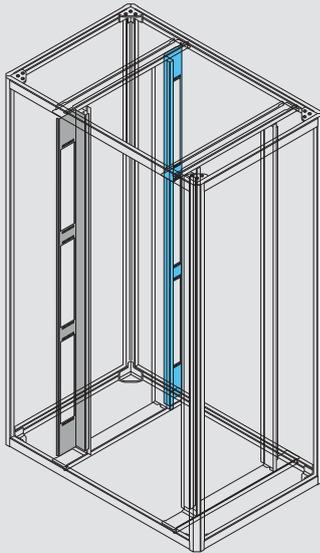
Zero U additional 19 inch mounting module can be used for equipment mounting vertically near mounting rails.

- Up to 6U equipment can be mounted

Material : Galvanized sheet metal
 Finish : Painted
 Standard Delivery : 1 pcs Additional mounting module
 1 pcs Fixing kit

| Part No | Description | Height (mm) | Width (mm) |
|----------------|---|-------------|------------|
| KP ZU HH 08 CC | Zero U Additional 19 inch Mounting Module | 2U | 800 |

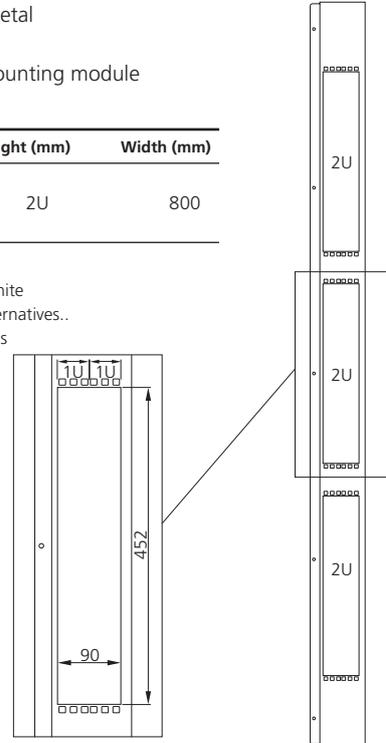
*HH: Height
 *CC: Color, BK: RAL 9005 Black; WH: RAL 9003 White
 **CC: Please contact to sales for different color alternatives..
 *** Please refer to page 110 for part number details



KP CB 08



Zero U additional 19 inch mounting module



Zero U Additional 19 Inch Mounting Bracket

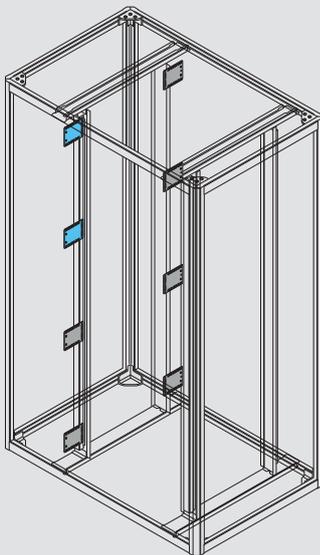
Zero U additional 19 inch mounting bracket can be used for individual equipment mounting vertically near mounting rails.

- Up to 2U equipment can be mounted

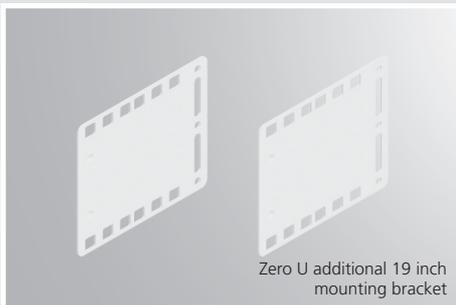
Material : Galvanized sheet metal
 Finish : Painted
 Standard Delivery : 2 pcs Bracket
 1 pcs Fixing kit

| Part No | Description |
|-------------|--|
| KP ZU 01 CC | Zero U Additional 19 inch Mounting Bracket |

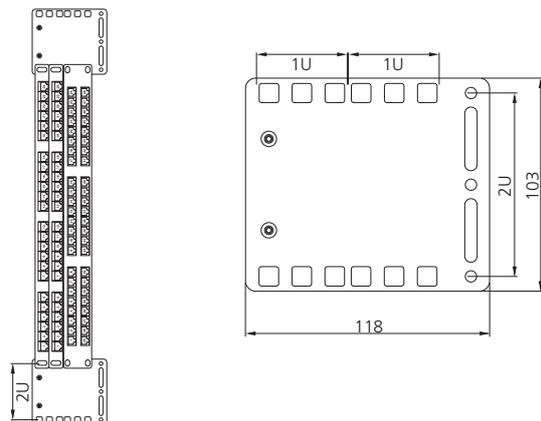
*CC: Color, BK: RAL 9005 Black; WH: RAL 9003 White
 **CC: Please contact to sales for different color alternatives..
 *** Please refer to page 110 for part number details



KP ZU 01



Zero U additional 19 inch mounting bracket



Cable Clip

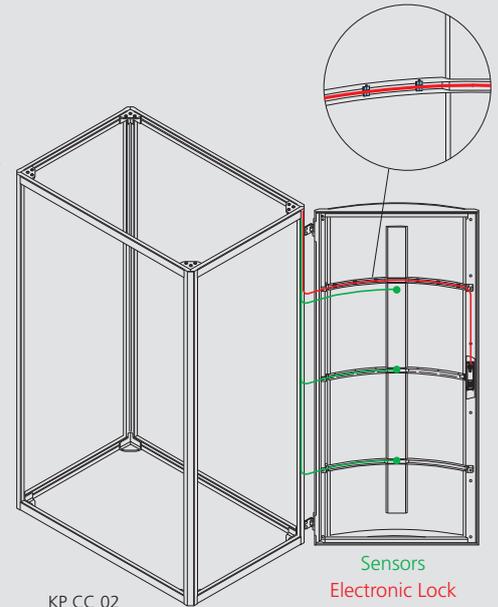
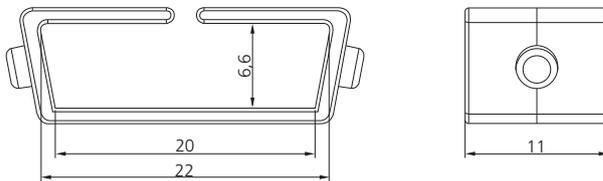
Cable clips are used to organise cables which are to be routed on perforated doors. They are designed to be fixed inside steel stiffening channels of perforated doors.

- Routing of electronic lock cables
- Routing of temperature sensor cables

Material : Plastic
 Standard Delivery : 10 pcs Cable clip

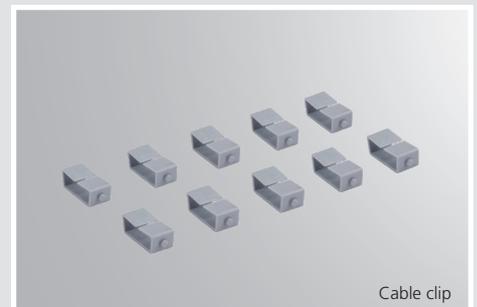
| Part No | Description |
|----------|----------------------------|
| KP CC 02 | Plastic Cable Clip, 10 pcs |

*** Please refer to page 110 for part number details



KP CC 02

Sensors
Electronic Lock



Cable clip

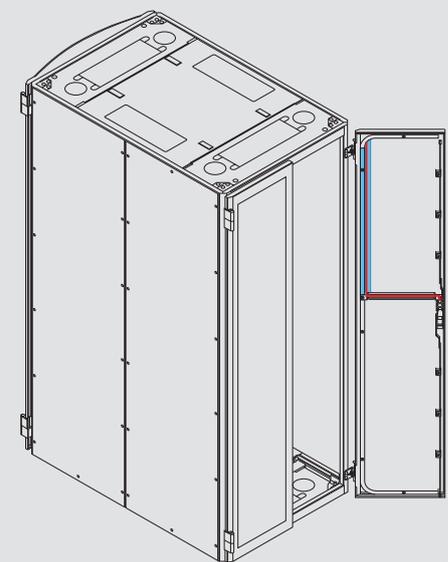
In-door Cable Channel

In-door cable channels are to be used to route electronic lock cable vertically on perforated split doors.

Material : Galvanized sheet metal
 Finish : Painted
 Standard Delivery : 1 pc. In-door cable channel
 1 pc. Fixing kit

| Part No | Description | Height (mm) |
|-------------|-----------------------|-------------|
| KP LT HH CC | In-door Cable Channel | 42U / 47U |

*HH: Height
 *CC: Color, BK: RAL 9005 Black; WH: RAL 9003 White
 **CC: Please contact to sales for different color alternatives.
 ***Please refer to page 110 for part number details



KP LT



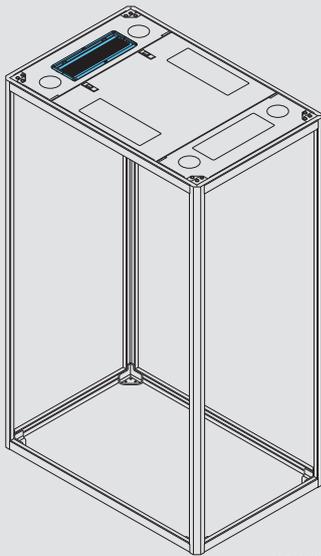
In-door cable channel

Cable Entry Accessories

Cable entry accessories are used for safely and orderly entering cables into the cabinet.

- When necessary, dust tightness is achieved via brush strips fixed in cable entry modules

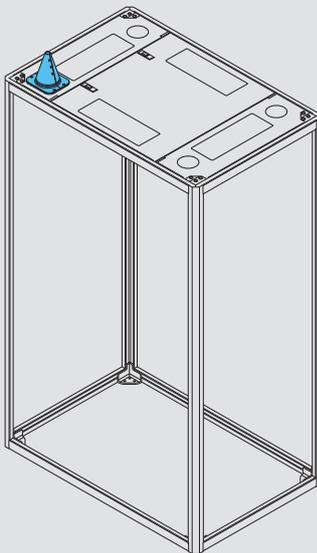
Material : Halogen-free / plastic
 Standard Delivery : 1 pcs. Cable entry module
 1 pcs. PVC brush (330 / 370 mm)
 1 pcs. Conic cable gland (2 pcs. Cable gland flanges)
 1 pcs. Fixing kit



KP CO 01 / 02



Cable entry module



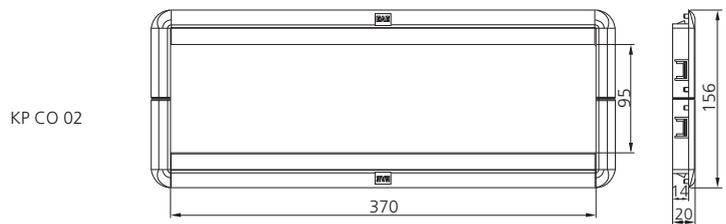
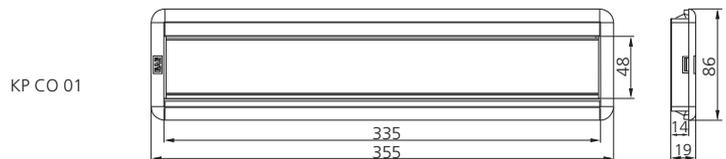
KP CO 03



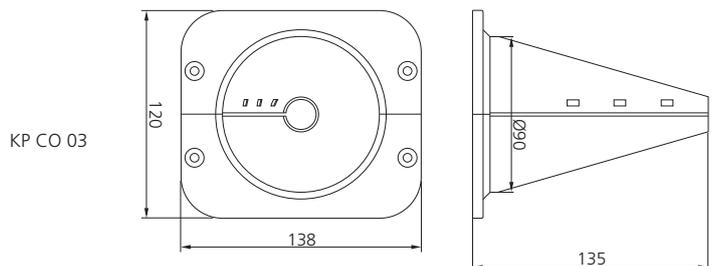
Cable entry module

| Part No | Description | Width (mm) | Depth (mm) |
|------------|--|------------|------------|
| KP CO 01 | Cable Entry Module - Plastic, 35x330 mm | 35 | 330 |
| KP CO 02 | Cable Entry Module - Plastic, 75x370 mm | 75 | 370 |
| KP CO 03 | Cable Entry Module - Plastic, Conic, Ø80 mm | Ø80 | - |
| KP CO 01 B | Cable Entry Module - Plastic, Brushed, 35x330 mm | 35 | 330 |
| KP CO 02 B | Cable Entry Module - Plastic, Brushed, 75x370 mm | 75 | 370 |
| KP CO 01 F | Cable Entry Module Brush, 330 mm | - | 330 |
| KP CO 02 F | Cable Entry Module Brush, 370 mm | - | 370 |

***Please refer to page 110 for part number details



1:1 For real size scale drawing, please refer Page 102



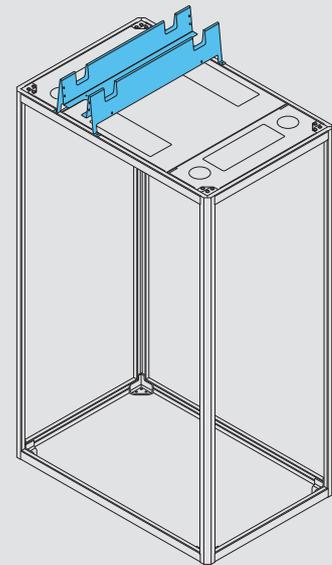
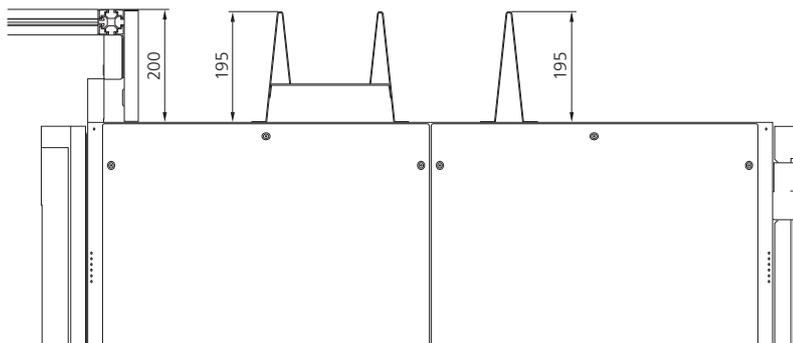
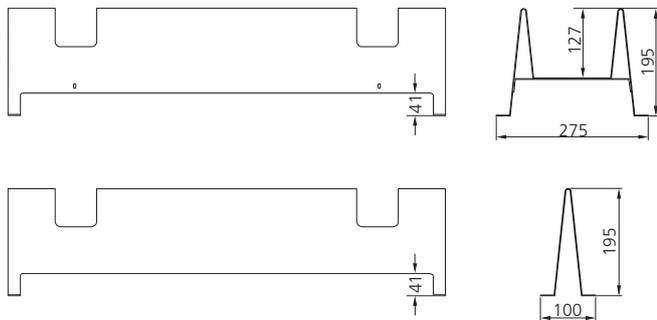
Cabinet Top Cable Managers

Cabinet top cable managers are used for organising cables on top of cabinets; especially for separating routes of power cables from data cables.

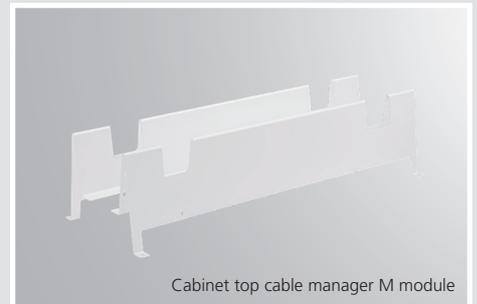
Material : Galvanized sheet metal
 Finish : Painted
 Standard Delivery : 1 pcs Cable separator (M-A)
 1 pcs Fixing kit

| Part No | Description | Width (mm) |
|-------------|-------------------------------------|----------------|
| KP CA WW CC | Cabinet Top Cable Manager, A Module | 600, 800, 1000 |
| KP CM WW CC | Cabinet Top Cable Manager, M Module | 600, 800, 1000 |

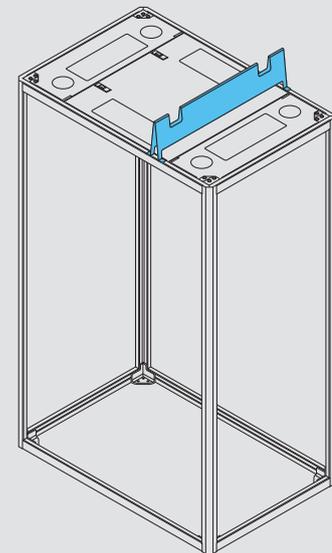
*HH: Height
 *CC: Color, BK: RAL 9005 Black; WH: RAL 9003 White
 **CC: Please contact to sales for different color alternatives.
 ***Please refer to page 110 for part number details



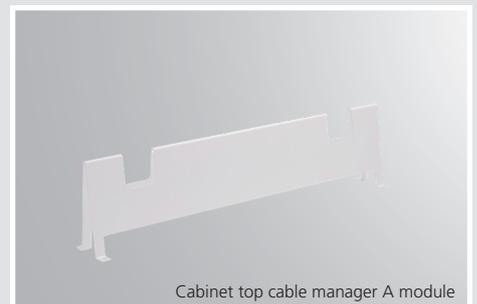
KP CM



Cabinet top cable manager M module



KP CA



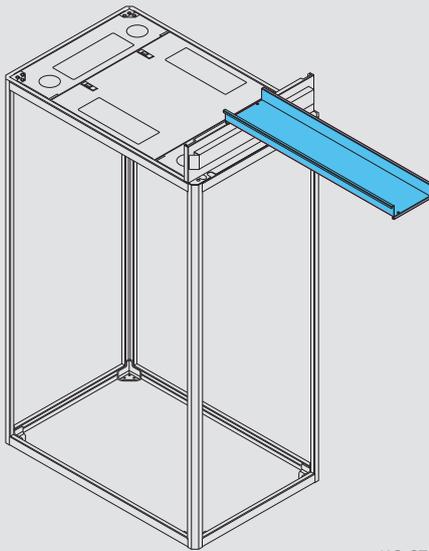
Cabinet top cable manager A module

Management Accessories

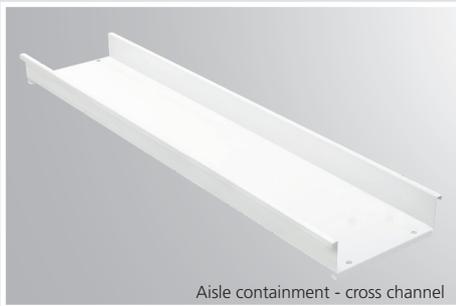
Aisle Containment - Cross Channel

Cross channel is used to route cables between rows over cold aisle containment.

Material : Galvanized sheet metal
 Finish : Painted
 Standard Delivery : 1 pcs Containment - cross channel
 1 pcs Fixing kit



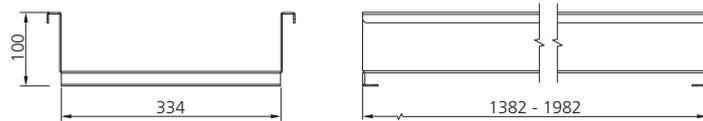
KC CT



Aisle containment - cross channel

| Part No | Description | Width (mm) | Depth (mm) |
|--------------------|-----------------------------------|------------|------------|
| KC CT DD CC | Aisle Containment - Cross Channel | 300 | 1200, 1800 |

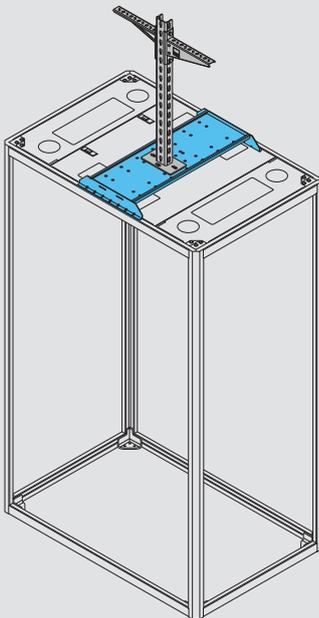
*DD: Depth
 *CC: Color, BK: RAL 9005 Black; WH: RAL 9003 White
 **CC: Please contact to sales for different color alternatives.
 ***Please refer to page 110 for part number details



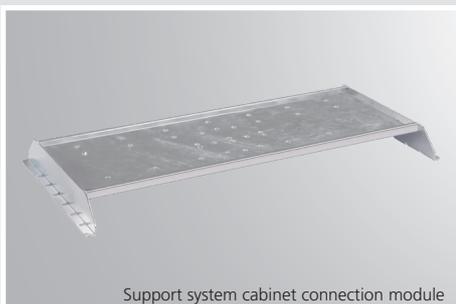
Support System Cabinet Connection Module

These modules are designed to fix different support components on cabinets.

Material : Hot-dip galvanized sheet metal, 3 mm
 Finish : Galvanized
 Standard Delivery : 1 pcs Support System Cabinet Connection Module
 1 pcs Fixing kit



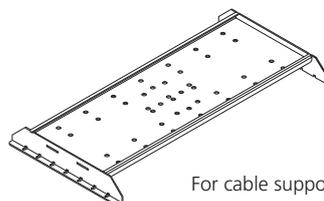
KC CS



Support system cabinet connection module

| Part No | Description | Width (mm) |
|-----------------|--|-----------------|
| KC CS WW | Support System Cabinet Connection Module | 600,800 1000 |

*WW: Width
 ***Please refer to page 110 for part number details



For cable support system products please refer to EAE Elektrik A.Ş. E-LINE BR Cable Support Systems catalogue.
<https://www.eaelectric.com/support-system/e-line-binrak>

Overhead Rack

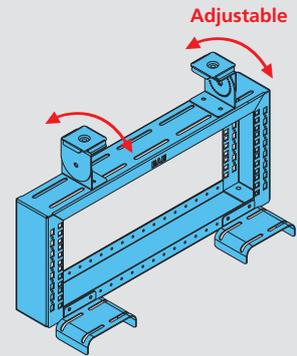
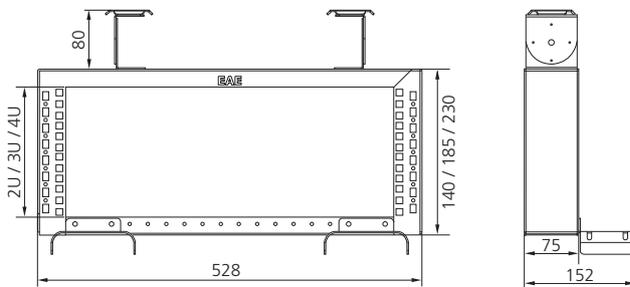
Overhead racks provide convenience and flexibility in cabling.

- Ability to be installed on wire mesh trays and standard slotted cable trays
- Cable ring mounting capability at sides

Material : Galvanized sheet metal
 Finish : Painted
 Standard Delivery : 1 pcs Overhead Rack
 1 pcs Fixing kit

| Part No | Description | Height (mm) |
|-------------|---------------|-------------|
| KP CZ HH CC | Overhead Rack | 2U, 3U, 4U |

*HH: Height
 *CC: Color, BK: RAL 9005 Black; WH: RAL 9003 White
 **CC: Please contact to sales for different color alternatives.
 ***Please refer to page 110 for part number details



KP CZ



Overhead rack

Cable Grommets

Cable grommets can be used for passing cables or structural elements through raised floor or suspended ceiling panels.

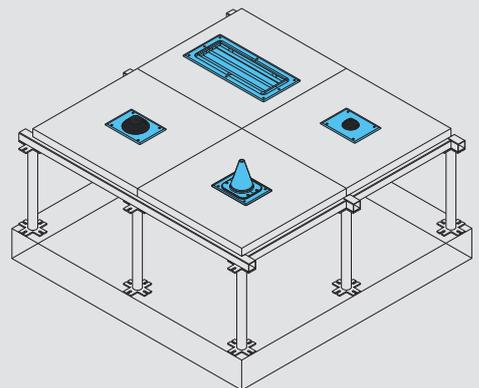
- Sheet steel flange painted in white

Material : Plastic on sheet steel
 Standard Delivery : 1 pcs Cable grommet with metal flange
 1 pcs Fixing kit

| Part No | Description |
|-------------|---------------------------------|
| KP CG 01 CC | Cable Grommets, Hooded, ø60 mm |
| KP CG 02 CC | Cable Grommets, With Brush |
| KP CG 03 CC | Cable Grommets, Hooded, ø100 mm |
| KP CG 04 CC | Cable Grommets, Conical |

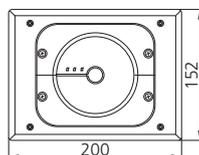
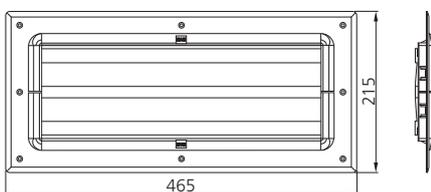


Hooded Cable Grommet



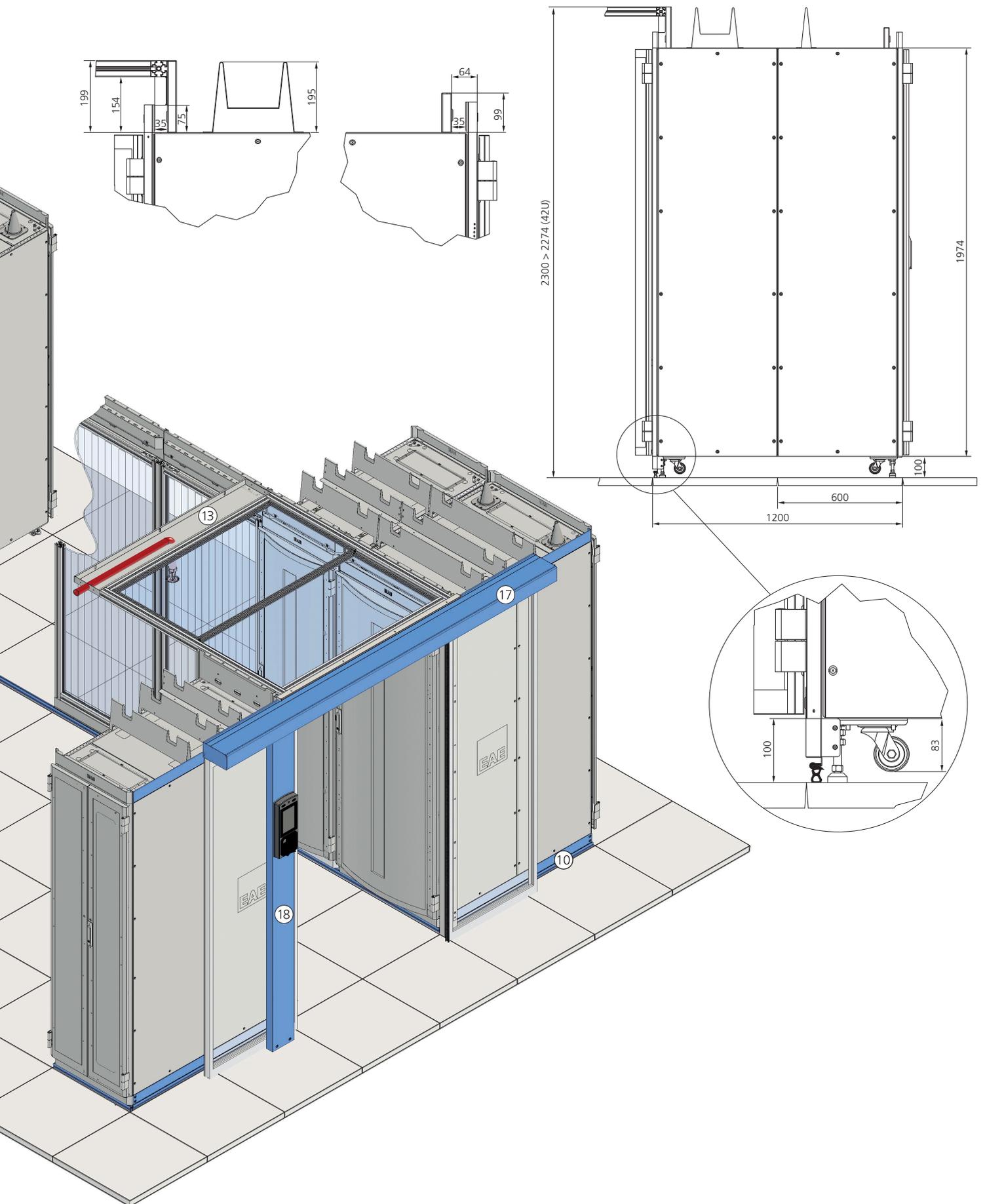
KC CG 01 / 02 / 03 / 04

*CC: Color, BK: RAL 9005 Black; WH: RAL 9003 White
 **CC: Please contact to sales for different color alternatives.
 ***Please refer to page 110 for part number details



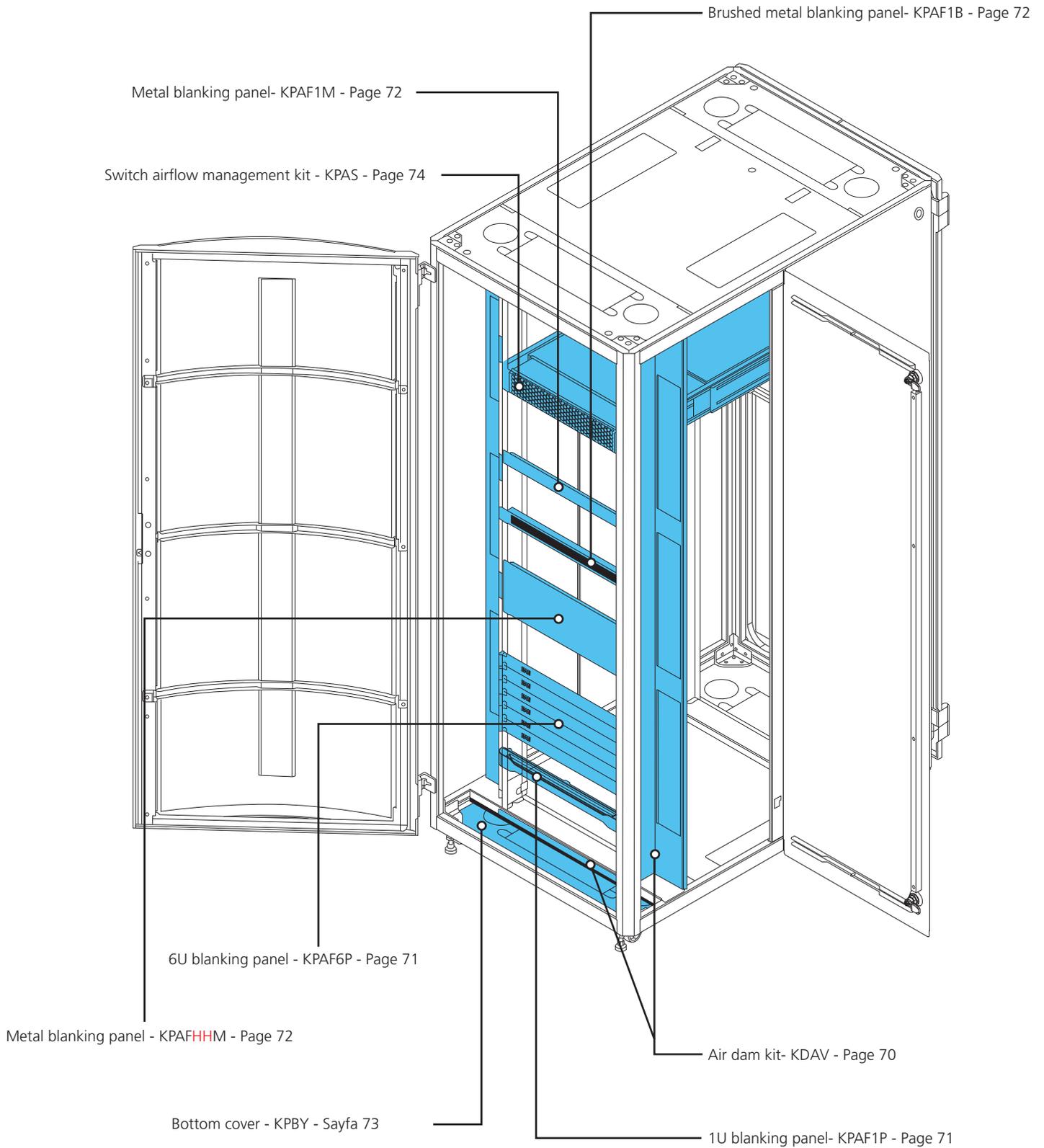
Cable grommets

For more information please see cable entry accessories page 62.

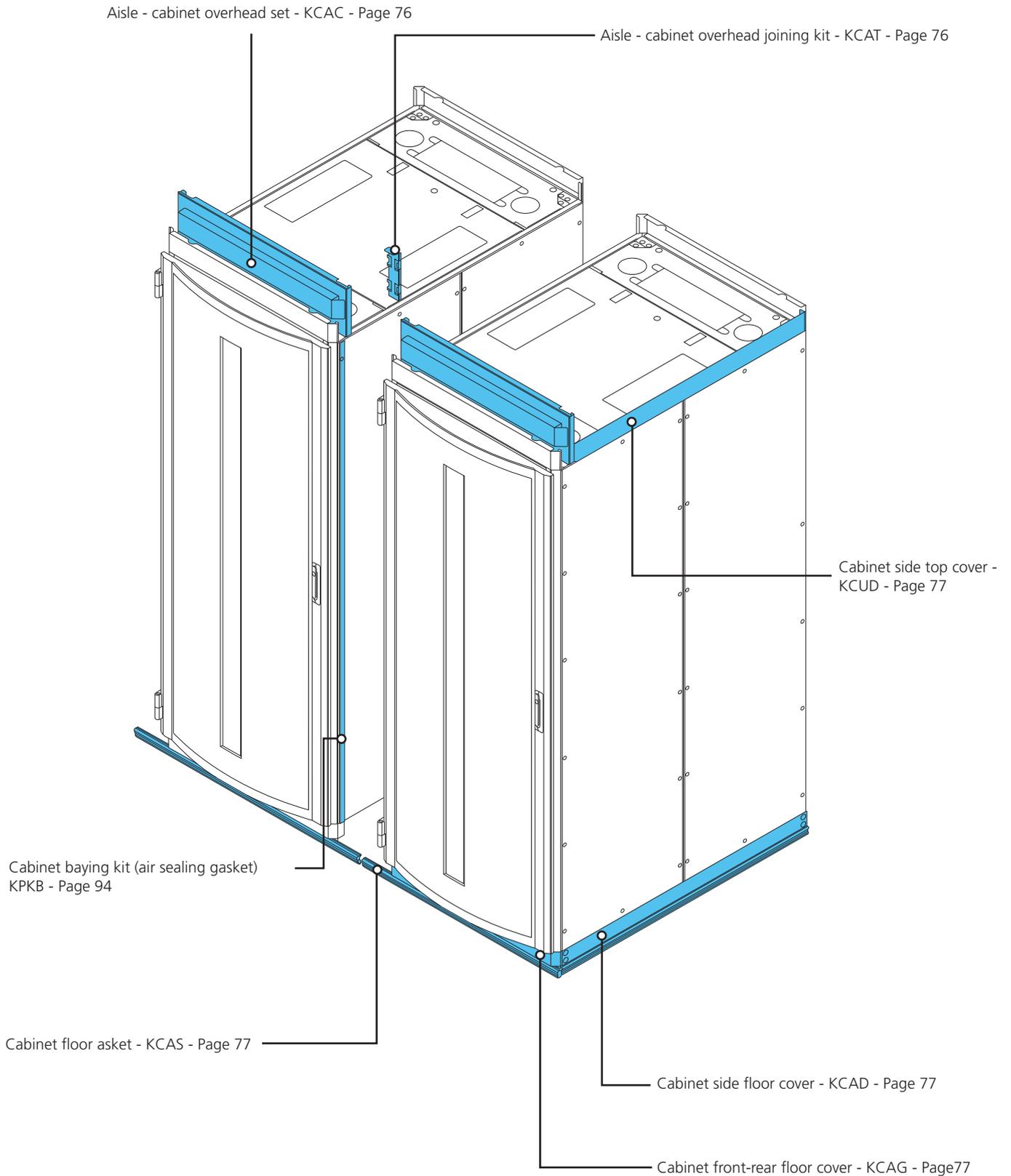


Airflow Management Accessories

Airflow Management Inside Cabinet



Airflow Management Outside Cabinet

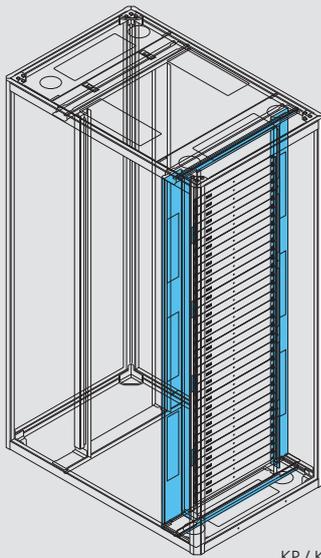
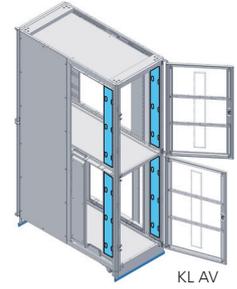


Airflow Management Accesories

Air Dam Kit

Air dams are used for separating cold air in front of mounted equipment from hot air inside the cabinet.

- Material : Galvanized sheet metal
- Finish : Painted
- Standard Delivery : 2 pcs Vertical air blanking units with gasket (except KL AV)
- 2 pcs Horizontal air blanking unit with gasket (except KL AV)
- 1 pcs Fixing kit



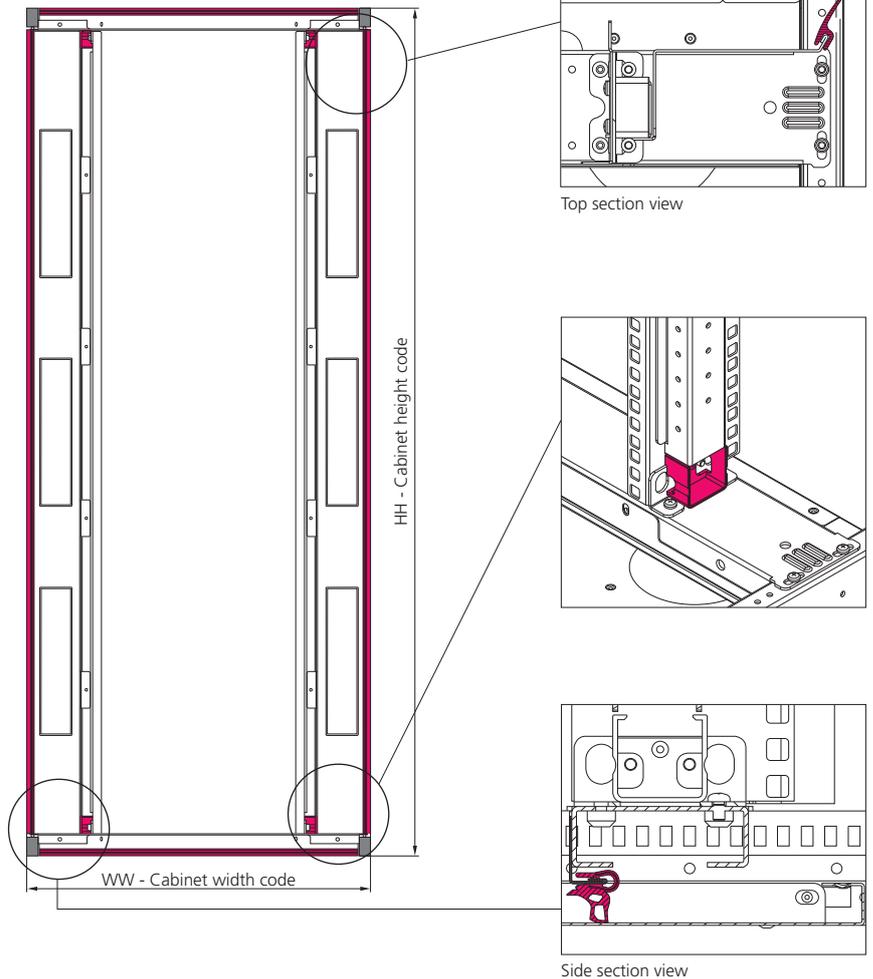
KP / KS / KD AV

| Part No | Description | Height (mm) | Width (mm) | Compartment Qty |
|-------------------------|---|-------------|------------------|-----------------|
| KS AV HH WW CC | Air Dam Kit | 42U, 47U | 600, 800 1000 | |
| KD AV HH WW CC | Air Dam Kit | 42U, 47U | 600, 800 1000 | |
| KP AV HH WW CC | Air Dam Kit | 42U, 47U | 600, 800 1000 | |
| KL AV HH WW L CC | Air Dam Kit (includes all compartments) | 42U, 47U | 600, 800 1000 | 02, 03, 04 |

- *HH: Height
- *WW:Width
- *L: See compartment quantity
- *CC: Color, BK: RAL 9005 Black WH: RAL 9003 White
- **CC: Please contact to sales for different color alternatives.
- *** Please refer to page 110 for part number details



Air dam kit



Top section view

Side section view

6U Blanking Panel

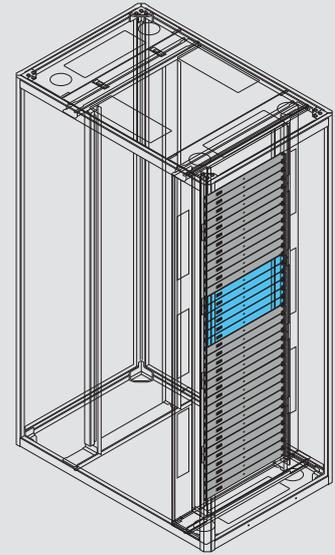
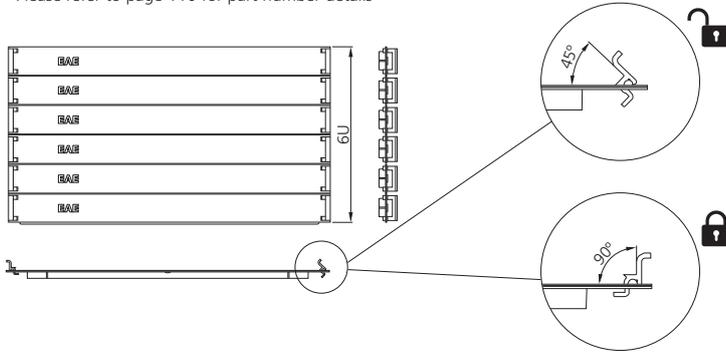
Blanking panels can be used for separating cold air in front of mounted equipment from hot air inside the cabinet.

- 6U breakable one by one
- Toolless mounting and locking feature
- Lock on each unit serves as handle for pulling out

Material : Halogen-free / plastic
Standard Delivery : 1 pcs 19 Inch 6U breakable blanking panel

| Part No | Description | Height (mm) |
|-----------------------|---|-------------|
| KP AF 6P CC | 19 inch 6U Breakable blanking panel, 1 pc. | 6U |
| KP AF 6P 10 CC | 19 inch 6U Breakable blanking panel, 10 pcs | 6U |

*CC: Color, BK: RAL 9005 Black WH: RAL 9003 White
*** Please refer to page 110 for part number details



KP AF 6P



6U breakable blanking panel

1U Blanking Panel

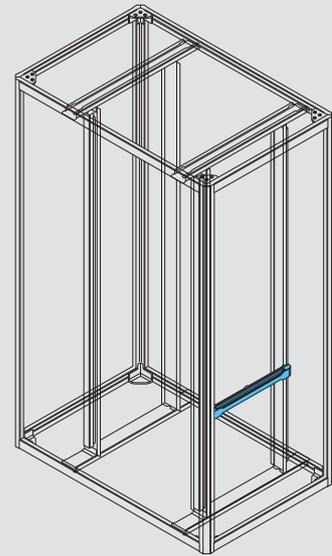
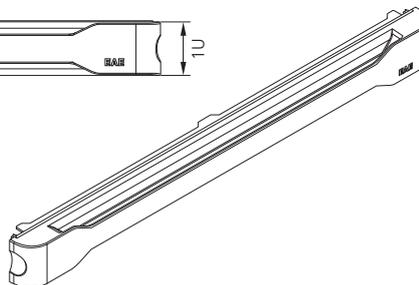
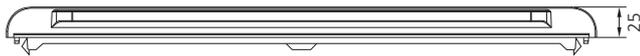
Blanking panels can be used for separating cold air in front of mounted equipment from hot air inside the cabinet.

- Toolless mounting and catching feature
- Integrated handle for pulling out

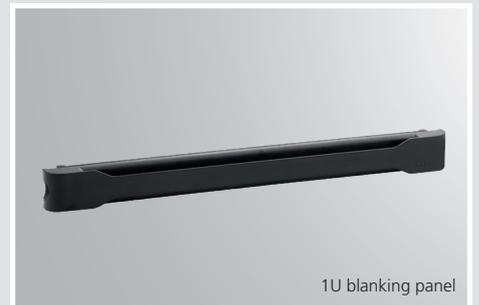
Material : Halogen-Free / Plastic
Finish :
Standard Delivery : 1 pcs 19 inch 1U blanking panel

| Ürün Kodu | Açıklama | Yükseklik (mm) |
|-----------|---------------------------|----------------|
| KP AF 1P | 19 inch 1U Blanking Panel | 1U |

*** Please refer to page 110 for part number details

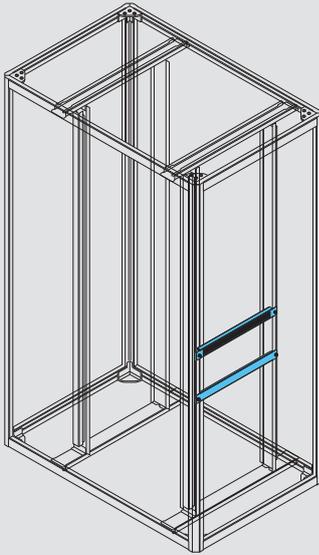


KP AF 1P



1U blanking panel

Airflow Management Accessories



KP AF

Metal Blanking Panel

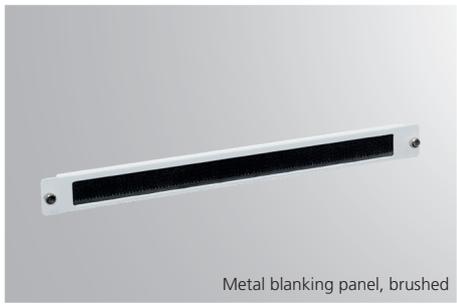
Blanking panels can be used for separating cold air in front of mounted equipment from hot air inside the cabinet.

- Possibility of passage to the back with brushed blanking panel

Material : Galvanized sheet metal
 Finish : Painted
 Standard Delivery : 1 pcs Metal blanking panel
 1 pcs Fixing kit

| Part No | Description | Height (mm) |
|--------------|---------------------------------------|------------------------|
| KP AF 1B CC | 19 inch Metal Blanking Panel, Brushed | 1U |
| KP AF HHM CC | 19 inch Metal Blanking Panel | 1U, 2U, 3U, 4U, 5U, 6U |

*HH: Height
 *CC: Color, BK: RAL 9005 Black WH: RAL 9003 White
 **CC: Please contact to sales for different color alternatives.
 *** Please refer to page 110 for part number details



Metal blanking panel, brushed



Metal blanking panel

Testing Blanking Panel

Testing blanking panels are developed to be a cost-effective solution for heat load and cooling efficiency (Layer 5) tests.

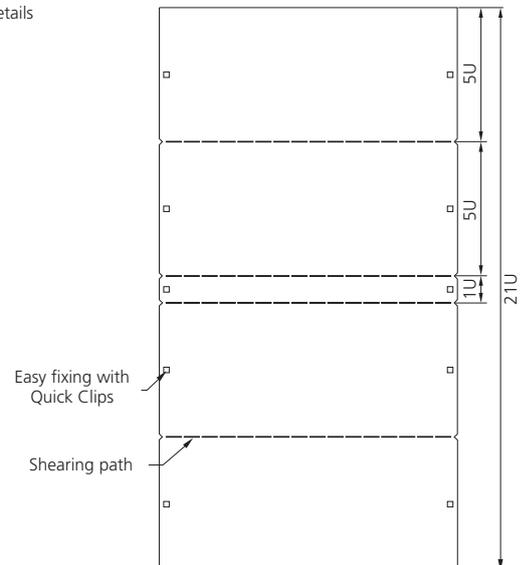
Material : Corrugated plastic plate
 Standard Delivery : 1 pc. testing blanking panel
 1 pcs Fixing kit including quick clips

| Part No | Description | Height (mm) |
|--------------|--------------------------------|-------------|
| KP AF 21P 10 | Testing Blanking Panel, 10 pcs | 21U |

*** Please refer to page 110 for part number details



Testing Blanking Panel



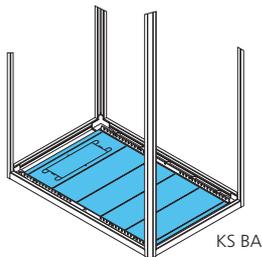
Bottom Cover

Bottom cover prevents dust entering into the cabinet and enables better control of airflow.

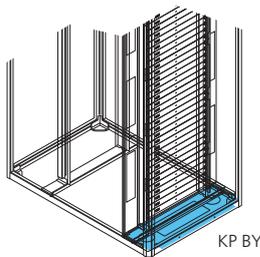
Material : Galvanized sheet metal
 Finish : Painted
 Standard Delivery : 1 pcs Bottom cover
 1 pcs Fixing kit

| Part No | Description | Width (mm) | Depth (mm) |
|-----------------------|---------------------------------|----------------|------------------|
| KP BA WW DD CC | Cabinet Bottom Cover Set, 3 pcs | 600, 800, 1000 | 1000, 1100, 1200 |
| KS BA WW DD CC | Cabinet Bottom Cover Set | 600, 800, 1000 | 1000, 1100, 1200 |
| KR BA WW DD CC | Cabinet Bottom Cover Set, 1 pcs | 600, 800 | 600, 800, 1000 |
| KP BY WW CC | Partial Bottom Cover Set | 600, 800, 1000 | |

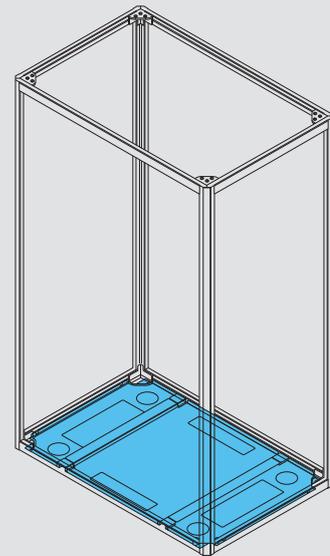
*WW: Width
 *DD: Depth
 *CC: Color, BK: RAL 9005 Black WH: RAL 9003 White
 **CC: Please contact to sales for different color alternatives.
 *** Please refer to page 110 for part number details



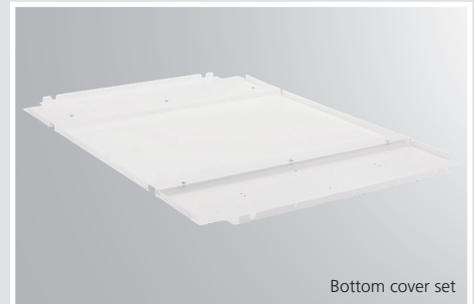
KS BA



KP BY



KP BA



Bottom cover set

Bottom Cover Plates

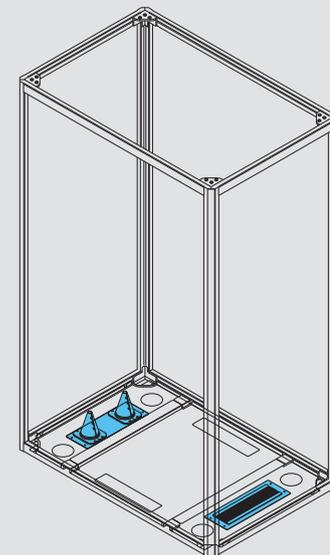
Bottom cover plates are designed to cover the bottom of the cabinet to prevent unwanted airflow and dust entry while enabling cable entry when necessary.

- Ability to be attached later at breakable cable entry knockouts

Material : Galvanized sheet metal
 Finish : Painted
 Standard Delivery : 1 pcs Cable Entry Cover
 1 pcs Brushed Module
 1 pcs Conic Cable Gland
 1 pcs Fixing kit

| Part No | Description | Width (mm) |
|-------------------------|---------------------------------------|--------------------|
| KP BC 02 B WW CC | Bottom Cover Plate, Brushed | 600 800 1000 |
| KP BC 02 P WW CC | Bottom Cover Plate, Solid | 600 800 1000 |
| KP BC 02 S WW CC | Bottom Cover Plate, Conic Cable Gland | 600 800 1000 |

*WW: Width
 *CC: Color, BK: RAL 9005 Black WH: RAL 9003 White
 **CC: Please contact to sales for different color alternatives.
 *** Please refer to page 110 for part number details

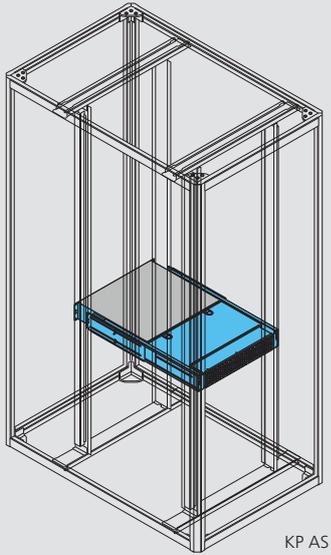


KP BC 02



Bottom cover plates

Airflow Management Accessories



Switch Airflow Module

Switch airflow module is designed to be used to achieve more efficient airflow management for switches with different air inlet and/or outlet directions.

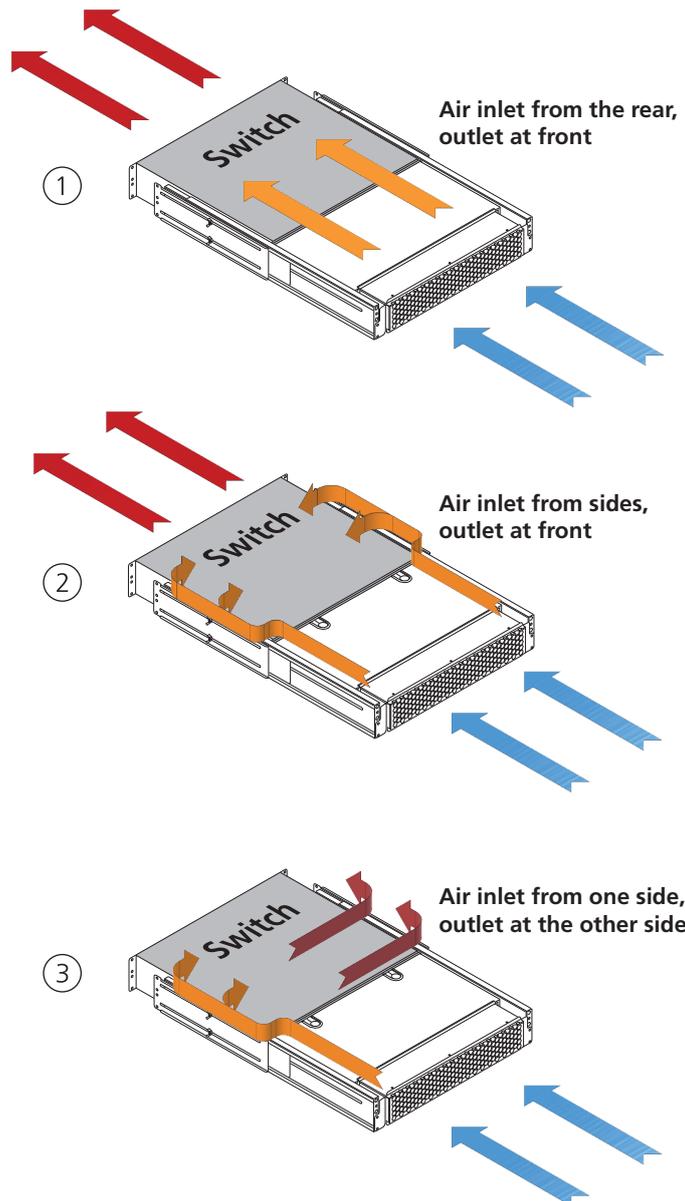
- One design suitable for all 3 applications (with different installation arrangement)

Material : Galvanized sheet metal
 Finish : Painted
 Standard Delivery : 1 pcs Airflow Module
 1 pcs Fixing kit

| Part No | Description | Height (mm) |
|-------------|---------------------------|-------------|
| KP AS 1U CC | Switch Airflow Module, 1U | 1U |
| KP AS 2U CC | Switch Airflow Module, 2U | 2U |

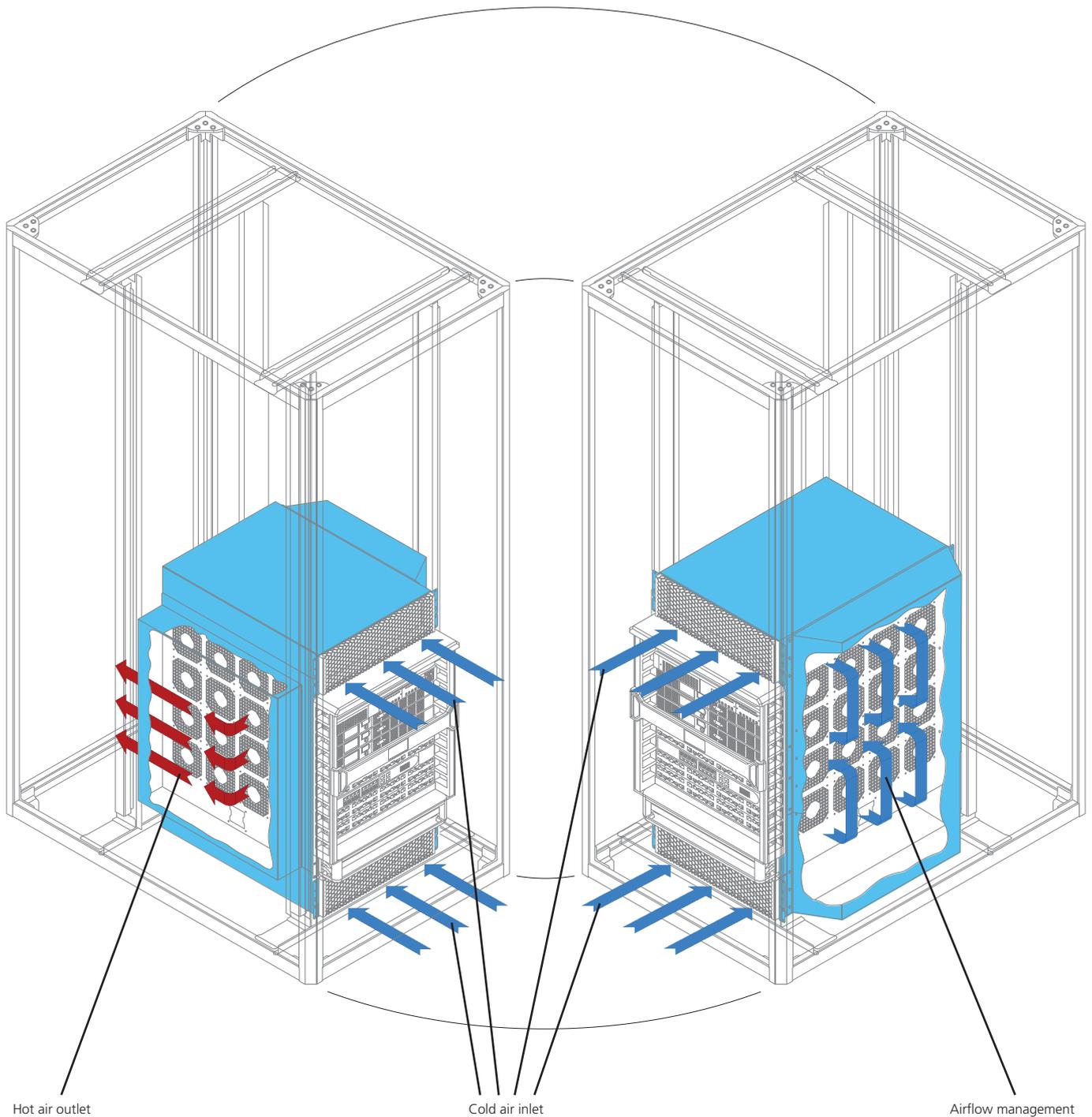
*CC: Color, BK: RAL 9005 Black WH: RAL 9003 White
 **CC: Please contact to sales for different color alternatives.
 *** Please refer to page 110 for part number details

Same product, different installation - suitable for all 3 applications



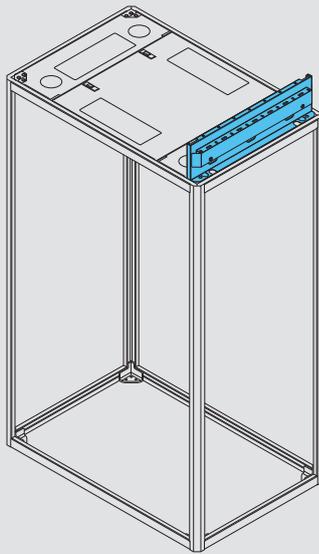
Switch Airflow Management Solutions

Switch manufacturers such as Cisco, HP, and Juniper have different models that vary in size and location of cold air inlet openings. Ask for information about our switch air routing solutions needed depending on the brand and model used.



Example: 14U Cisco Nexus 7009 Switch application

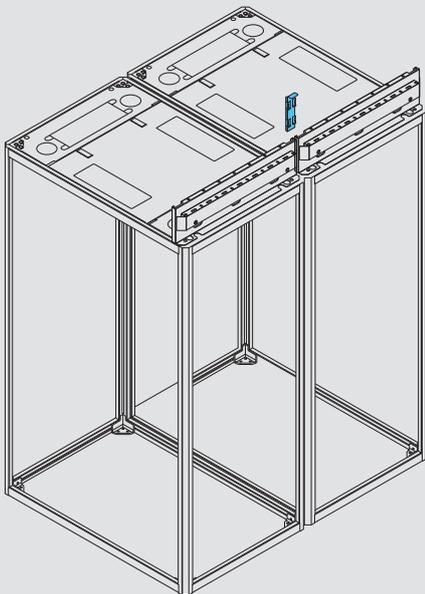
Airflow Management Accessories



KC AC



Cabinet overhead kit



KC AT 02



Cabinet overhead joining kit

Cabinet Overhead Kit

Cabinet overhead kit can be used in aisle containment applications for aligning cabinets with containment parts conveniently.

Material : Galvanized sheet metal
 Finish : Painted
 Standard Delivery : 1 pcs Cabinet overhead kit
 1 pcs Fixing kit

| Part No | Description | Height (mm) | Width (mm) |
|--------------------|----------------------|-------------|---------------------|
| KC AC WW CC | Cabinet Overhead Kit | 200 | 300, 600, 800, 1000 |

*WW: Width
 *CC: Color, BK: RAL 9005 Black WH: RAL 9003 White
 **CC: Please contact to sales for different color alternatives.
 *** Please refer to page 110 for part number details

Cabinet Overhead Joining Kit

Cabinet overhead joining kits are to be used especially in cold aisle containment applications for preventing cold air leakage between adjacent cabinet overhead kits.

Material : Galvanized sheet metal
 Finish : Painted
 Standard Delivery : 1 pcs Joint kit

| Part No | Description | Height (mm) |
|--------------------|------------------------------|-------------|
| KC AT 02 CC | Cabinet Overhead Joining Kit | 200 |

*CC: Color, BK: RAL 9005 Black WH: RAL 9003 White
 **CC: Please contact to sales for different color alternatives.
 *** Please refer to page 110 for part number details

Cabinet Front-Rear Floor Cover Cabinet Side Top / Floor Cover

To ensure air tightness in case of using castor and levelling feet.

Finish : Painted
Standard Delivery : 1 pc. Side skirts
1 pcs Fixing kit

| Part No | Description | Width (mm) | Depth (mm) |
|-------------|--------------------------------|----------------|-----------------------|
| KC AD DD CC | Cabinet Side Floor Cover | | 800, 1000, 1100, 1200 |
| KC AG WW CC | Cabinet Front-Rear Floor Cover | 600, 800, 1000 | |
| KS AD DD CC | Cabinet Side Floor Cover | | 800, 1000, 1100, 1200 |
| KS AG WW CC | Cabinet Front-Rear Floor Cover | 600, 800, 1000 | |
| KL AG WW CC | Cabinet Front-Rear Floor Cover | 600, 800 | |
| KC UD WW CC | Cabinet Side Floor Cover | | 800, 1000, 1100, 1200 |

*WW: Width
*DD: Depth
*CC: Color, BK: RAL 9005 Black WH: RAL 9003 White
**CC: Please contact to sales for different color alternatives.
*** Please refer to page 110 for part number details

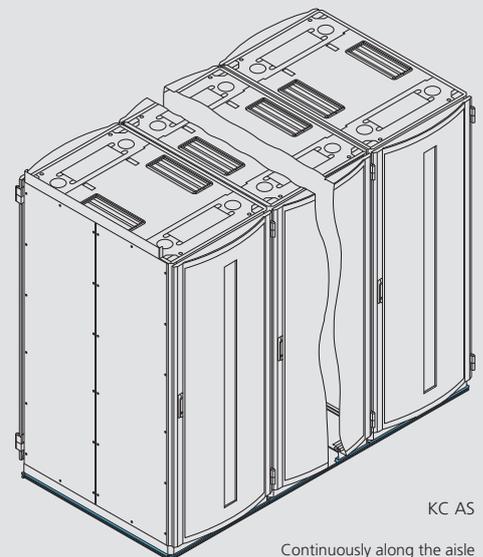
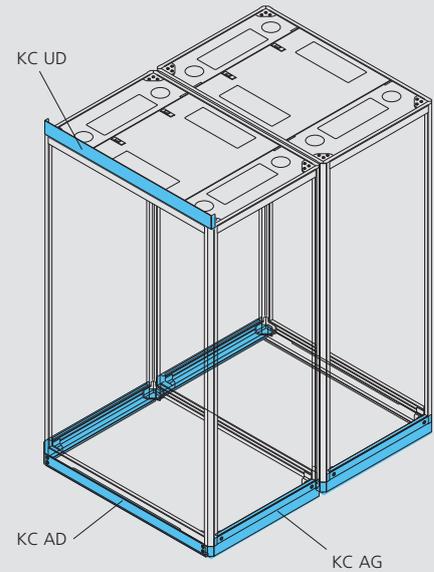
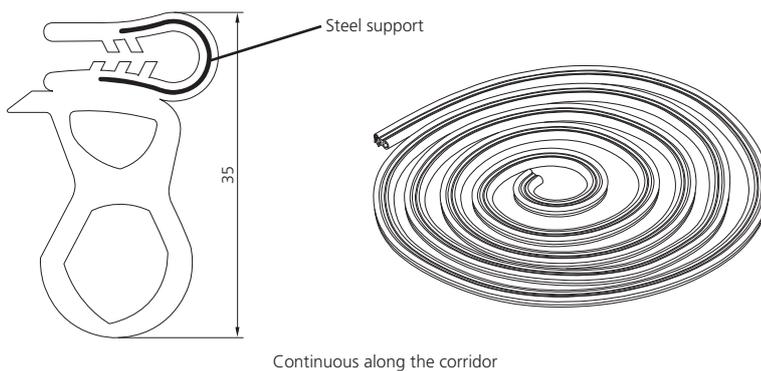
Cabinet Floor Gasket

Cabinet floor gaskets are to be attached to floor covers continuously without cutting, when all cabinets are bayed together forming a row. They are used for achieving higher airflow management efficiency.

Material : EPDM
Standard Delivery : 5 m, 10 m, 25 m

| Part No | Description | Length (m) |
|----------|---------------------------------|------------|
| KC AS LL | EPDM Gasket, with Steel Support | 5, 10, 25 |

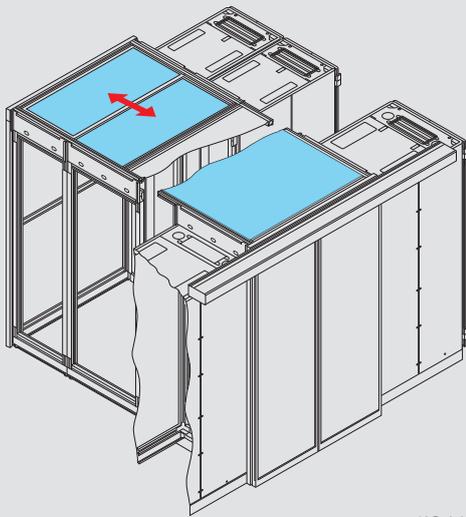
*LL: Length
*** Please refer to page 110 for part number details



Aisle Containment Accessories

Aisle Containment Module - Aluminum

Aluminum aisle containment modules are made of aluminum sigma profile frames and twinwall polycarbonate plates. They are combined in different sizes and used to create cold or hot aisle containments.



KC AA



Aisle containment module

Material : 45*45 Aluminum sigma profile
20 x 20 mm aluminum sigma profile - for sliding frames - twinwall (6 mm in sliding frames)

Finish : Painted

Standard Delivery : 1 set Aisle containment module
1 pcs Fixing kit

| Part No | Description | Width (mm) | Depth (mm) |
|-------------------|---|------------|-------------------------------------|
| KC AA WW DD CC | Aisle Containment Module, Fixed 45 x 45 mm aluminum sigma profile, 10 mm Twinwall Polycarbonate | 1200, 1800 | 1200, 1400,1600 |
| KC AA WW DD CC | Aisle Containment Module, Sliding 45 x 45 + 20 x 20 mm aluminum sigma profile, 6 mm twinwall polycarbonate | 1200, 1800 | 600 + 600 700 + 700 800 + 800 |

*WW: Width

*DD: Depth

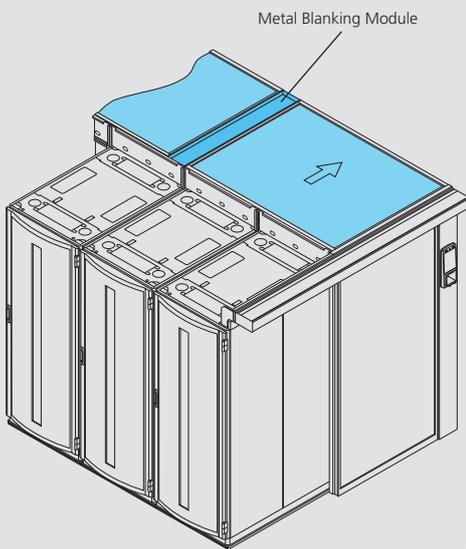
*CC: Color, BK: RAL 9005 Black WH: RAL 9003 White

**CC: Please contact to sales for different color alternatives.

*** Please refer to page 110 for part number details

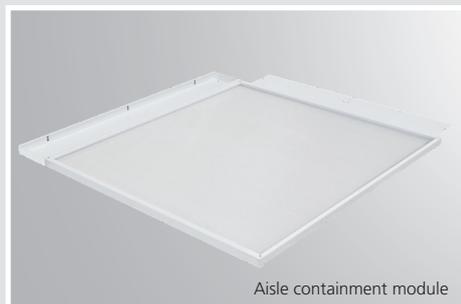
Aisle Containment Module - Metal

Metal aisle containment modules are made of steel frames and twinwall polycarbonate plates. They are combined in different sizes and used to create cold or hot aisle containments. Metal blanking modules are made of sheet steel and are used for fire sensor positioning at cold aisle containment applications.



Metal Blanking Module

KC AM



Aisle containment module

Material : Galvanized sheet metal
Corrugated polycarbonate - 10 mm

Finish : Painted

Standard Delivery : 1 set Containment module
1 pcs Fixing kit

| Part No | Description | Width (mm) | Depth (mm) |
|-------------------|---|------------|--------------------|
| KC AM WW DD CC | Aisle Containment Module, Metal Frame, 10 mm Twinwall Polycarbonate , Fixed | 1200, 1800 | 1200, 1400,1600 |
| KC AM WW DD CC | Aisle Containment Metal Blanking Module | 1200, 1800 | 200 |

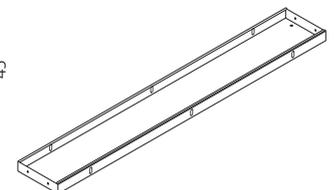
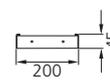
*WW: Width

*DD: Depth size

*CC: Color, BK: RAL 9005 Black WH: RAL 9003 White

**CC: Please contact to sales for different color alternatives.

*** Please refer to page 110 for part number details



Aisle Containment Module - Emergency Self-Opening

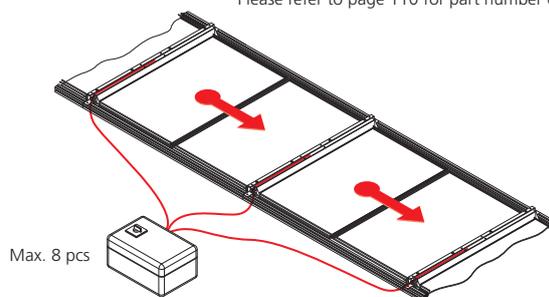
In case of emergency and loss of supply power self-opening aisle containment modules with sliding frames are able to open automatically by themselves by releasing stored energy on their mechanism.

Material : 45 x 45 + 20 x 20 mm aluminum sigma profile
 twinwall polycarbonate - 6 mm
 Finish : Painted
 Standard Delivery : 1 set Aisle containment module
 1 pcs Fixing kit

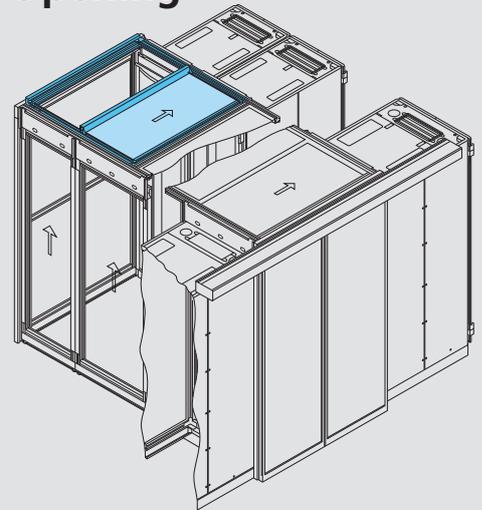
| Part No | Description | Width (mm) | Depth (mm) |
|---------------------------------|---|------------|---------------------------|
| KC MN WW DD CC | Aisle Containment Module, Emergency Self-Opening 45 x 45 + 20 x 20 mm aluminum sigma profile, 6 mm twinwall polycarbonate | 1200 | 1000, 1200, 1400, 1600 |
| KC MN 08 | Control Panel | | |

*WW: Width
 *DD: Depth

*CC: Color, BK: RAL 9005 Black WH: RAL 9003 White
 **CC: Please contact to sales for different color alternatives.
 *** Please refer to page 110 for part number details



Automatic opening feature in case of emergency



KC MN



Aisle containment module - emergency self opening

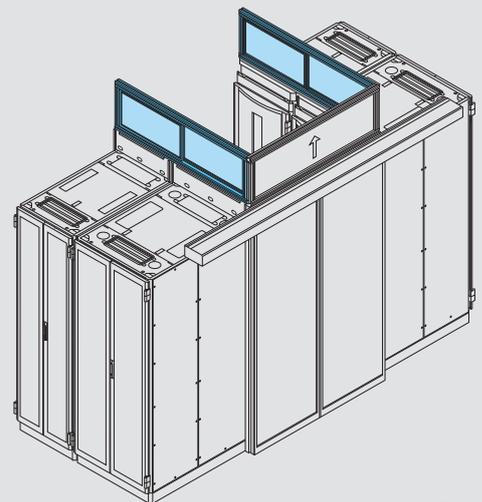
Overhead Vertical Containment Module

Overhead vertical containment modules can be used to increase aisle height. This may be needed for accessing to top of cabinet from inside the aisle by selecting sliding type containment module.

Material : 45x45 Aluminum sigma profile
 20 x 20 mm aluminum sigma profile - for sliding frames -
 twinwall polycarbonate - 10 mm (6 mm in sliding frames)
 Finish : Painted
 Standard Delivery : 1 set Aisle containment module
 1 pcs Fixing kit

| Part No | Description | Height (mm) | Width (mm) |
|---------------------------------|---|-------------|-------------------------------------|
| KC AA HH WW CC | Aisle Containment Module, Fixed 45 x 45 mm aluminum sigma profile, 10 mm Twinwall Polycarbonate | 1000 | 1200, 1400,1600 |
| KC AA HH WW CC | Aisle Containment Module, Sliding 45 x 45 + 20 x 20 mm aluminum sigma profile, 6 mm twinwall polycarbonate | 500, 1000 | 600 + 600 700 + 700 800 + 800 |

*HH: Height
 *WW: Width
 *CC: Color, BK: RAL 9005 Black WH: RAL 9003 White
 **CC: Please contact to sales for different color alternatives.
 *** Please refer to page 110 for part number details



KC AA



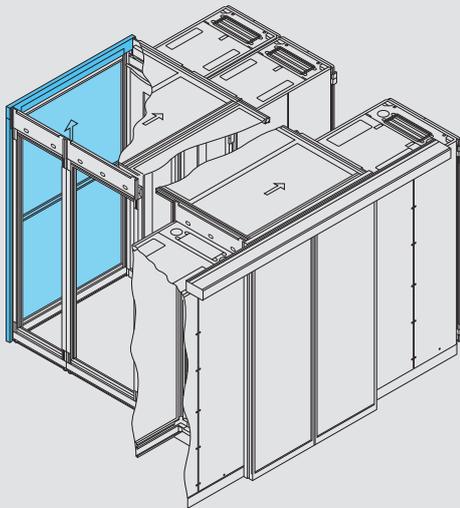
Overhead vertical corridor covering

Aisle Containment Accessories

Aisle Containment End Wall

It is used to close one side of hot or cold aisles.

- Material : 45*45 Aluminum sigma profile
twinwall polycarbonate - 10 mm
- Finish : Painted
- Standard Delivery : 1 set Aisle containment module
1 pcs Fixing kit



KC DA

| Part No | Description | Height (mm) | Width (mm) |
|-------------------|---|-------------|------------|
| KC DS HH WW CC | Aisle Containment End Wall, 45 x45 mm Aluminum Sigma Profile 10 mm Twinwall Polycarbonate | 42U, 47U | 1200, 1800 |

- *HH: Height
- *WW: Width
- *CC: Color, BK: RAL 9005 Black WH: RAL 9003 White
- **CC: Please contact to sales for different color alternatives.
- *** Please refer to page 110 for part number details

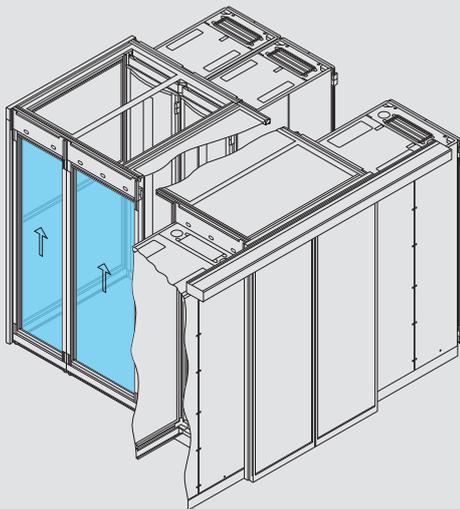


Aisle containment end wall

Vertical Aisle Containment Module

To prevent air leakage in areas where cabinets are not positioned within the row with aluminum sigma profile and corrugated polycarbonate.

- Material : 45*45 Aluminum sigma profile
twinwall polycarbonate - 10 mm
- Finish : Painted
- Standard Delivery : 1 set Aisle containment module
1 pcs Fixing kit



KC AA

| Part No | Description | Height (mm) | Width (mm) |
|-------------------|--|-------------|------------|
| KC AA HH WW CC | Vertical Aisle Containment 45x45 mm Aluminum Sigma Profile, 10 mm Twinwall Polycarbonate | 42U, 47U | 600, 800 |

- *HH: Height
- *WW: Width
- *CC: Color, BK: RAL 9005 Black WH: RAL 9003 White
- **CC: Please contact to sales for different color alternatives.
- *** Please refer to page 110 for part number details



Vertical aisle containment

Free-Standing Aisle

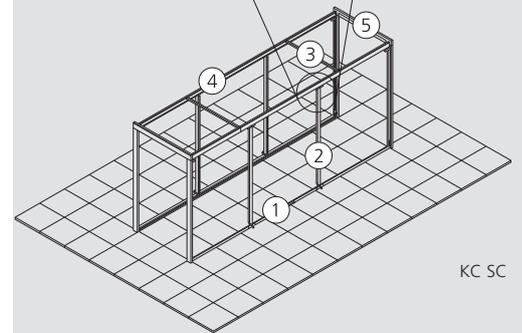
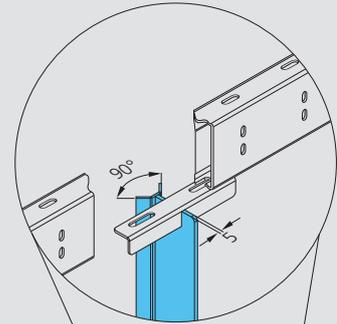
Free-standing aisle is a steel structure which is easy to assemble on site. Modular design enables to match different needs in dimensions. It provides flexibility for future investments.

- Modular design - extendable aisle length
- Thin vertical support rail design prevents increase of aisle length.

Material : Galvanized sheet metal
 Finish : Painted
 Standard Delivery : 1 set free-standing aisle parts depending on configuration

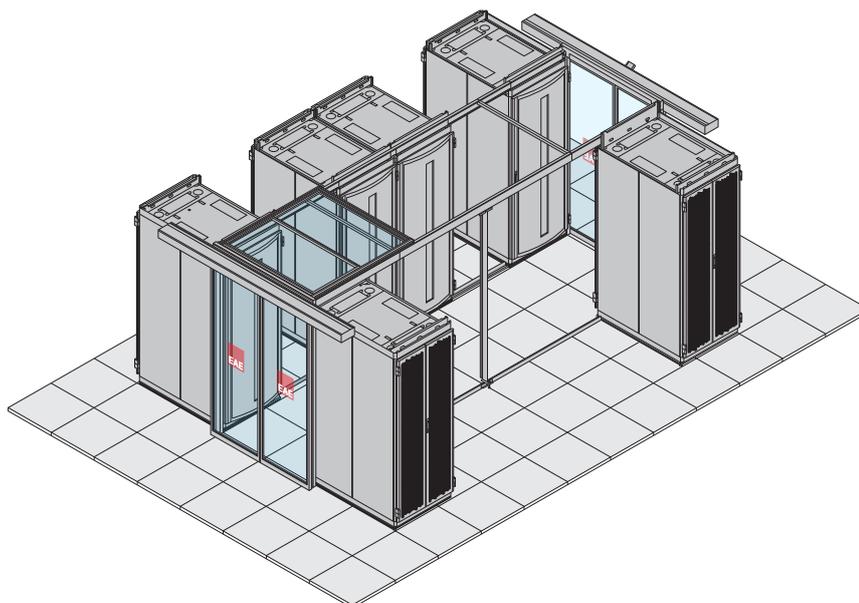
| Part No | Description | Height (mm) | Width (mm) |
|--------------------|---|-------------|--|
| KC SC WW CC | Aisle Floor Rail ① | | 1200, 1400, 1600, 1800, 2000, 2200, 2400 |
| KC SC HH CC | Vertical Support Rail ② | 42U, 47U | |
| KC SC WW CC | Aisle Width Rail ③ | | 1200, 1800 |
| KC SC WW CC | Aisle Support Rail ④ | | 1200, 1400, 1600, 1800, 2000, 2200, 2400 |
| KC SC 01 CC | Aisle Connection Set for connecting door mounting modules ⑤ | | |

*HH: Height
 *WW: Width
 *CC: Color, BK: RAL 9005 Black; WH: RAL 9003 White
 **CC: Please contact to sales for different color alternatives.
 ***Please refer to page 110 for part number details



KC SC

Each vertical support rail causes only 5 mm loss in aisle length.

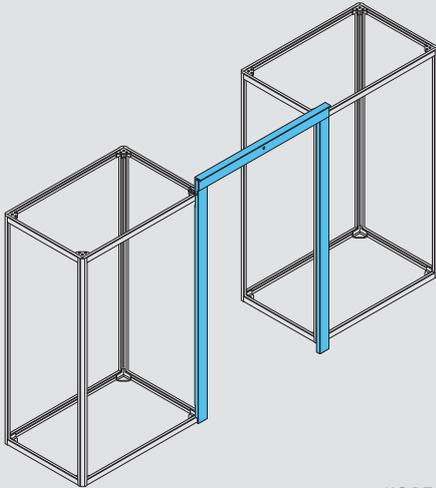


Aisle Containment Accessories

Aisle Door Mounting Module

Aisle door mounting modules are used to carry automatic or manual aisle sliding doors and to integrate them into the aisle containment system.

Material : Galvanized sheet metal
 Finish : Painted
 Standard Delivery : 1 pcs Aisle door mounting module
 1 pcs Fixing kit



KC DT



Aisle door mounting module

| Part No | Description | Height (mm) | Width (mm) |
|-----------------------------------|---|-------------|------------|
| KC DT HH WW CC | Aisle Door Mounting Module, Double Opening 42U, 47U | 42U, 47U | 1200, 1800 |
| KC DT HH WW R CC | Aisle Door Mounting Module, Right Opening 42U, 47U | 42U, 47U | 1200 |
| KC DT HH WW L CC | Aisle Door Mounting Module, Left Opening 42U, 47U | 42U, 47U | 1200 |

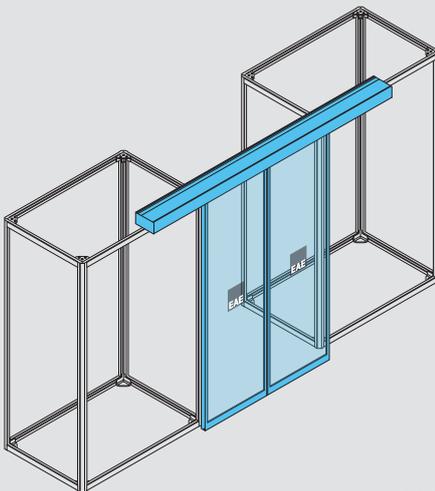
*HH: Height
 *WW: Width
 *CC: Color, BK: RAL 9005 Black; WH: RAL 9003 White
 **CC: Please contact to sales for different color alternatives.
 ***Please refer to page 110 for part number details

Automatic Aisle Door

Automatic aisle door is used for access control and efficient airflow management in cold and hot aisle containment system.

- Gaskets that provide complete air sealing in closed position
- Please refer to page 32 for more details

Material : Aluminum frame, 4+4 laminated glass
 Finish : Painted
 Standard Delivery : 1 pcs Automatic sliding door mechanism
 2 pcs 4+4 mm laminated glass



KC DO



Automatic aisle door

| Part No | Description | Height (mm) | Width (mm) |
|-----------------------------------|---|-------------|------------|
| KC DO HH WW D CC | Automatic Sliding Door, Double Opening 4+4 Laminated Glass, Certain Photocell Sensor, Battery | 42U, 47U | 1200, 1800 |
| KC DO HH WW R CC | Automatic Sliding Door, Right Opening 4+4 Laminated Glass, Certain Photocell Sensor, Battery | 42U, 47U | 1200 |
| KC DO HH WW L CC | Automatic Sliding Door, Left Opening 4+4 Laminated Glass, Certain Photocell Sensor, Battery | 42U, 47U | 1200 |

*HH: Height
 *WW: Width
 *CC: Color, BK: RAL 9005 Black; WH: RAL 9003 White
 **CC: Please contact to sales for different color alternatives.
 ***Please refer to page 110 for part number details

Manual Aisle Door

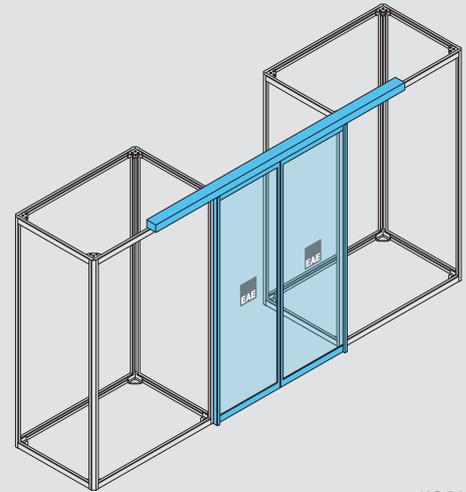
Manual aisle door is used for efficient airflow management in cold and hot aisle containment system.

- Gaskets that provide complete air sealing in closed position
 - Please refer to page 32 for more details

Material : Aluminum frame, 4+4 laminated glass
 Finish : Painted
 Standard Delivery : 1 pcs Manuel door mechanism
 2 pcs 4+4 mm laminated glass

| Part No | Description | Height (mm) | Width (mm) |
|-----------------------------------|--|-------------|------------|
| KC DM HH WW D CC | Manuel Door, Double Opening 4+4 Laminated Glass, Door motion | 42U, 47U | 1200, 1800 |
| KC DM HH WW R CC | Manuel Door, Single Wing, Right Opening 4+4 Laminated Glass, Door motion | 42U, 47U | 1200 |
| KC DM HH WW L CC | Manuel Door, Single Wing, Left Opening 4+4 Laminated Glass, Door motion | 42U, 47U | 1200 |

*HH: Height
 *WW: Width
 *CC: Color, BK: RAL 9005 Black; WH: RAL 9003 White
 **CC: Please contact to sales for different color alternatives.
 ***Please refer to page 110 for part number details



KC DM



Manuel Aisle Door

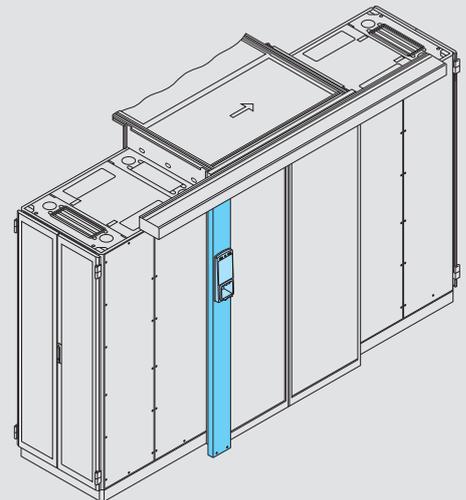
Access Control Units

As an integral unit of access control system access control units are used to manage automatic aisle doors.

Material : Galvanized sheet metal
 Finish : Painted
 Standard Delivery : 1 pcs Mounting module
 1 pcs Hand sensor

| Part No | Description | Height (mm) |
|--------------------|-----------------|-------------|
| KC ES 01 | Hand Sensor | |
| KC ES HH CC | Mounting Module | 42U, 47U |

*HH: Height
 *CC: Color, BK: RAL 9005 Black; WH: RAL 9003 White
 **CC: Please contact to sales for different color alternatives.
 ***Please refer to page 110 for part number details



KC ES



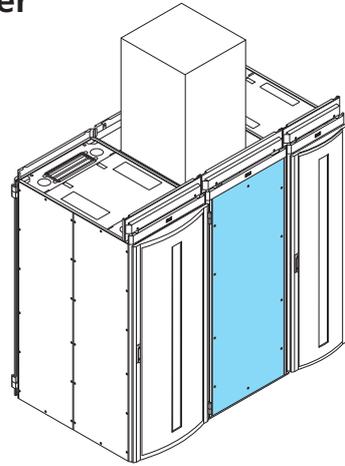
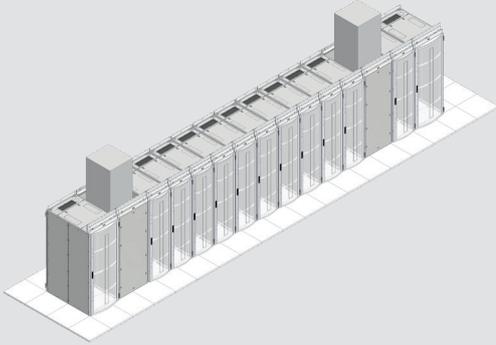
Sensor carrier pillar does not prevent the automatic door from operating.

Hand Sensor

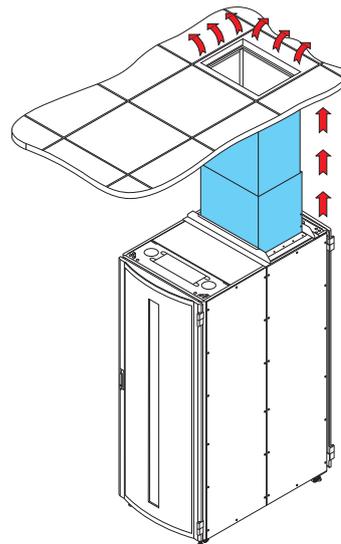
Note: The sensor carrier pillar does not prevent the automatic door from operating.

Non-Standard Containment Solutions

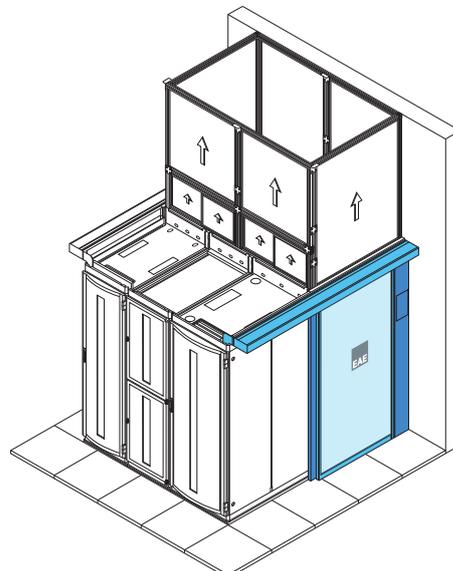
Column Cover



Top-of-cabinet Chimney



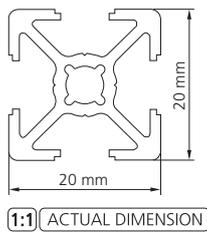
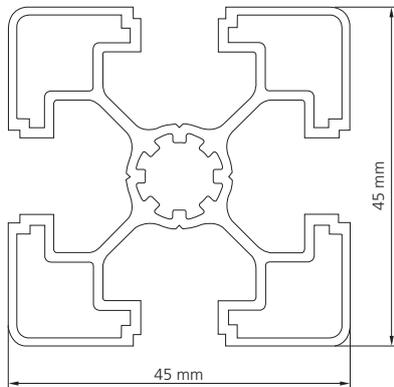
Single Row Aisle Containment



Caution: For door opening direction, please refer page 82.

Aluminum Sigma Profile and Containment Panel Material Alternatives

Frame Structure



Solid Polycarbonate

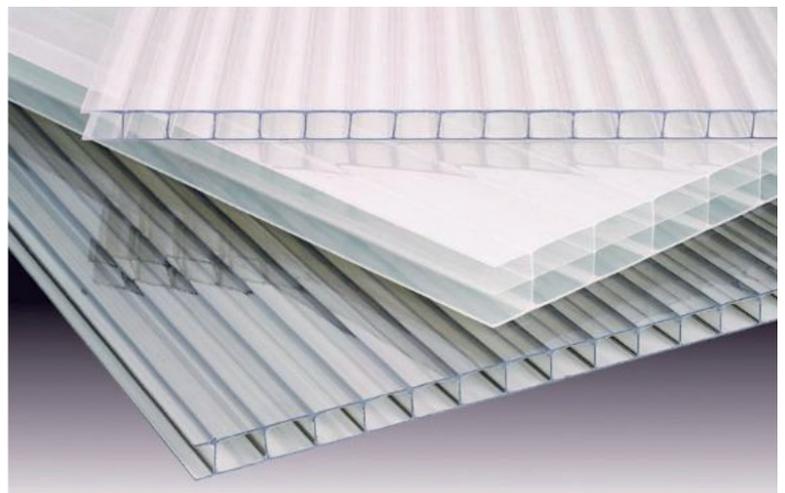


Containment Material Alternatives

Glass

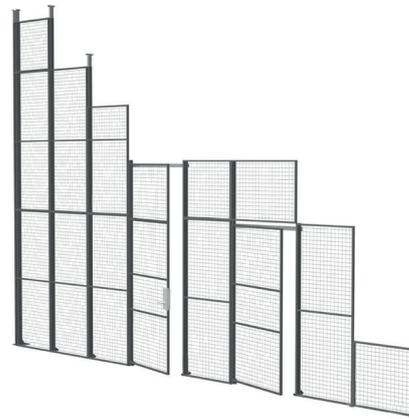
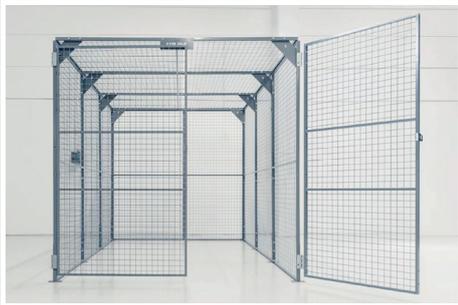
- Tempered glass
- Laminated glass
- Smoked glass
- Clear glass

Twinwall Polycarbonate



Additional Physical Security Solutions

Fixed Caging Solutions



Application Examples

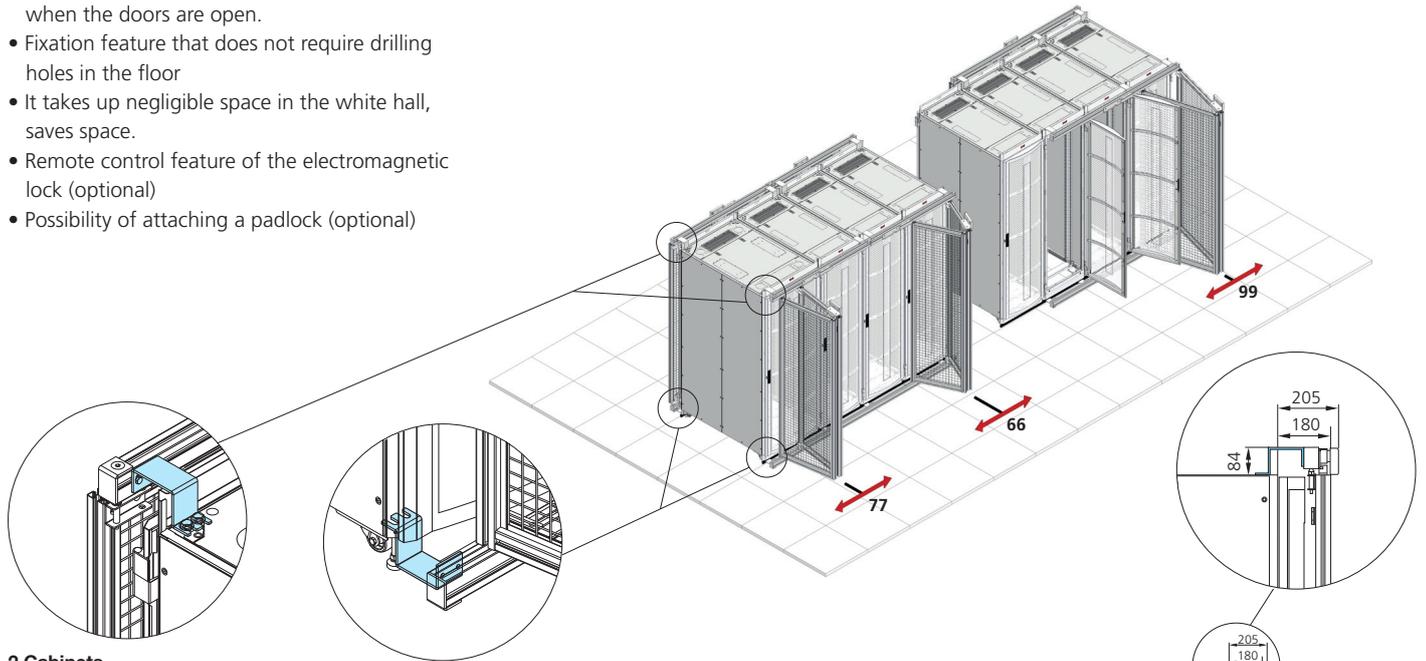


Under raised floor

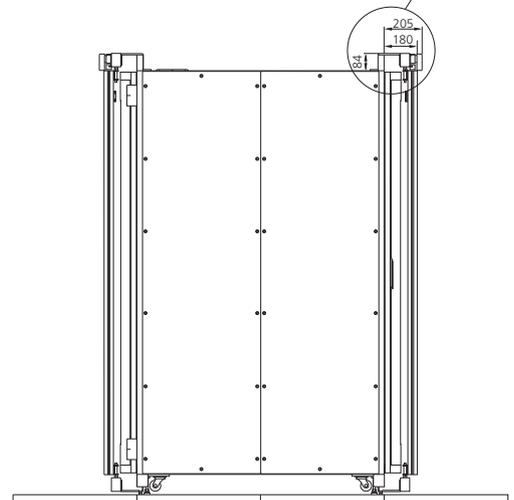
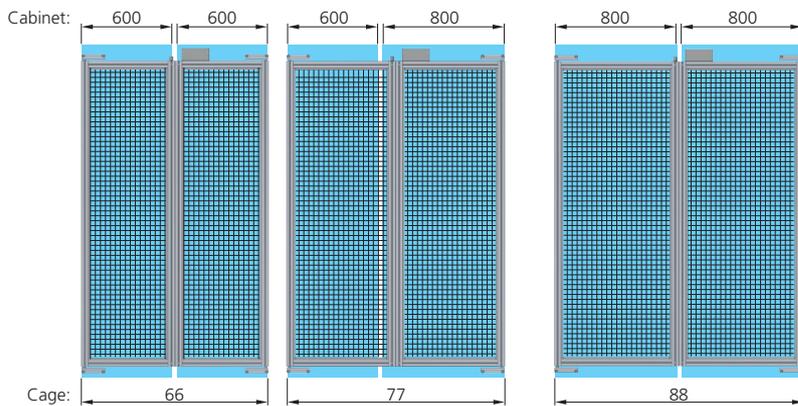
Sliding Cage Solutions

- Possibility of adding or removing sliding cage partitions when desired.
- Standard 2 cabinet or 3 cabinet sets can be combined for groups of 4, 5 or more cabinets.
- Sliding cage rails on the top and the floor are easily fixed to the robust cabinet construction when the doors are open.
- Fixation feature that does not require drilling holes in the floor
- It takes up negligible space in the white hall, saves space.
- Remote control feature of the electromagnetic lock (optional)
- Possibility of attaching a padlock (optional)

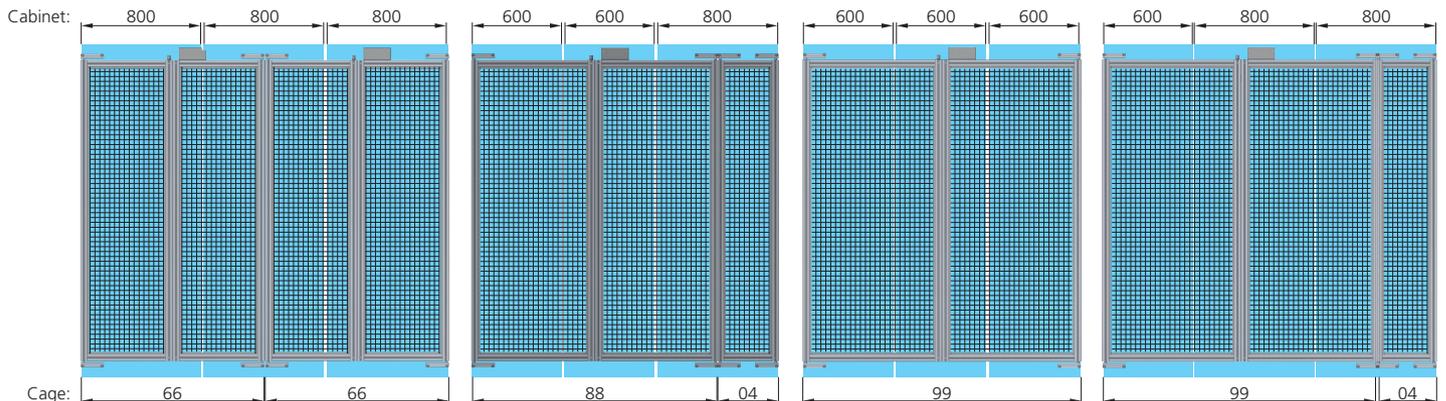
| Description | Height (mm) | Module | Nominal Width (mm) |
|---------------|-------------|-----------------------|--------------------|
| 2 Cabinet set | 42U, 47U | 66, 77, 88 | 1200, 1400, 1600 |
| 3 Cabinet set | 42U, 47U | 66+66, 88+4, 99, 99+4 | 1200, 1400, 1600 |



2 Cabinets



3 Cabinets

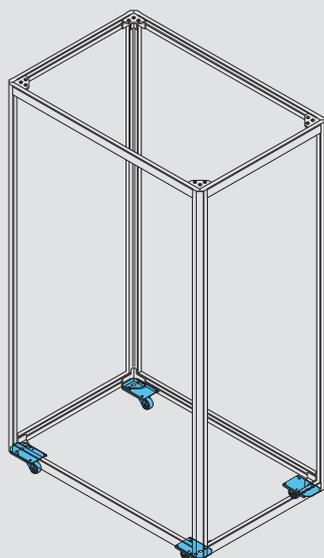


All dimensions are in mm unless stated.

Castor Set

Caster sets are used to move cabinets to desired points when they are empty.

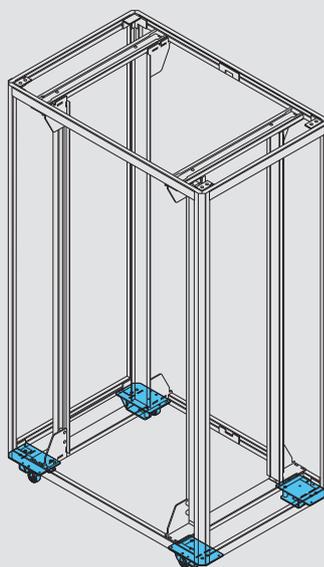
Material : Galvanized sheet metal
 Finish : Painted
 Standard Delivery : 1 pcs Castor set without brakes
 1 pcs Fixing kit



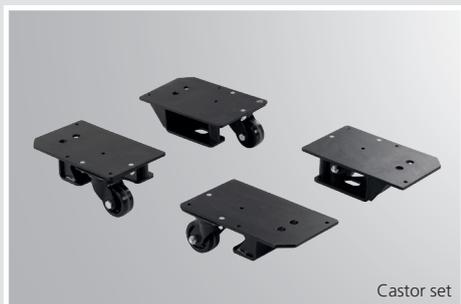
KP BT 01



Castor set



KP BT 02



Castor set

| Part No | Description |
|-------------|---|
| KP BT 01 CC | Castor Set, Without Brake, 4 pcs |
| KP BT 02 CC | Castor Set, Without Brake, For seismic stand, 4 pcs |
| KR BT 01 | Castor Set, 2 pcs With Brake, 2 pcs Without Brake |
| KM BT 01 | Castor Set, 2 pcs With Brake, 2 pcs Without Brake |

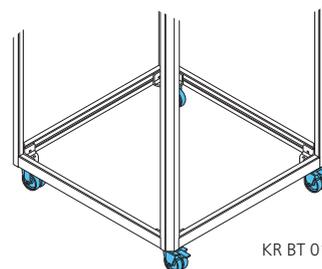
*CC: Color, BK: RAL 9005 Black WH: RAL 9003 White
 **CC: Please contact to sales for different color alternatives.
 *** Please refer to page 110 for part number details



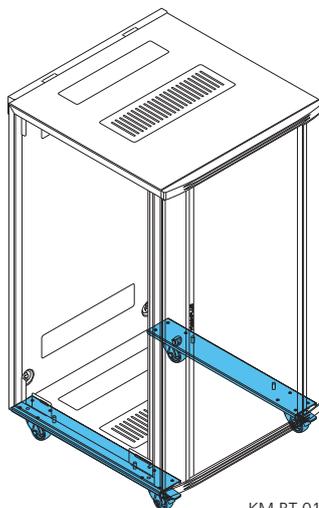
Standard



With Brake



KR BT 01



KM BT 01



KM BT 01

Levelling Feet

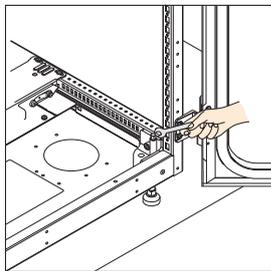
Levelling feet are used to level the cabinets on uneven surfaces.

- Adjustable from inside and outside

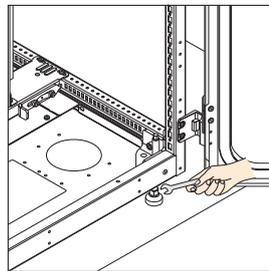
Material : Steel
 Finish : Galvanized
 Standard Delivery : 1 pcs Levelling Feet set

| Part No | Description |
|----------|-----------------------|
| KP BF 01 | Levelling Feet, 4 pcs |

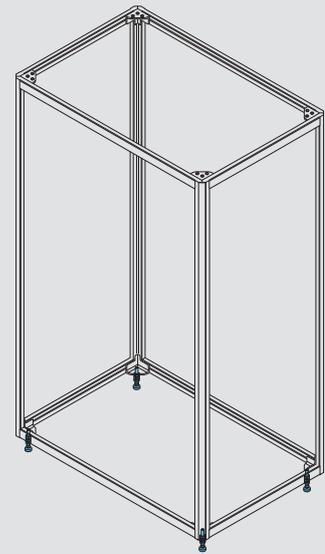
*** Please refer to page 110 for part number details



Adjustment from inside



Adjustment from outside



KP BF 01



Levelling feet

Floor Fixing Kit and Bracket Set

Floor fixing accessories are used to fix cabinets onto the floor.

Material : Galvanized sheet metal
 Finish : Galvanized
 Standard Delivery : 1 pcs Floor fixing kit

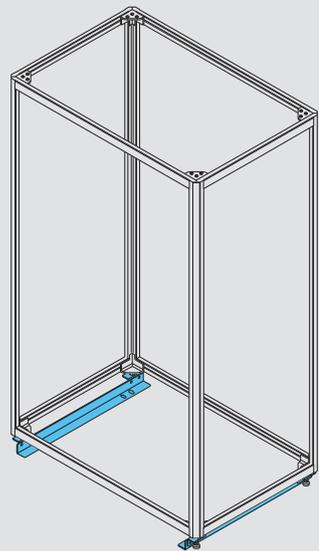
| Part No | Description | Width (mm) |
|---------------------------|-------------------------|----------------|
| KP FL 01 | Floor Fixing Kit, 4 pcs | |
| KD FL WW CC | Floor Fixing Kit, 2 pcs | 600, 800, 1000 |

*WW: Width

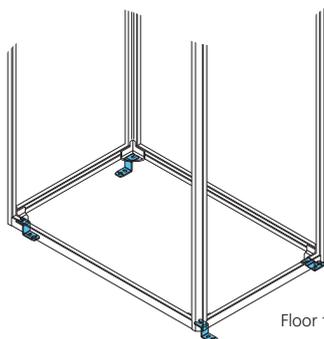
*CC: Color, BK: RAL 9005 Black; WH: RAL 9003 White

**CC: Please contact to sales for different color alternatives.

***Please refer to page 110 for part number details



KD FL



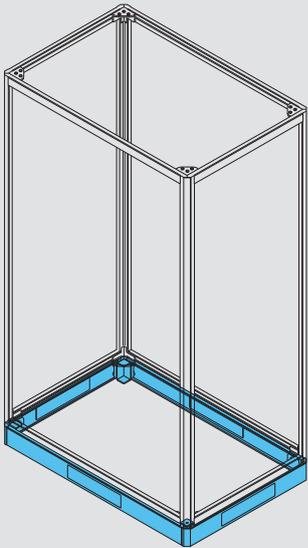
Floor fixing bracket set



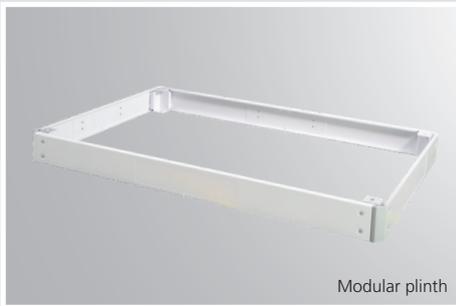
KP FL 01



Floor fixing kit



KP BP



Modular plinth

Modular Plinth

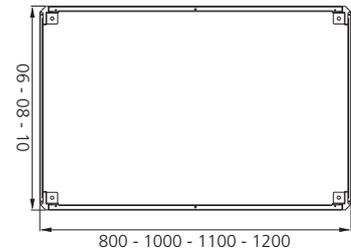
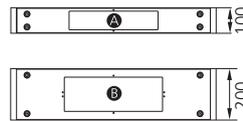
Modular plinths are used to fix cabinets onto the floor.

- Provides flexibility in cabling thanks to its modular structure
- Knockouts for attaching cable entry module

Material : Galvanized sheet metal
 Finish : Painted
 Standard Delivery : 1 set Modular plinth
 1 pcs Fixing kit

| Part No | Description | Height (mm) | Width (mm) | Depth (mm) |
|------------------------------------|----------------|-------------|------------------|-------------------------|
| KP BP HH WW DD CC | Modular Plinth | 100, 200 | 600, 800 1000 | 800, 1000 1100, 1200 |

* HH: Height
 * WW: Width
 * DD: Depth
 * CC: Color, BK: RAL 9005 Black WH: RAL 9003 White
 **CC: Please contact to sales for different color alternatives.
 *** Please refer to page 110 for part number details



Monoblock Plinth

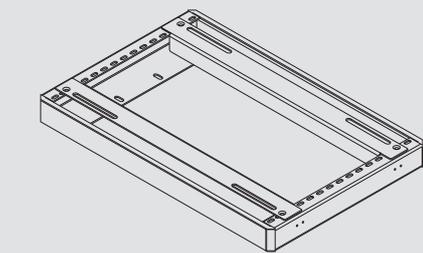
Monoblock plinths can be used to fix seismic cabinets onto the floor.

- Adjustable add-on rails provide flexibility for fixing non-standard cabinets

Material : Galvanized sheet metal
 Finish : Painted
 Standard Delivery : 1 set Monoblock plinth
 1 pcs Fixing kit

| Part No | Description | Height (mm) | Width (mm) | Depth (mm) |
|---------------------------------|--------------------------------|-------------|------------------|--------------------------|
| KD BD WW DD CC | Monoblock Seismic Plinth | 100 | 600, 800 1000 | 800, 1000 1100, 1200 |
| KS BD WW DD CC | Monoblock Seismic Plinth | 100 | 600, 800 1000 | 800, 1000 1100, 1200 |
| KD BN WW DD CC | Non-standart Plinth Rail, 5 mm | | | 800, 1000, 1100, 1200 |

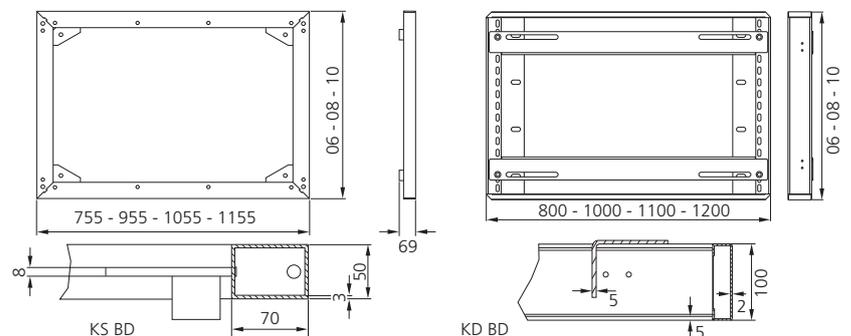
*WW: Width
 *DD: Depth
 *CC: Color, BK: RAL 9005 Black WH: RAL 9003 White
 **CC: Please contact to sales for different color alternatives.
 *** Please refer to page 110 for part number details



KD BD



Monoblock seismic plinth



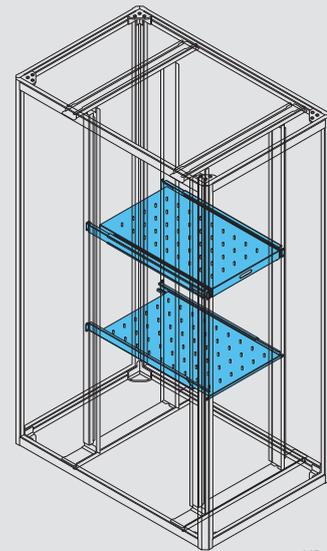
19 Inch Shelf

Suitable with all KabinPLUS cabinet series KD, KS, KR, KL.

Material : Galvanized sheet metal
 Finish : Painted
 Standard Delivery : 1 set 19 inch shelf
 1 pcs Fixing kit

| Part No | Description | Height (mm) | Depth (mm) |
|--------------|---|-------------|----------------------------------|
| KP RS 250 CC | 19 inch Fixed Shelf, 2 Points Connection | 1U | 600, 800, 1000, 1100, 1200 |
| KP RS 450 CC | 19 inch Fixed Shelf, 4 Points Connection | 1U | 600, 800, 1000 |
| KP RS 700 CC | 19 inch Fixed Shelf, 4 Points Connection | 1U | 1100, 1200 |
| KP RH 450 CC | 19 inch Sliding Shelf, 4 Points Connection | 1U | 600, 800, 1000 |
| KP RH 700 CC | 19 inch Sliding Shelf, 4 Points Connection | 1U | 1100, 1200 |

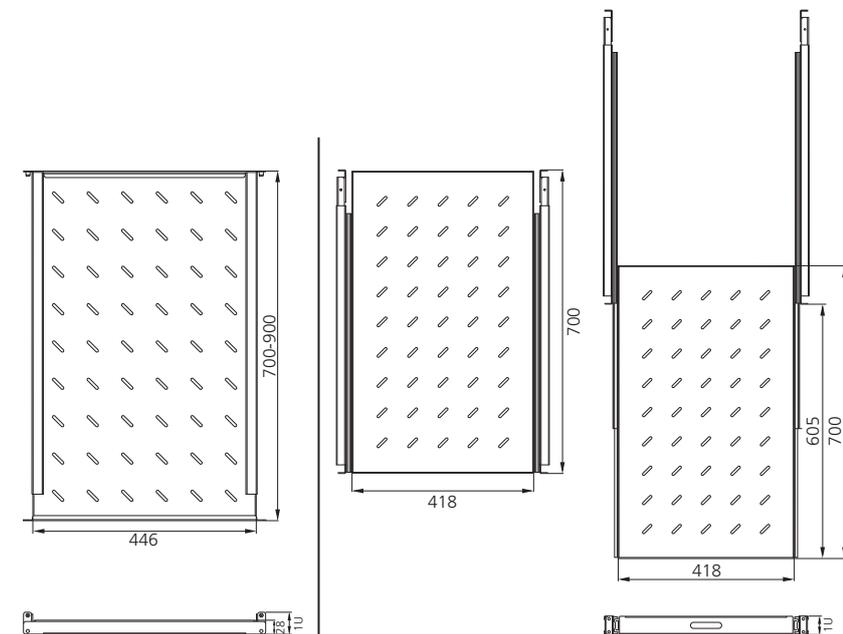
*CC: Color, BK: RAL 9005 Black WH: RAL 9003 White
 **CC: Please contact to sales for different color alternatives.
 *** Please refer to page 110 for part number details



KP RS / KP RH



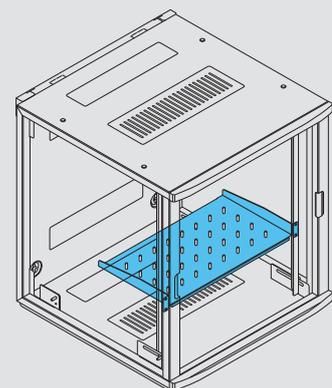
19 Inch shelf



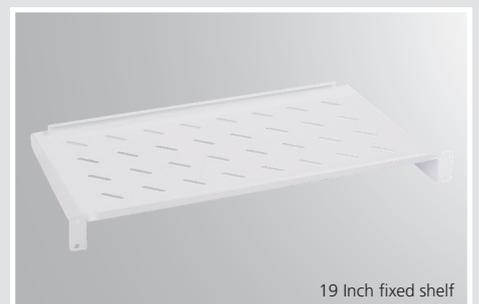
4 Points Connection fixed shelf

Sliding shelf

2 Points Connection fixed shelf



KP RS

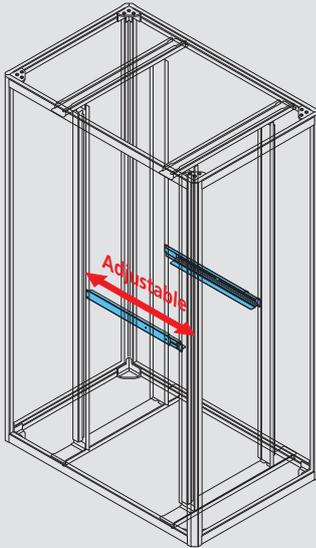


19 Inch fixed shelf

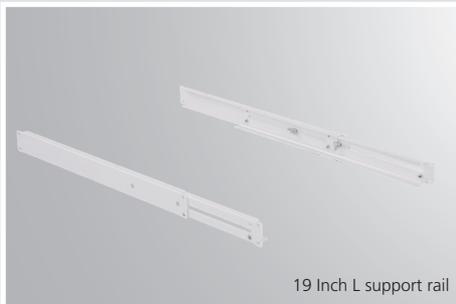
L Support Rail

L support rails are designed to support equipments with different depth dimensions during mounting on 19 inch mounting rails.

Material : Galvanized sheet metal
 Finish : Painted
 Standard Delivery : 1 set L Support rail
 1 Fixing kit



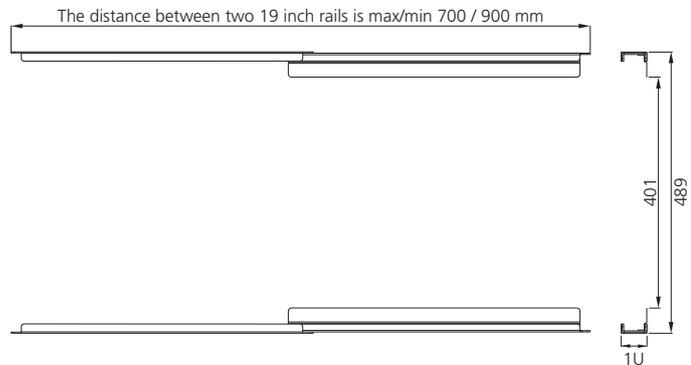
KP RL



19 Inch L support rail

| Part No | Description | Height (mm) | Depth (mm) |
|----------------|------------------------|-------------|------------------|
| KP RL 10 12 CC | 19 inch L Support Rail | 1U | 1000, 1100, 1200 |

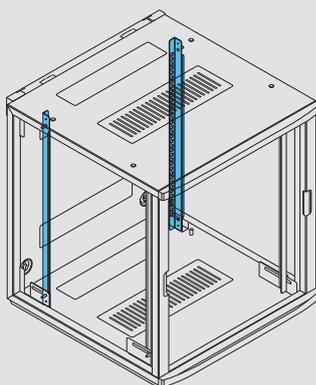
*CC: Color, BK: RAL 9005 Black WH: RAL 9003 White
 **CC: Please contact to sales for different color alternatives.
 *** Please refer to page 110 for part number details



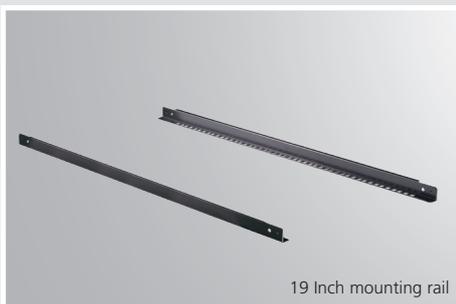
Wall-Mount Cabinet 19 Inch Mounting Rails

These 19 inch mounting rails are used for fixing deep equipments with four fixing points in wall-mount cabinets.

Material : Galvanized sheet metal
 Finish : Painted
 Standard Delivery : 1 set 19 Inch mounting rail
 1 pcs Fixing kit



KM MS



19 Inch mounting rail

| Part No | Description | Height (mm) |
|----------|------------------------------------|----------------------------|
| KM MS HH | 19 inch Mounting Rail, 2 pcs rails | 7U / 9U / 12U 16U / 20U |

*HH: Height
 *** Please refer to page 110 for part number details

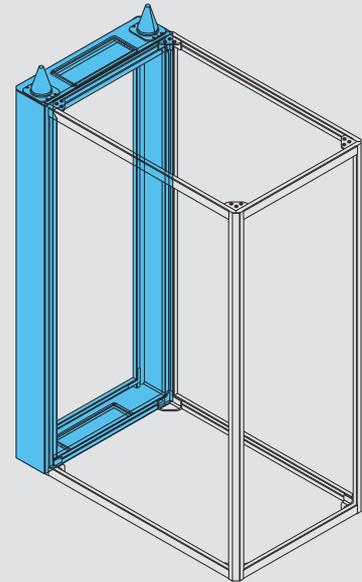
Cabinet Extension Module

Cabinet extension module can be used when there is a need for additional space in depth in standard cabinets.

Material : Galvanized sheet metal
 Finish : Painted
 Standard Delivery : 1 pcs Cabinet extension module
 1 pcs Fixing kit

| Part No | Description | Height (mm) | Width (mm) | Depth (mm) |
|---------------------------------|--------------------------|-------------|------------|------------|
| KP EM HH WW CC | Cabinet Extension Module | 42U, 47U | 600 800 | 200 |

*HH: Height
 *WW: Width
 *CC: Color, BK: RAL 9005 Black WH: RAL 9003 White
 **CC: Please contact to sales for different color alternatives.
 *** Please refer to page 110 for part number details



KP EM



Cabinet extension module

Cabinet Labelling Set

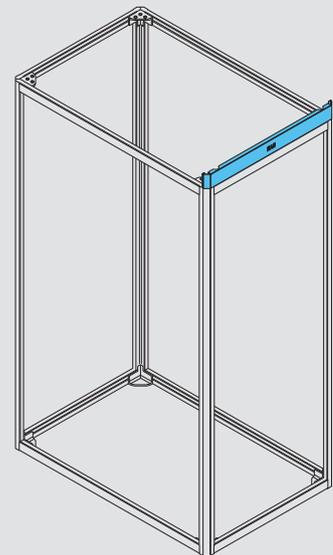
Cabinet labelling set can be used for identification purposes or for better esthetic outlook.

- Ability to apply custom logo

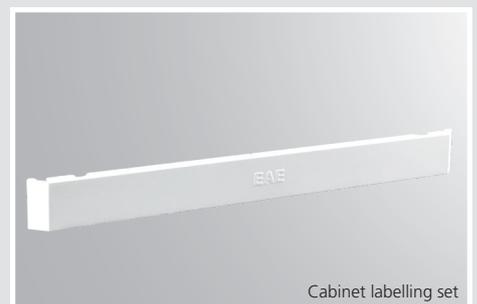
Material : Galvanized sheet metal
 Finish : Painted
 Standard Delivery : 1 pcs Cabinet labelling set
 1 pcs Fixing kit

| Part No | Description | Width (mm) |
|--------------------|-----------------------|------------------------|
| KP KA WW CC | Cabinet Labelling Set | 300, 600, 800, 1000 |

*WW: Width
 *CC: Color, BK: RAL 9005 Black WH: RAL 9003 White
 **CC: Please contact to sales for different color alternatives.
 *** Please refer to page 110 for part number details

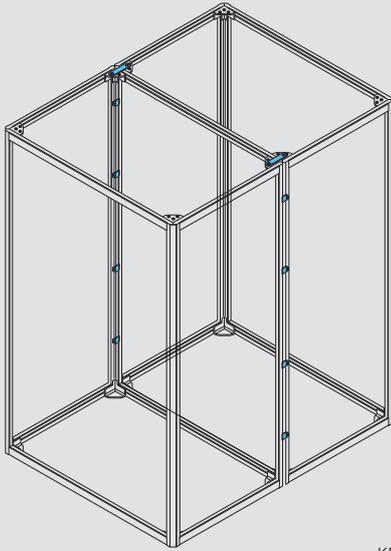


KP KA



Cabinet labelling set





KP KB 01

Cabinet Baying Kit

Cabinet baying kit is used to join cabinets at 8 points side by side.

- Unwanted airflow between cabinets after baying is prevented by the EPDM gasket included in cabinet baying kit

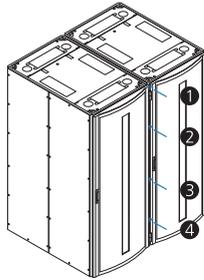
Material : Galvanized sheet metal
 Finish : Cathoporesis coating - Painted
 Standard Delivery : 8 pcs Cabinet baying brackets, front - rear
 1 pcs EPDM gasket
 1 Fixing kit

| Part No | Description |
|----------|----------------------------------|
| KP KB 01 | Cabinet Baying Kit, Front - Rear |
| KP KB 02 | Cabinet Baying Kit, Top |

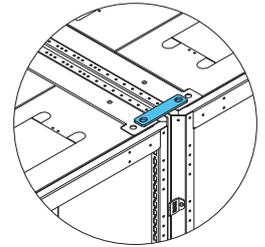
*** Please refer to page 110 for part number details



Cabinet baying Kit / front - rear



Cabinet Baying Kit / Top

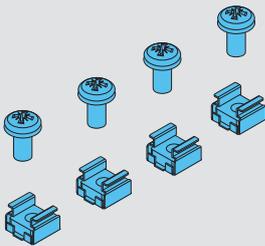


KP KB 02

Cage Nuts Set

Cage nut sets are used for mounting 19 inch equipments and cabinet accessories on 19 inch mounting rails.

Material : Steel
 Finish : Galvanized coating
 Standard Delivery : 1 set cage nut set



KP KF

| Part No | Description |
|------------|---------------------------|
| KP KF M620 | M6 Cage Nuts Set (20 pcs) |
| KP KF M650 | M6 Cage Nuts Set (50 pcs) |

*** Please refer to page 110 for part number details



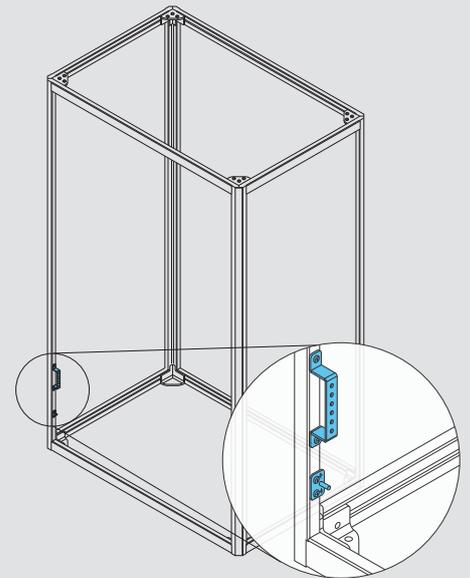
Cage nuts set

Grounding

Depending on technical requirements different grounding accessories can be selected.

| Part No | Description | |
|-----------|---|---|
| KP GK 01 | Grounding Terminal Point, 1 way |  |
| KP GK 02 | Grounding Terminal Point, Dual |  |
| KP GK 03 | Grounding Terminal Point, 16 mm ² Grounding Wire 1,5 m |  |
| KP GB P06 | 6 Point Grounding Bar |  |
| KP GB P16 | 16 Point Grounding Bar |  |
| KP GB P24 | 24 Point Grounding Bar |  |
| KP GK | ESD Wrislet Kit | |

*** Please refer to page 110 for part number details



Fan Module

Fan modules can be used to exhaust hot air from the cabinet.

- Material : Halogen-free / plastic
- Standard Delivery : 1 pcs Fan module
1 pcs Fixing kit
- 1, 2 or 3 fan alternatives
 - 155m³/h flow per fan
 - Power input 230V - 50 Hz AC
 - IEC14 socket with 1,5m cord
 - Thermostate 0° - 55°C
 - Illuminated ON/OFF switch

| Part No | Description |
|----------|---|
| KP FM 01 | Single Fan Module With Thermostat |
| KP FM 02 | Double Fan Module With Thermostat |
| KP FM 03 | Triple Fan Module With Thermostat |
| KP FM 12 | Vented Fan Module With Thermostat, 120 mm |
| KP FM 25 | Vented Fan Module With Thermostat, 250 mm |

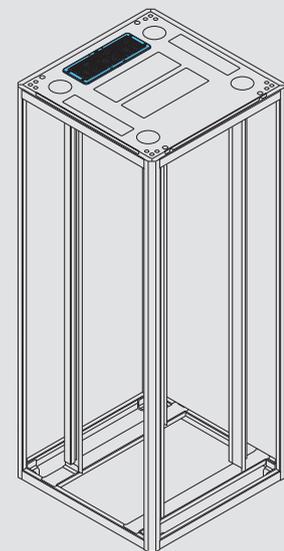
*** Please refer to page 110 for part number details



KP FM 12



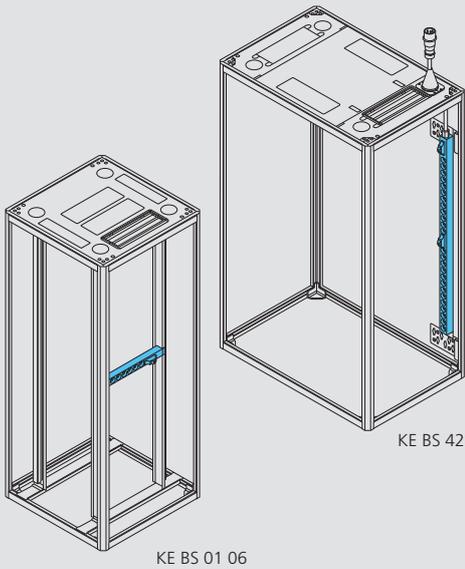
KP FM 25



KP FM



Accessories



Basic PDU

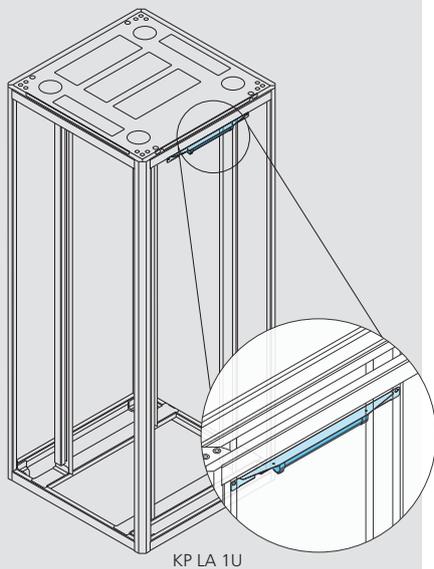
Basic power distribution unit supplies power to active equipments inside the cabinet.

Standard Delivery : 1 pcs 19 Inch basic PDU
1 pcs Fixing kit

| Part No | Description | Height (mm) |
|--------------------|---|-------------|
| KE BS 0106 SCH | 19 inch BasicPDU, 6xSchuko Socket, Aluminum Body | 1U |
| KE BS 42U18C136C19 | Vertical PDU - 42U, 18xC13, 6xC19 Socket, Monophase 32A Input Socket, 2mt power cord, On/off, Multimeter, Volt/Ampermeter, Surge protection | 42U |
| KE BS 42U24SCH | Vertical PDU - 42U, 24xSchuko Socket, 2x16A MCB, Monophase 32A Input Socket, 2mt cord, Ampermeter, On/off, Multimeter, Surge protection | 42U |



42U vertical PDU



19 Inch Lighting Fixture

Basic power distribution unit supplies power to active equipments inside the cabinet.

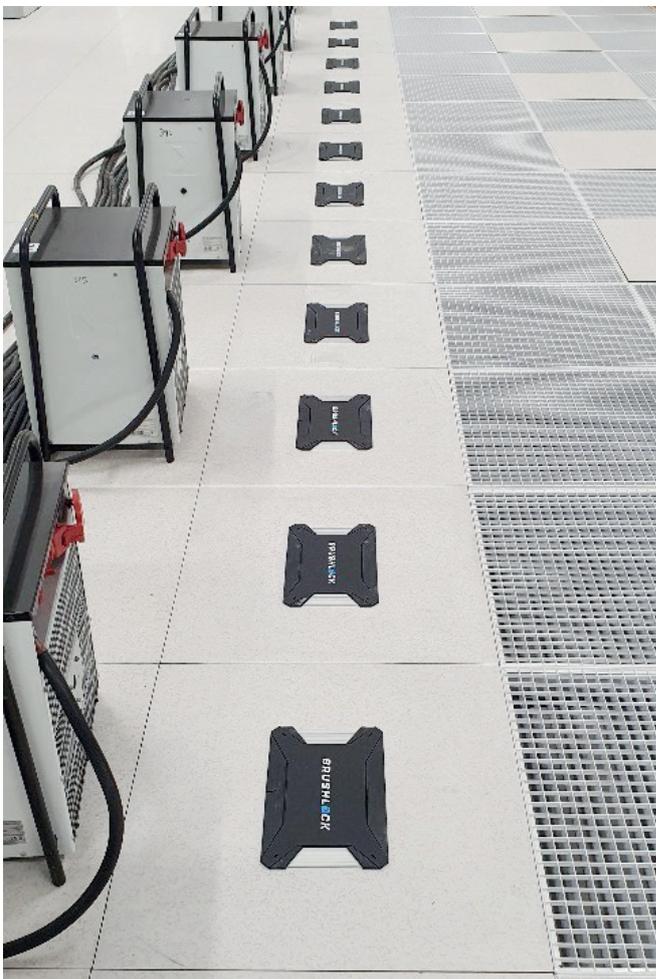
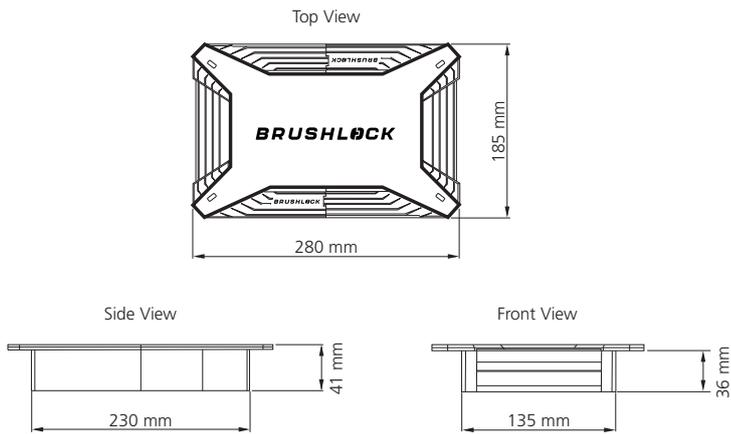
Standard Delivery : 1 pcs 19 Inch Lighting Fixture
1 pcs Fixing kit

| Part No | Description | Height (mm) |
|----------|--------------------------|-------------|
| KP LA 1U | 19 Inch Lighting Fixture | 1/2U |

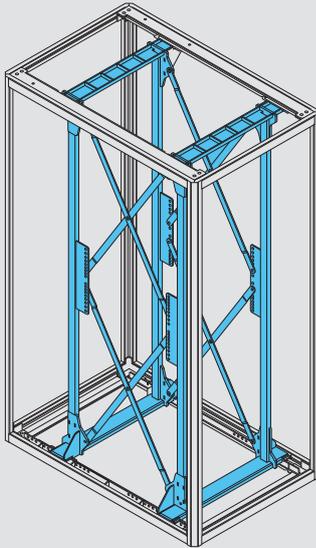
Brushlock Cable Entry Accessories

Material

- Cover : Steel Metal
- Brush : Flame retardant plastic
- Frame : Flame retardant plastic
- Brush Frame: Aluminum



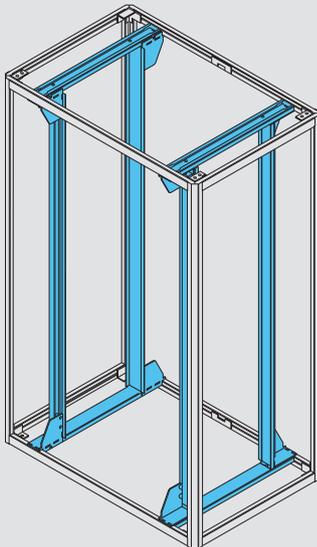
Seismic Mounting Sets



KS MS



KS 19 Inch seismic mounting set



KD MS



KD 19 Inch seismic mounting set

KS Series 19 Inch Seismic Mounting Sets

19 inch seismic mounting sets are designed for mounting various information technology devices. They also allow mounting of various accessories inside the cabinet.

- Seismic resistance of reinforced 19 inch mounting rails
- Depth adjustment feature of 19 inch device rails

Material : Galvanized sheet steel
 Finish : Painted
 Standard Delivery : 1 set 19 inch Mounting set
 1 pcs Fixing Kit

| Part No | Description | Height (mm) | Width (mm) | Depth (mm) |
|------------------------------------|----------------------|-------------|-------------------|-------------------------|
| KS MS HH WW 55 CC | 19 inch Mounting Set | 42U, 47U | 600, 800, 1000 | 800, 1000 1100, 1200 |
| KS MS HH WW 75 CC | 19 inch Mounting Set | 42U, 47U | 600, 800, 1000 | 1000, 1100, 1200 |

*HH: Height
 *WW: Width
 *CC: Color, BK: RAL 9005 Black WH: RAL 9003 White
 **CC: Please contact to sales for different color alternatives.
 *** Please refer to page 110 for part number details

KS Series seismic cabinets have been tested and certified by internationally accredited laboratories for compliance to following standards

- IEC / EN 61587-2
- IEC / EN 60980 Zone 4 (Nuclear Plants)
- Telcordia NEBS GR63 Zone 4



KD Series 19 Inch Seismic Mounting Sets

19 inch seismic mounting sets are designed for mounting various information technology devices. They also allow mounting of various accessories inside the cabinet.

- Seismic resistance of reinforced 19 inch mounting rails
- Depth adjustment feature of 19 inch device rails

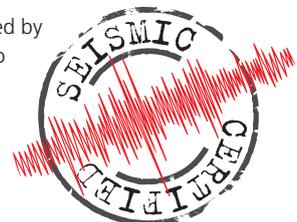
Material : Galvanized sheet steel
 Finish : Painted
 Standard Delivery : 1 set 19 inch Mounting set
 1 pcs Fixing Kit

| Part No | Description | Height (mm) | Width (mm) |
|-----------------------|----------------------|-------------|-------------------|
| KD MS HH WW CC | 19 Inch Mounting Set | 42U, 47U | 600, 800, 1000 |

*HH: Height
 *WW: Width
 *CC: Color, BK: RAL 9005 Black WH: RAL 9003 White
 **CC: Please contact to sales for different color alternatives.
 *** Please refer to page 110 for part number details

KD Series seismic cabinets have been tested and certified by internationally accredited laboratories for compliance to following standards

- IEC / EN 61587-2



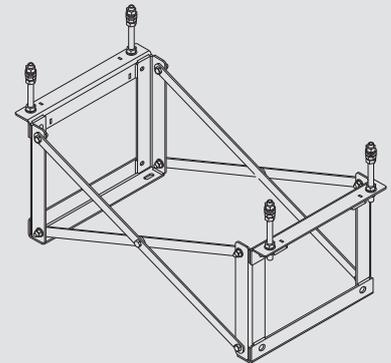
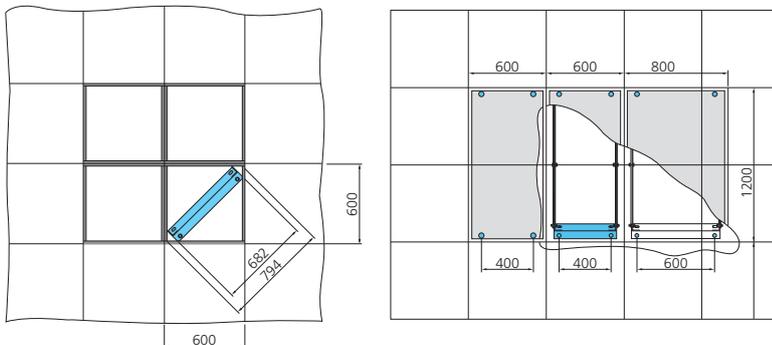
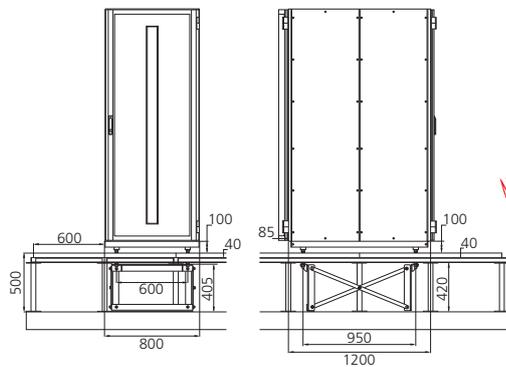
Seismic Base Stand

Seismic stands are used under seismic cabinets for anchoring them to the concrete under raised floor.

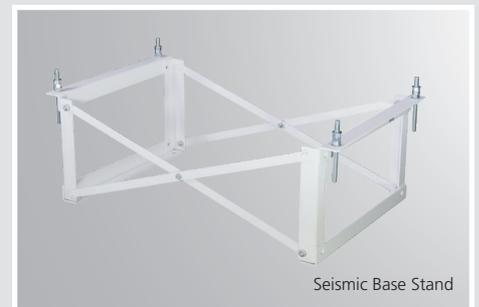
Material : Steel / Hot dip galvanized
 Finish : Painted
 Standard Delivery : 1 set Seismic base stand
 1 pcs Fixing kit

| Part No | Description | Height (mm) | Width (mm) | Depth (mm) |
|----------------------|--------------------|-------------|------------------|-------------------------|
| KS SS HH DD WW CC | Seismic Base Stand | 500, 1000 | 600, 800 1000 | 800, 1000 1100, 1200 |

*HH: Height
 *WW: Width
 *DD: Depth
 *CC: Color, BK: RAL 9005 Black WH: RAL 9003 White
 **CC: Please contact to sales for different color alternatives.
 *** Please refer to page 110 for part number details



KS SS



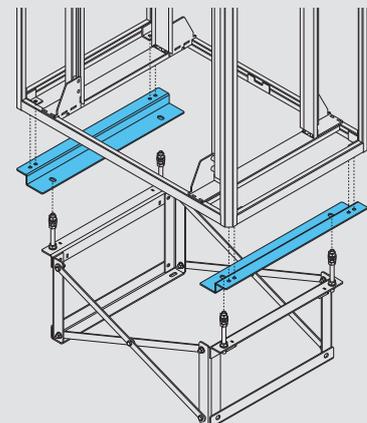
Seismic Base Stand

KD Series Seismic Base Stand Adapter

Material : Galvanized sheet metal
 Finish : Painted
 Standard Delivery : 1 set Adapter

| Part No | Description | Width (mm) |
|-------------|----------------------------|-------------------|
| KD SA WW CC | Seismic Base Stand Adapter | 600, 800, 1000 |

*WW: Width
 *CC: Color, BK: RAL 9005 Black WH: RAL 9003 White
 **CC: Please contact to sales for different color alternatives.
 *** Please refer to page 110 for part number details



KD SA

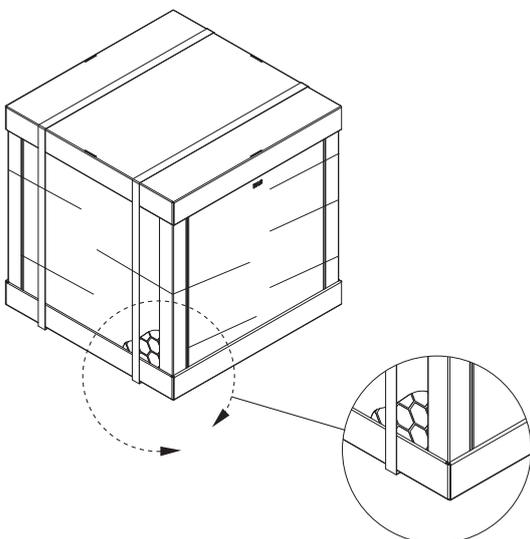
Packaging Types

Standing Type Cabinet
Packaging



- 1 Front / back protection cardboard
- 2 Product specific transport pallet
- 3 Packing strip
- 4 Stretch film protection

Wall-mount Type Cabinet
Packaging

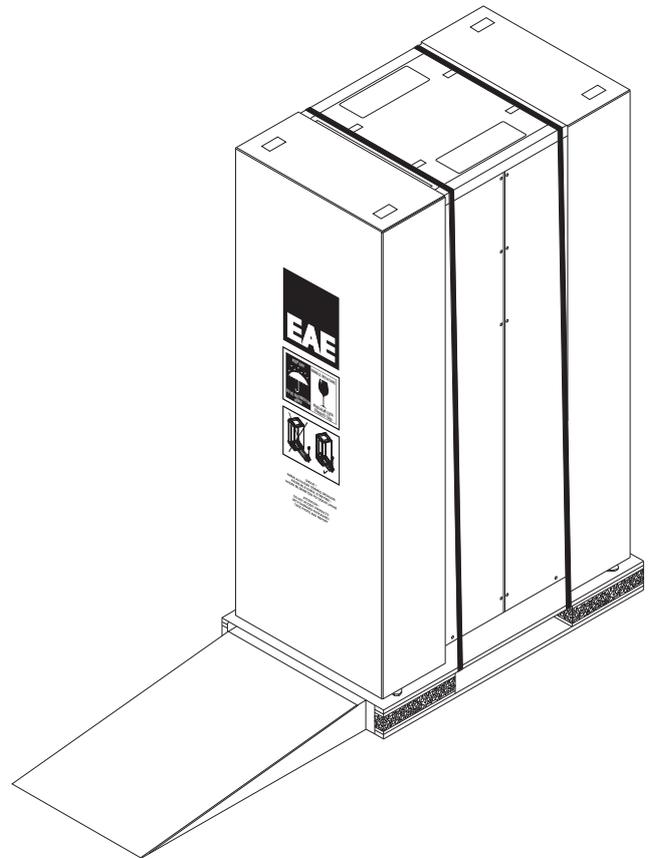


- 1 Top / bottom protection cardboard
- 2 Corner cardboard protection
- 3 Honeycomb panel protection
- 4 Packing strip
- 5 Stretch film protection

Special Packaging Solutions

EAE KabinPLUS KD, KS, KI and KR Series cabinets and containment modules can be delivered fully customised, assembled and packed with special packaging materials. If required heavy-duty shock-proof pallet and reusable packaging carton can be selected which allow the cabinet to be reshipped after it is loaded.

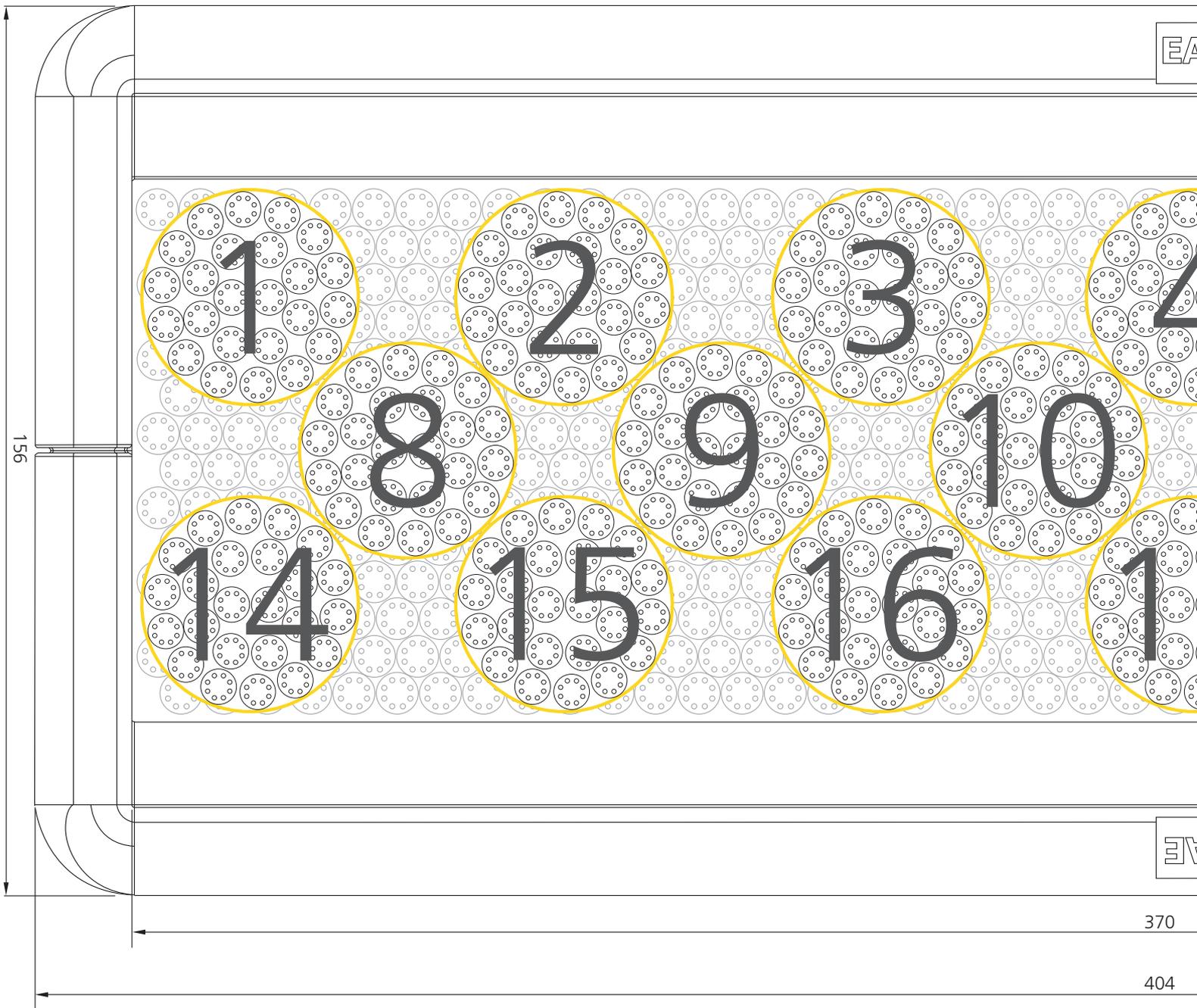
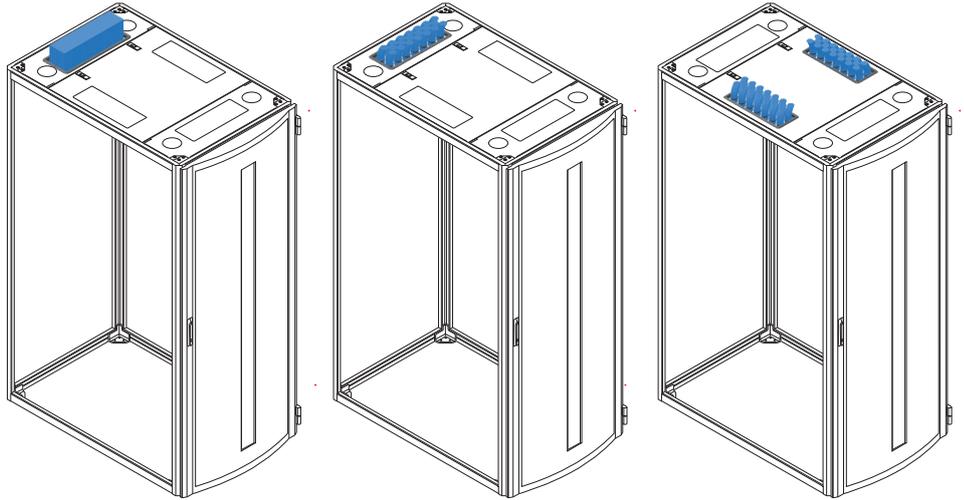
Please consult your sales representative for more details.



Technical Drawings

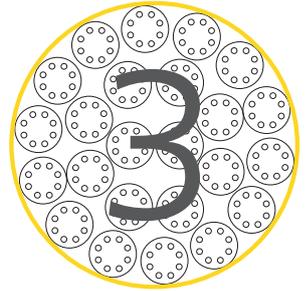
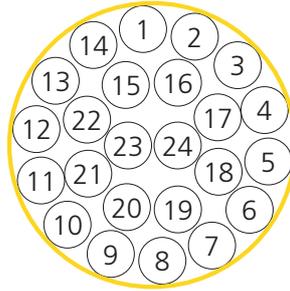
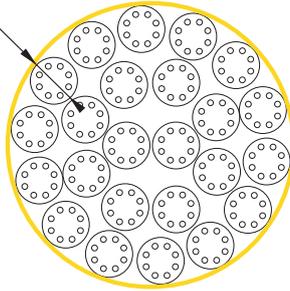
Cable Entry Module

1:1 ACTUAL DIMENSION



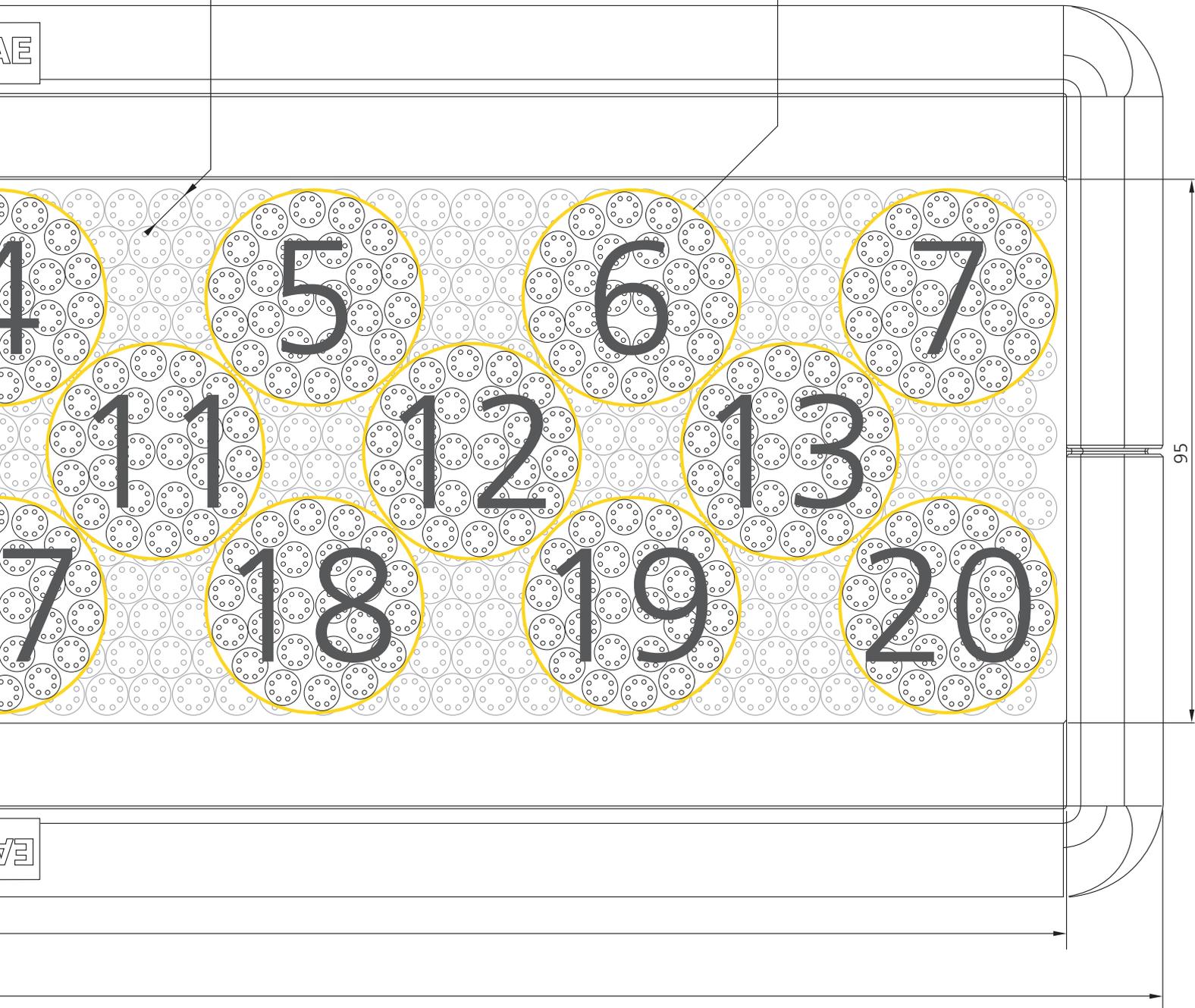
Bundle of 24 cables

Ø7,3 CAT6A



Ø7.3 X 679 pcs

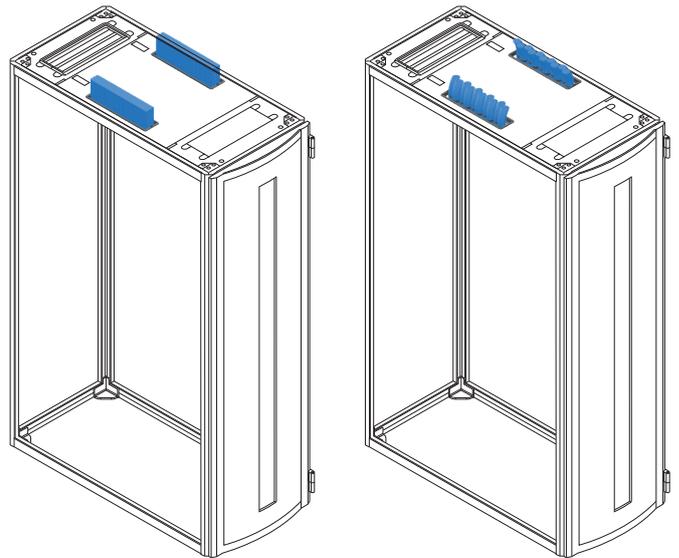
Ø7,3 x 24 x 20= 480 pcs



Technical Drawings

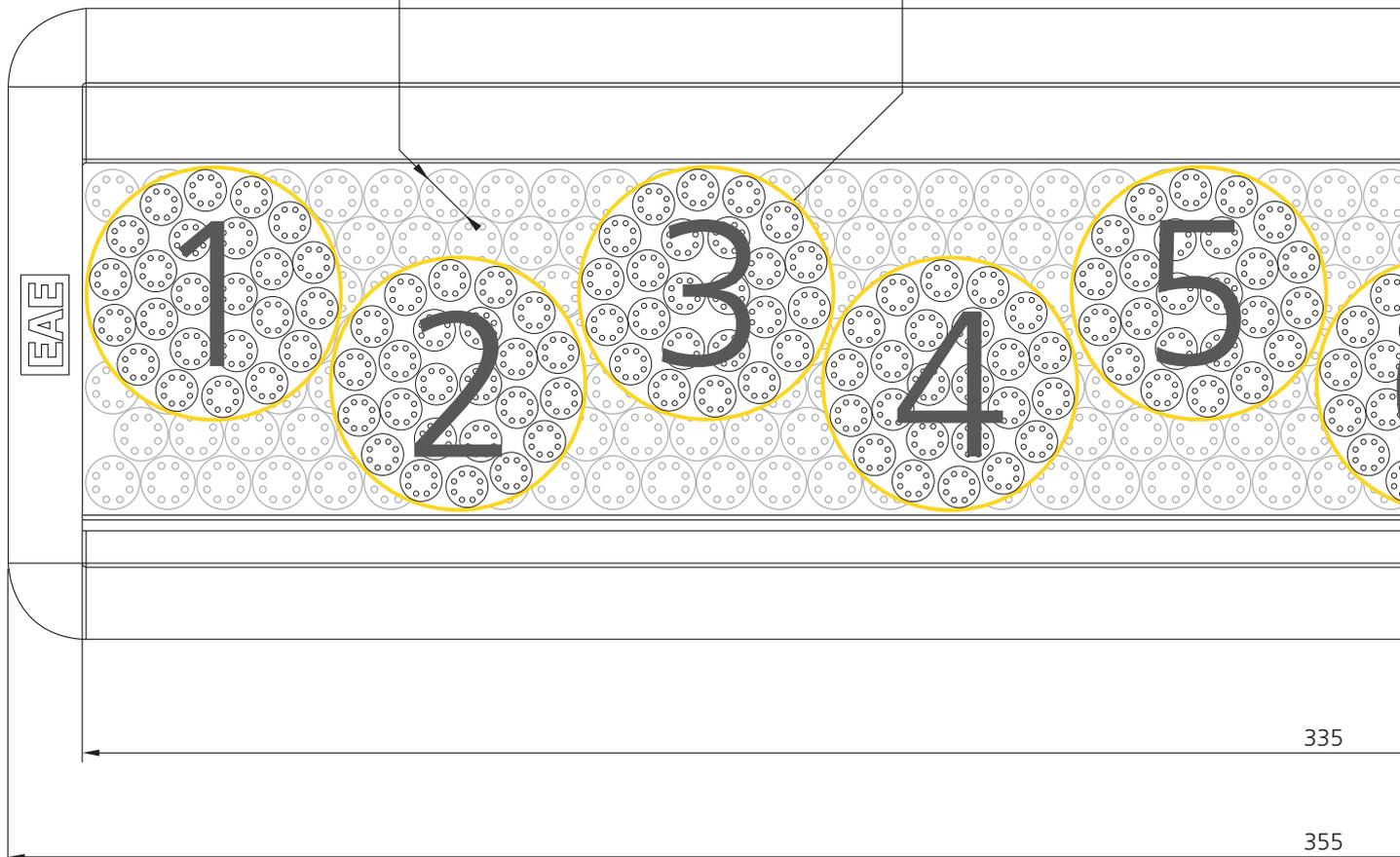
Cable Entry Module

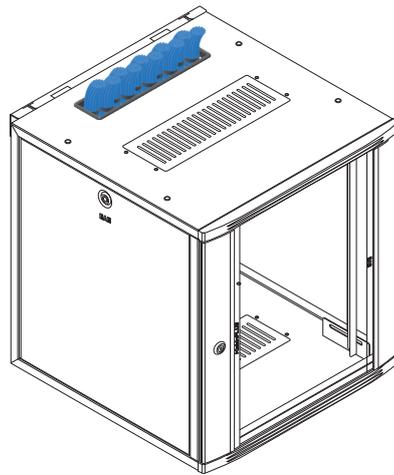
1:1 ACTUAL DIMENSION



$\text{Ø}7.3 \times 308$ pcs

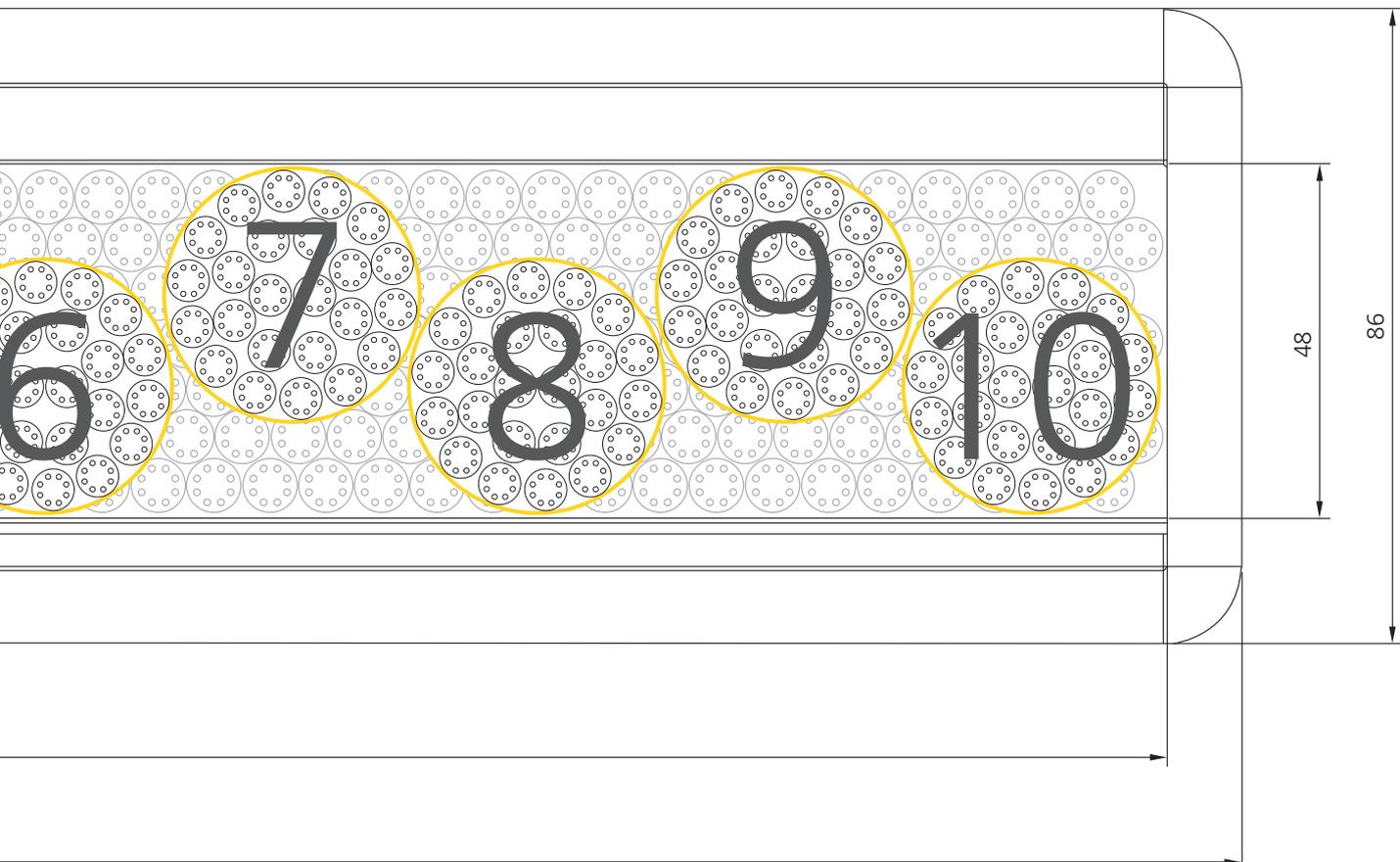
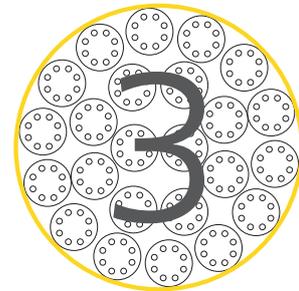
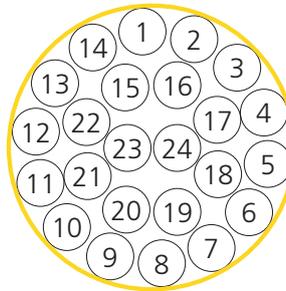
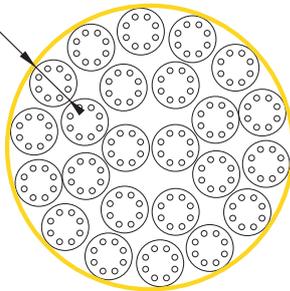
$\text{Ø}7.3 \times 24 \times 10 = 240$ pcs





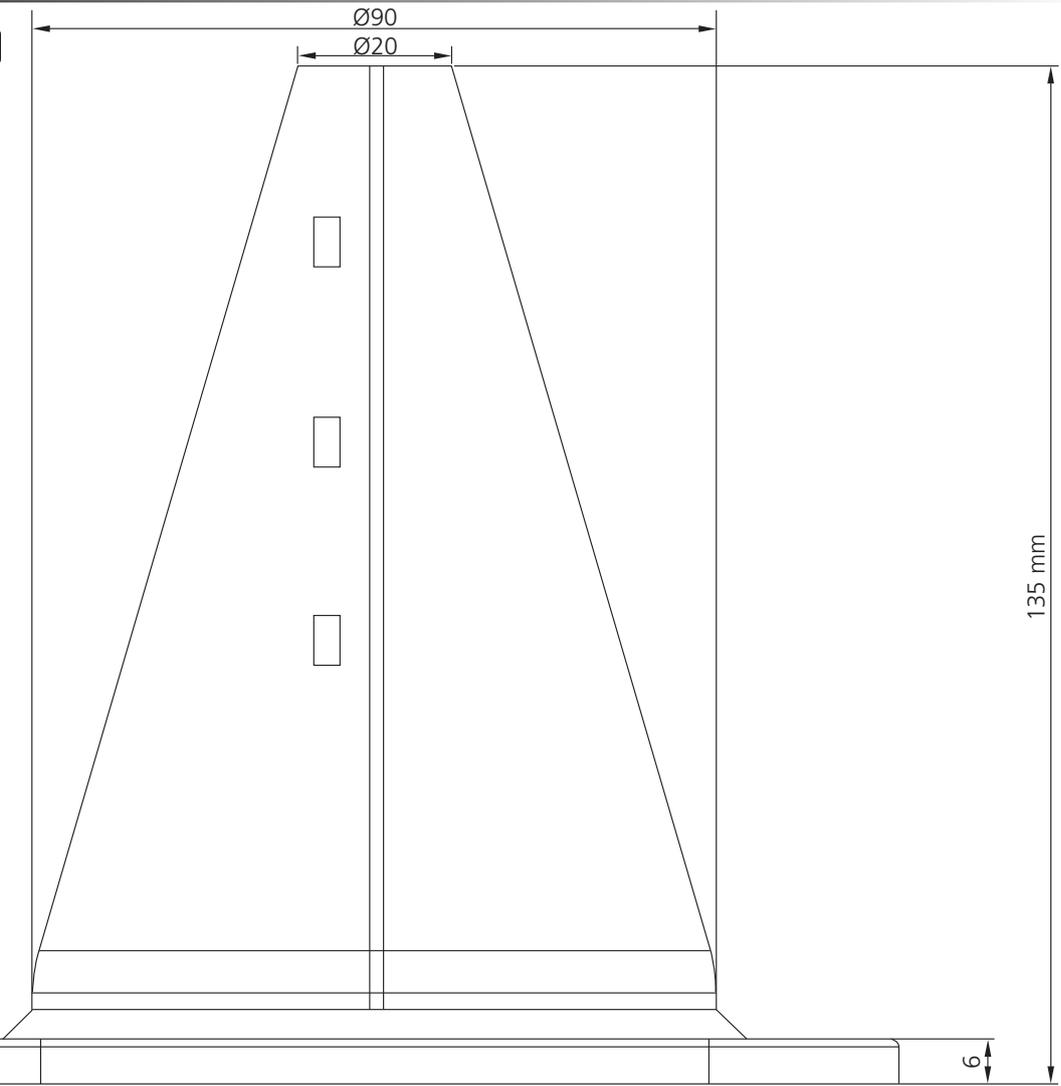
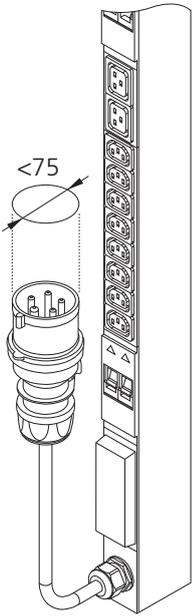
Bundle of 24 cables

Ø7,3 CAT6A

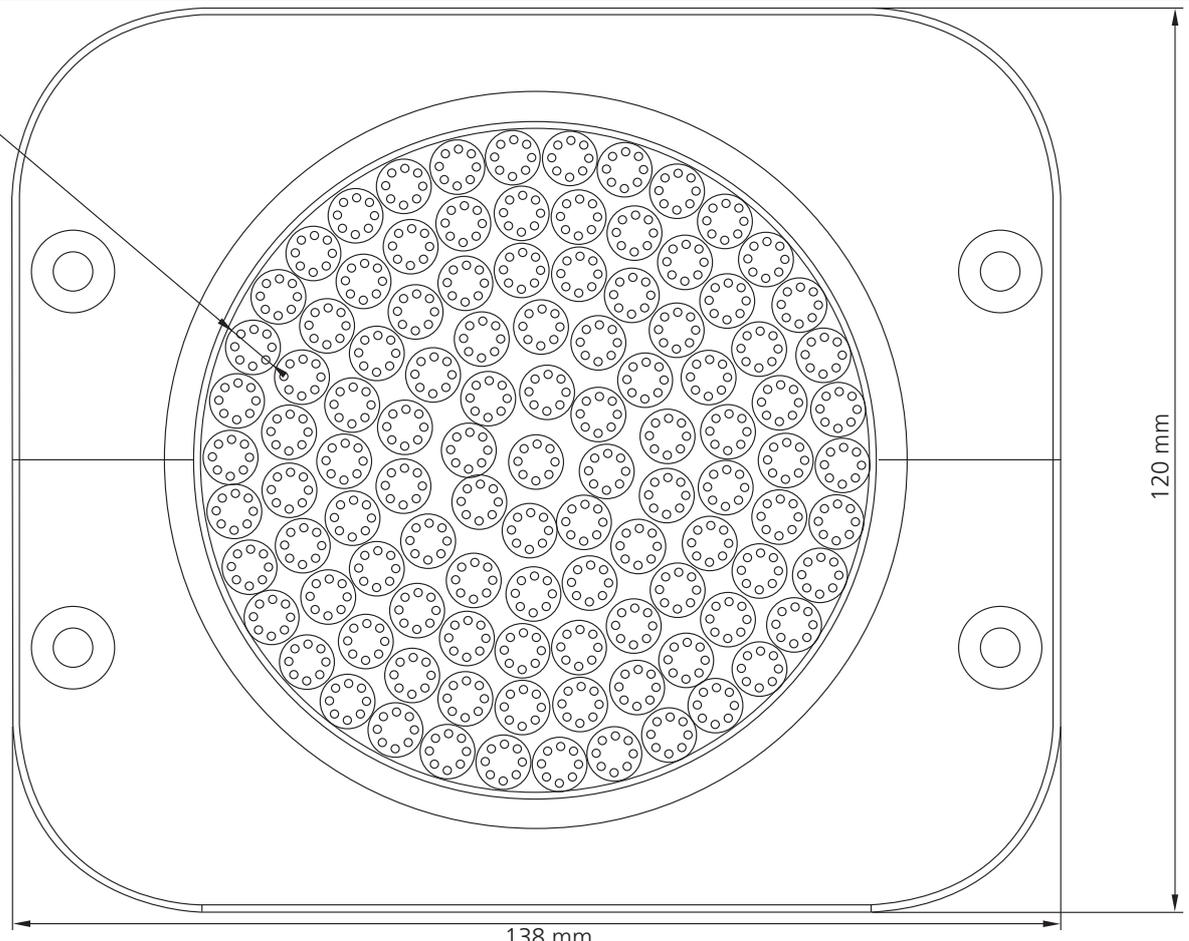


Technical Drawings

1:1 ACTUAL DIMENSION



$\varnothing 7.3 \times 105$ pcs
CAT6A

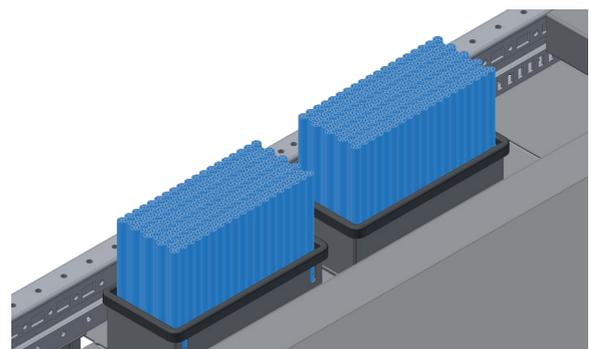
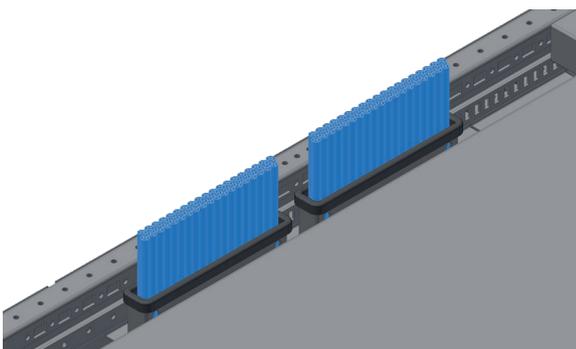
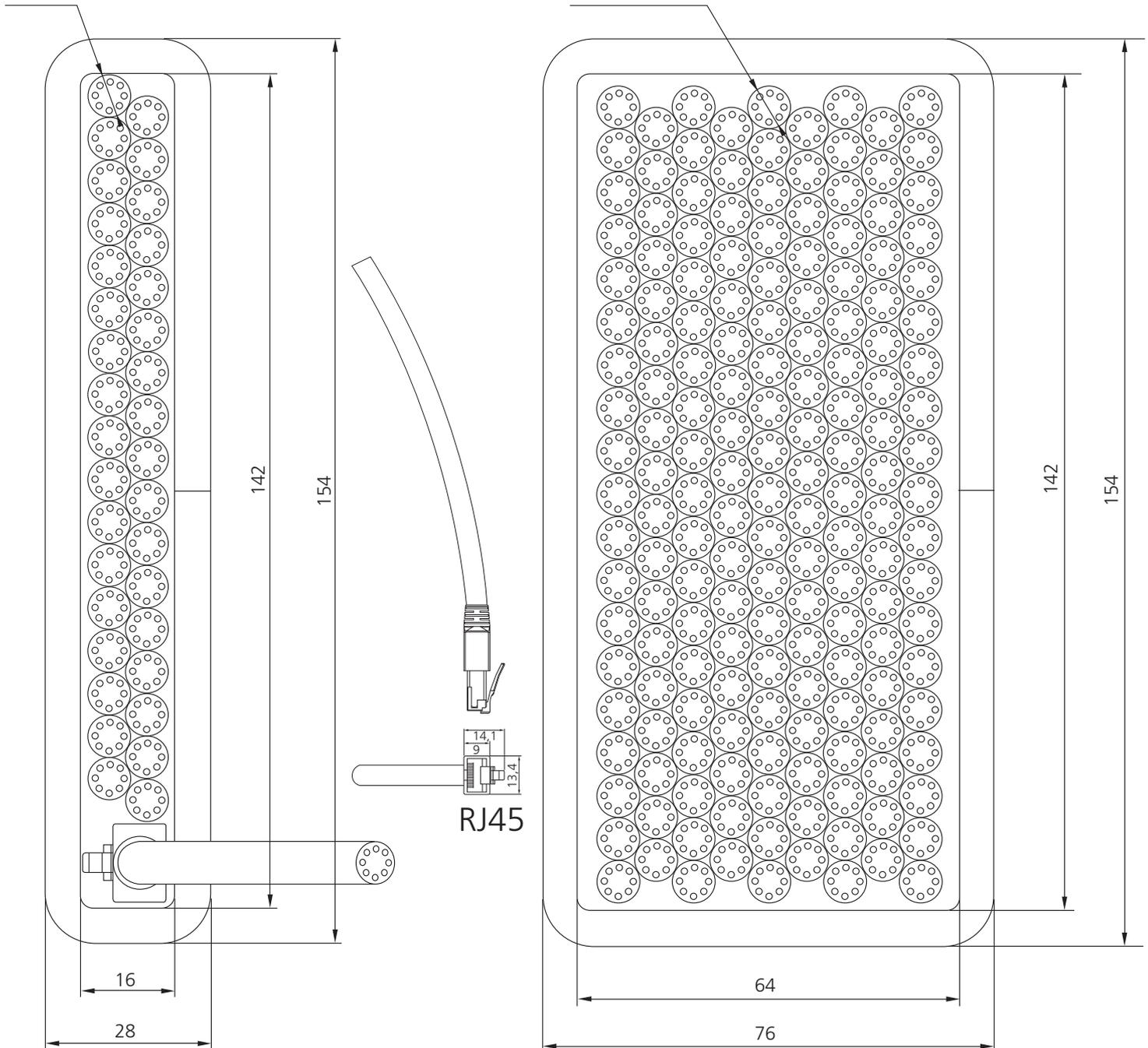


Colocation Cabinet Cable Troughs

1:1 ACTUAL DIMENSION

Ø7.3 X 38 pcs
CAT6A

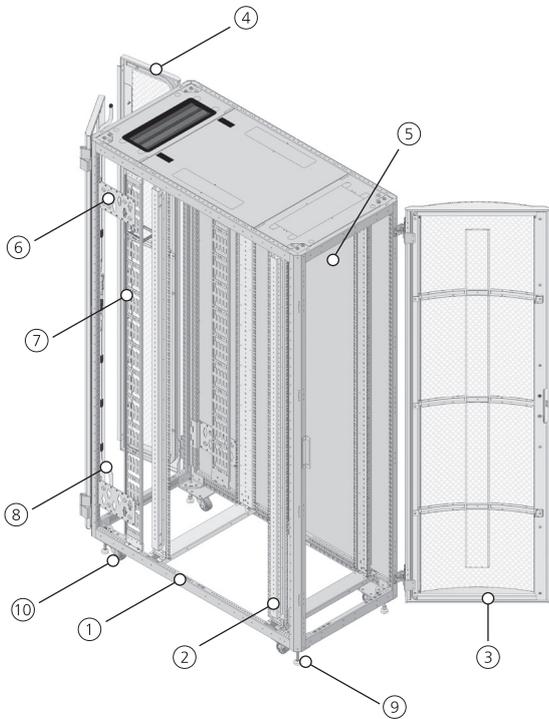
Ø7.3 X 167 pcs
CAT6A



All dimensions are in mm unless stated.

Standard Configuration

42U 600 x 1200 Server Cabinet

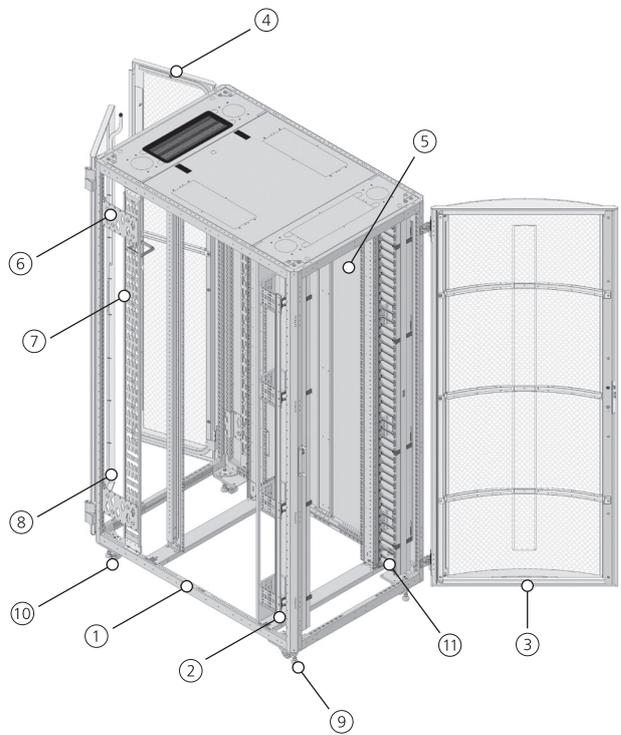


42U 06 12 Server Cabinet Content

| | | | |
|---|------------------------|---------------------|---------------|
| ① | KD BF 420612 | : Base Frame | 1 pcs |
| ② | KP MS 4206 WH | : 19 Inch Set | 1 pcs |
| ③ | KP OK 4206 P N1 WH | : Door | 1 pcs |
| ④ | KP OK 4233 P WH | : Door | 1 pcs |
| ⑤ | KP SP 4212 F WH | : Side Panel, Fixed | 2 pcs |
| ⑥ | KP PB PDU BRAKET 03 WH | : PDU Bracket Set | 2 pcs |
| ⑦ | KP CT 4210 WH | : Cable Trough | 2 pcs |
| ⑧ | KP GK 01 | : Grounding Bracket | 1 Adet |
| ⑨ | KP BF 01 | : Levelling Feet | 1 Set (4 pcs) |
| ⑩ | KP BT 01 WH | : Castor Seti | 1 Set (4 pcs) |

Above configured 42U 06 12 Server Cabinet's apporximate weight is 150 kg.

42U 800 x 1200 Network Cabinet



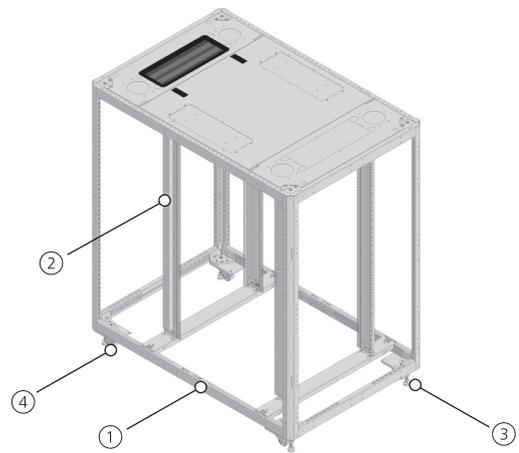
42U 08 12 Network Cabinet Content

| | | | |
|---|------------------------|--------------------------|---------------|
| ① | KD BF 420812 | : Base Frame | 1 pcs |
| ② | KP MS 4208 WH | : 19 Inch Set | 1 pcs |
| ③ | KP OK 4208 P N1 WH | : Door | 1 pcs |
| ④ | KP OK 4244 P WH | : Door | 1 pcs |
| ⑤ | KP SP 4212 F WH | : Side Panel, Fixed | 2 pcs |
| ⑥ | KP CV 4208 TK WH | : Vertical Cable Manager | 1 Set (2 pcs) |
| ⑦ | KP PB PDU BRAKET 03 WH | : PDU Bracket Set | 2 pcs |
| ⑧ | KP CT 4210 WH | : Cable Trough | 2 pcs |
| ⑨ | KP GK 01 | : Grounding Bracket | 1 pcs |
| ⑩ | KP BF 01 | : Levelling Feet | 1 Set (4 pcs) |
| ⑪ | KP BT 01 WH | : Castor Set | 1 Set (4 pcs) |

Above configured 42U 08 12 Network Cabinet's apporximate weight is 150 kg.

42U 800 x 1200 Framework Cabinet

26U 600 x 1200 Framework Cabinet



42U 06 12 Framework Cabinet Content

| | | | |
|---|---------------|------------------|---------------|
| ① | KD BF 420612 | : Base Frame | 1 pcs |
| ② | KP MS 4206 WH | : 19 Inch Set | 1 pcs |
| ③ | KP BF 01 | : Levelling Feet | 1 Set (4 pcs) |
| ④ | KP BT 01 WH | : Castor Set | 1 Set (4 pcs) |

26U 06 12 Framework Cabinet Content

| | | | |
|---|---------------|------------------|---------------|
| ① | KD BF 260612 | : Base Frame | 1 pcs |
| ② | KP MS 2606 WH | : 19 Inch Set | 1 pcs |
| ③ | KP BF 01 | : Levelling Feet | 1 Set (4 pcs) |
| ④ | KP BT 01 WH | : Castor Set | 1 Set (4 pcs) |

42U 08 12 Framework Cabinet Content

| | | | |
|---|---------------|------------------|---------------|
| ① | KD BF 420812 | : Base Frame | 1 pcs |
| ② | KP MS 4208 WH | : 19 Inch Set | 1 pcs |
| ③ | KP BF 01 | : Levelling Feet | 1 Set (4 pcs) |
| ④ | KP BT 01 WH | : Castor Set | 1 Set (4 pcs) |

26U 08 12 Framework Cabinet Content

| | | | |
|---|---------------|------------------|---------------|
| ① | KD BF 260812 | : Base Frame | 1 pcs |
| ② | KP MS 2608 WH | : 19 Inch Set | 1 pcs |
| ③ | KP BF 01 | : Levelling Feet | 1 Set (4 pcs) |
| ④ | KP BT 01 WH | : Castor Set | 1 Set (4 pcs) |

Above configured 42U 06 12 Framework Cabinet's approximate weight is 71 kg.

Above configured 26U 06 12 Framework Cabinet's approximate weight is 46 kg.

Above configured 42U 08 12 Framework Cabinet's approximate weight is 76 kg.

Above configured 26U 08 12 Framework Cabinet's approximate weight is 49 kg.

Coding System

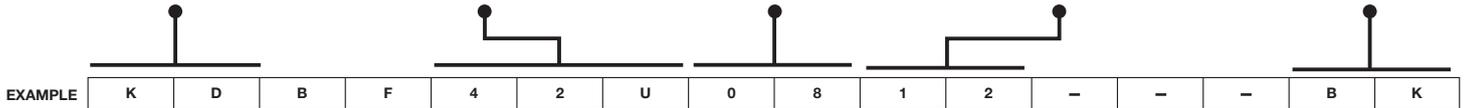
| PRODUCT SERIES | |
|----------------|--|
| KD | Data Center Cabinet |
| KS | Seismic Cabinet |
| KL | Colocation Cabinet |
| KR | Standing Type Datacom - Network Cabinets |
| KM | Wall-Mount Datacom - Network Cabinets |
| KP | Common Products |
| KC | Aisle Containment Solutions |

| NOMINAL HEIGHT (U) | |
|--------------------|-----|
| 01U | 12U |
| 02U | 16U |
| 03U | 20U |
| 04U | 26U |
| 05U | 36U |
| 06U | 42U |
| 07U | 47U |
| 09U | |

| NOMINAL WIDTH (mm) | |
|--------------------|------|
| 06 | 600 |
| 08 | 800 |
| 10 | 1000 |
| | |
| | |

| NOMINAL DEPTH (mm) | |
|--------------------|------|
| 06 | 600 |
| 08 | 800 |
| 10 | 1000 |
| 11 | 1100 |
| 12 | 1200 |

| COLOR |
|-------|
| BK |
| WH |
| - |



| BOTTOM PARTS | |
|--------------|----------------------------|
| BF | Levellig Feet |
| BT | Castor Set |
| BP | Modular Plinth |
| BD | Monoblock Seismic Plinth |
| BN | Non-standart Plinth Kit |
| FL | Floor Fixing Kit |
| BA | Bottom Cover |
| BY | Partial Bottom Cover |
| BC | Bottom Cover Plate |
| CG | Cable Grommets |
| SS | Seismic Base Stand |
| SA | Seismic Base Stand Adapter |

| MAIN STRUCTURE | |
|----------------|-------------------|
| BF | Base Framework |
| BS | |
| MS | 19" Mounting Set |
| OK | Front - Rear Door |
| SP | Side Panel |

| AISLE CONTAINMENT | |
|-------------------|--|
| AS | Cabinet Floor Gasket |
| AG | |
| AD | Cabinet Floor Cover |
| UD | |
| AC | Cabinet Overhead Kit |
| AT | Cabinet Overhead Joining Kit |
| AA | Aisle Containment Module - Aluminum |
| AM | Aisle Containment Module - Metal |
| MN | Aisle Containment Module - Emergency Opening |
| DT | Aisle Door Mounting Module |
| DO | Automatic Aisle Door |
| DM | Manuel Aisle Door |
| ES | Access Control Units |
| DS | Aisle Containment End Wall |
| SC | Stand Alone Aisle |

| ACCESSORIES | |
|-------------|---|
| EM | Extention Module |
| FM | Fan Module |
| GB | Grounding Bar |
| GK | Grounding Terminal Bracket |
| KA | Cabinet Labelling Set |
| KB | Baying Kit |
| PB | PDU Bracket |
| KF | Cage Nuts Set |
| LA | Cabinet Lighting Fixture |
| RS | Shelf |
| RH | Shelf |
| RL | L Support Rail |
| ZU | Zero U Additional 19 Inch Mounting Module |

| CABLE MANAGEMENT | |
|------------------|--|
| CD | Front-to-rear Cable Duct |
| CH | Horizontal Cable Manager |
| CP | |
| CT | Vertical Cable Trough |
| CV | Vertical Cable Manager |
| CA | Cabinet Top Cable Managers A Module / M Module |
| CM | |
| CO | Cable Entry Accessories |
| CR | |
| CC | Cable Management Units |
| CS | |
| LT | |
| CZ | Overhead Rack |
| CG | Cable Grommets |

| AIR FLOW MANAGEMENT | |
|---------------------|---------------------------|
| AV | Air Dam Kit |
| AF | Horizontal Blanking Panel |
| AS | Switch Airflow Module |

| TIP | |
|-----|----------------------------------|
| --- | None |
| 01B | Brushed |
| 02B | Brushed |
| P | Plastic |
| M | Metal |
| T1 | 275 mm |
| T2 | 575 mm |
| 01 | Standard |
| 02 | Standard |
| 03 | Standard |
| 04 | Conic |
| 65 | 65 mm |
| 90 | 90 mm |
| 6P | 6 Point |
| 16P | 16 Point |
| 24P | 24 Point |
| 10 | 100 mm |
| 15 | 150 mm |
| P2 | 2 Compartments |
| P3 | 3 Compartments |
| P4 | 4 Compartments |
| P | Perforated |
| S | Metal |
| G | Glazed |
| N1 | Perforated, Single Point Locking |
| N4 | Perforated, Four Point Locking |
| F | Fixed |
| T | Transition |
| H | Hinged |
| C | Fixed, Hinged |
| LF | Latch Type |
| WG | Continuously Adjustable |

*** WW: Width 600:06, 800:08, 1000:10

*** DD: Depth 300+300:33, 400+400:44, 500+500:55, 600+600:66, 700+700:77, 800+800:88, 600:06, 800:08, 1000:10, 1100:11, 1200:12

EAE ELEKTROTEKNİK A.Ş.
Warranty, Repair and Return Conditions for
Products Offered Under the KabinPLUS Brand by EAE Elektroteknik A.Ş.

EAE Elektroteknik A.Ş., hereinafter referred to as EAE ET, guarantees that each of its standard products is free from material and workmanship defects for a period of two years from the date of shipment. If design or production-related defects are identified within this period, the products in question will be replaced or repaired at EAE ET's discretion. However, under no circumstances will EAE ET be held liable for any compensation beyond the product price, penalties, or unauthorized "field" repair costs.

Conditions and Exceptions

EAE ET manufactures and packages its products ready for delivery by applying high-quality control processes to ensure they are defect-free. Before each delivery, the products are photographed in their packaging, which bears a label with the customer's name, and this record is kept.

When receiving the products from the EAE ET factory or the carrier, the customer is responsible for checking for any visible damage while the products are still in their packaging. In such cases, the customer has the right to refuse the product.

If the delivery is made through a carrier and any damage is detected, such as dents, holes, tears, or other damages to the shipping cartons, the receiving personnel must note this in the delivery report or waybill and document it with photographs. This documentation is important for insurance purposes regardless of who is responsible for the shipment.

Any obvious damage, defects, or deficiencies detectable without opening the packaging must be reported within 2 days. Non-obvious damage, defects, or deficiencies must be reported within 8 days.

If there are hidden damages on the product detected after opening the packaging, the customer must report to EAE ET with:

- Products covered with protective film, not fully stripped,
- Assembled products fixed on a pallet with straps and/or wooden screws, not removed from the pallet,
- Photographs showing the damage while the products are still fixed with packaging straps or wooden screws.

Additionally, photographing the labels on the products is necessary to identify the product.

If the above procedures are not followed, EAE ET will not accept damage claims. Especially, damages, impacts, scratches, or paint damages on products that have been removed from their packaging, transported to the site, and subjected to various processes will not be accepted by EAE ET.

Repair and Return

Products confirmed to have damage or defects under EAE ET's responsibility must be returned. The return organization will be managed by EAE ET. All return procedures will follow EAE ET's shipping instructions.

When the customer prepares the products for return, they are responsible for ensuring the products are packaged and secured with straps or wooden screws, and properly packed to prevent damage during transport.

Returned products must be accompanied by a return invoice issued in the name of EAE ET, or in cases where issuing a return invoice is not possible, the original invoice and delivery note must be included.

EAE will not accept returns in the following cases:

1. Damage and defects arising from materials specially manufactured for the customer that are not EAE ET's standard products or designs,
2. Damage and defects arising from operating conditions or misuse not conforming to the product information specified by EAE ET in the product documentation,
3. Damage and defects arising from storage, handling, and installation not conforming to the product information specified by EAE ET in the product documentation, on the product, or its packaging,
4. Damage and defects arising from changes not approved in writing by EAE ET,
5. Damage and defects arising from the use of products with similar functions produced by other manufacturers.

If design or production-related defects are found in returned products, these products will be replaced or repaired at EAE ET's discretion.

Date: 17.07.2023

Specifications

DATA CENTER CABINETS

The cabinet support structure shall be manufactured from rails made by bending pre-galvanized steel material with a minimum thickness of 2 mm. These rails shall be joined using metal corner connectors with a minimum thickness of 5 mm to form the main cabinet structure.

Cabinets shall be produced in compliance with the EN 61587-1 standards.

Inside the cabinets, there shall be a grounding terminal where the external grounding connection shall be made, and their "earth terminal" marking shall be permanent, resistant to removal by any chemicals.

Cabinets shall be painted in RAL 9003 white and shall have an IP 20 protection rating according to EN 60529.

All cabinets shall have wheels that can rotate 360 degrees to facilitate transportation to the final assembly position after unpackaging. In addition, each cabinet shall have leveling feet for alignment in the final assembly position. The cabinets shall have a static load-bearing capacity of at least 1500 kg.

Cabinets and all their complementary parts and accessories shall comply with the EIA-310-D standard and shall be suitable for 19-inch mounting structure.

All cabinets shall be supplied with cabinet joining accessories that enable connection to adjacent cabinets from the front and back at four points each, which include gaskets preventing air flow between two cabinets. The process of joining or separating cabinets shall be done from outside the cabinet without entering the internal mounting area. However, this operation cannot be performed without opening the doors.

The width of the cabinets, including side panels, shall not exceed 600 mm for those with a nominal size of 60 cm, and 800 mm for those with a nominal size of 80 cm.

The depth of the cabinets shall be 1200 mm, excluding the front and rear doors.

When a cabinet is removed from a row, the side panels of both the remaining cabinet in the row and the removed cabinet shall remain on their respective cabinets. Partition walls or similar elements added later shall not be accepted.

Side panels of end-of-row cabinets shall be hinged, openable and lockable.

Air flow openings of the cabinet doors shall be sized to provide 85% perforation as calculated according to the DIN 24041 standard.

Both the front and rear doors shall be designed to allow easy and quick removal without the use of any tool, once the door is opened to a certain degree, without posing a security risk. There shall be no removable or potentially lost parts such as hinge pins.

For ease of working within cabinets doors with curved design shall allow to be opened up to 160 degrees and same for flat doors up to 180 degrees even when cabinets are positioned in a row and the same shall be applicable at the adjacent cabinet.

If electronic locks are used on the front and rear doors, there shall be specifically designed cable pathways and holders on the doors for cabling of the locks.

Rear doors of cabinets shall be divided into two sections and their design shall enable them to open up to 180 degrees, enabling easy access to the interior and preventing blocking aisle passage.

The top cover of the cabinets shall have openings that can be broken out if needed. Cable entry accessories that cover all the edges of these openings shall be placed once they are broken out. Special accessories developed by the manufacturer for this purpose shall be used. Open-ended edge protection seals used in cut areas shall not be accepted. Additionally, the top cover of the cabinet shall be sectional and at least one section shall be (toolless) removable and lockable if desired.

The bottom of the cabinets shall be fully enclosed to prevent air and dust ingress. The bottom surface shall have openings that can be broken out if needed and equipped with cable entry accessories that cover all the edges of these openings when they are broken out.

All sharp edges of cable entry openings shall be covered with specifically designed plastic frame accessories. These frames shall include measures to prevent dust ingress and air leakage, such as brushes.

Even though cable entry points shall be specified in advance, top and bottom covers of cabinets shall have breakable cable entry openings suitable for possible expansion. These openings can be equipped with the manufacturer's cable entry accessories if needed.

At the back of the cabinets, there shall be mounting accessories that allow installation of two vertical Power Distribution Units (PDUs) at the desired depth and height.

Additionally, there shall be two vertical cable troughs on the right and left sides at the back of the cabinets for cable management. These cable troughs shall have tie-off slots aligned with the U markings of the equipment mounting rails, making it easier to secure cables. Their design shall also provide attachment points for cable rings if needed.

On the front side of 80 cm wide cabinets, there shall be vertical cable organizers with plastic fingers and covers, running the full height of the cabinet on both sides, allowing for vertical cable management. Covers of the cable organizers shall have latches and their design shall be one-piece, making them easy to open, close, and secure.

To separate hot and cold airflow and maintain energy efficiency, openings at sides and top/bottom of front equipment mounting rails (or frame) shall be covered by accessories that block airflow. These accessories shall comprise lip-seal gaskets to prevent air leakage. The use of brushes or foam for this purpose shall not be accepted.

There shall be 1U blanking panels to cover empty equipment space in cabinets. Necessary number of blanking panels shall be offered to cover at least 50% of the total U height.

COLD AISLE CONTAINMENT

In the system room (or white area) a Cold Aisle Containment system shall be implemented according to the room layout.

The cold aisle width shall be 1200 mm.

Automatic aisle sliding doors shall be compatible with the access control system of the facility.

Sliding doors shall have a mechanism that opens with a hand sensor inside the aisle and closes automatically afterwards. They shall have lockable control panel on which their work modes can be selected.

Automatic sliding doors shall have their own supporting structure to be fixed on and do not transfer their load to adjacent cabinets.

Along the aisle, there shall be LED linear lighting mounted on the closure panels. The preference is for locally manufactured products. The lighting shall provide at least 500 LUX at a height of 1 meter above the floor on both horizontal and vertical axes.

Containment structure shall consist of frame modules made of sigma aluminum rails and enclosure surfaces shall be of 10 mm thick twinwall polycarbonate sheet material.

For operational convenience aisle top enclosures shall have an openable frame system i.e. frame sliding inside frame. Frames within top closure modules shall be openable to at least 50 cm.

Sigma aluminum rails with 45x45 mm cross-section shall be used to form structural frames, while inner frames shall be made from sigma aluminum profiles with 20x20 mm cross-section.

There shall be a gap of at least 10 cm between aisle top closure modules and the highest edge of cabinet doors. Necessary closure accessories to place in-between shall be provided.

Vertical closure modules made of same materials shall be installed in areas where there are no cabinets along the aisle such as where building columns are present, or space reserved for potential future cabinets.

For security reasons the inside of aisles shall be visible from both ends as much as possible.

AUTOMATIC AISLE DOORS

The automatic aisle door shall communicate with the building management system.

Function Programs

- Locking in open position
- Locking in closed position
- Automatic operation in both directions
- Automatic operation in one direction



KabinPLUS

KabinPLUS



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