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.

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

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



EAE Globally...

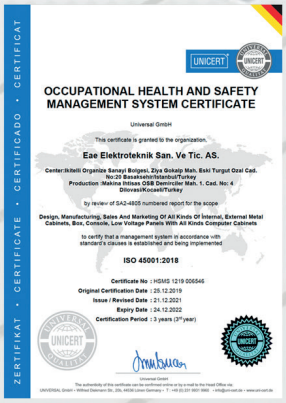
EAE Elektroteknik A.Ş.

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

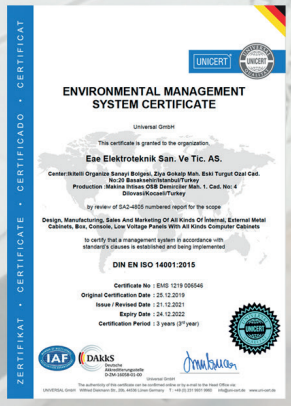
Throughout its history it has constantly anticipated market changes by developing pioneering designs, providing solutions that are adapted to customer requirements and fully in compliance with international standards.

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









Employees

EAE Elektroteknik has more than 260 empolyees.

Manufacturing facility

EAE Elektroteknik has 20.000m² manufacturing facility.

Experience

EAE Elektroteknik has 20 years experience.

UNICERT ISO 45001 · UNICERT ISO 14001 · UNICERT ISO 9001 · CE · AND ISO 27001 2013 · TSE · TS EN 62208 · TS EN 61587-1 · DEKRA · IEC 61439-1-2 · EAC

EAE Elektroteknik

Our solutions…

PANELMASTER



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.

E-Kabin®



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)

EAE
ELEKTROTEKNİK

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.

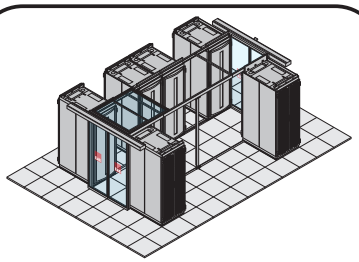
Value added solutions with seismic resistance are also offered within the scope of KabinPLUS product family. KabinPLUS seismic solutions includes various products that comply with IEC 60068-3-3, IEC 60980 (Nuclear Power Plants) EN 61587-2, Telcordia Nebs GR63 Zone 4 standards.





EdgeMDC

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EdgePOD

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EdgeMOD

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Access Control System Partners

Monitoring System Partners

EdgeBLOK System Solutions

Active Cooling Solutions Partners

Power Supply Solutions Partners

Cable Management Products Page 50

Airflow Management Products Page 66

Aisle Containment Solutions Page 78

KD Series



Data Center Cabinets

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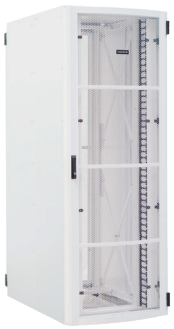
KL Series



Colocation Cabinets

Page 14

KS Series



Seismic Cabinets

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KR Series



Standing Type Datacom - Network Cabinets

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KM Series



IP55



IP20

Wall-Mount Datacom - Network Cabinets

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Data Center Applications

Datacom-Network Applications

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EAE Elektroteknik A.S reserves the right to make changes in informations contained in this catalog without notice.

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

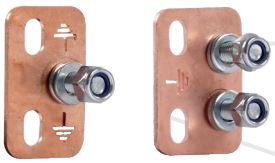


RAL 9005 Black | RAL 9003 White



GROUNDING

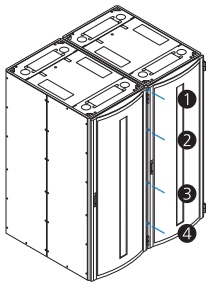
All doors, covers and internal parts are grounded with the body. The door grounding conductor is in a socket structure. The grounding terminal positioned on the frame is designed as a connection point to the common grounding network.



CABINET BAYING KIT

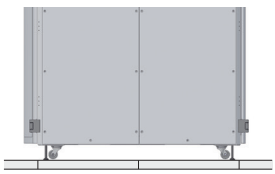
- Baying brackets made of 3 mm steel
- 4 pieces of baying brackets per upright pair
- It is not necessary to remove the doors during the cabinet baying.
- Baying brackets placed below the door plane - invisible when door closed
- The baying kit does not interfere with installation space in the cabinet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





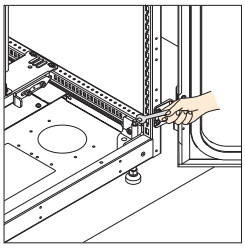
TRUE DIMENSIONS

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

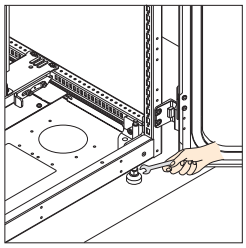


LEVELLING FEETS

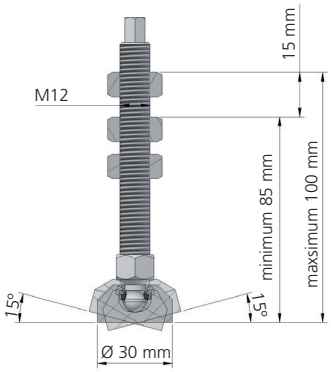
- Levelling feet allows adjustment on uneven floors
- Full metal design; no plastic part
- Loading capacity 1500 kg / 4 feets
- Adjusting range between 85 mm and 100 mm and +/- 15 degree
- Possibility of adjustment from inside the cabinet when external access to the feets is blocked by airflow management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



Adjustment from inside



Adjustment from outside

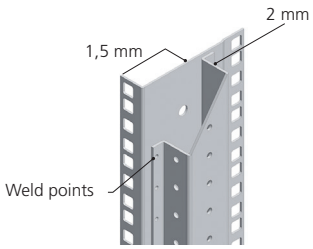


Full-metal design

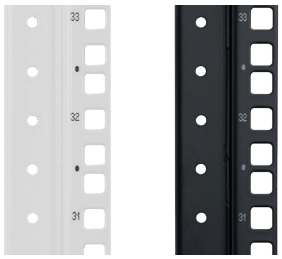


19 INCH MOUNTING RAILS

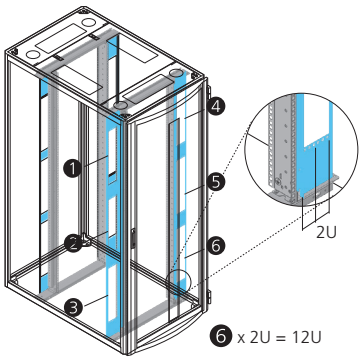
- Compatible with EN 60297-3-100 ve EIA-310D
- 4 pieces of mounting rails in all configurations
- Dual welded design with 2 mm +1,5 mm steel rails
- Square mounting holes for M6 cage nuts
- 1500 kg load capacity with four rails
- Additional 12U Zero-U mounting area option in 800 mm wide cabinets



- 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.

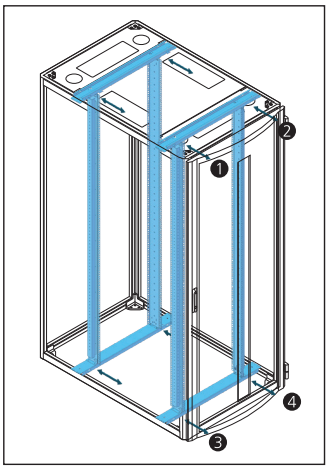


Rack unit markings both on front and rear mounting rails - white marking on black paint / black marking on white paint

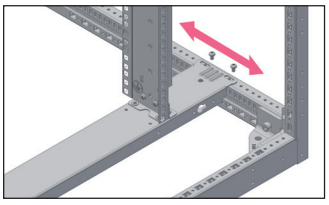


- Zero-U mounting option - 12U

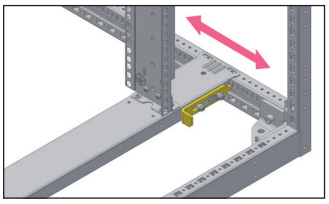
- Front and rear depth adjustment alternatives



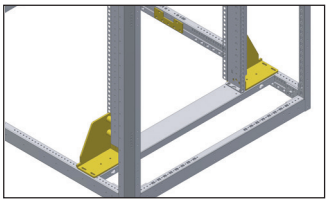
Position and depth adjustment at four points



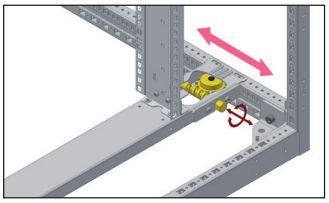
Standard type - Continuously adjustable



Slider type - Adjustable by 10 mm steps



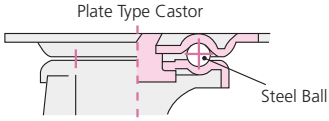
Seismic reinforced support rail
For more details pl. refer to page 98

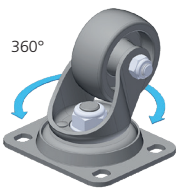


Mechanism type - Continuously adjustable

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.



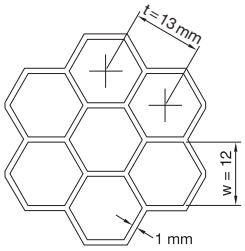


Doors and Panels

FRONT AND REAR DOORS

- More airflow achived 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.

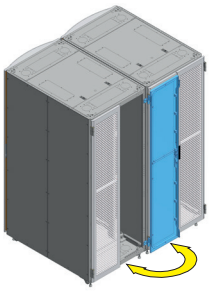
Perforation Dimensions





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.

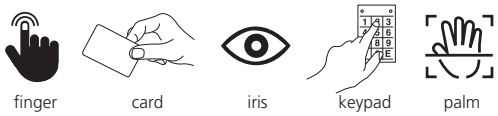


180° hinge



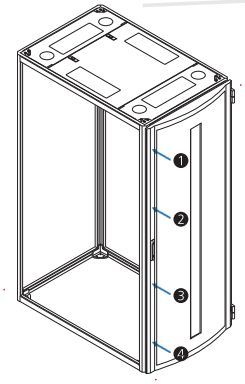
LOCKING OPTIONS

- 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



finger print | card reader | iris | keypad | palm vein

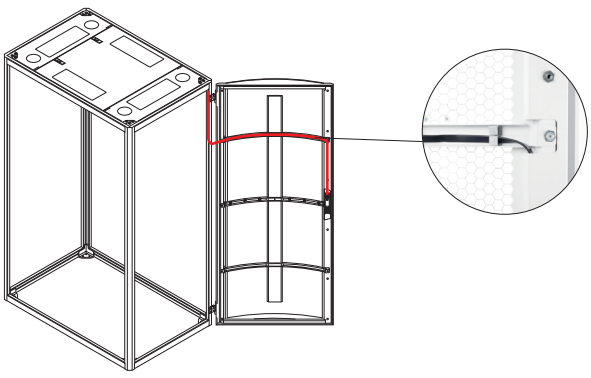
For more details please refer to page 41.



4 points locking alternative

DEDICATED CABLE ROUTING ON DOORS

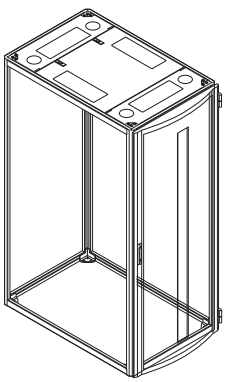
- Necessary cable route for electronic locking system cabling inside the door is predefined.
- Cable channels for temperature and airflow sensors are placed at top, mid- and lower height on the door



For more details please refer to page 61.

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.







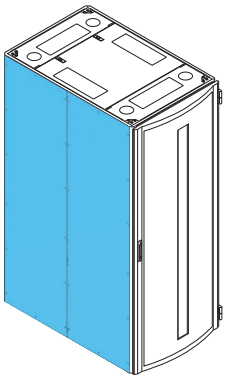


Please refer to Page 62
for cable entry accessories

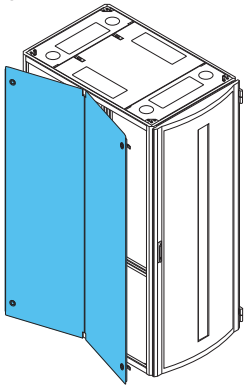
SIDE PANELS

- 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.

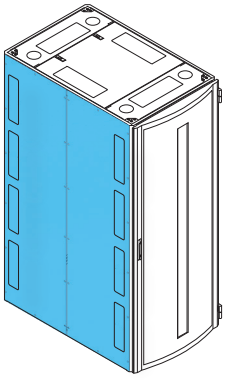
Side panel options



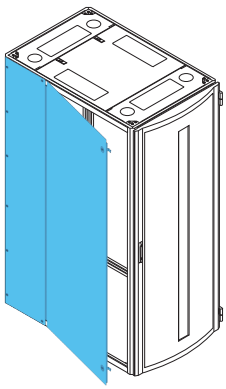
Fixed side panel



Hinged side panel

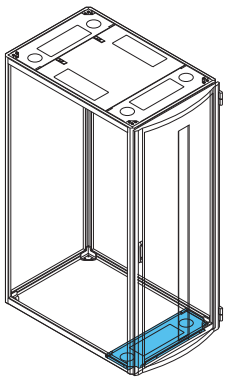


Transition type side panels

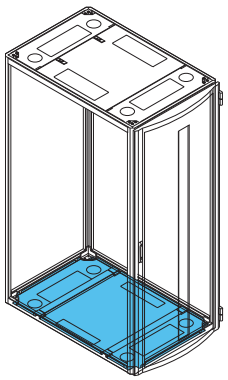


Head-of-row side panel

Bottom cover options



Ⓑ - Partial covered



Ⓒ - 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 complience 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 transfering 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.

Most Preffered Accessories

- Vertical Cable Manager - Page 52
- Vertical Cable Trough- Page 55
- PDU Brakcet Set - Page 56
- Brushed Cable Entry Accessories - Page 62

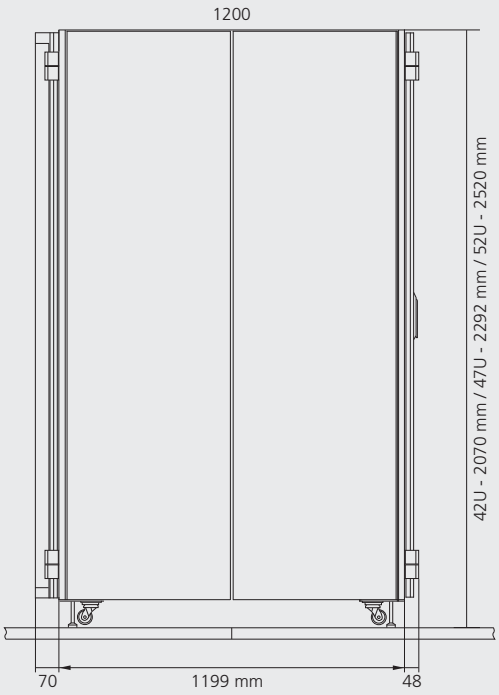
ACCESSORIES

Cable anagement accessories Page 50
Air flow management accessories Page 66
Part No system Page 110
Packaging Page 100

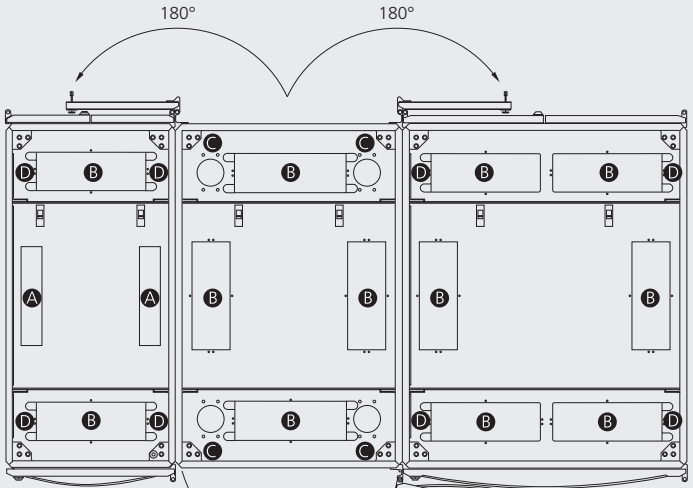
Nominal dimensions



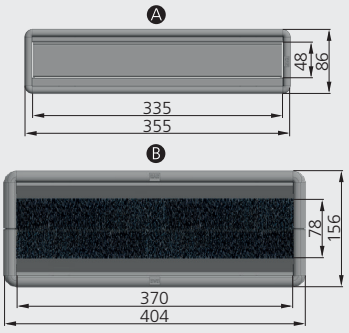
-9 mm airflow sealing and adjustment tolerance in width

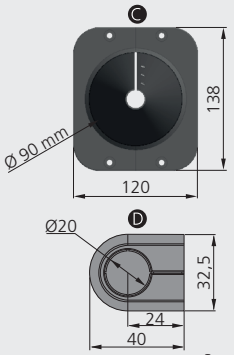


Depth Code	Nominal Dimension	Net Dimension
10	1000	999 mm
11	1100	1099 mm
12	1200	1199 mm
13	1300	1299 mm

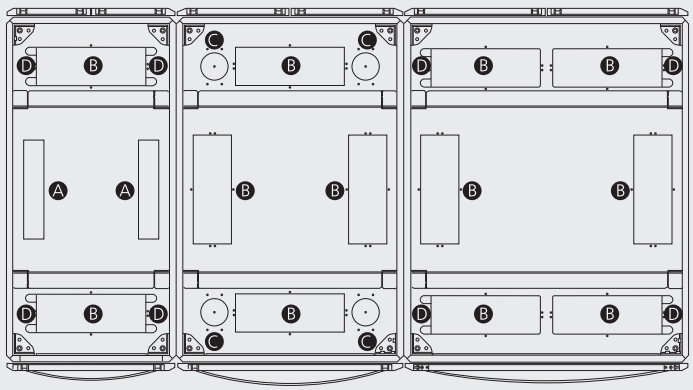


Top view

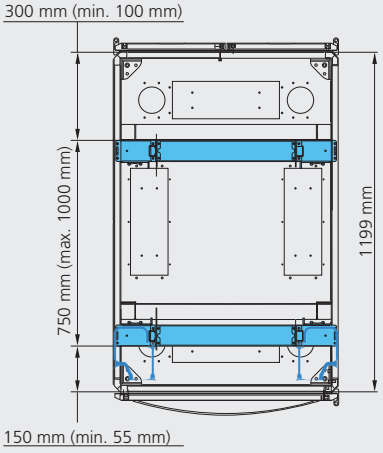


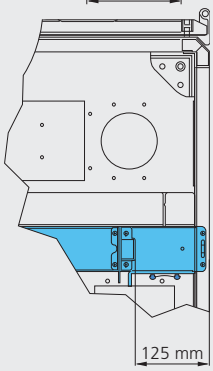


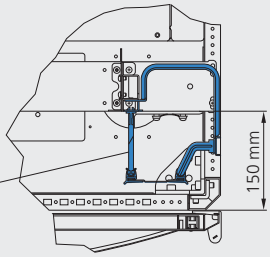
Please refer to Page 102 for actual dimensions



Internal bottom view







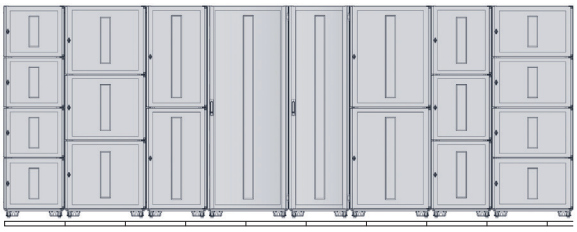
Cable manager

All dimensions are in mm unless stated

General Features

COLOCATION CABINET

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

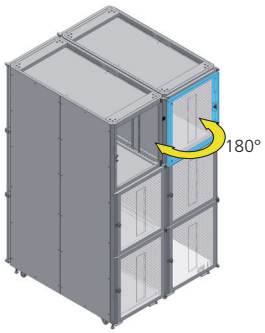


STRUCTURAL DESIGN CONTINUITY

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

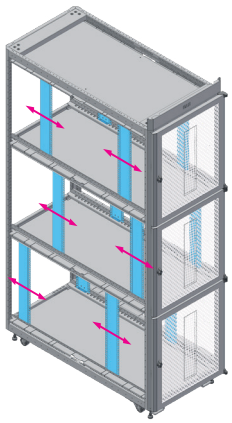
DOORS WITH 180 DEGREES OPENING ANGLE

- 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 mouting rail can independently be adjusted in depth direction.
- Unit indicators are marked on both front and rear rails.





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

LOCK OPTIONS

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



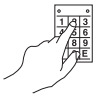
Latch type electronic lock



View from inside when door locked



card reader

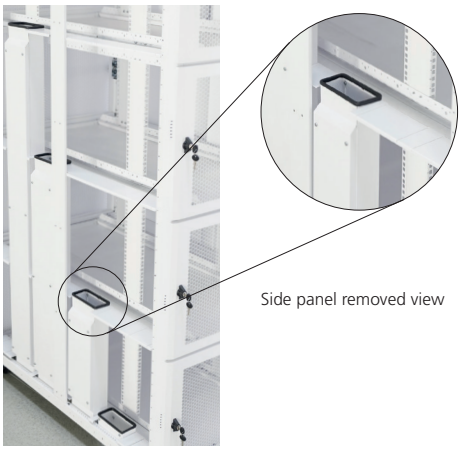


keypad



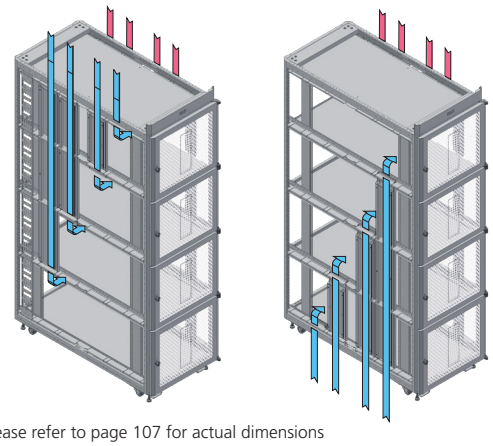
SECURE AND SEPARATE CABLE ROUTING

- 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.



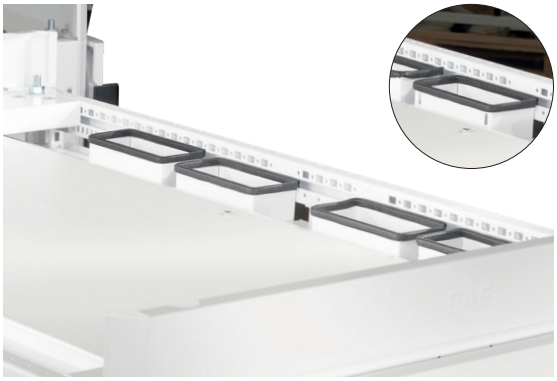
Side panel removed view

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



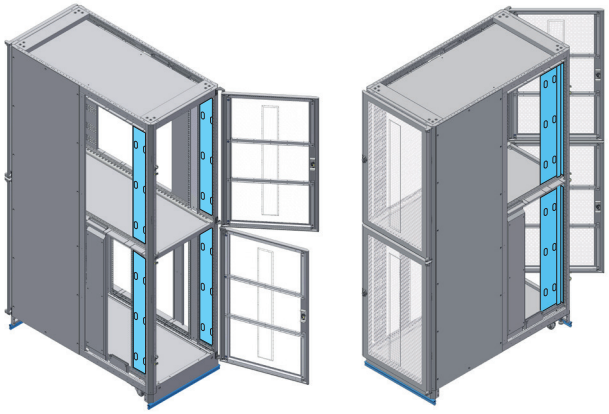
Please refer to page 107 for actual dimensions

- 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.



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.



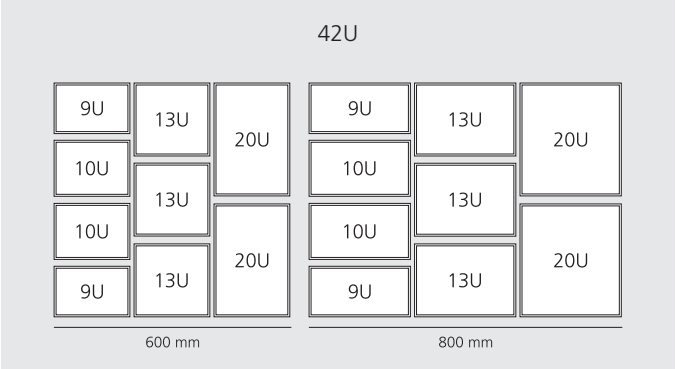
Features

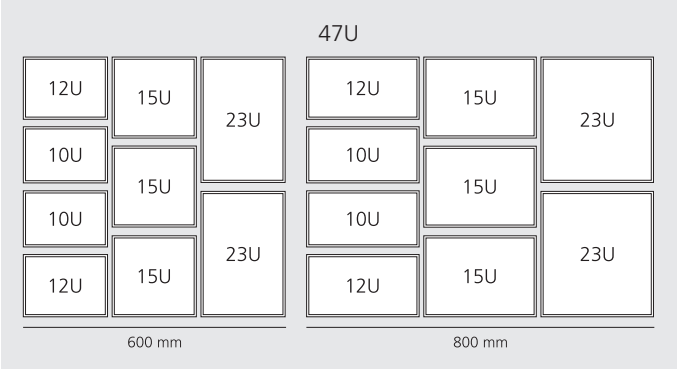
Colocation Cabinet - 42U

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

Colocation Cabinet - 47U

Width	Height	Depth
600 mm	47U	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.

- 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 transfering 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 font 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.

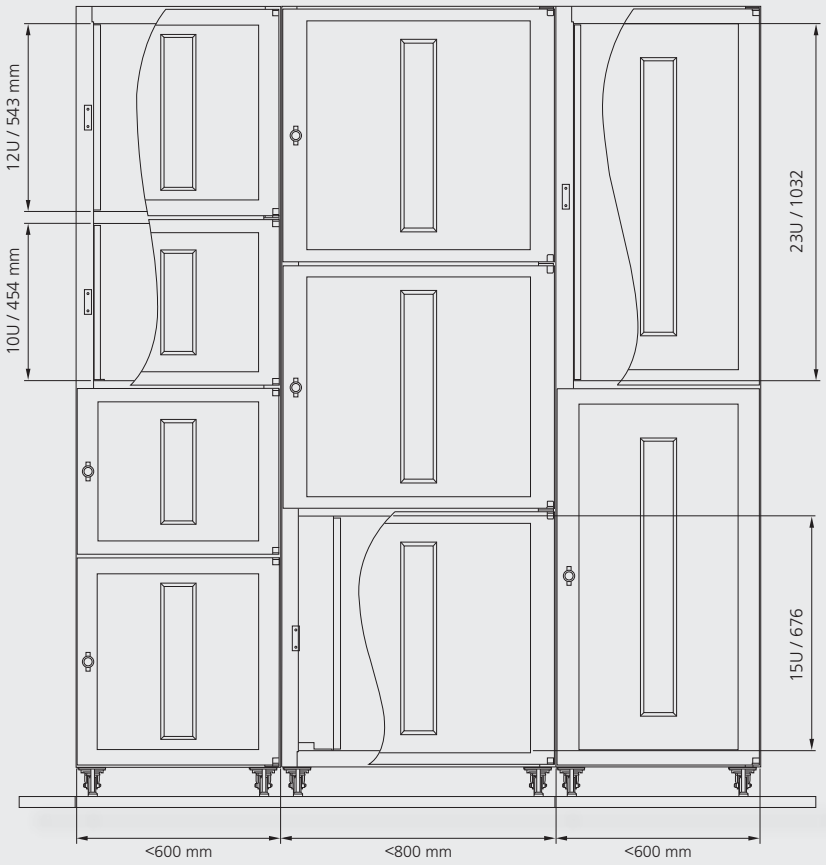
ASSEMBLED ACCESSORIES

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

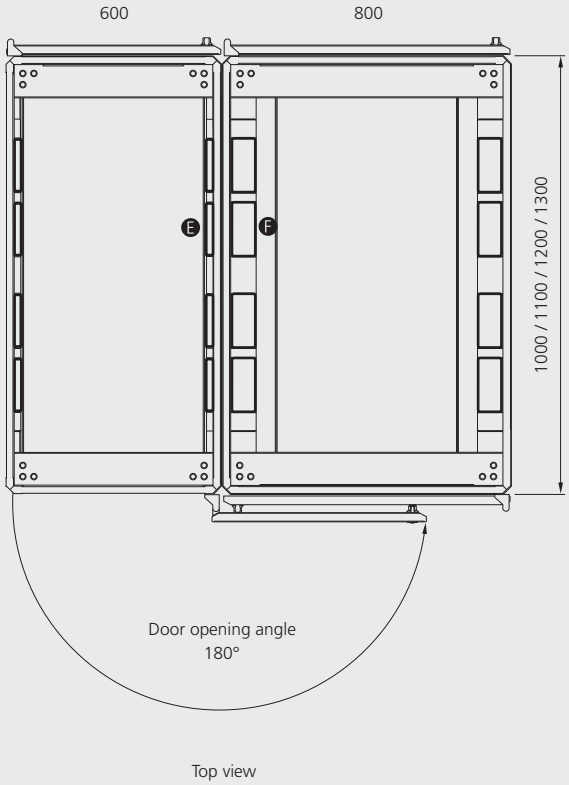
ACCESSORIES

Cable anagement accessories Page 50
Air flow management accessories Page 66
Part No system Page 110
Packaging Page 100

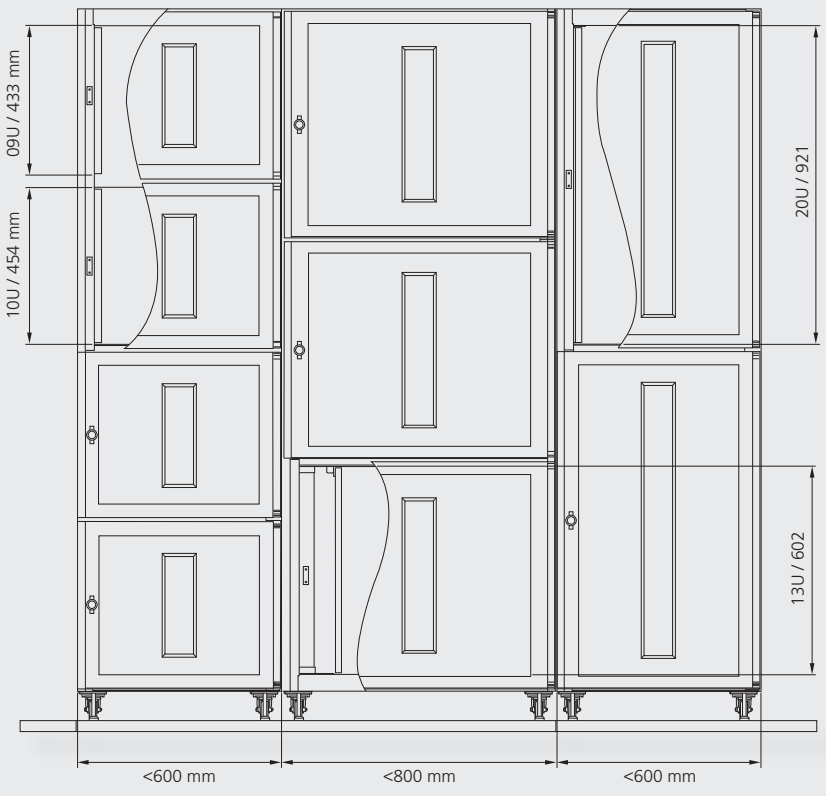
Cabinet Height 47U



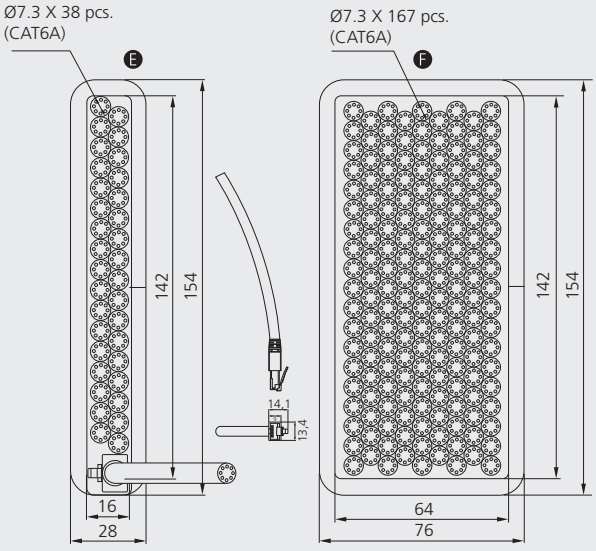
Cabinet Width



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.

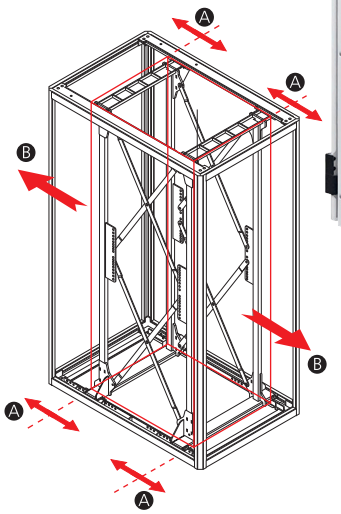


CONSISTENCY IN FEATURES

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. Ⓐ
- Design with welded mounting frames eliminate fixing at mid-height to the frame, which provides more space for cabling and air flow management accessories. Ⓑ

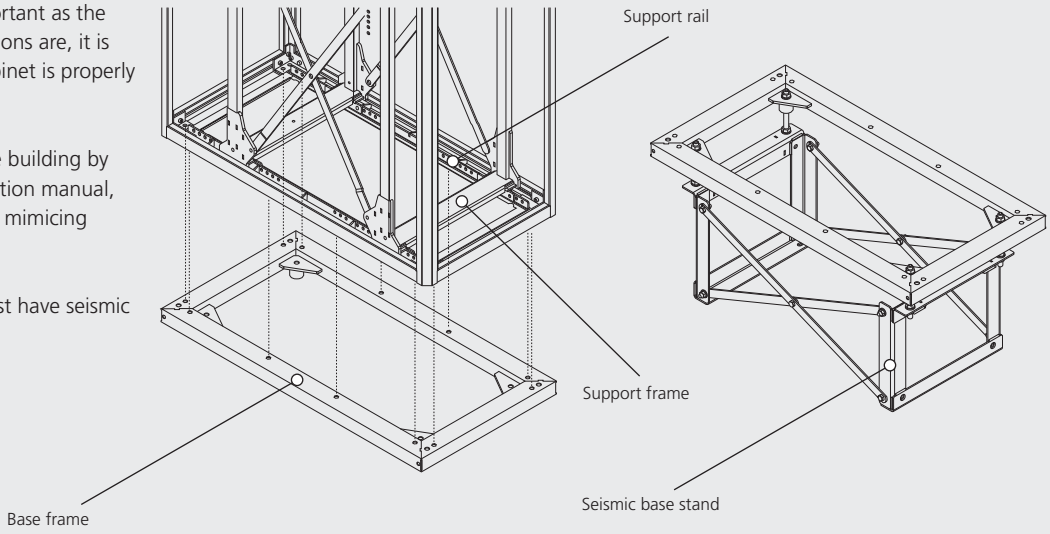


Attachment and anchorage

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 complience 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 complience 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 axisare 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

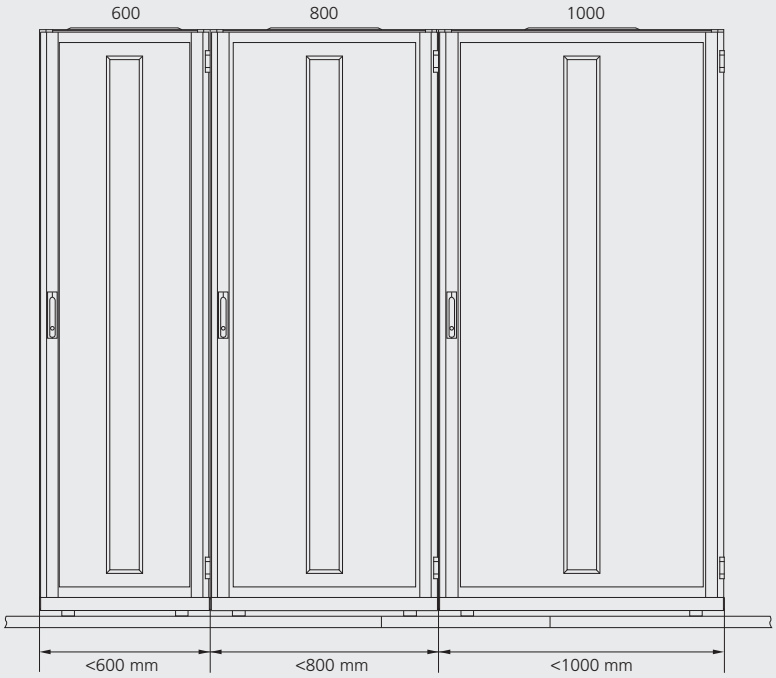
Selected items and accessories can be delivered either assembled or separately packed. Please inform your sales representative accordingly when ordering.

Most Preffered Accessories

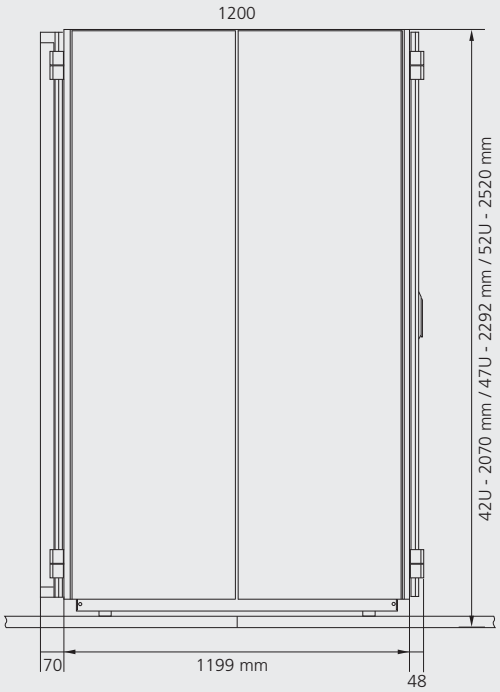
- Vertical Cable Manager - Page 52
- Vertical Cable Guide - Page 55
- PDU Brakcet Set - Page 56
- Brushed Cable Entry Accessories- Page 62

ACCESSORIES

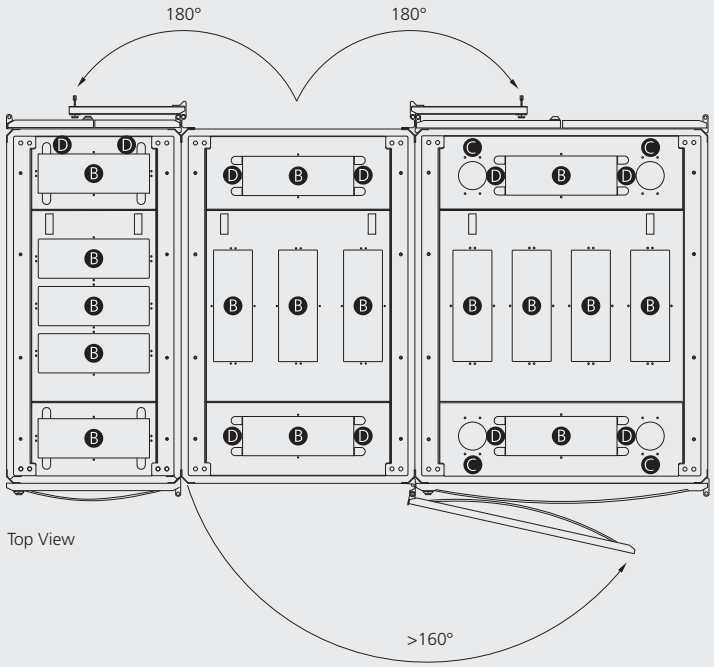
Cable anagement accessories Page 50
Air flow management accessories Page 66
Part No system Page 110
Packaging Page 100



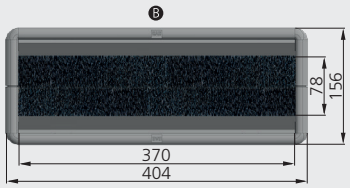
-9 mm airflow sealing and adjustment tolerance in width

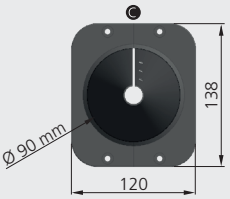


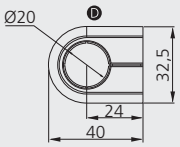
Depth Code	Nominal Dimension	Net Dimension
10	1000	999 mm
11	1100	1099 mm
12	1200	1199 mm
13	1300	1299 mm



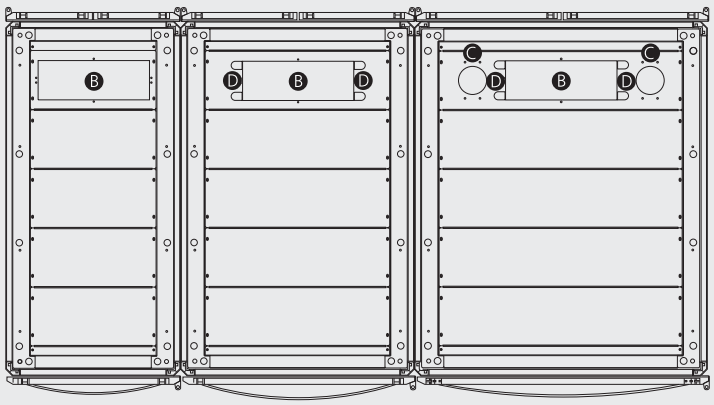
Top View



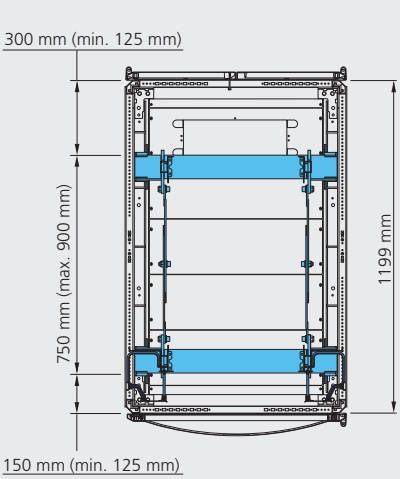


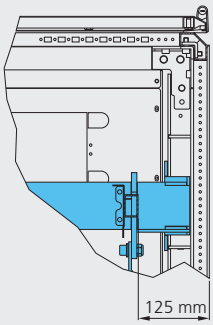


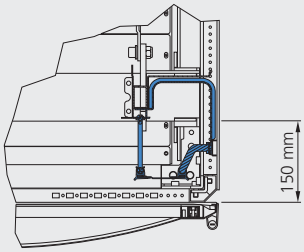
Please refer to Page 102 for actual dimensions



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.



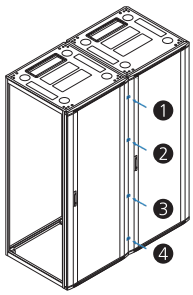
STANDARD FEATURES

- 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 convinience 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.



With brake



Standard



Rear doors

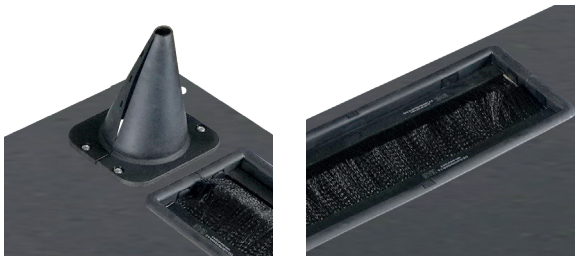
FRONT AND REAR DOORS

- 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 breaken or knocked-out entry openings for physical cable protection and dust sealing.



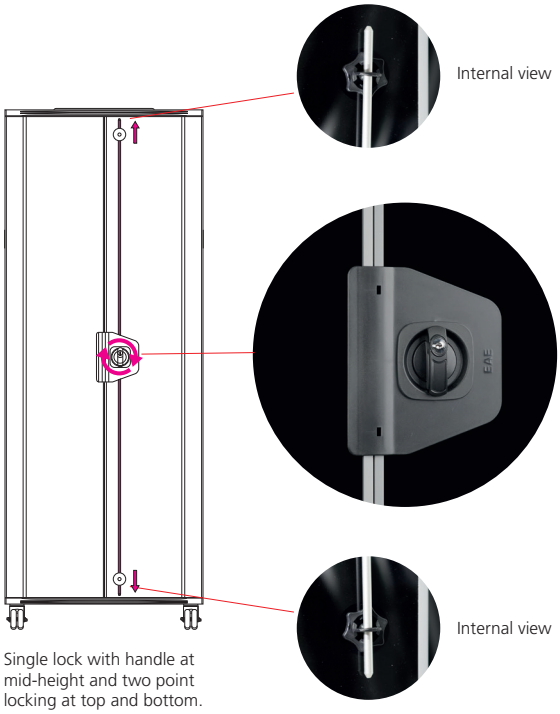
Cable entry modules

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.



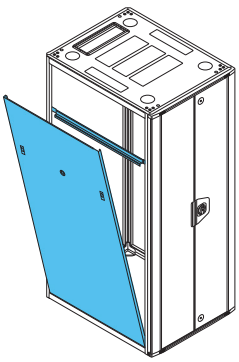
Fan module



Single lock with handle at mid-height and two point locking at top and bottom.

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 Preffered Accessories

- Vertical Cable Manager - Page 52
- Vertical Cable Guide - Page 55
- PDU Brakcet 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

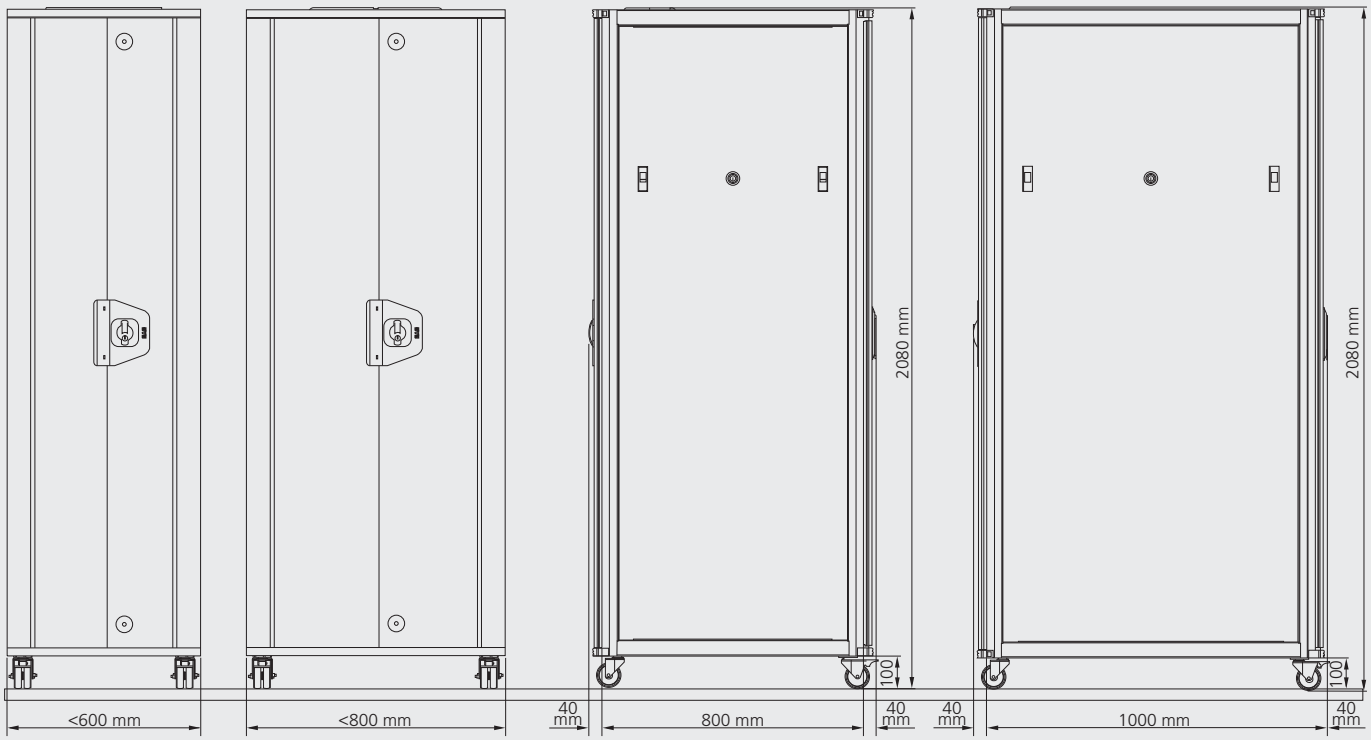
600

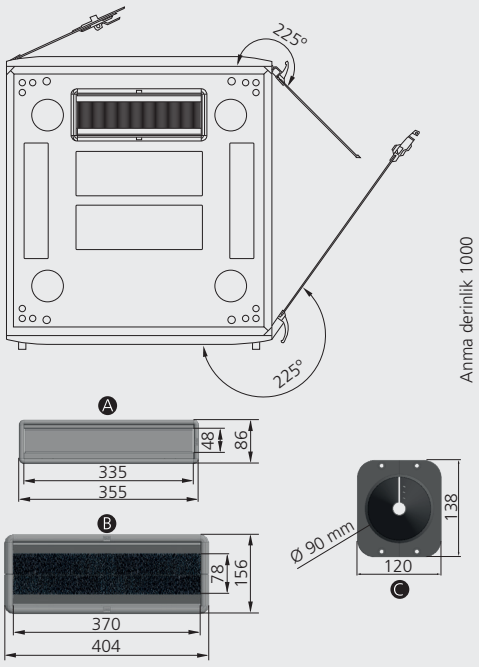
800

Nonimal depth

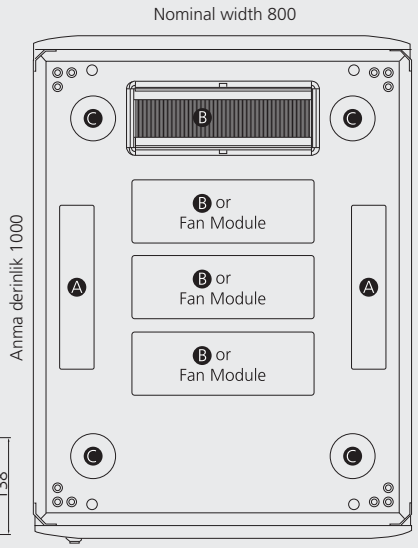
800

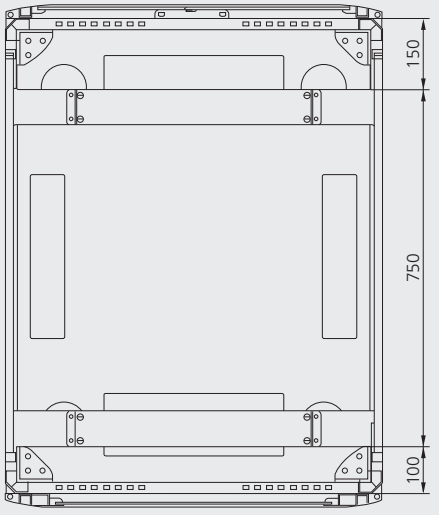
1000



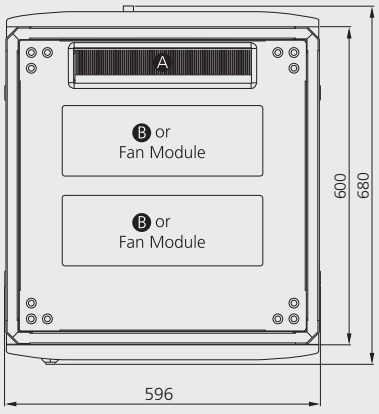


Nominal width 800

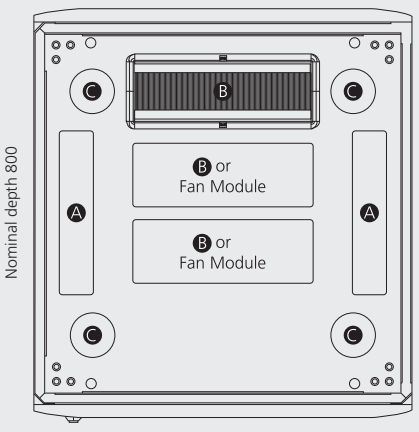




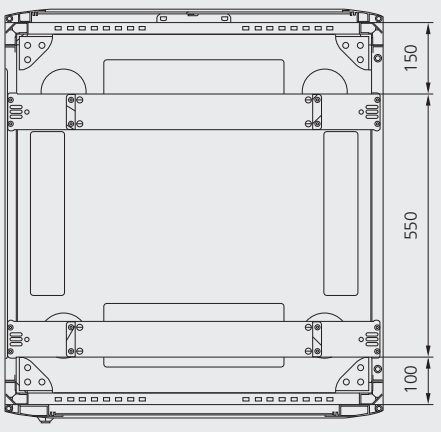
Nominal width 600



Nominal width 800



Top view



Internal bottom view

All dimensions are in mm unless stated.

General Features

WALL-MOUNT TYPE DATACOM CABINETS

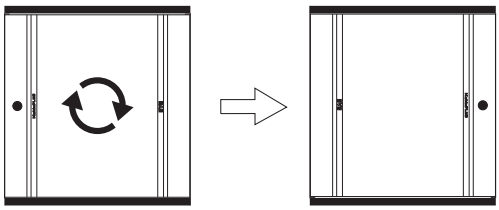
- Delivered assembled, ready to use
- Mounting bracket enables wall-mounting by a single person
- Single key type for door and side panels
- Impact resistant packaging
- 85% perforated door option
- Standard heights; 7U, 9U, 12U, 16U, 20U



Glazed Front Door

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



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

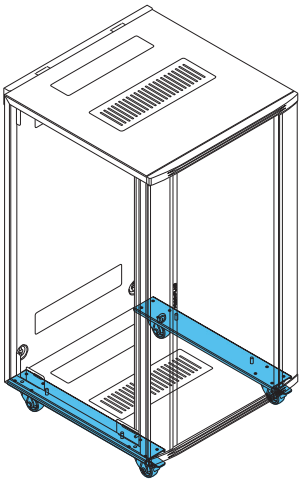
SIMPLE CABLE ENTRY

- 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

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 easly 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.



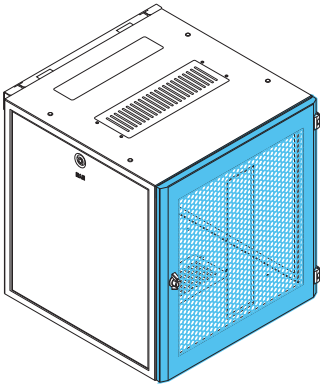
IP55 - Glazed Door



Fan Module

PERFORATED FRONT DOOR

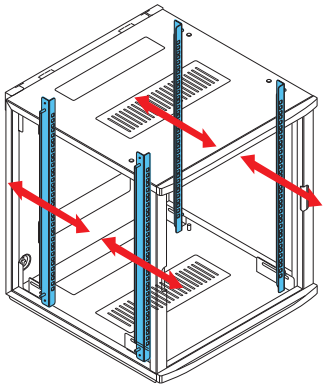
When more ventilation is necessary perforated front door can be used.



Perforated door

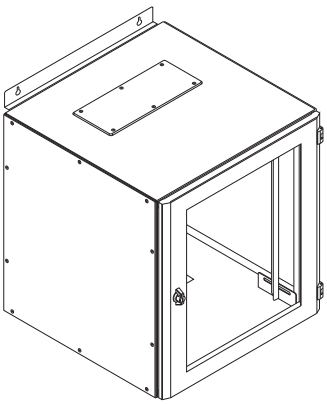
MOUNTING RAILS

- 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.



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



IP20

Perforated Front Door



IP20

Glazed Door



IP55

Solid Metal Door

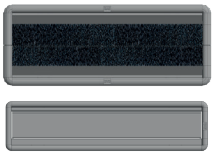


IP55

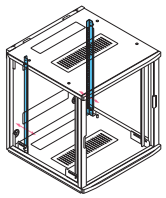
Standard Features

- 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.

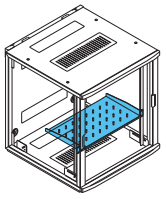
- Cable entry accessory (Please refer to page 62 for details.)



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

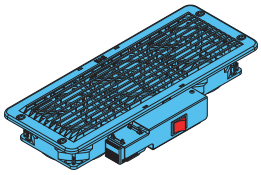


- Shelf (Please refer to page 91 for details.)

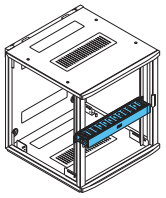


Most Preffered Accessories

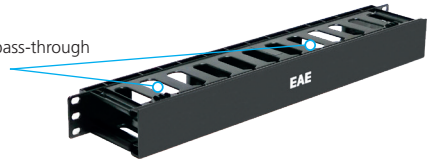
- Fan; module
  1, 2 or 3 fan alternatives
  - 155m3/h flow per fan
  - Power input 230V - 50 Hz AC
  - IEC14 socket with 1,5m cord
  - Thermostate 0° - 55°C
  - Illuminated ON/OFF switch
  (For more details please refer to page 95.)



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

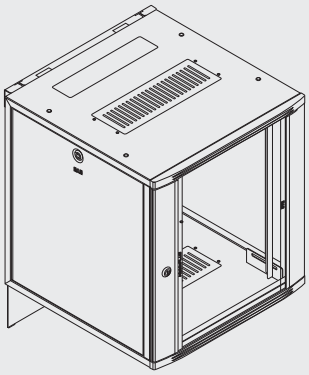


Rear cable pass-through

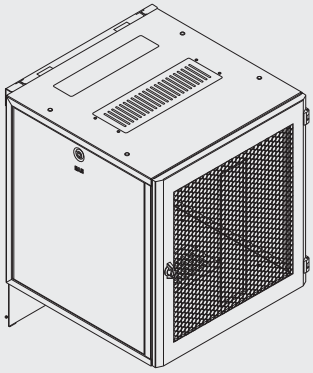


ACCESSORIES

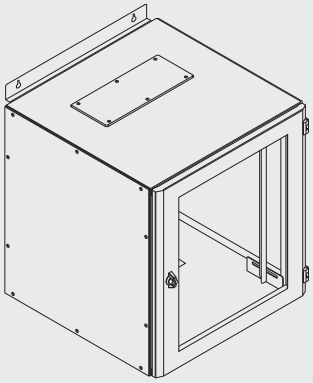
Cable anagement accessories Page 50
Air flow management accessories Page 66
Part No system Page 110
Packaging Page 100



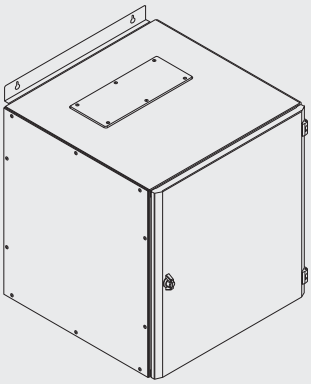
Wall-mount cabinet with glazed door



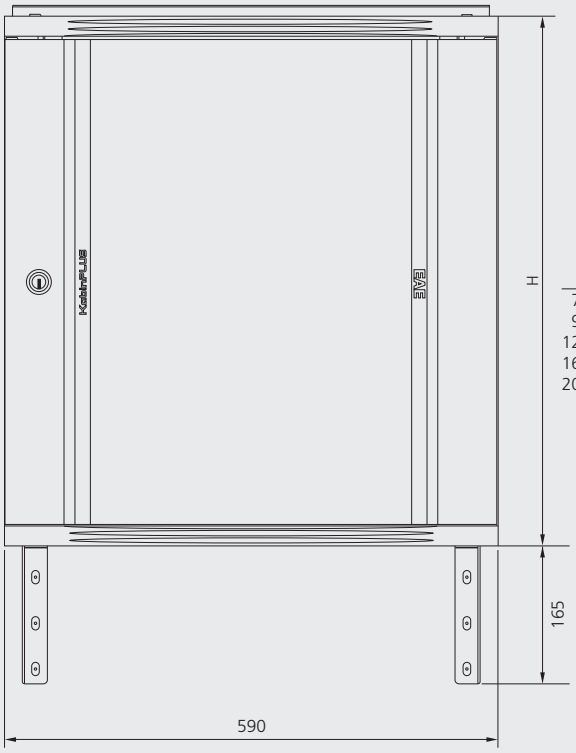
Wall-mount cabinet with perforated door



IP55 Wall-mount cabinet with glazed door

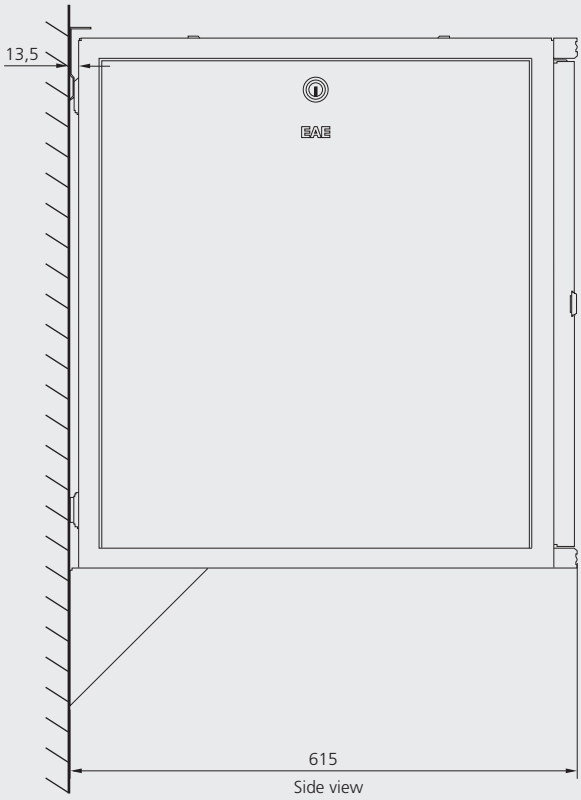


IP55 Wall-mount cabinet with metal door

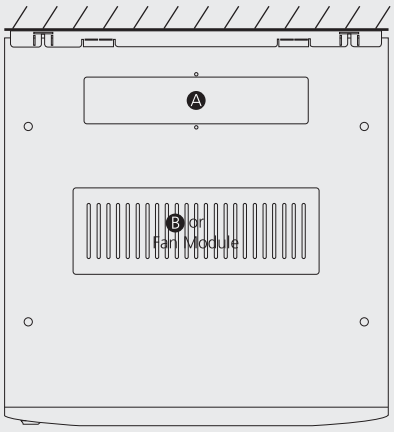


H
7U - 411 mm
9U - 500 mm
12U - 633 mm
16U - 813 mm
20U - 993 mm

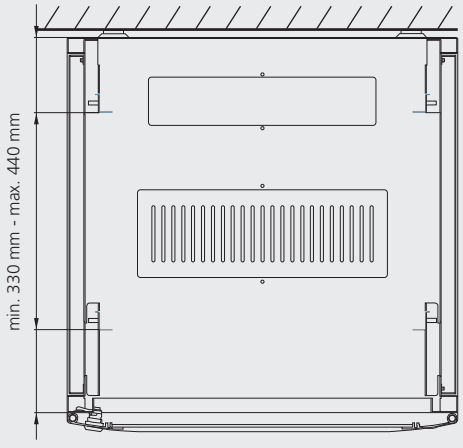
Front view



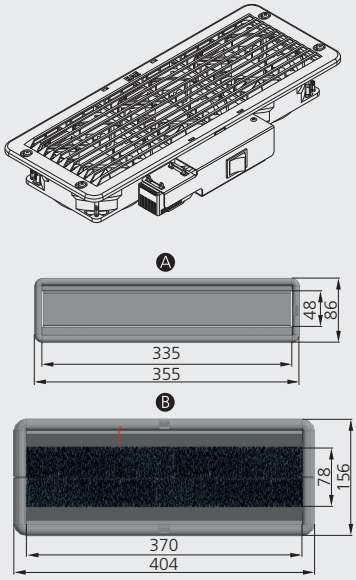
Side view



Top view



Top section view



All dimensions are in mm unless stated.

EdgeBLOK MDC

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.



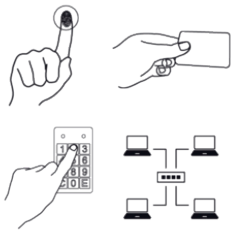


EQUIPMENT OPTIONS

- 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

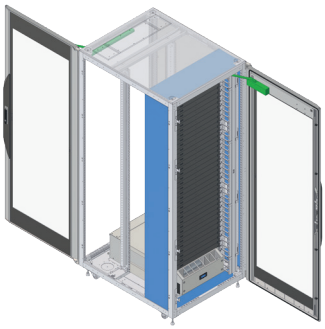


Edge Computing Cabinets	Entry Configuration	Value Configuration	Premium Configuration
Cabinet Height	42U - 47U	42U - 47U	42U - 47U
Cabinet Width	600 - 800	600 - 800	600 - 800
Cabinet Depth	1000 / 1200	1000 / 1200	1000 / 1200
Available Rack U Space	28U / 33U	28U / 33U	28U / 33U
Cooling Capacity	3kW DX	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	Moinoted 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		



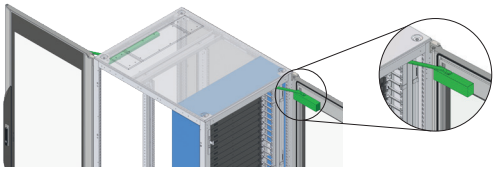
THERMAL INSULATED COLD ZONE

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

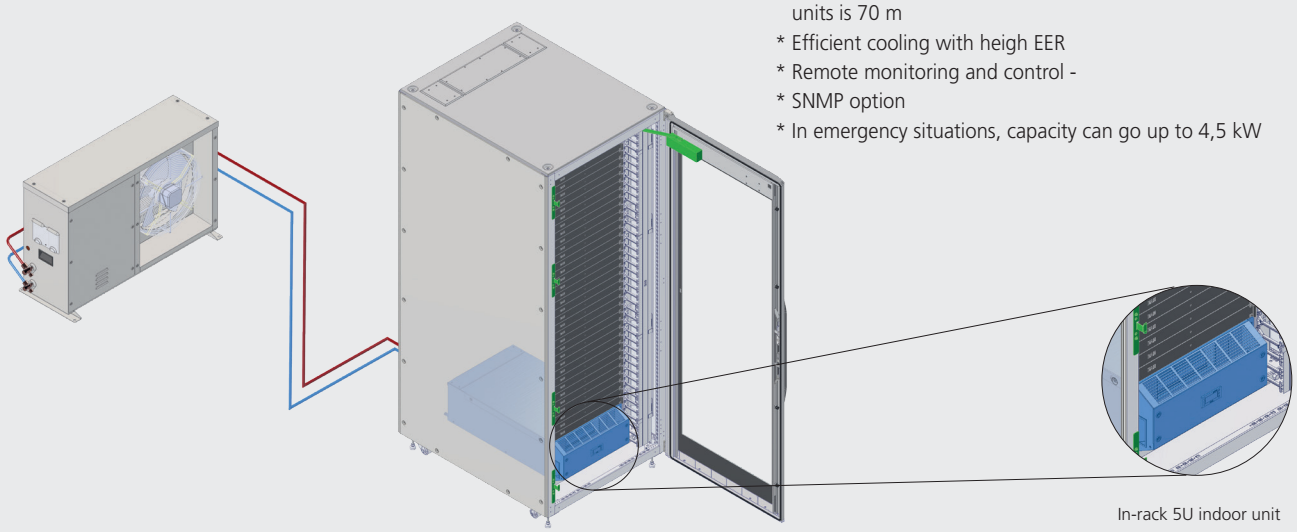
Optionally, the self-opening emergency door system can open the door in emergencies such as power outages using the mechanical energy it has previously accumulated. Thus, servers or other devices installed in the cabinet can continue to cool themselves with the ambient air in the room using their own 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 heigh EER
* Remote monitoring and control -
* SNMP option
* In emergency situations, capacity can go up to 4,5 kW

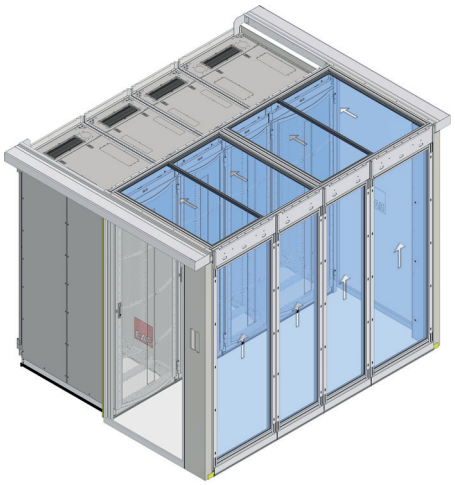


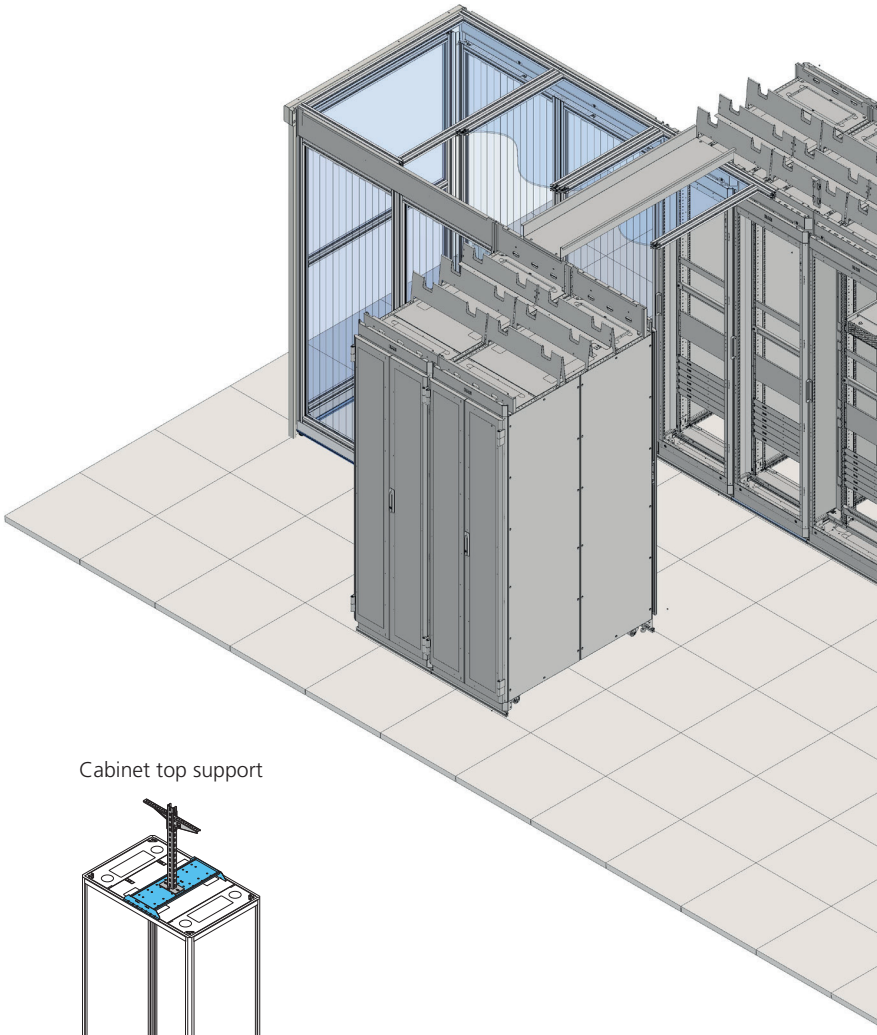
In-rack 5U indoor unit

EdgeBLOK POD

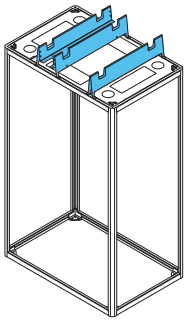
Edge Computing POD

SINGLE-SIDED AISLE APPLICATION

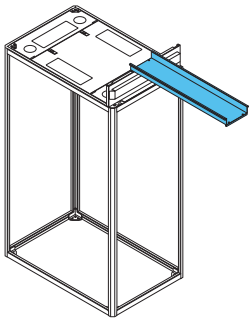




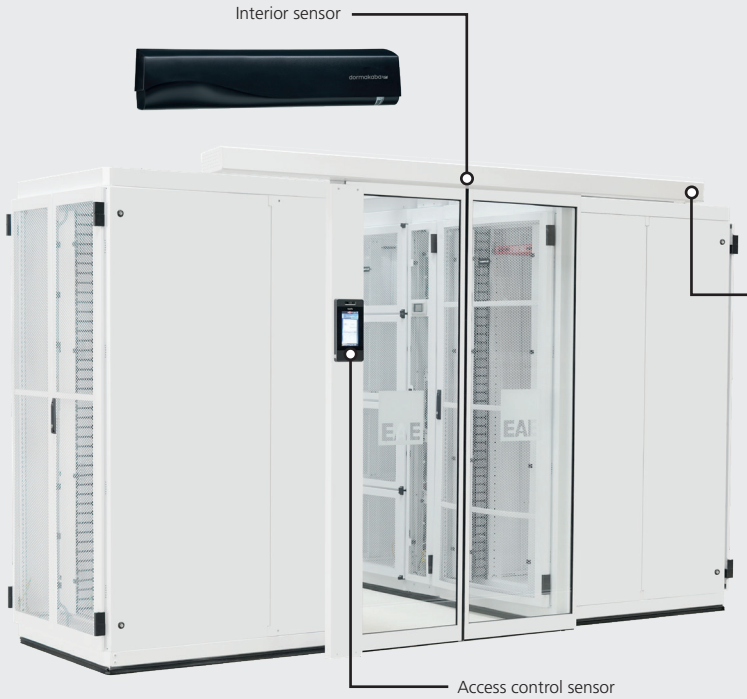
Cabinet top cabling



Aisle crossover



Cabinet top support



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

Lock-selectable function programs

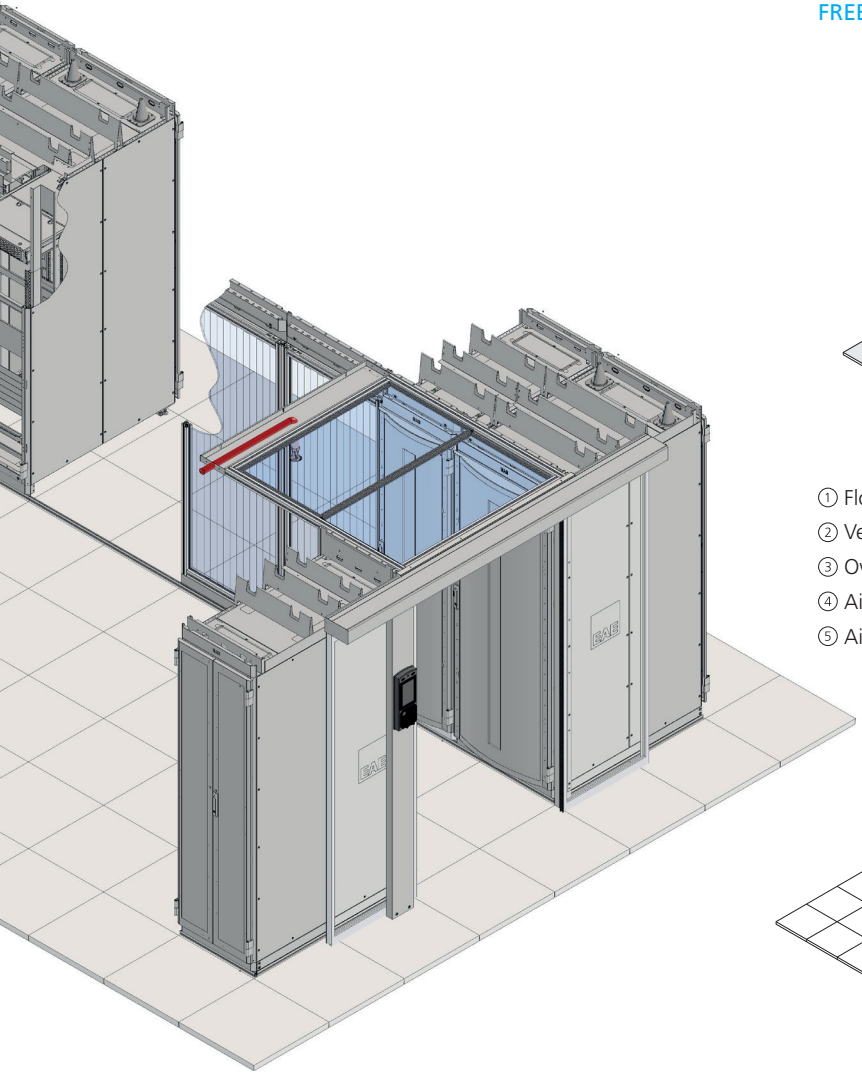


Function programs

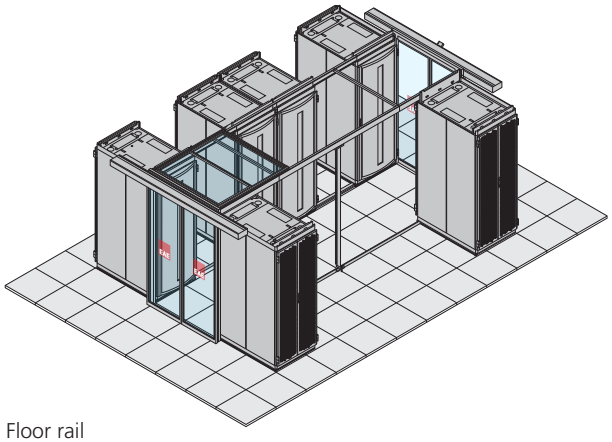
- Locking in open position
- Locking in closed position
- Automatic operation in both directions
- Automatic operation in one direction

Manual Door

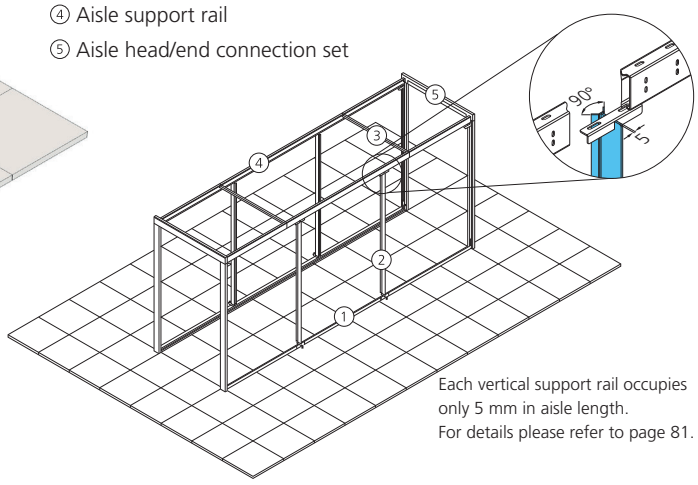
- Double-wing - synchronous operation feature
- Decelerating feature in open and closed end positions
- Door motion - feature that prevents staying in intermediate position
- Gaskets that provide complete cool air sealing in the closed position



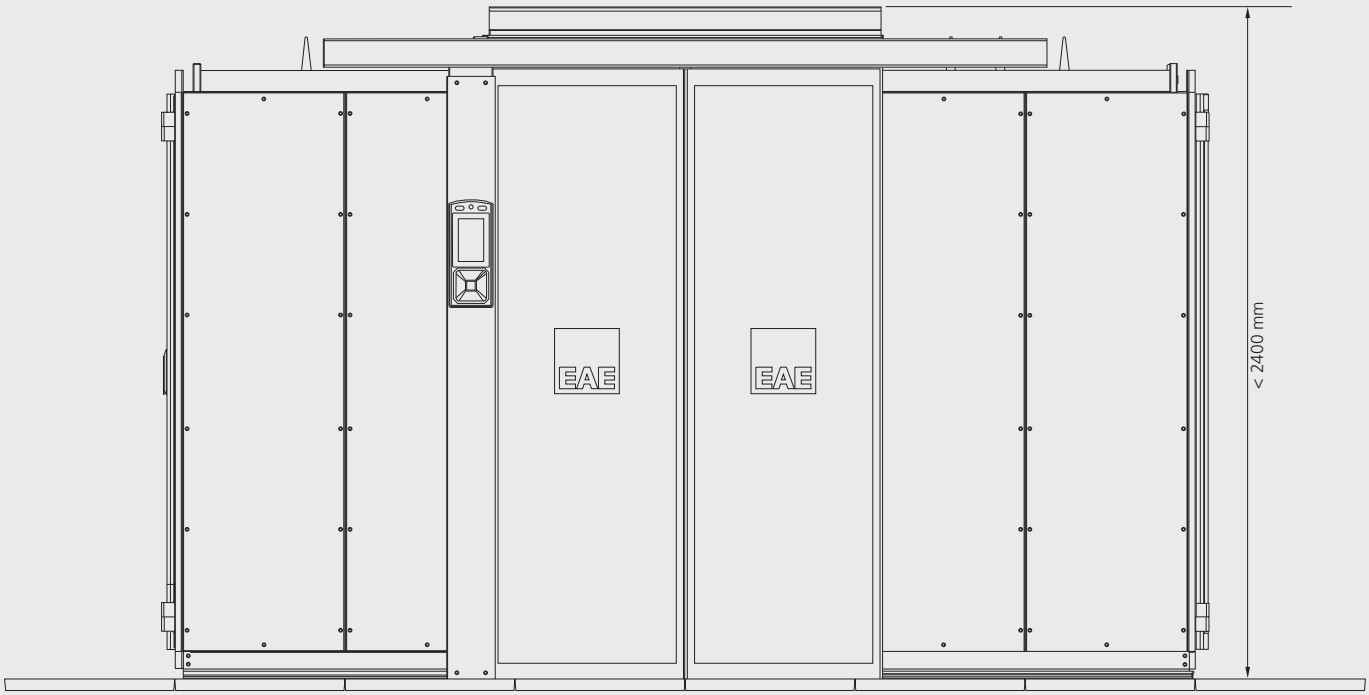
FREE-STANDING AISLE CONTAINMENT



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

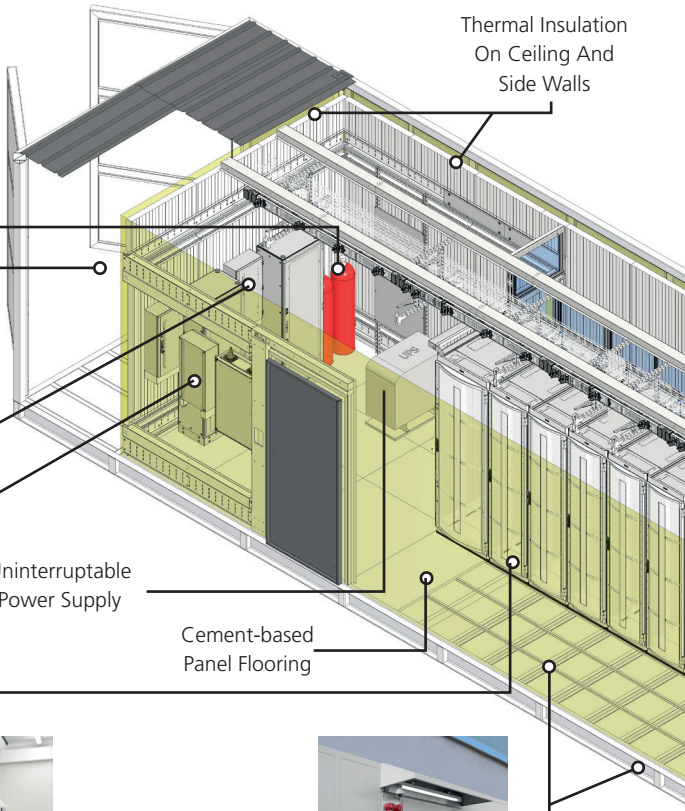
ALL-IN-ONE Container



Fire Monitoring and Suppression System



Power Distribution Boards





Security and Environmental Monitoring Cabinet



Cabinets attached to the floor and roof



Rugged Steel Construction Suitable For Loaded Transportation

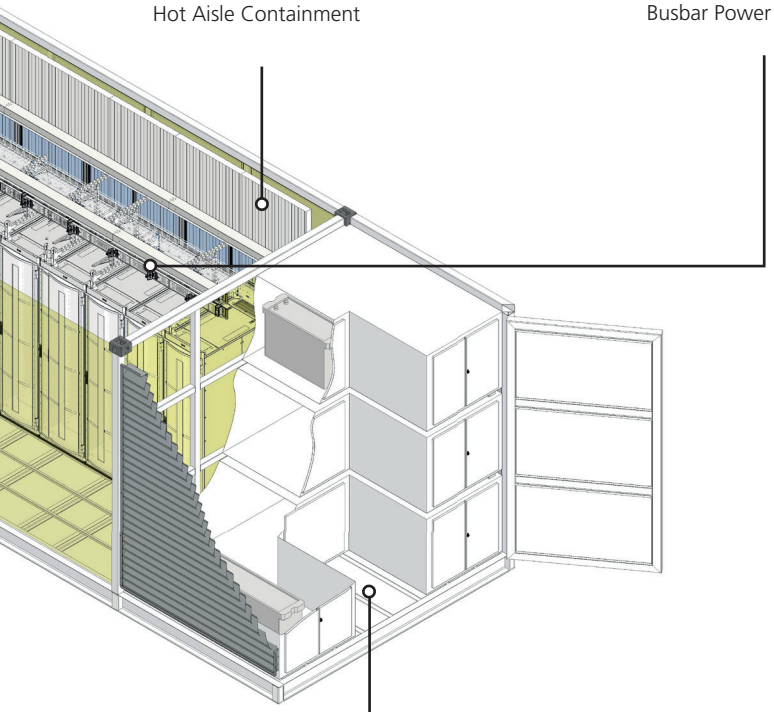
ALL-IN-ONE Container			20kW IT Load	100kW IT Load
			ISO 40"HC- High Cube	NON-ISO
STRUCTURAL FEATURES	External Dimensions (mm)	Length	12192	14000
		Width	2438	3600
		Height	2896	3532
	Number of Cabinets		4 (2 Network + 2 Server)	10 (2 Network + 8 Server)
	Cabinet Height / Depth		42U - 47U / 1200 mm	
	Cooling Topology	Cooling System	Fan-Wall / Hot Aisle Contianment	
	Cooling	N	20kW	55kW + 55kW
		N+1	20kW + 20kW	55kW + 55kW + 55kW
		per Cabinet	5kW	10kW
ELECTRICAL FEATURES	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	Novec 1230	
		Detection	Smoke and Air Quality Sensors / VESDA - Optional	
	Fire Rating	Duration	120 minutes	
SECURITY	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

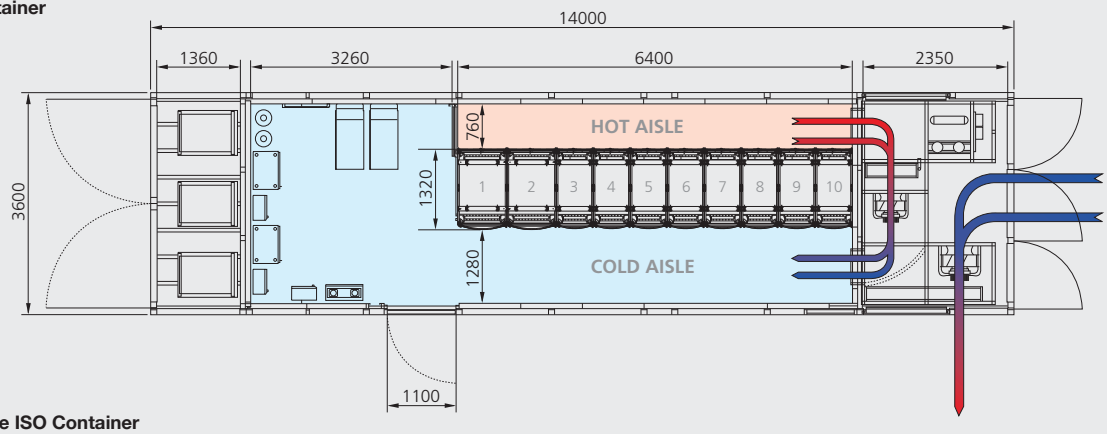


Cooling System
Technical Room

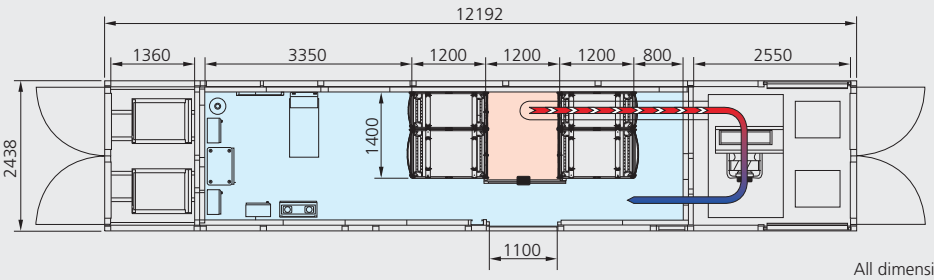


Ready for shipment; after all internal installation and commisioning works

Non-ISO Container



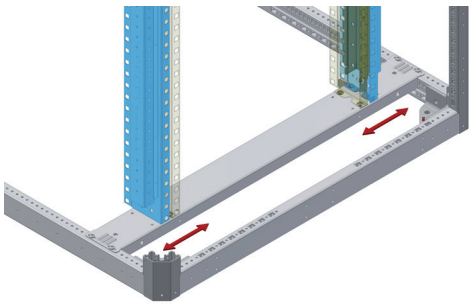
40ft High Cube ISO Container

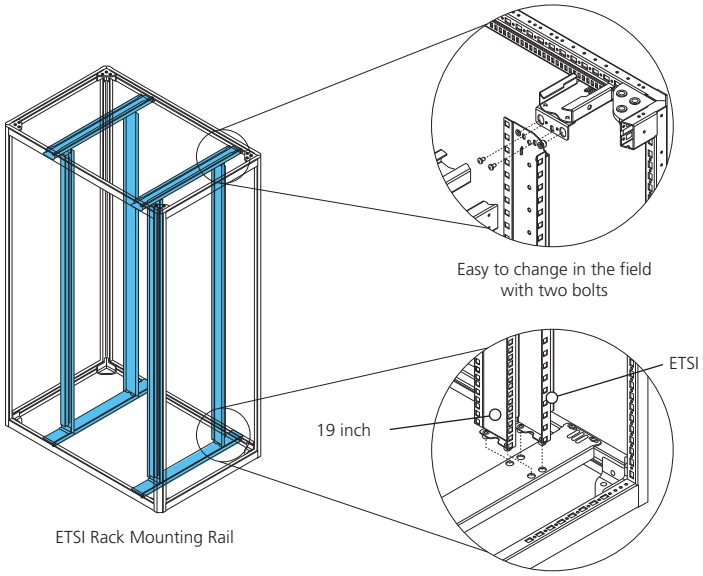


All dimensions are in mm unless stated.

Custom Design Cabinets

CUSTOM ETSI and 23 INCH RACK APPLICATIONS





ETSI Rack Mounting Rail

CUSTOM OUTDOOR CABINETS



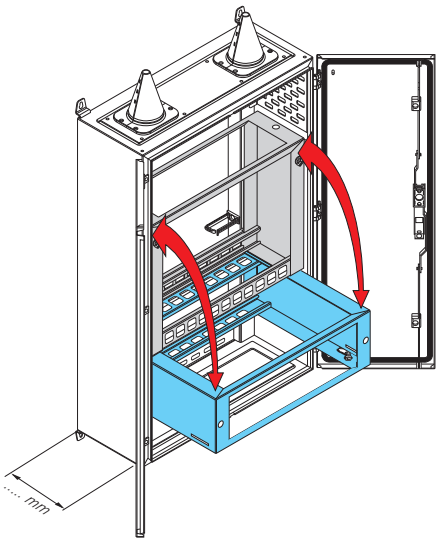


CUSTOM INDUSTRIAL DUSTY ENVIRONMENT CABINETS



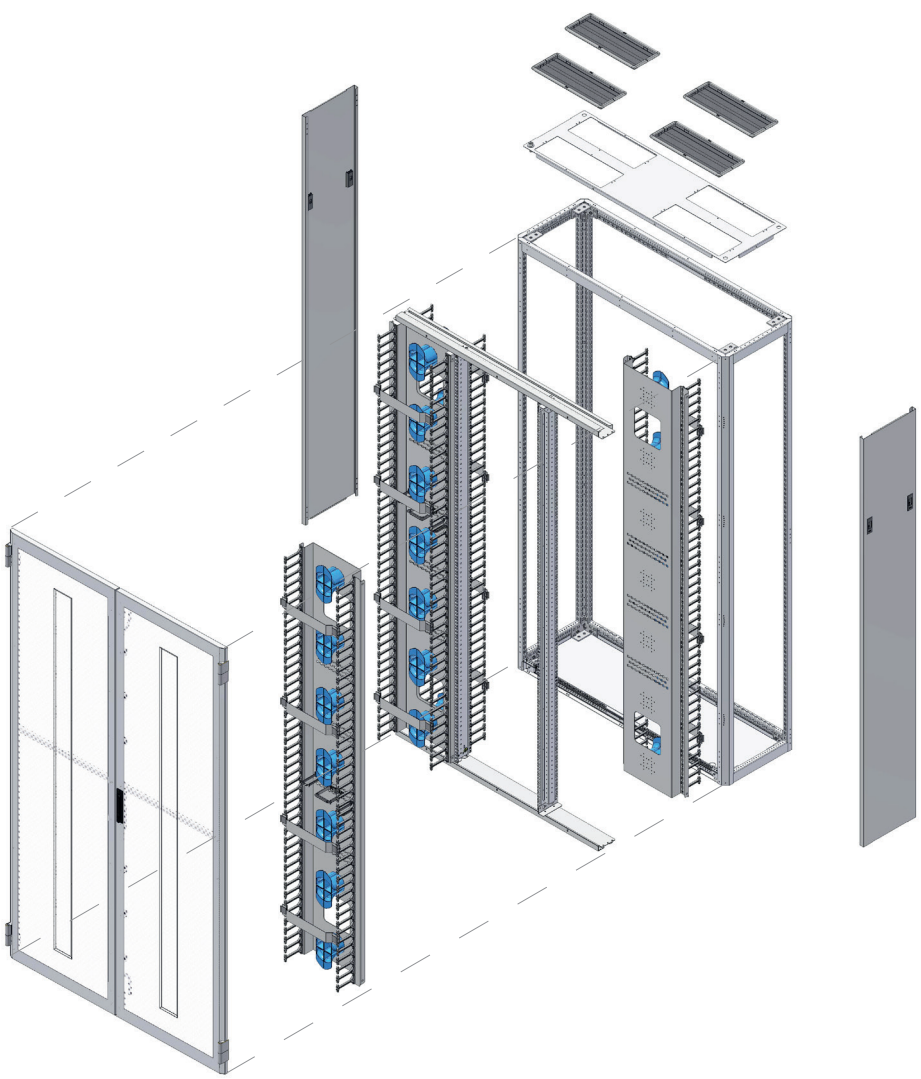
Sealed cable entry and exit details

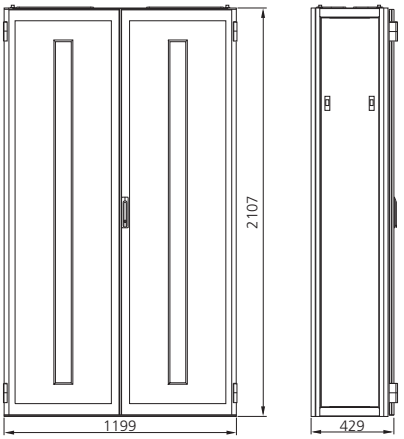
3U - IP55 - with split door

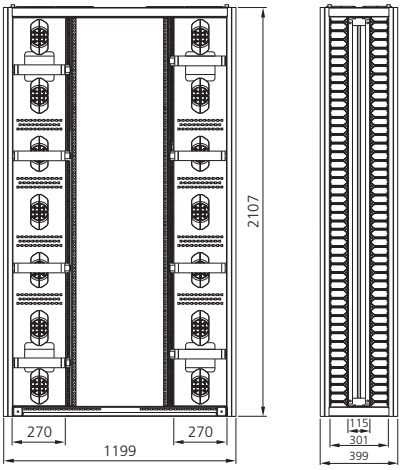


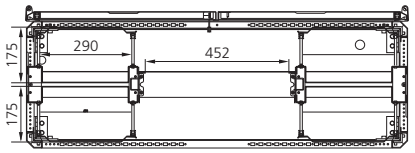


CUSTOM TELECOMMUNICATION CABINETS AND AISLE CONTAINMENT SOLUTIONS

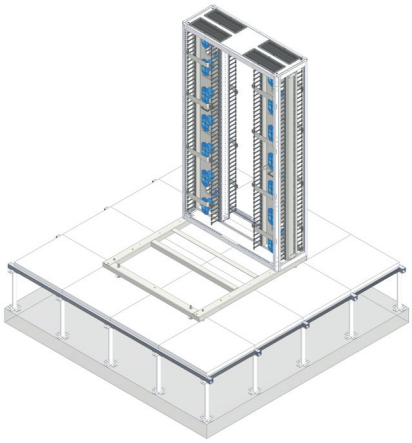


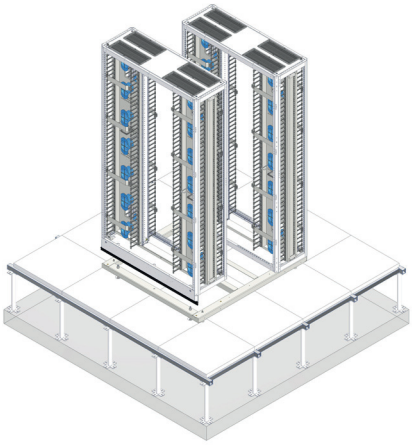


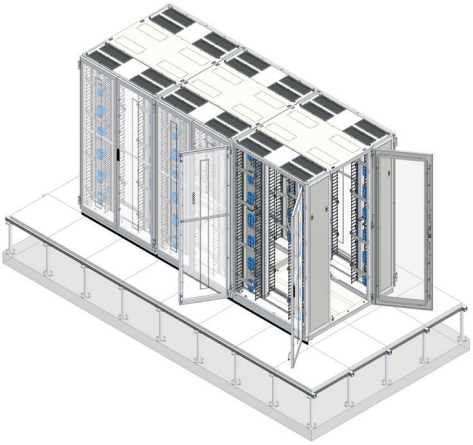




FRAME AISLE CONTAINMENT APPLICATION

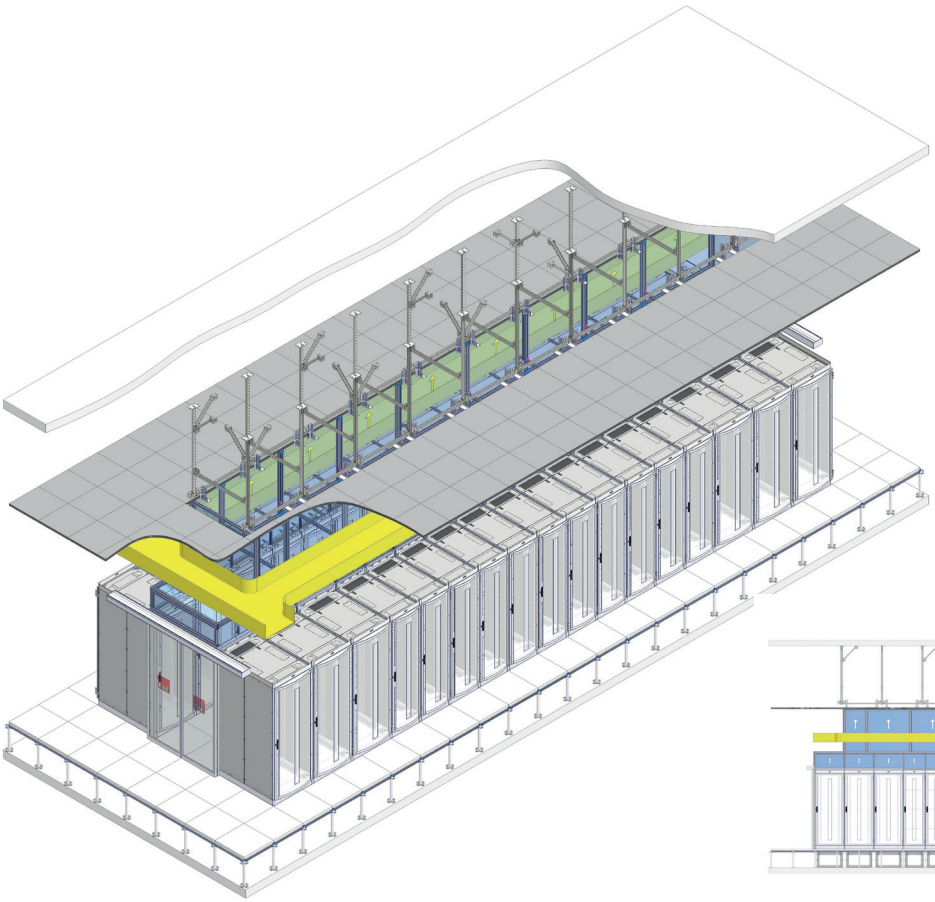


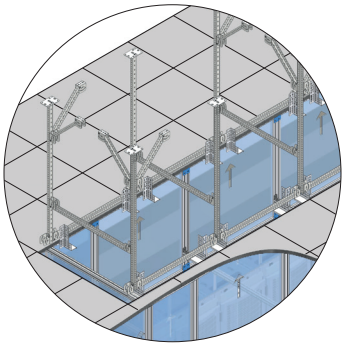




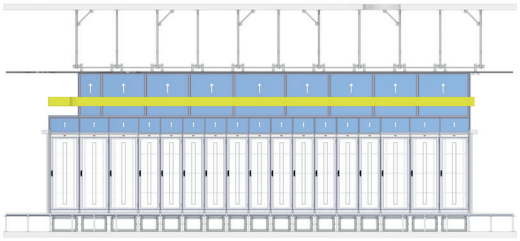
Engineering Services

HOT AISLE CONTAINMENT EXAMPLE

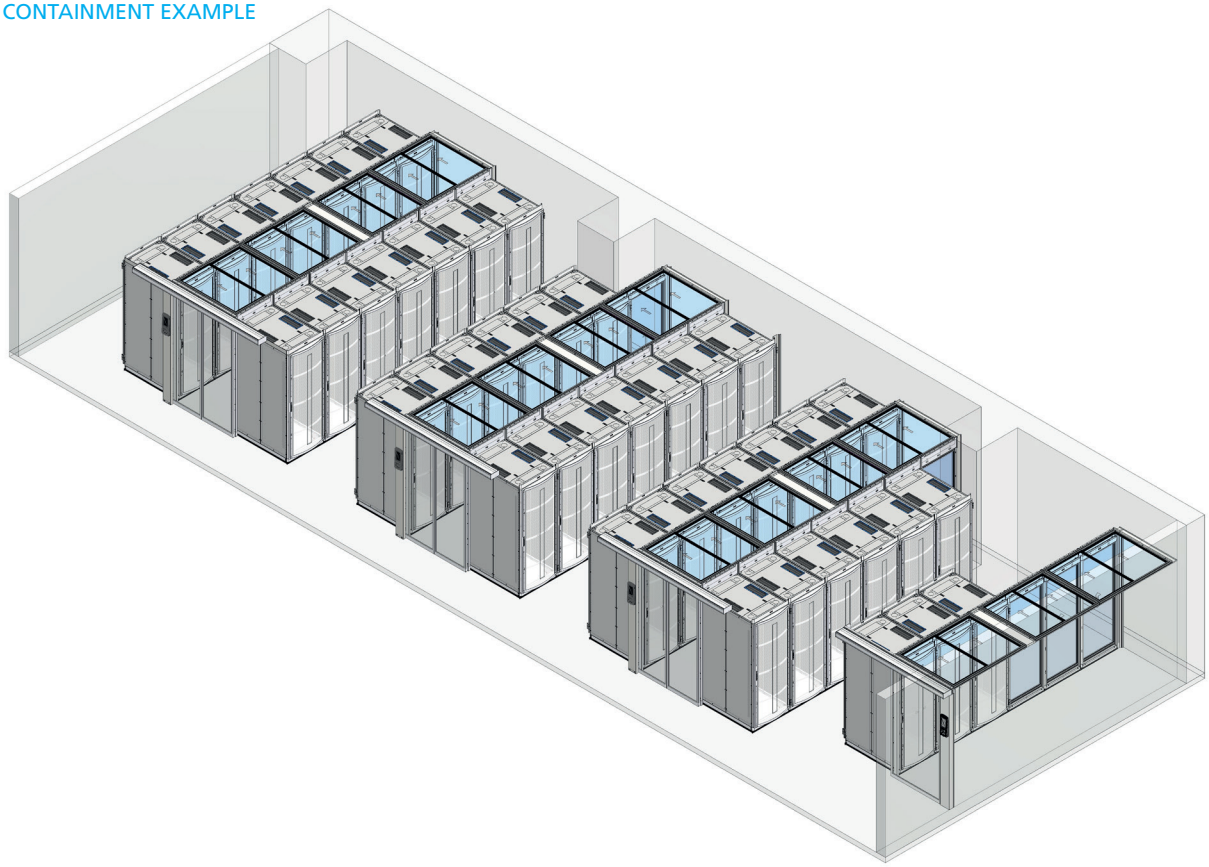




Seismic Support Design

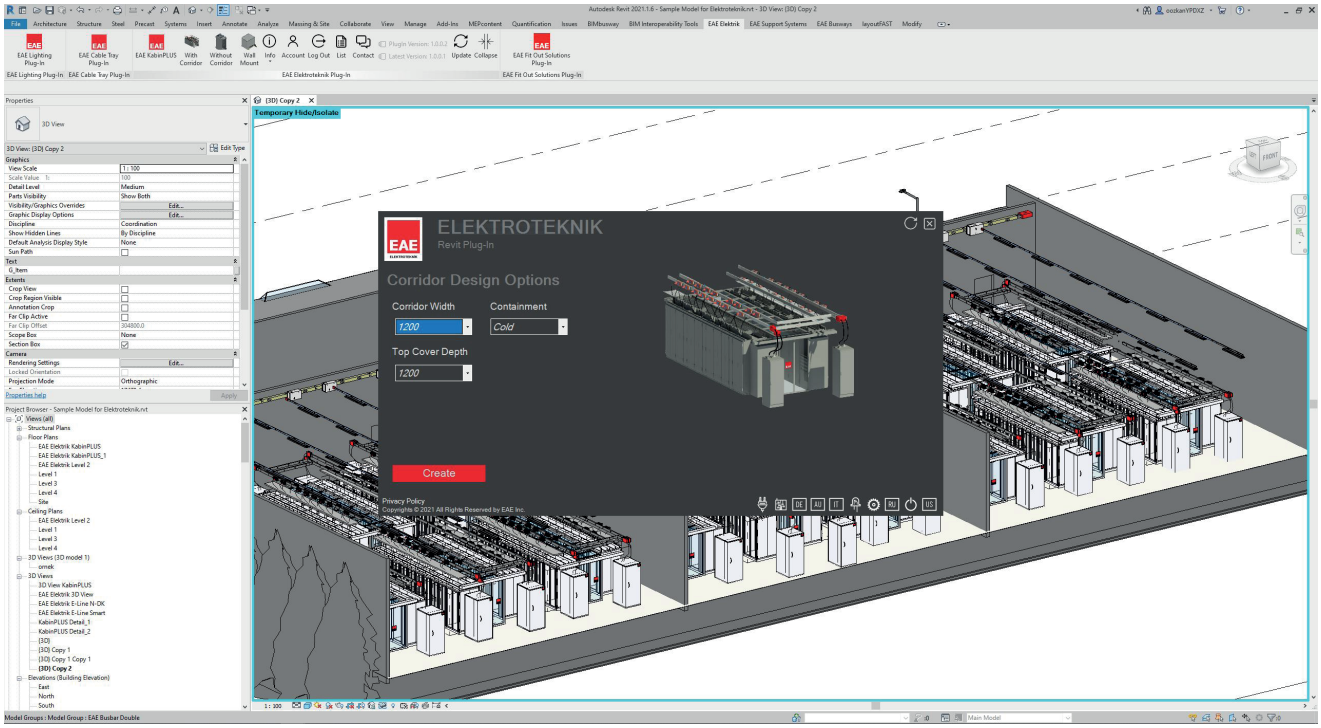


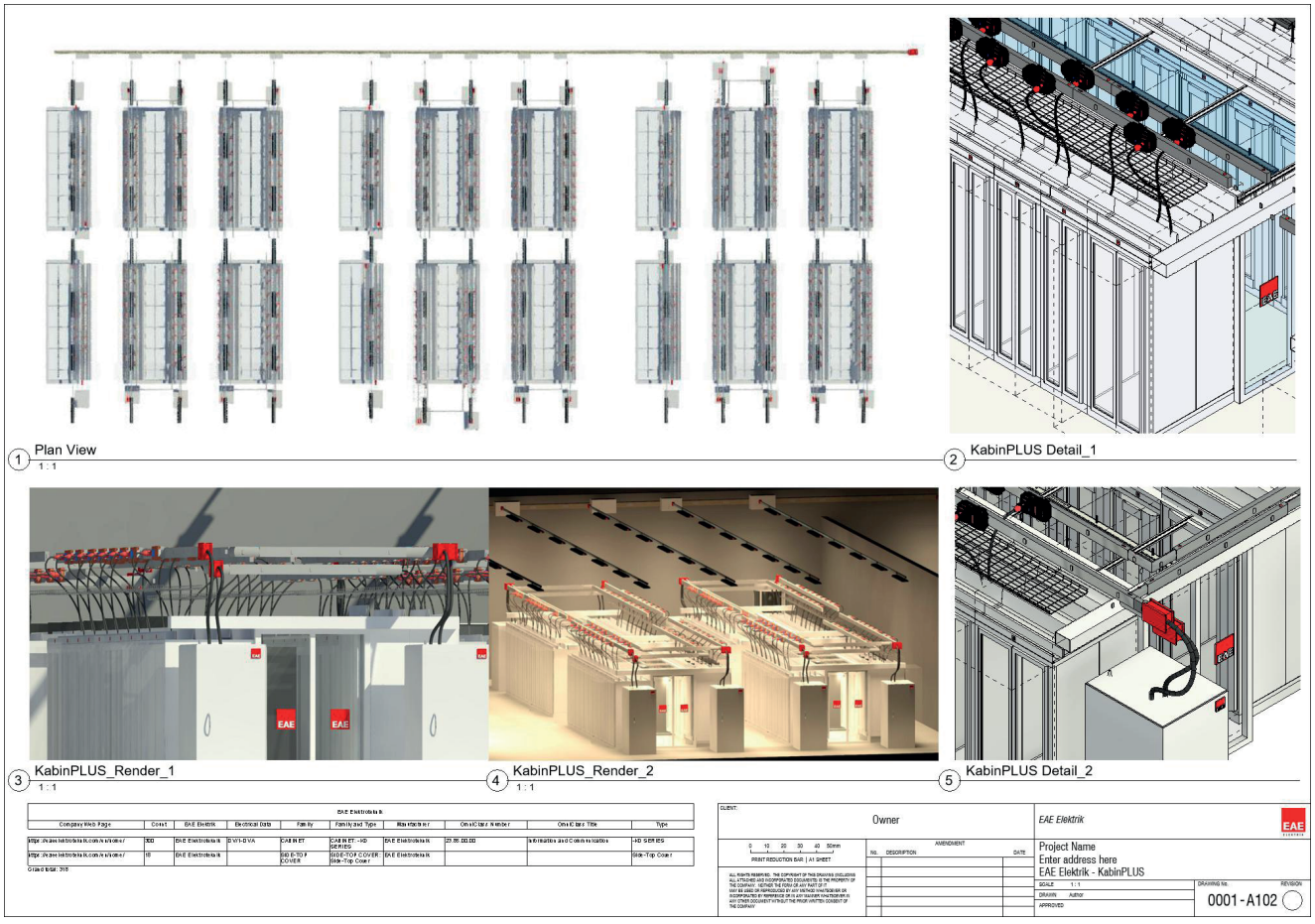
COLD AISLE CONTAINMENT EXAMPLE



EAE ELEKTROTEKNİK REVIT PLUG-IN

You can download from below link
https://eaeelektroteknik.com/en/support/bim-building-information-modeling/





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.



Access control unit at aisle door

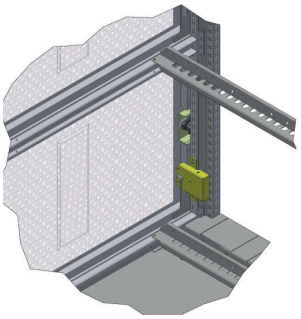
AISLE LEVEL ACCESS CONTROL

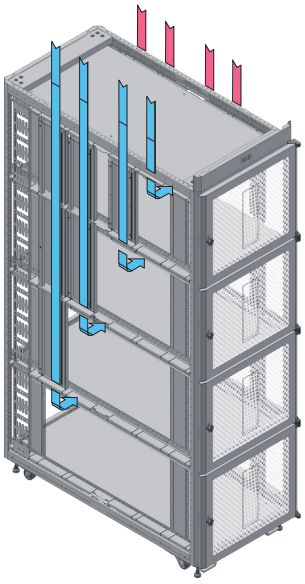
Especially in multi-tenant rooms, one more access control layer can be added at aisle entrance



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 cooporating with different access system specialist manufacturers to provide project-specific access solution.

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

● Orginal hardware and orginal software

○ 3rd party hardware and own software



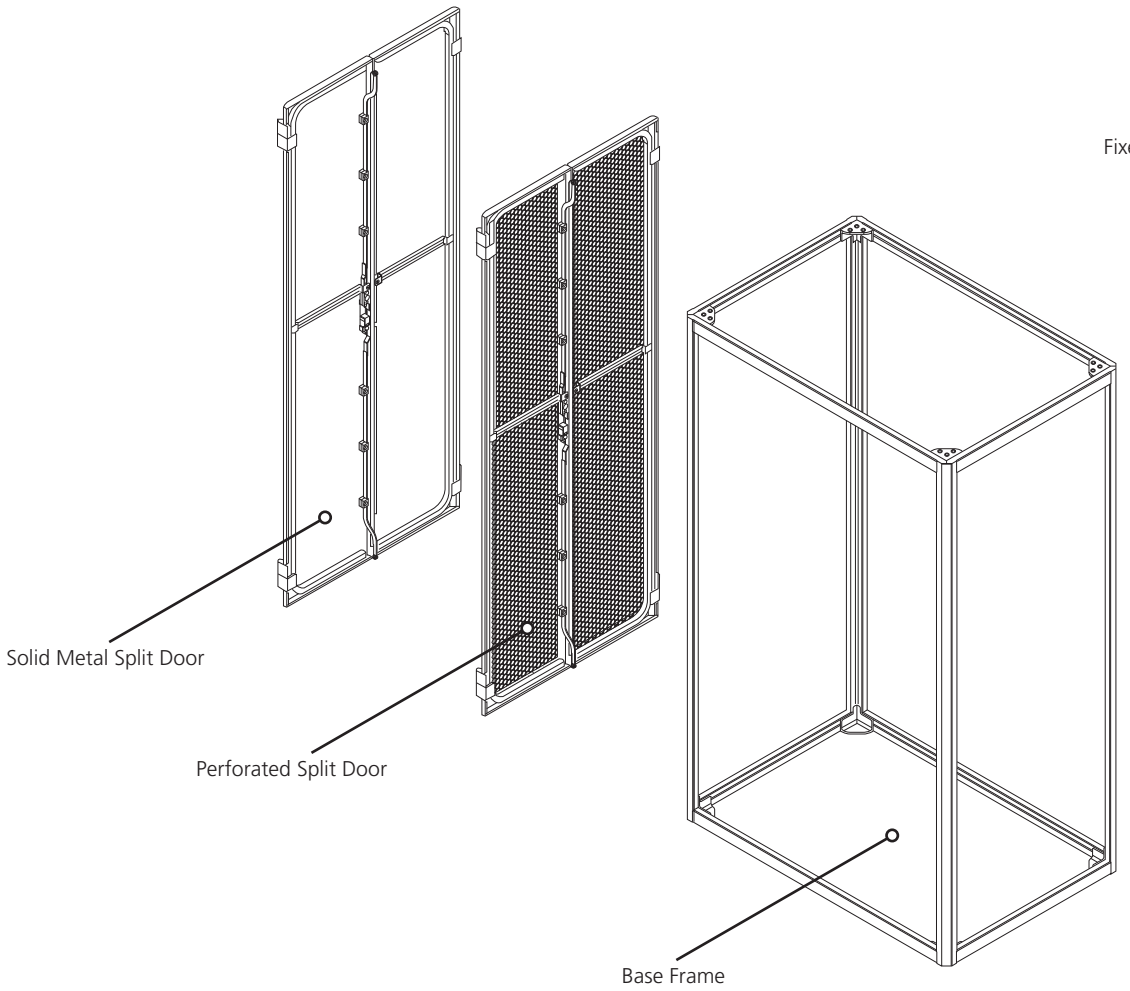


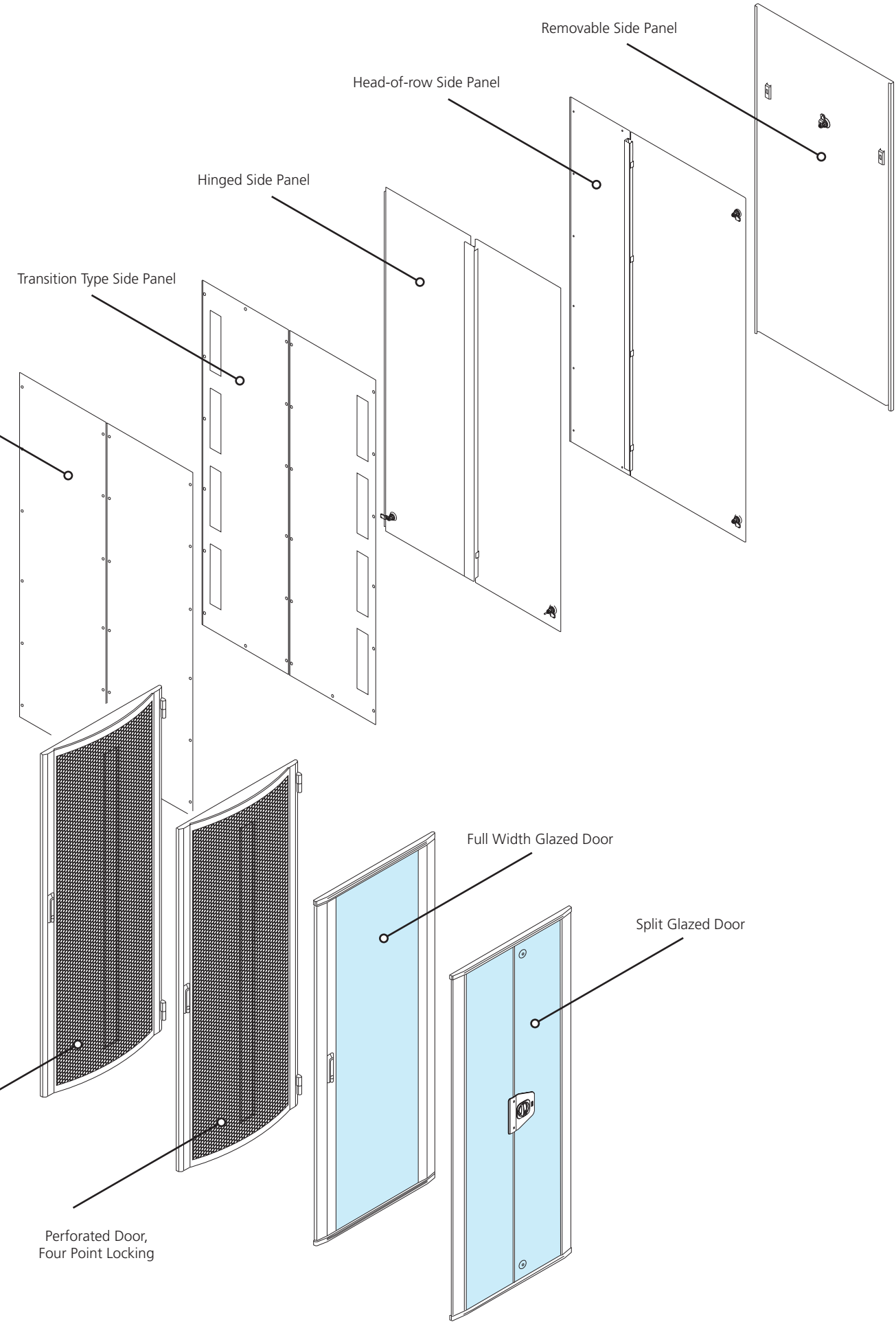
Electronic lock handles with keypad, card, finger print readers

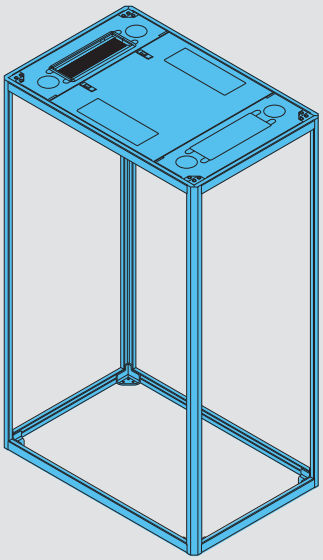


Face recognaiton, palm vein, iris and card readers

Door and Side Panel Options




Removable Side Panel
Head-of-row Side Panel
Hinged Side Panel
Transition Type Side Panel
Full Width Glazed Door
Split Glazed Door
Perforated Door,
Four Point Locking



KD BF

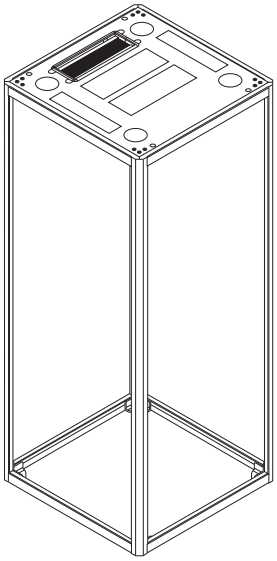
Base Framework

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

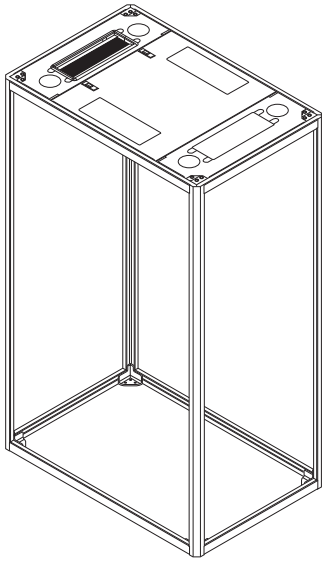
Material : Galvanized sheet metal
Finish : Painted
Standard Delivery : 1 pcs Base framework
1 pcs Brushed cable entry framework
1 pcs Fixing kit

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

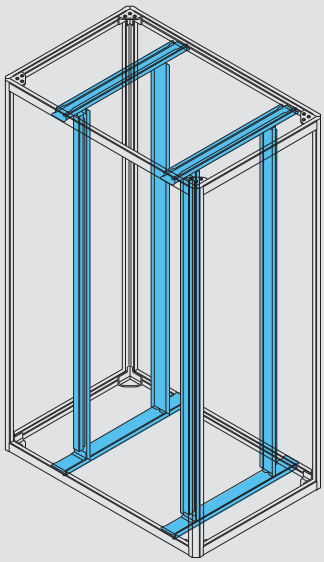
19 Inch Mounting Rail Sets

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

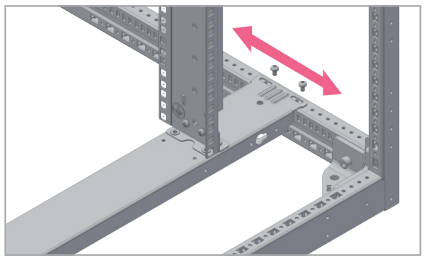
*HH: Height
*WW: Width
*CC: Color, BK: RAL 9005 Black; WH: RAL 9003 White
**CC: Please contact to sales for different color alternatives.
*** Please refer to page 110 for part number details

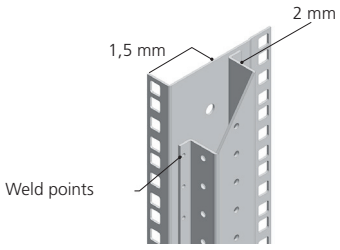


KP MS

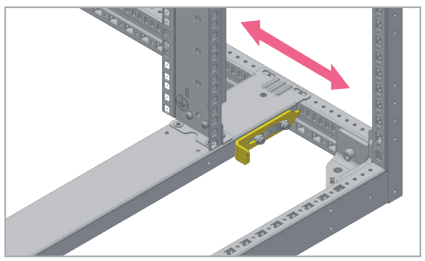


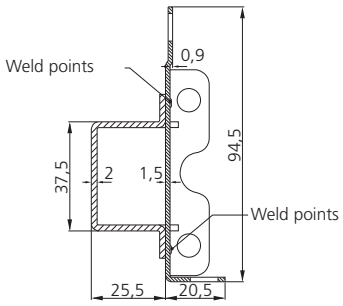
U marking for each height unit on both front and rear mounting rails, white marking on black rails and black marking on white rails.



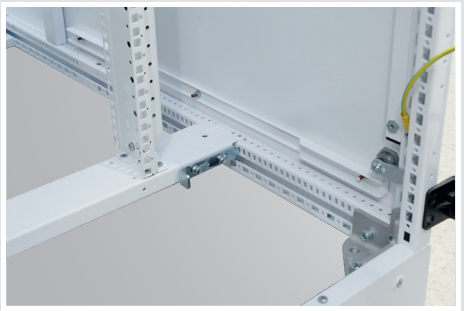


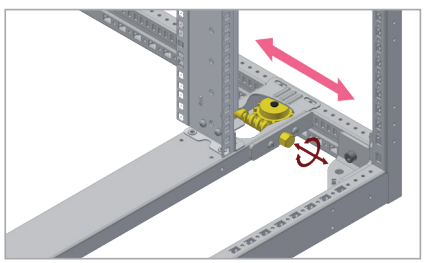
Standard type - Continuous, stepless adjustable.



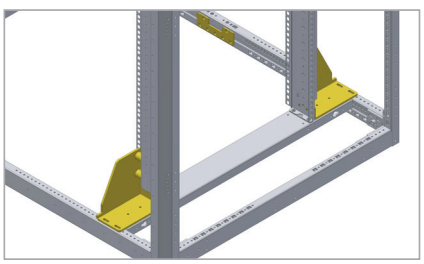


Slider type - Adjustable by 10mm steps



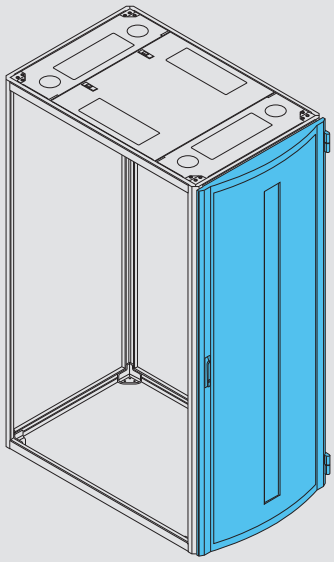


Mechanism type - Continuous, stepless adjustable, even when loaded



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





KP OK

Doors

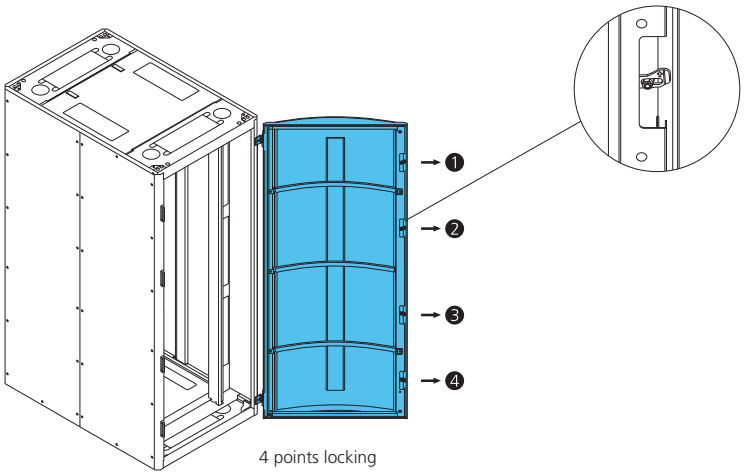
Perforeted doors provide maximum airflow with 85% perforation rate

- 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

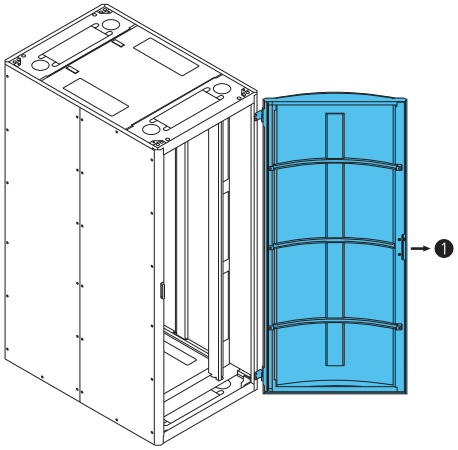
*HH: Height
*WW: Width
*CC: Color, BK: RAL 9005 Black; WH: RAL 9003 White
**CC: Please contact to sales for different color alternatives.
*** Please refer to page 110 for part number details



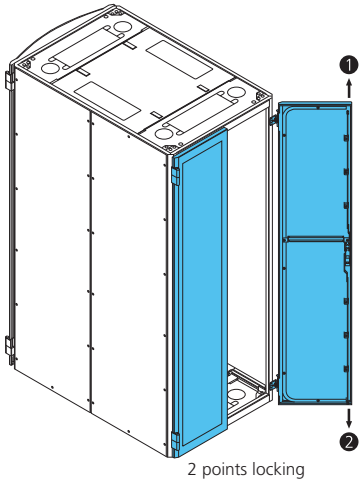
4 points locking



Perforated door



Single point locking



2 points locking

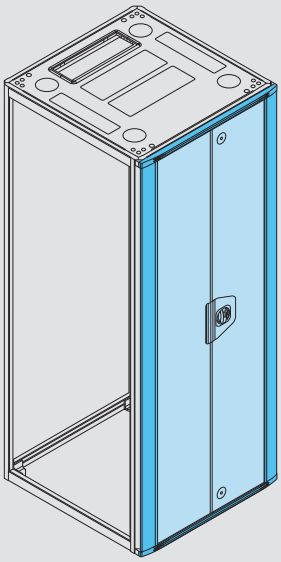
Solid metal doors are designed as split type and for use at the rear side of the cabinet.

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

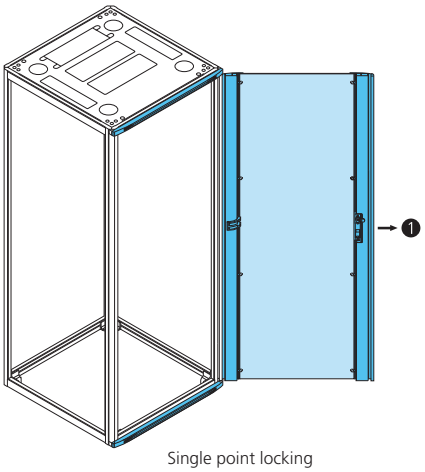
Material : Tempered glass (4 mm)
Aluminum profiles
Standard Delivery : 1 pcs glazed or metal door (attached to the cabinet)
1 pcs fixing kit

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

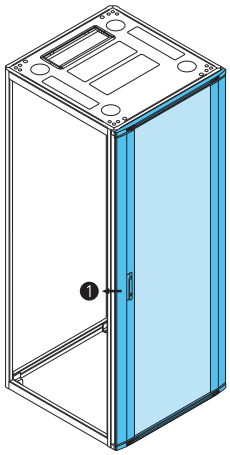
*HH: Height
*WW: Width
*CC: Color, BK: RAL 9005 Black; WH: RAL 9003 White
**CC: Please contact to sales for different color alternatives.
*** Please refer to page 110 for part number details



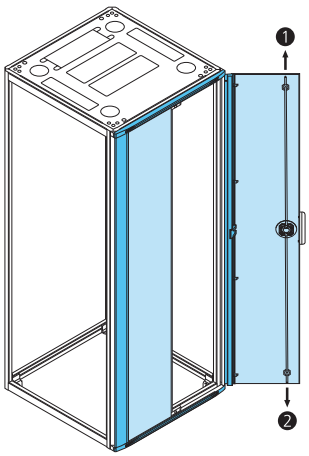
KP OK G



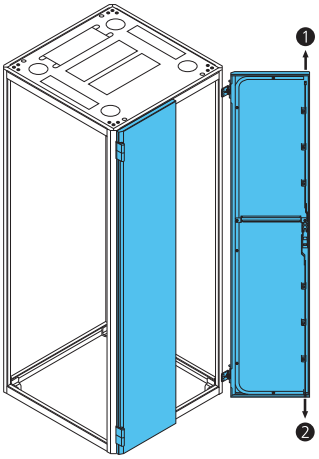
Single point locking



Single point locking



2 points locking

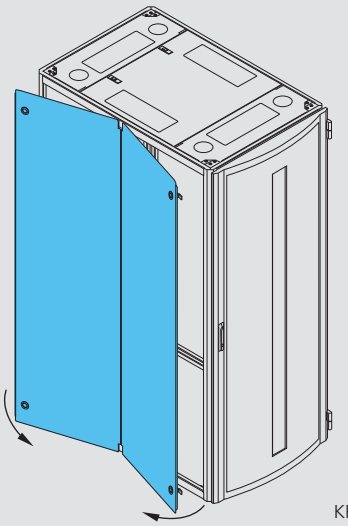


2 points locking



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, Veritcally 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, Veritcally Divided	42U, 47U	1000, 1100, 1200

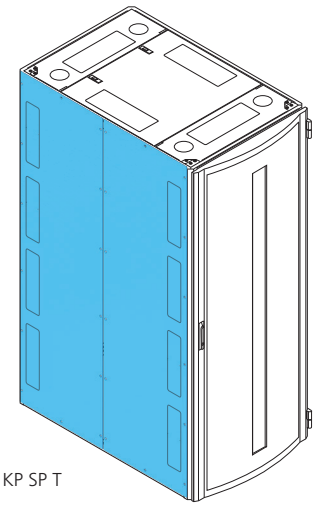
*HH: Height
*DD: Depth
*CC: Color, BK: RAL 9005 Black; WH: RAL 9003 White
**CC: Please contact to sales for different color alternatives.
*** Please refer to page 110 for part number details



Hinged side panel

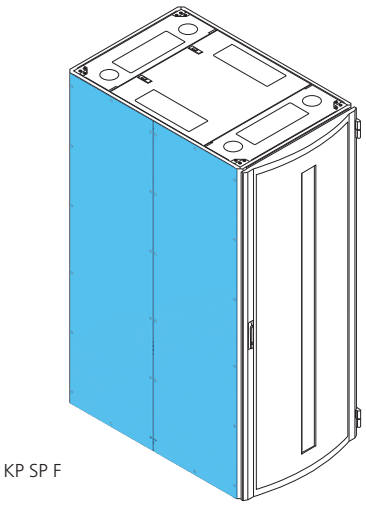
Fixed Side Panel

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



KP SP T

Side panel with transitions



KP SP F

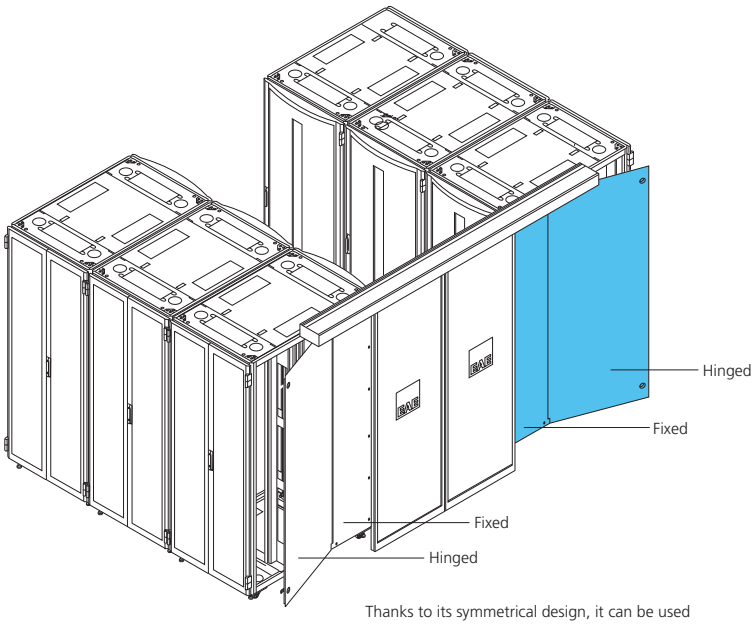
Fixed side panel

Side Panel With Transitions

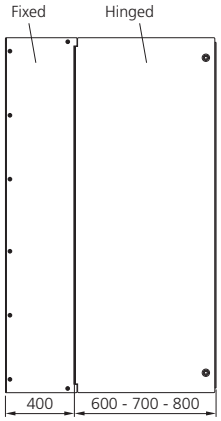
- Cable entry openings in transition type side panels can be broken if desired and cable pass-through accessories can be installed there.
- Thanks to their symmetrical design, the side cable-through openings of neighboring cabinets meet each other.

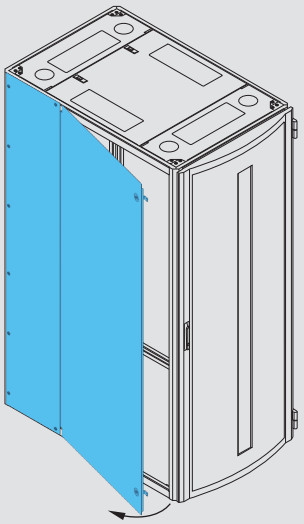
Head-of-row Side Panel

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.





KP SP C

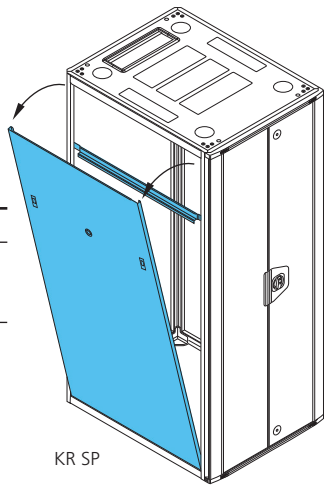
Removable Side Panel

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



KR SP

Removable side panel

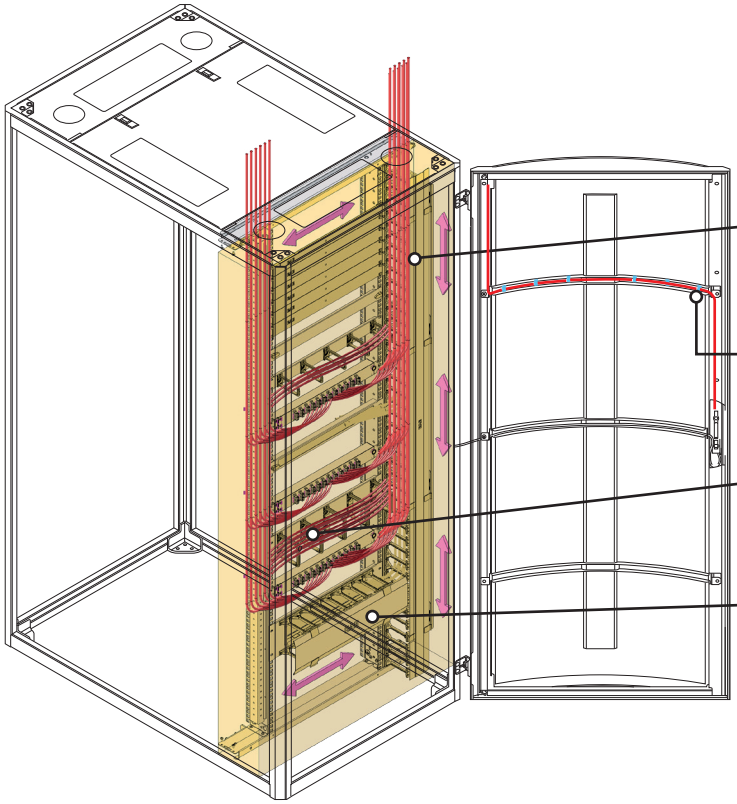


Head-of-row side panel

Accessories

Cable Management

Front Zone



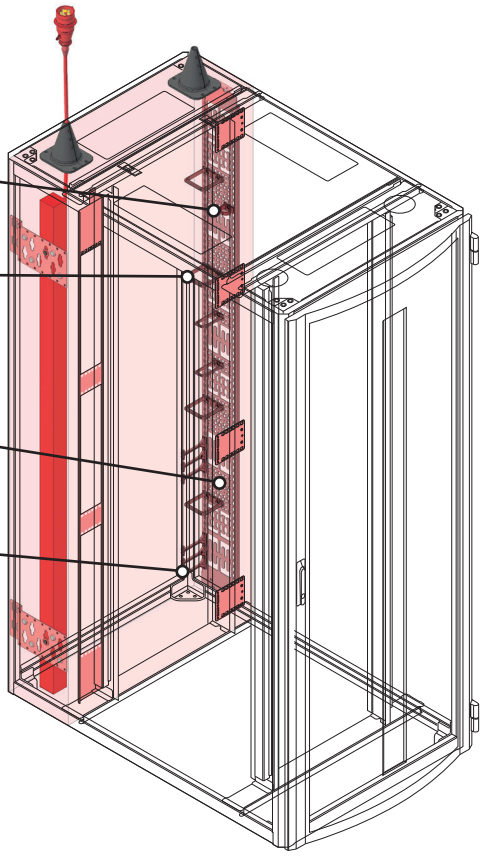
Vertical cable manager - KPCV- Page 52

Cable clip - KPCC - Page 61

Horizontal cable manager with ring - KPCP - Page 54

Horizontal cable manager with cover - KPCH - Page 53

Rear Zone



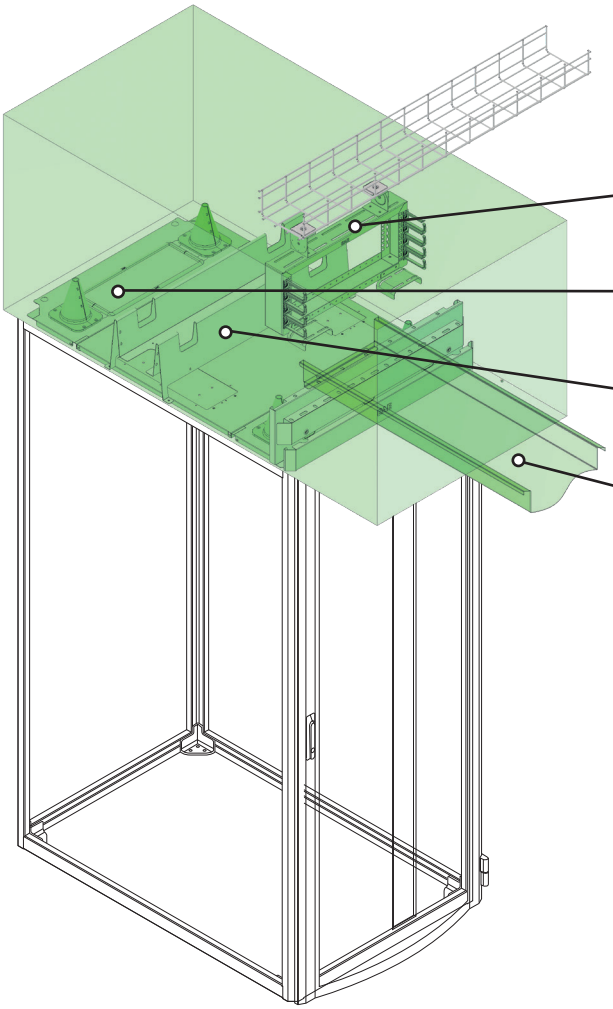
Cable clamp - KPCC - Page 59

Cable ring - KPCR - Page 59

Vertical cable trough - KPCT - Page 55

3U Finger type cable manager- KPCR - Page 58

Top Zone



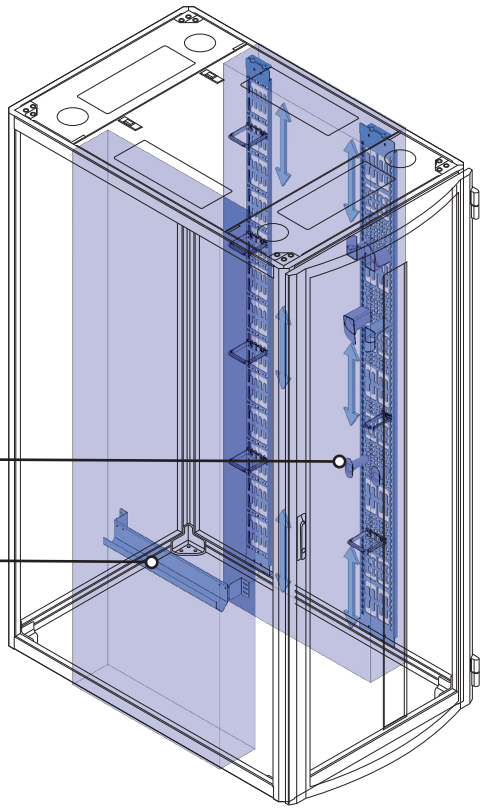
Overhead rack- KPCZ - Page 65

Cable entry accessory - KPCO - Page 62

Cabinet top cable managers KPCA / KPCM - Page 63

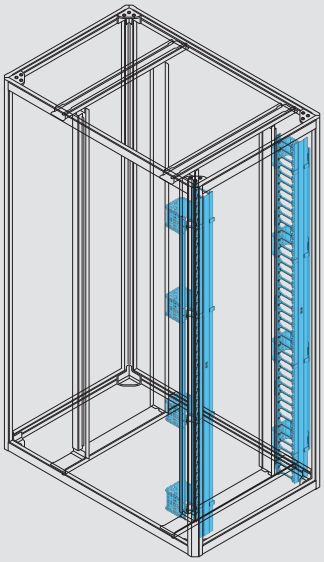
Aisle containment - Cross channel KCCT - Page 64

Side Zone



Cable spool- KPCS - Page 58

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



KP CV

Vertical Cable Manager

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

- Applicable with air dam kit

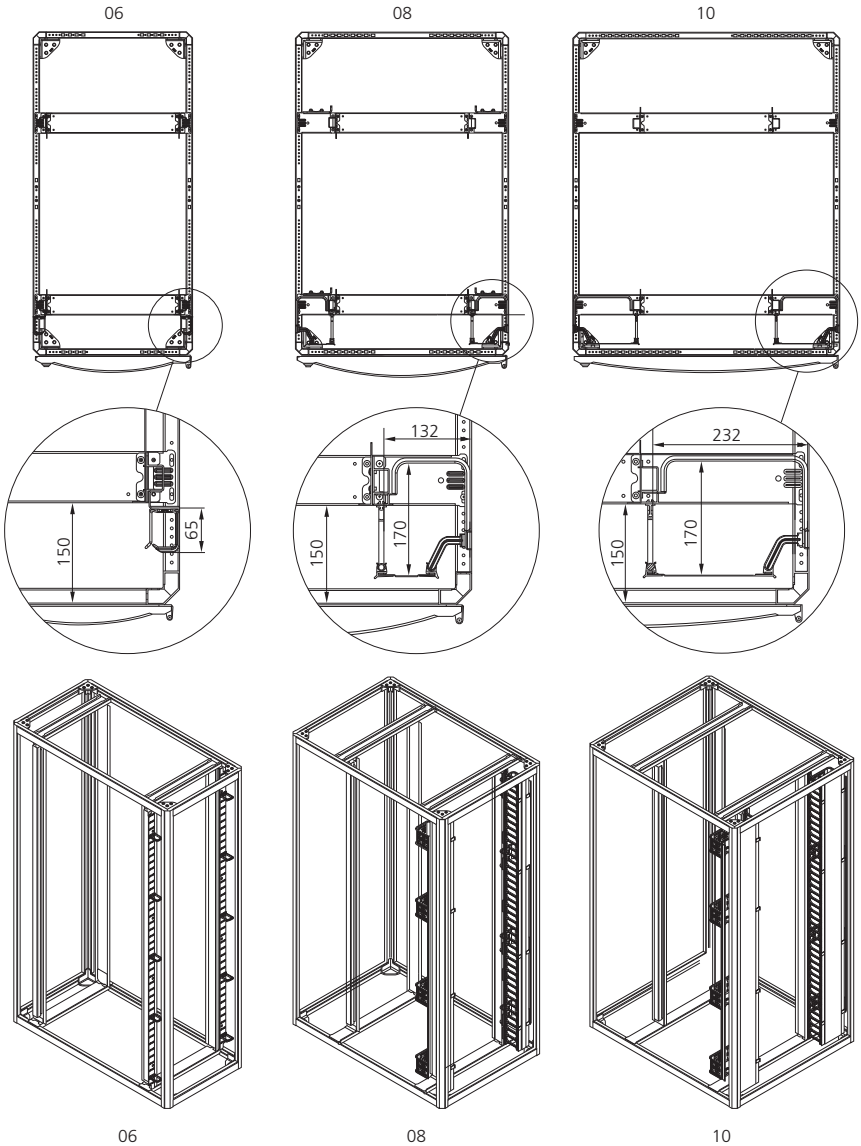
Material : Galvanized sheet metal, poliamid
Finish : Painted
Standard Delivery : 2 pcs veritacal cable manager
1 pcs fixing kit
2 pcs cover

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



06 08 10

Horizontal Cable Manager With Cover

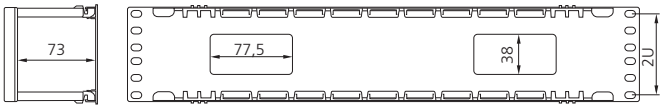
Horizontal cable manager with cover can be used to organize cables horizontally.

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

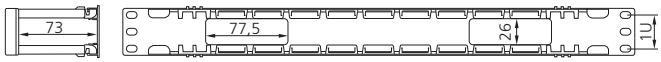
Material : Halogen-free plastic
Standard Delivery : 1 pcs Horizontal cable manager with cover
1 pcs Fixing kit

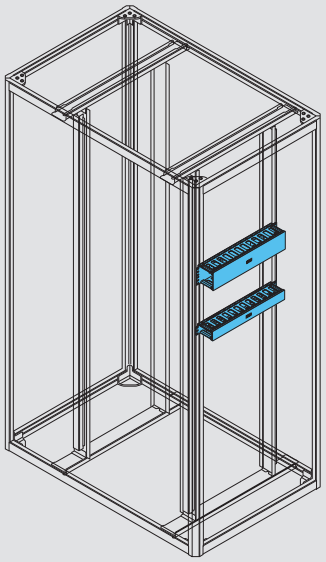
Part No	Description	Height (mm)	Depth (mm)
KP CH 1U P BK	Horizontal Cable Manager With Cover 1U, Plastic	1U	73
KP CH 2U P BK	Horizontal Cable Manager With Cover 2U, Plastic	2U	73

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



Interior view





KP CH



Horizontal cable manager with cover

Horizontal Cable Manager With Metal Cover

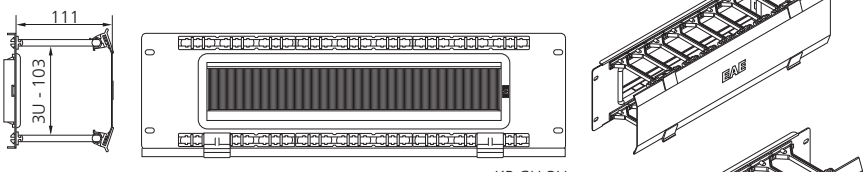
To organize cables at U height horizontally.

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

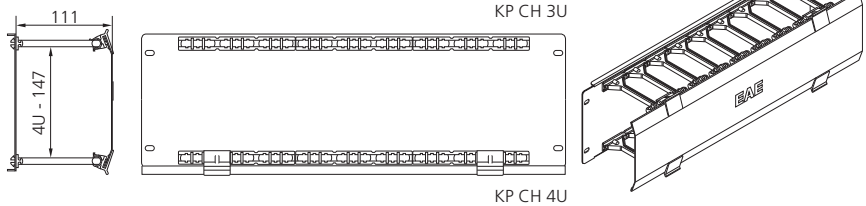
Material : Galvanized sheet metal, UL94V0 Halogen-Free (fingers)
Finish : Painted
Standard Delivery : 1 pcs horizontal cable manager
1 pcs cover
1 pcs brushed cable entry module
1 pcs fixing kit

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

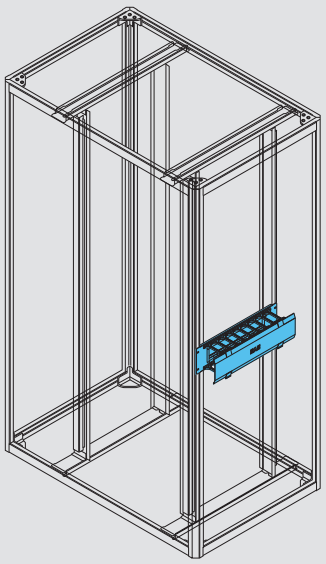
*HH: Height
*CC: Color, BK: RAL 9005 Black; WH: RAL 9003 White
**CC: Please contact to sales for different color alternatives..
*** Please refer to page 110 for part number details



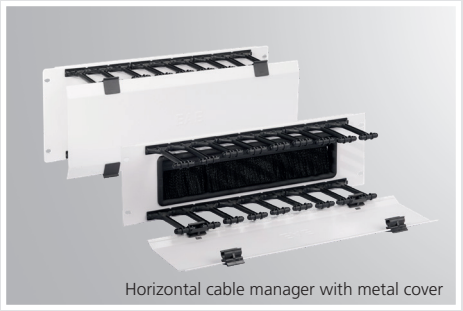
KP CH 3U



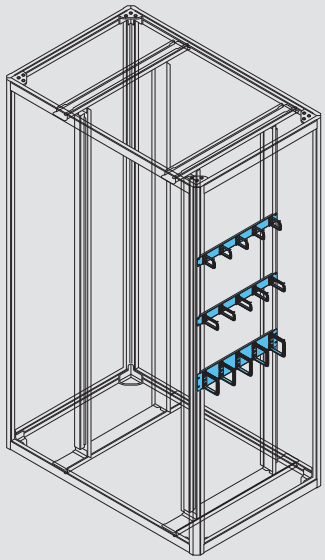
KP CH 4U



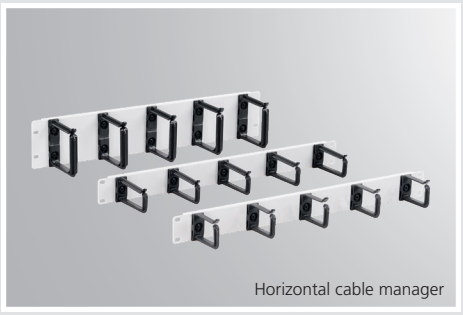
KP CH



Horizontal cable manager with metal cover



KP CP



Horizontal cable manager

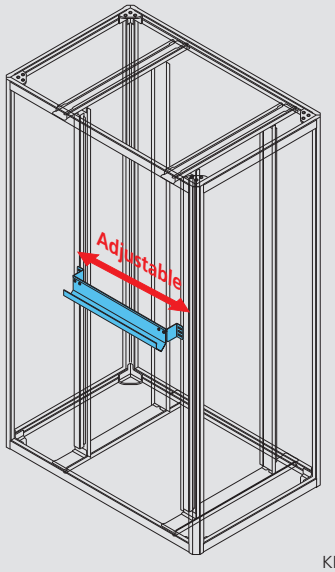
Horizontal Cable Manager

Horizontal cable manager can be used to organize cables horizontally.

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



KP CD 08



Front-to-rear cable duct

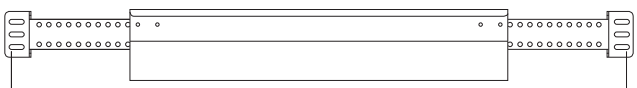
Front-to-rear Cable Duct

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.

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

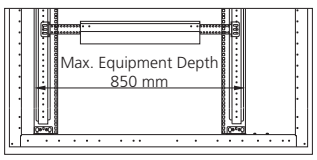




for 800 mm width



for 600 mm width



Vertical Cable Trough

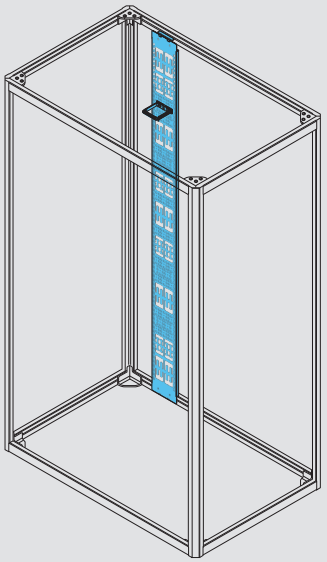
Vertical cable trough can be used to organize cables at the rear or at sides of the cabinet.

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

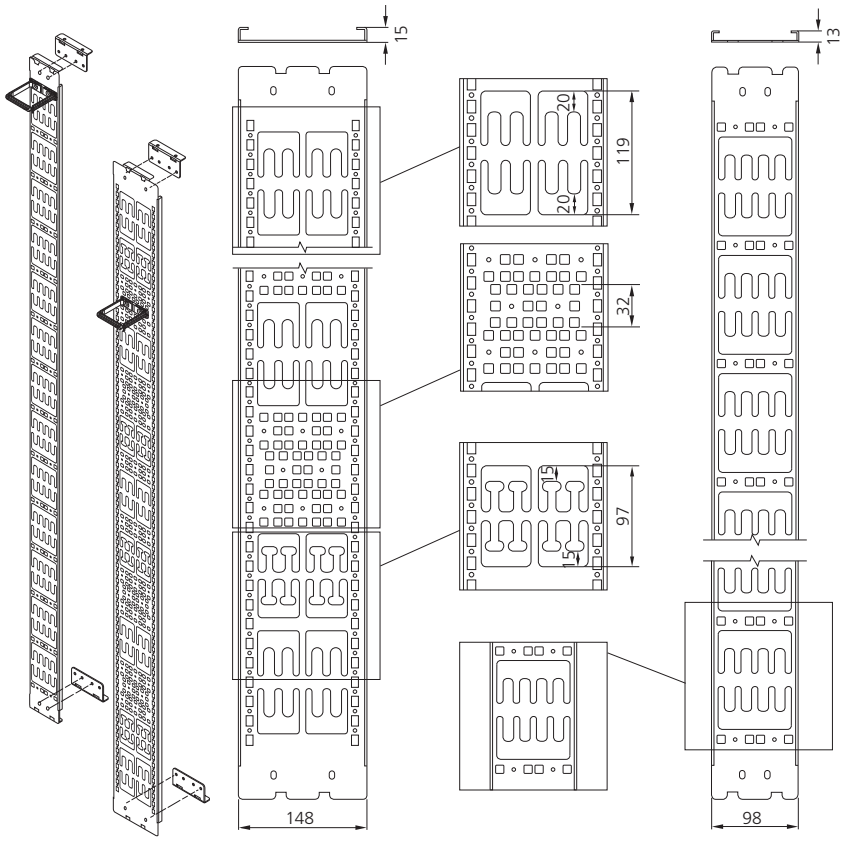
Material : Galvanized sheet metal, halogen-free (cable ring)
Finish : Painted
Standard Delivery : 1 pcs Vertical cable trough
1 pcs Cable ring - 2U 90 mm
1 pcs Fixing set

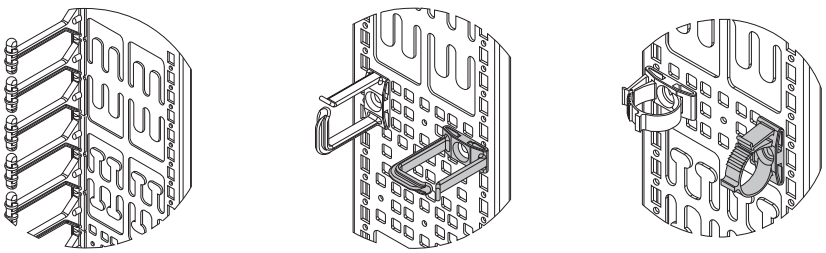
Part No	Description	Heigth (mm)	Width (mm)
KP CT HH WW CC	Vertical Cable Trough, Metal	42U / 47U	100 / 150
KR CT HH WW CC	Vertical Cable Trough, Metal	26U / 36U / 42U	100 / 150

*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

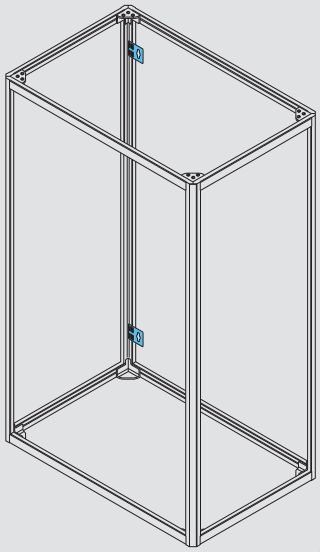




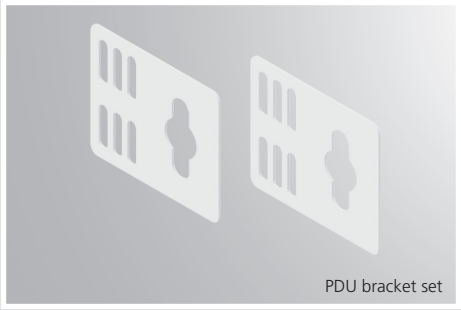


Vertical cable trough

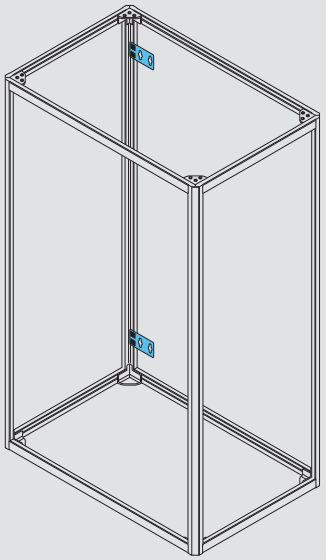
For a variety of cable management options that can be fitted, refer to page 58-59



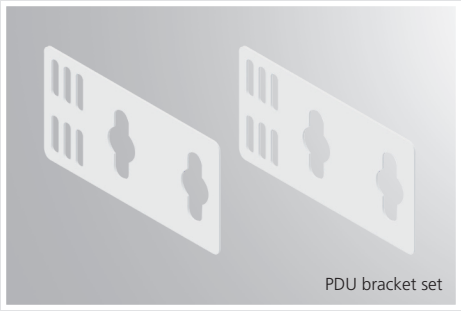
KP PB 01



PDU bracket set



KP PB 02



PDU bracket set

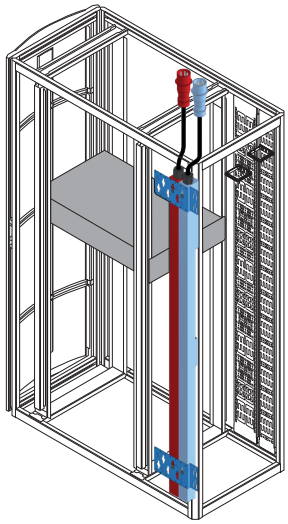
PDU Bracket Set

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

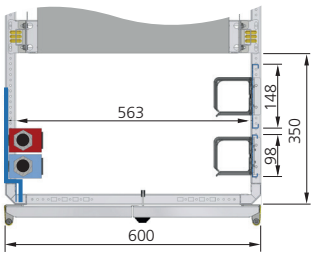
Material	: Galvanized sheet metal
Finish	: Painted
Standard Delivery	: 2 pcs PDU bracket 1 pcs Fixing kit

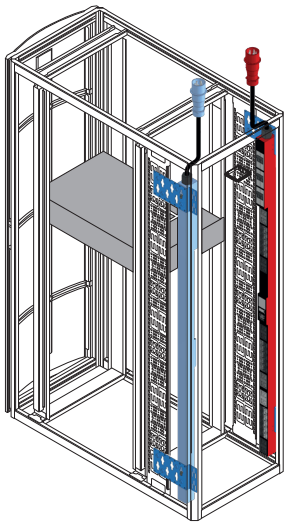
Part No	Description
KP PB 01 CC	PDU Bracket Set, Type 01
KP PB 02 CC	PDU Bracket Set, Type 02
KP PB 03 CC	PDU Bracket Set, Type 03
KP PB 04 CC	PDU Bracket Set, Type 04 - for fixing on 19 inch mounting rail

*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

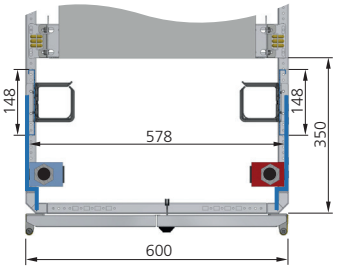


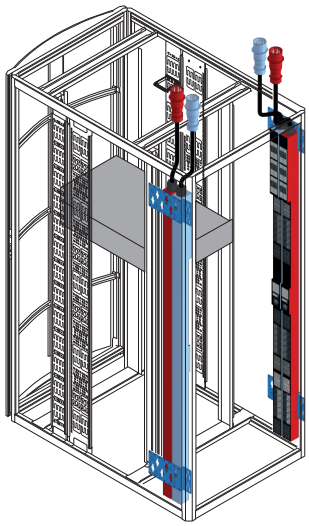
A 1200 mm deep - 600 mm wide, two PDUs mounted side by side, cable troughs at opposing side



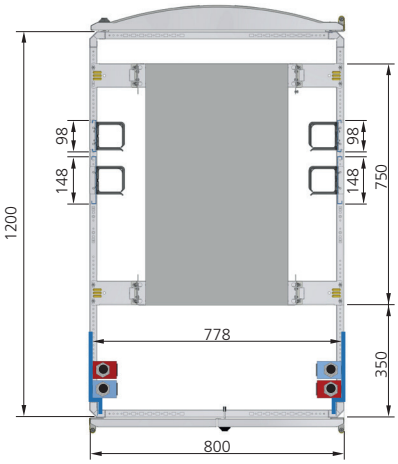


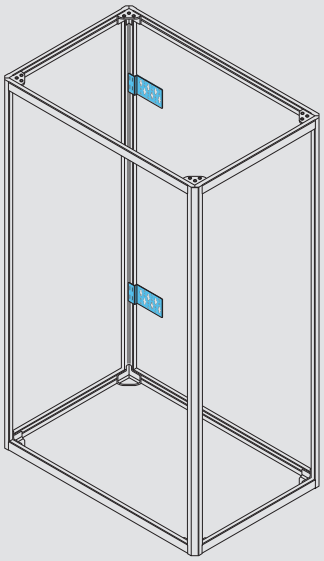
B 1200 mm deep - 600 mm wide, PDUs are fixed at opposing sides, cable troughs are fixed near each PDU



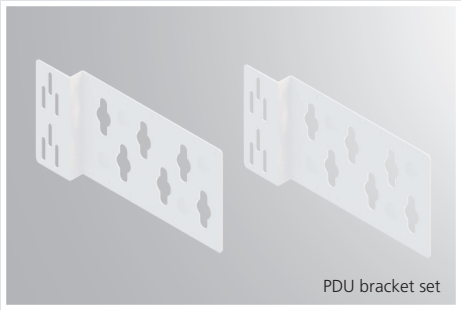


C 1200 mm deep - 800 mm wide, cable troughs at sides

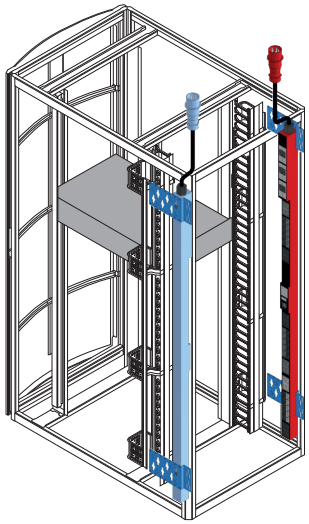




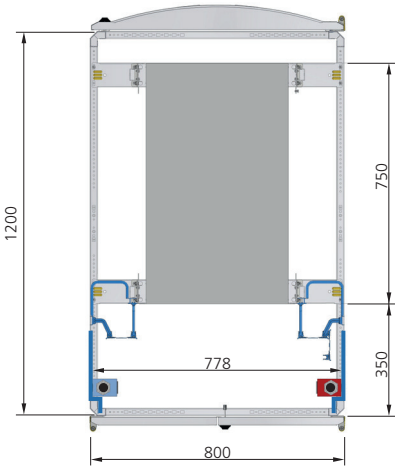
KP PB 03

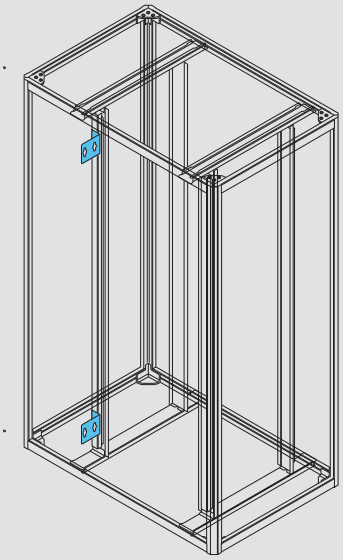


PDU bracket set

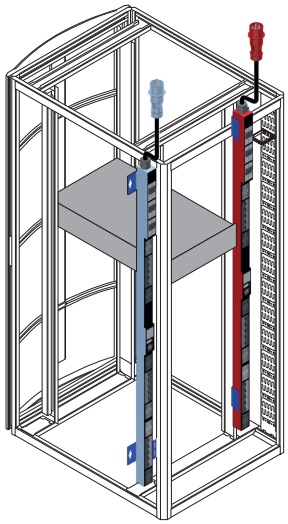


D 1200 mm deep - 800 mm wide, vertical cable managers at sides

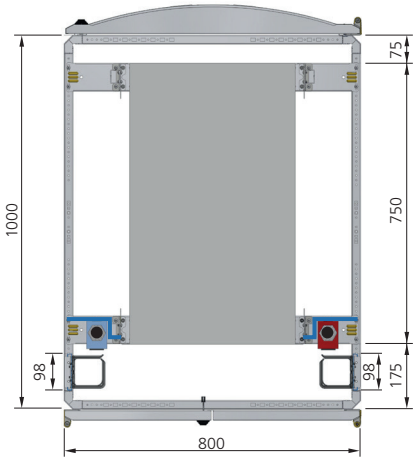


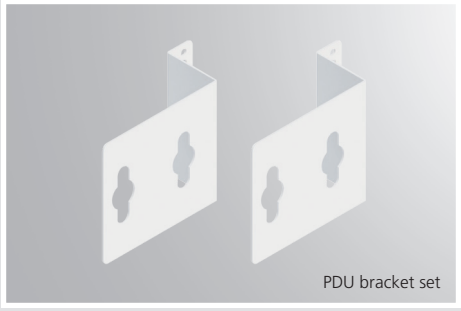


KP PB 04

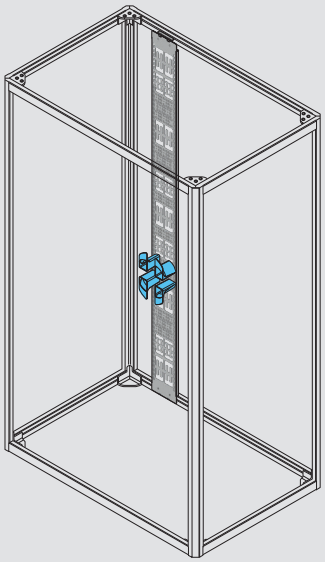


E 1000 mm deep - 800 mm wide, PDUs near 19 inch rails, with cable trough

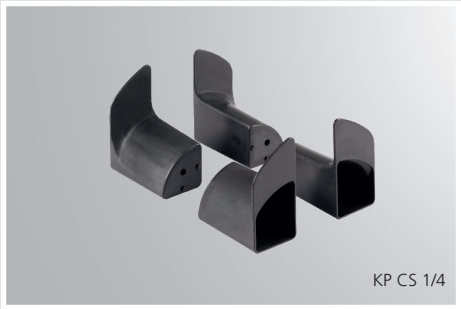




PDU bracket set



KP CS 1/4



KP CS 1/4



KP CS 50/75



KP CR 3U

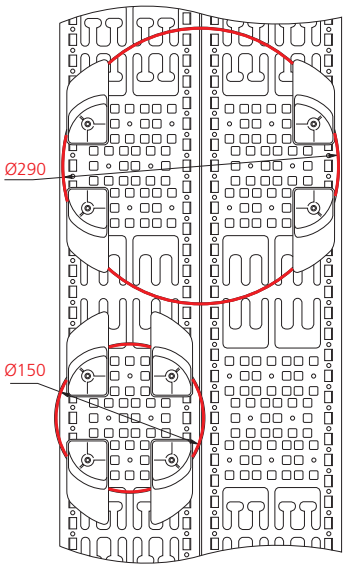
Cable Management Units

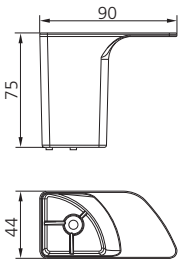
Cable management units are used for the orderly routing of cables entering the cabinet.

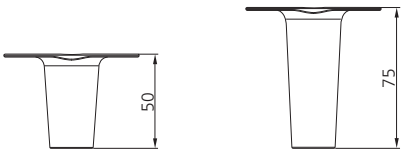
Material : Halogen-free / plastic
Standard Delivery : Cable Management Units
1 pcs Fixing kit

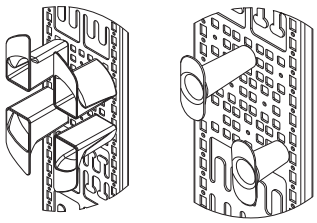
Part No	Description
KP CS 1/4	Cable Spool, 1/4 Type, 4 pcs.
KP CS 50	Cable Spool, Short, 50 mm Type, 5 pcs.
KP CS 75	Cable Spool, Tall, 75 mm Type, 5 pcs.
KP CR 3U	3U Finger Type Cable Manager, 5 pcs.

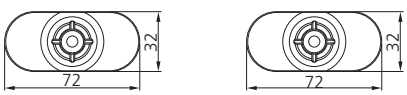
*** Please refer to page 110 for part number details

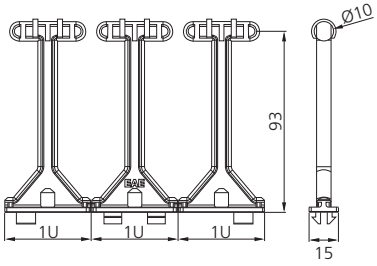


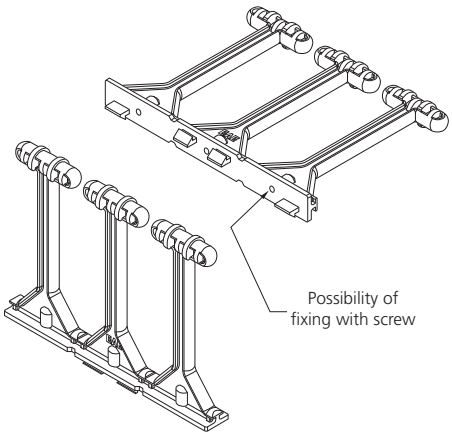












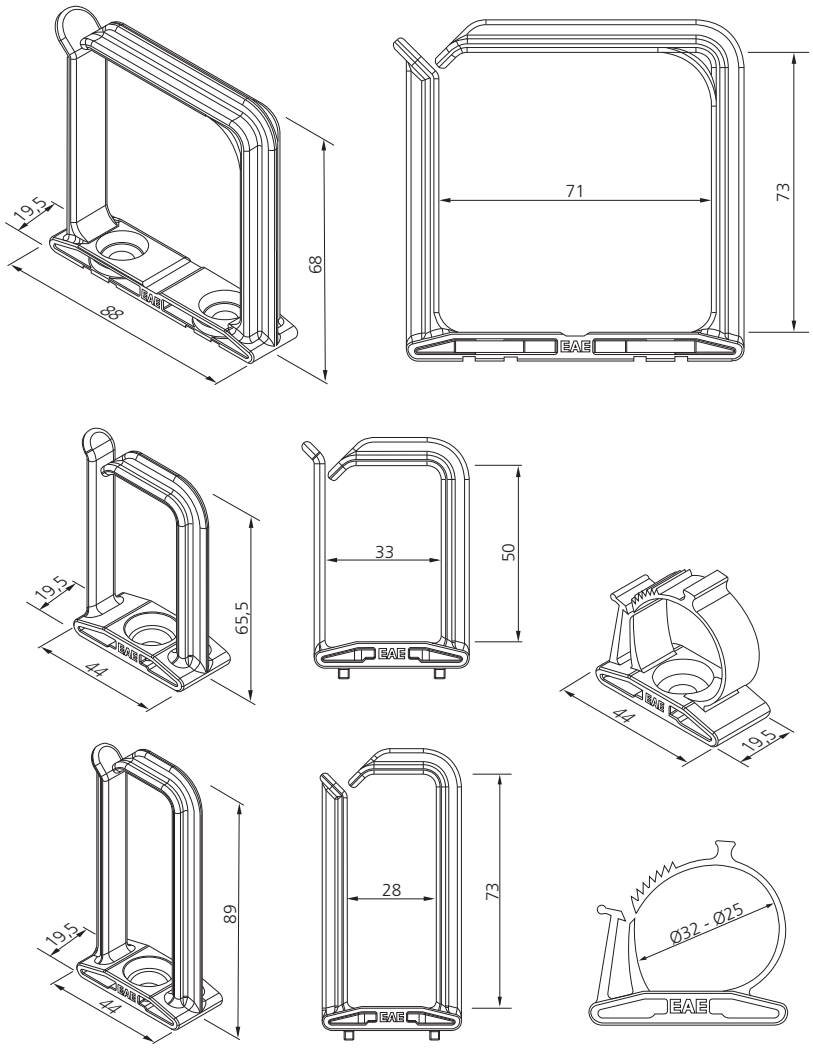
Cable Rings

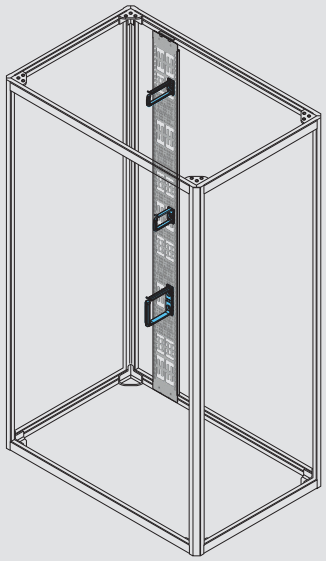
Cable rings can be used to organise cables at different points in the cabinet.

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



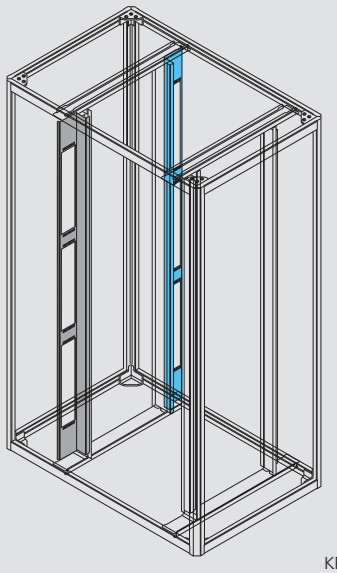
Cable ring - 1U90



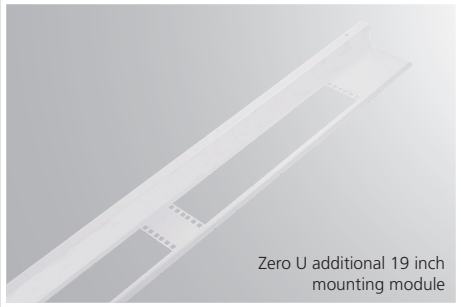
Cable ring - 2U90



Cable clamp - CC01



KP CB 08



Zero U Additional 19 Inch Mounting Module

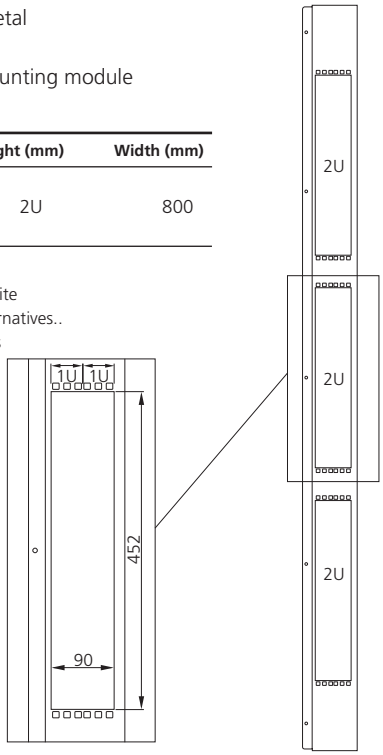
Zero U additional 19 inch mounting module can be used for equipment mounting vertically near mounting rails.

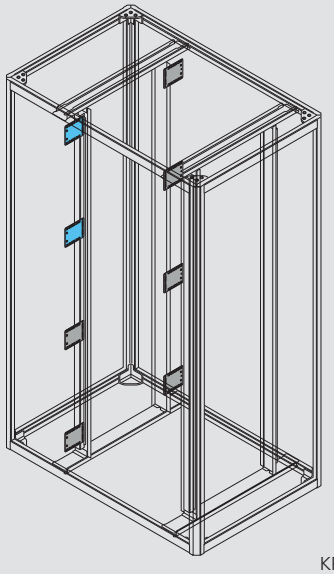
- Up to 6U equipment can be mounted

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

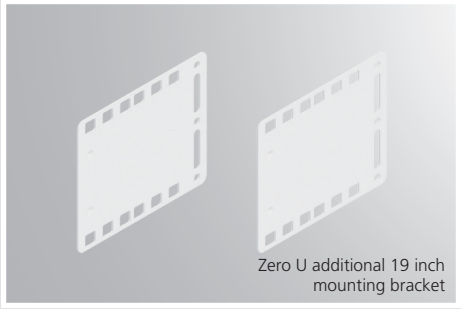
Part No	Description	Height (mm)	Width (mm)
KP ZU HH 08 CC	Zero U Additional 19 inch Mounting Module	2U	800

*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 ZU 01



Zero U Additional 19 Inch Mounting Bracket

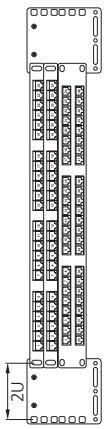
Zero U additional 19 inch mounting bracket can be used for individual equipment mounting vertically near mounting rails.

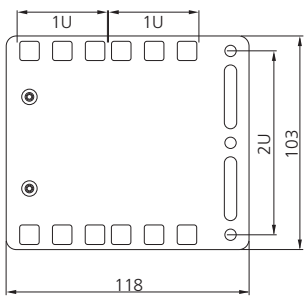
- Up to 2U equipment can be

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





Cable Clip

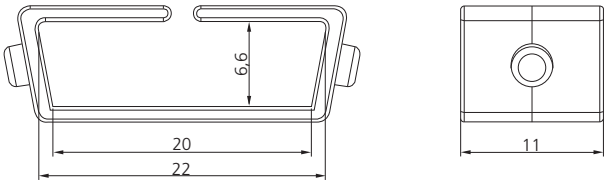
Cable clips are used to organise cables which are to be routed on perforated doors. They are designed to be fixed inside steel stiffening channels of perforated doors.

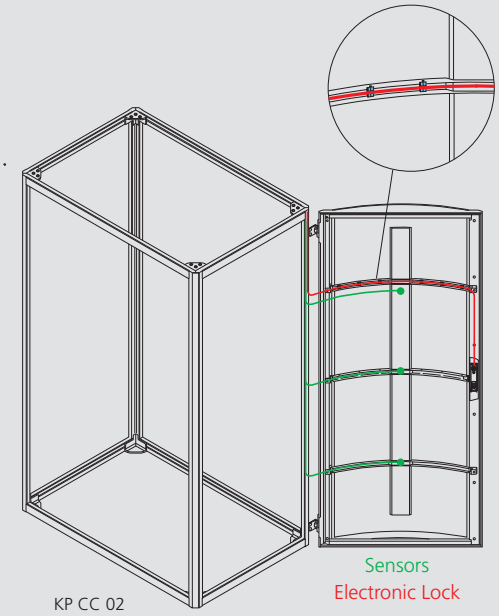
- Routing of electronic lock cables
- Routing of temperature sensor cables

Material : Plastic
Standard Delivery : 10 pcs Cable clip

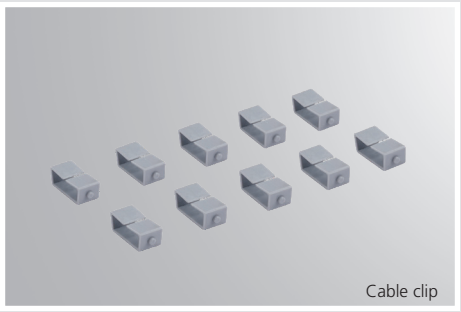
Part No	Description
KP CC 02	Plastic Cable Clip, 10 pcs

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





KP CC 02



Cable clip

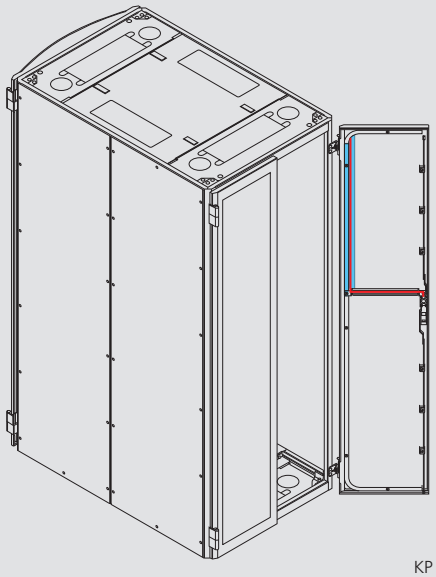
In-door Cable Channel

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

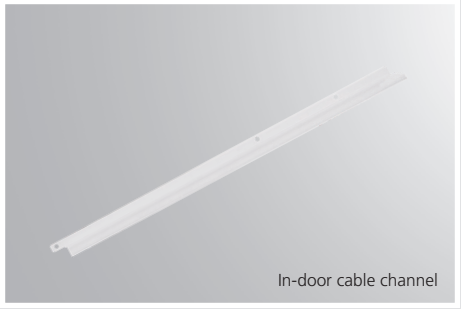
Material : Galvanized sheet metal
Finish : Painted
Standard Delivery : 1 pc. In-door cable channel
1 pc. Fixing kit

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

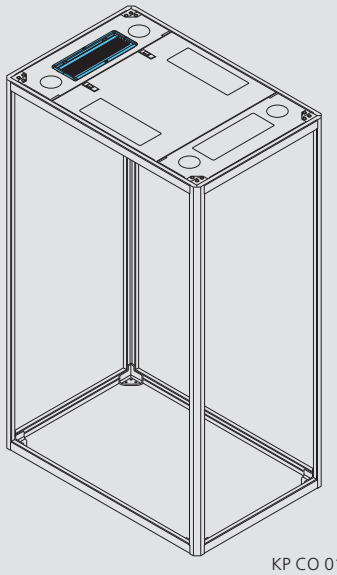
*HH: Height
*CC: Color, BK: RAL 9005 Black; WH: RAL 9003 White
**CC: Please contact to sales for different color alternatives.
***Please refer to page 110 for part number details



KP LT



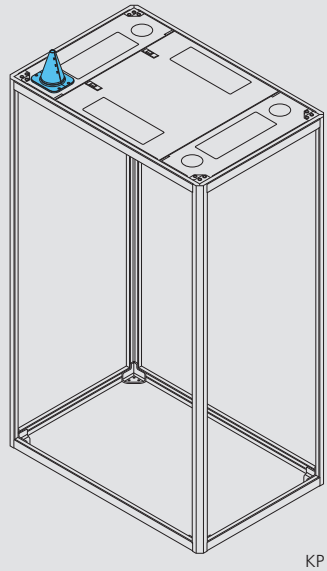
In-door cable channel



KP CO 01 / 02



Cable entry module



KP CO 03



Cable entry module

Cable Entry Accessories

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

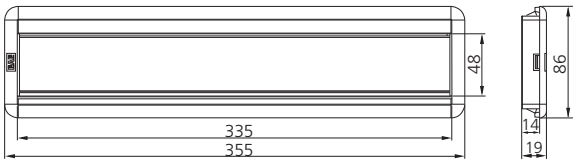
- When necessary, dust tightness is achived via brush strips fixed in cable entry modules

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

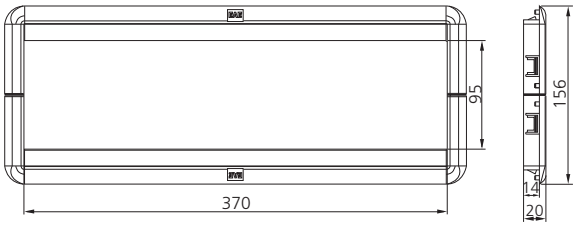
Part No	Description	Width (mm)	Depth (mm)
KP CO 01	Cable Entry Module - Plastic, 35x330 mm	35	330
KP CO 02	Cable Entry Module - Plastic, 75x370 mm	75	370
KP CO 03	Cable Entry Module - Plastic, Conic, Ø80 mm	Ø80	-
KP CO 01 B	Cable Entry Module - Plastic, Brushed, 35x330 mm	35	330
KP CO 02 B	Cable Entry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

KP CO 01

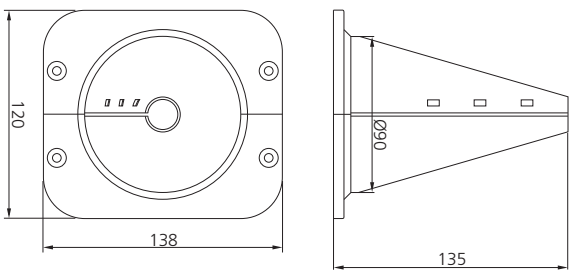


KP CO 02



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

KP CO 03



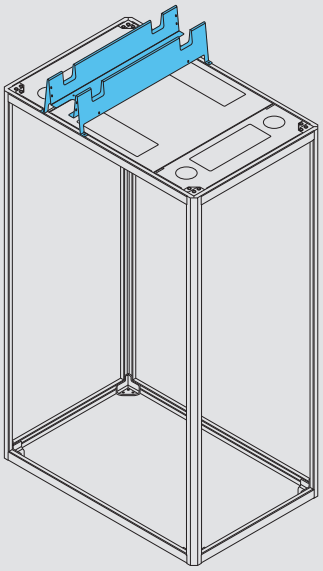
Cabinet Top Cable Managers

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

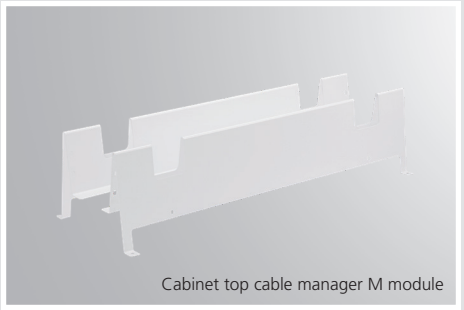
Material : Galvanized sheet metal
Finish : Painted
Standard Delivery : 1 pcs Cable separator (M-A)
1 pcs Fixing kit

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

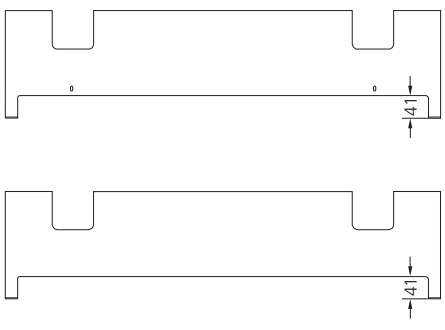
*HH: Height
*CC: Color, BK: RAL 9005 Black; WH: RAL 9003 White
**CC: Please contact to sales for different color alternatives.
***Please refer to page 110 for part number details

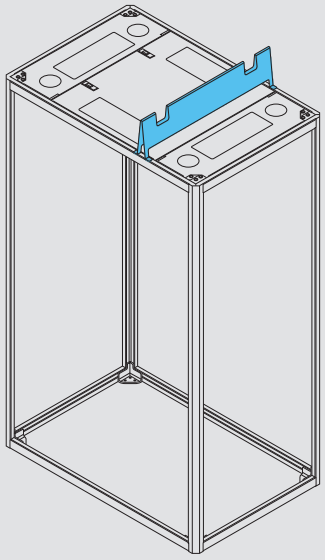


KP CM

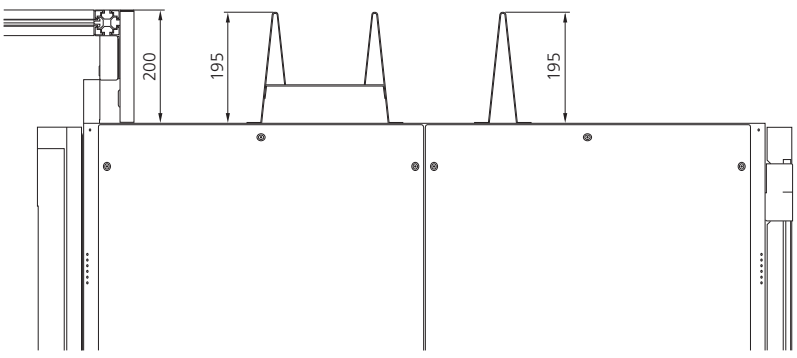


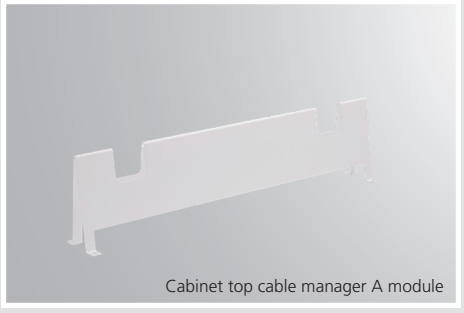
Cabinet top cable manager M module



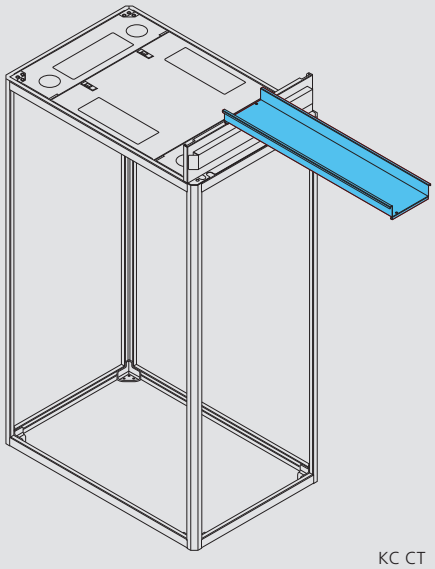


KP CA

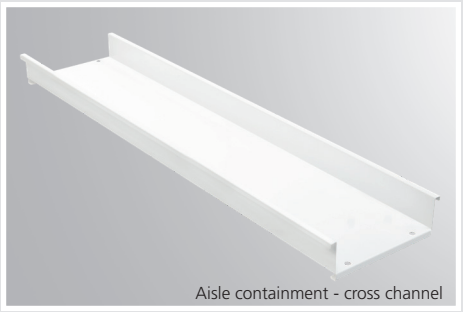




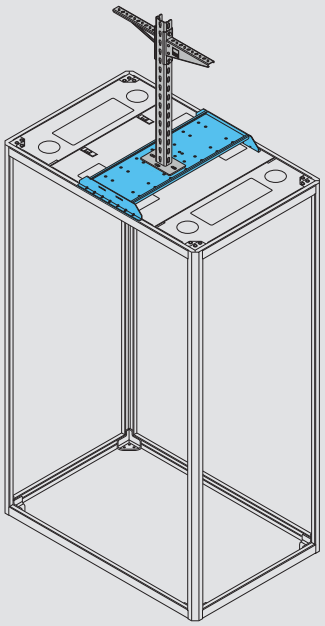
Cabinet top cable manager A module



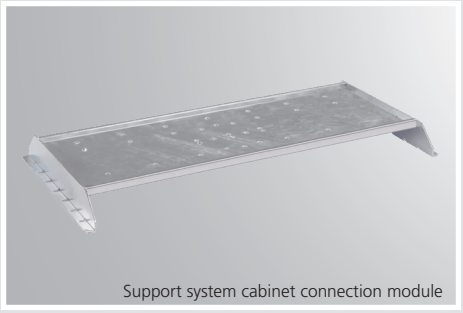
KC CT



Aisle containment - cross channel



KC CS



Support system cabinet connection module

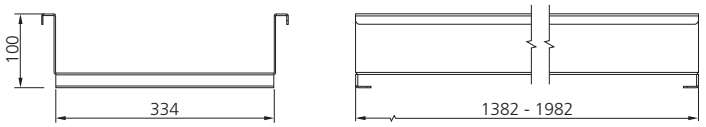
Aisle Containment - Cross Channel

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

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



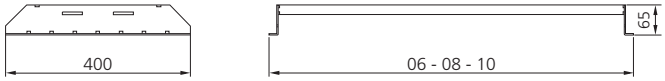
Support System Cabinet Connection Module

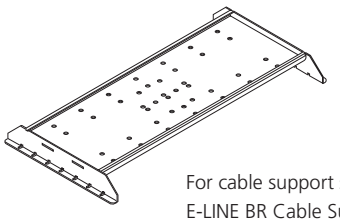
These modules are designed to fix different support components on cabinets.

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

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 catalouge.
https://www.eaeelectric.com/support-system/e-line-binrak

Overhead Rack

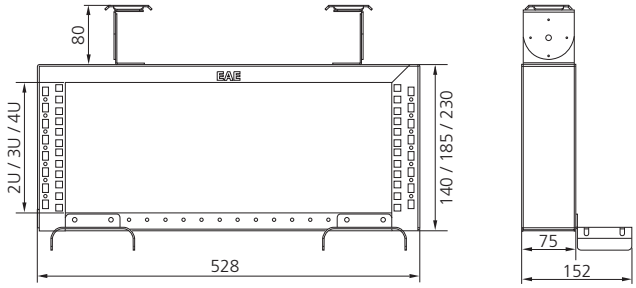
Overhead racks provide convenience and flexibility in cabling.

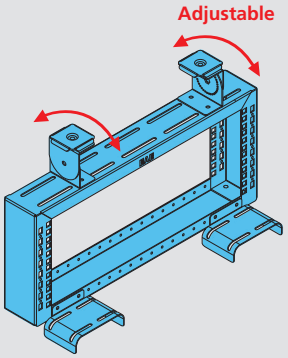
- Ability to be installed on wire mesh trays and standard slotted cable trays
- Cable ring mounting capability at sides

Material : Galvanizied 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.

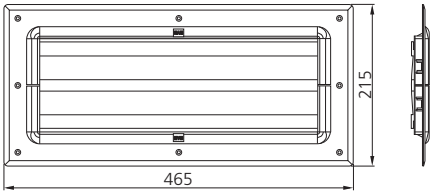
- Sheet steel flange painted in white

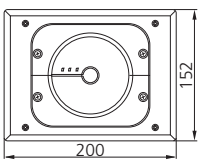
Material : Plastic on sheet steel
Standard Delivery : 1 pcs Cable grommet with metal flange
1 pcs Fixing kit

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, Hoodded, ø100 mm
KP CG 04 CC	Cable Grommets, Conical

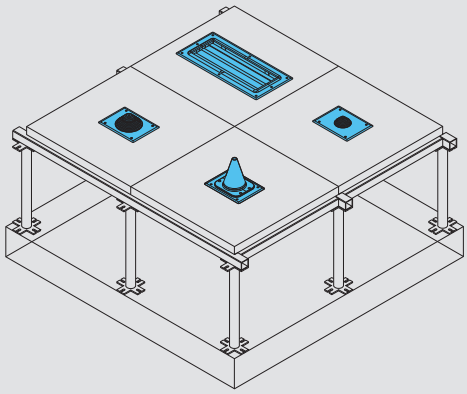

Hooded Cable Grommet

*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



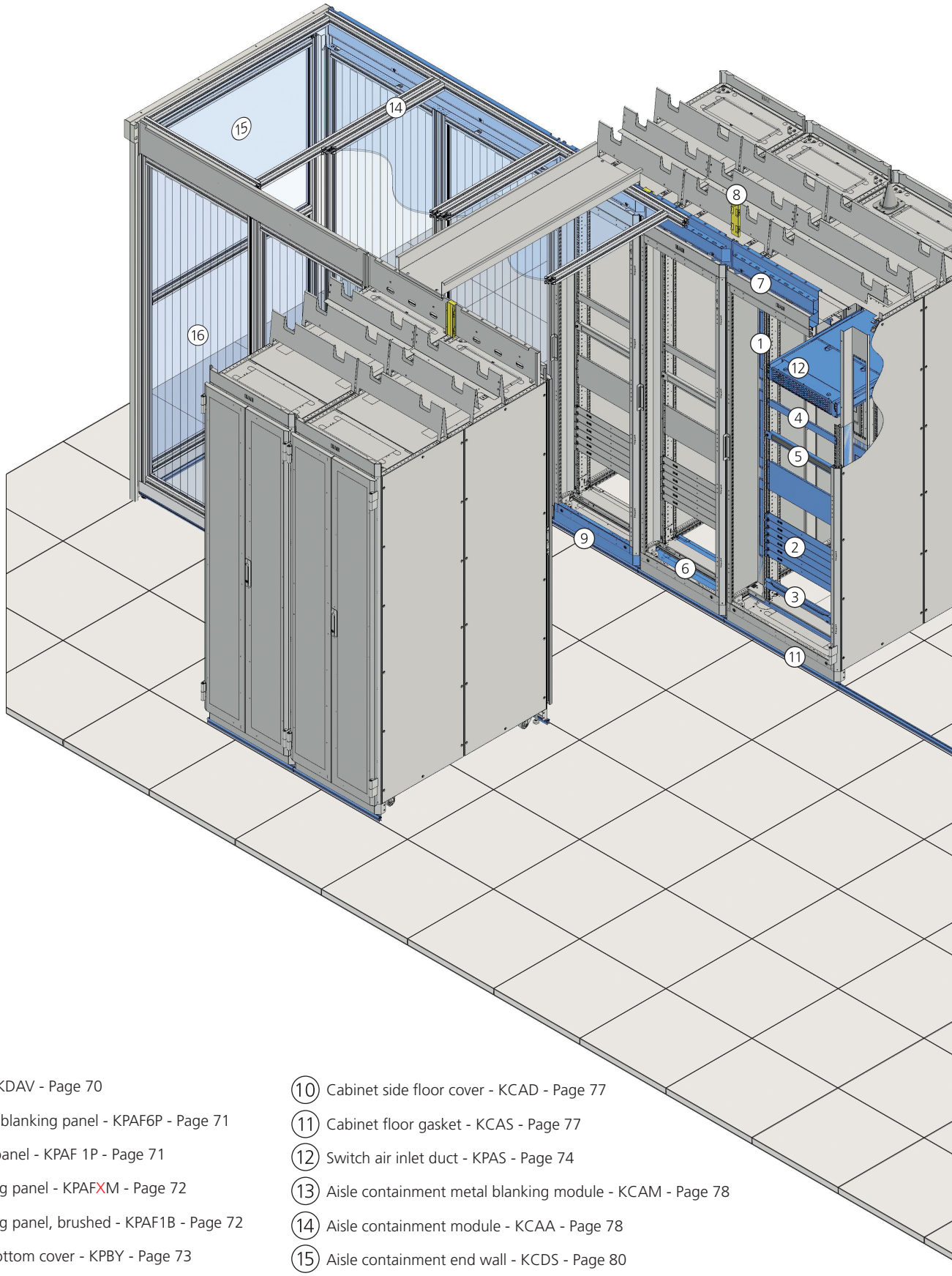


For more information please see cable entry accessories page 62.

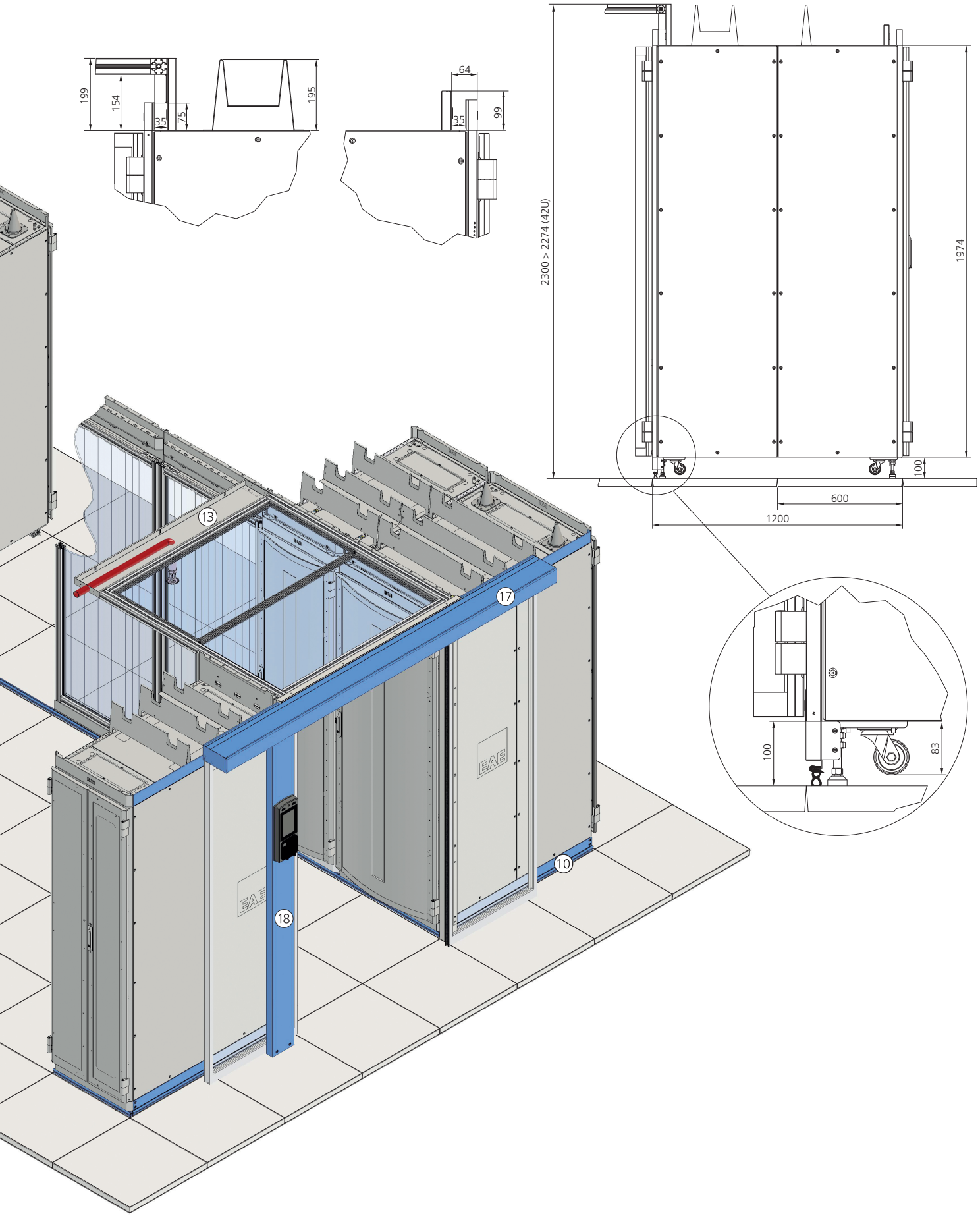

KC CG 01 / 02 / 03 / 04


Cable grommets

Airflow Management Accessories

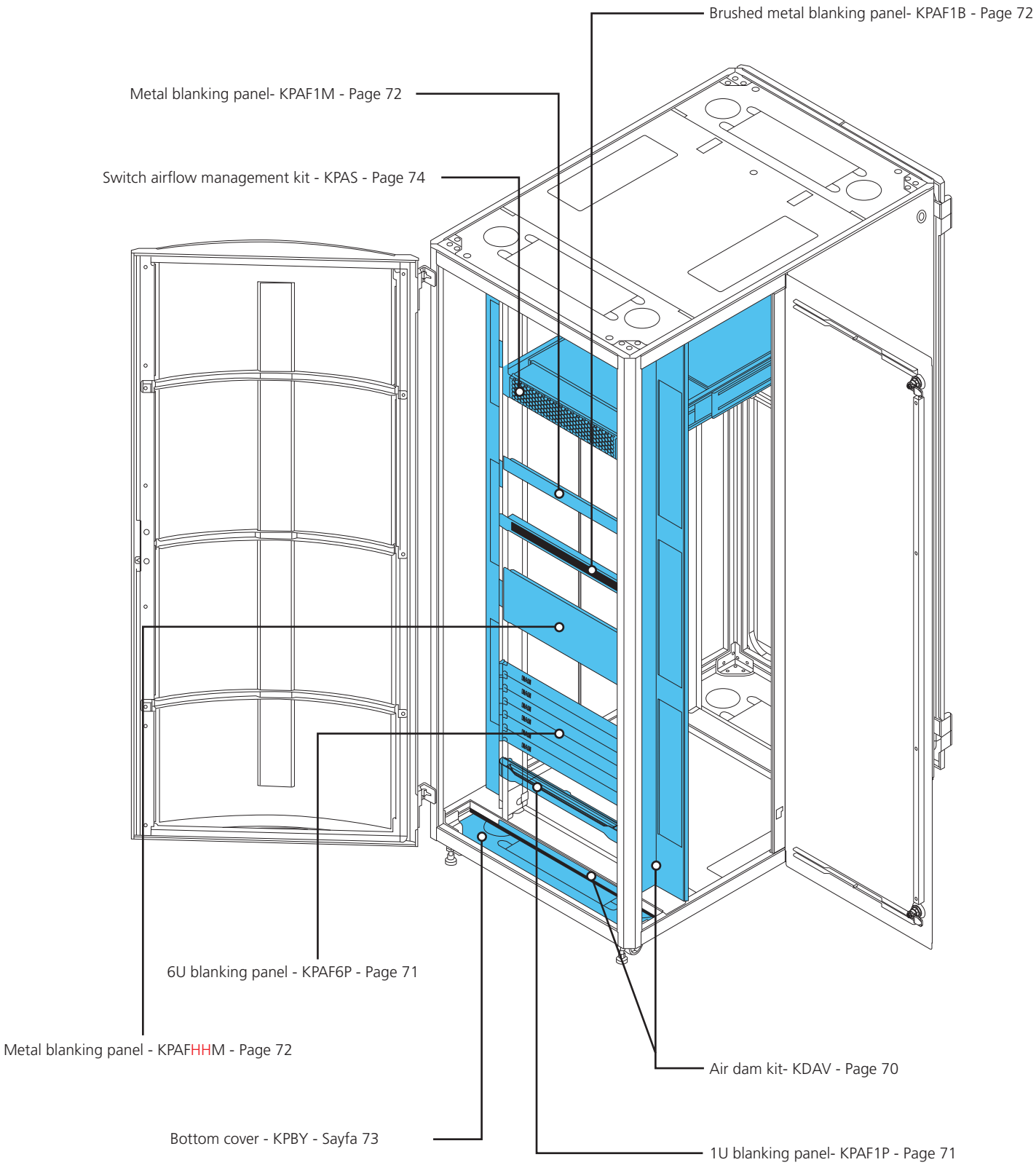


1. Air dam kit - KDAV - Page 70
2. 6U breakable blanking panel - KPAF6P - Page 71
3. 1U blanking panel - KPAF 1P - Page 71
4. Metal blanking panel - KPAFXM - Page 72
5. Metal blanking panel, brushed - KPAF1B - Page 72
6. Front / rear bottom cover - KPBY - Page 73
7. Aisle - cabinet overhead set - KCAC - Page 76
8. Aisle - cabinet overhead joining kit - KCAT - Page 76
9. Cabinet front-rear floor cover - KCAG - Page 77
10. Cabinet side floor cover - KCAD - Page 77
11. Cabinet floor gasket - KCAS - Page 77
12. Switch air inlet duct - KPAS - Page 74
13. Aisle containment metal blanking module - KCAM - Page 78
14. Aisle containment module - KCAA - Page 78
15. Aisle containment end wall - KCDS - Page 80
16. Aisle containment module - vertical - KCAA - Page 80
17. Aisle containment door - KCDT - Page 82
18. Access control mounting module - KCES - Page 83

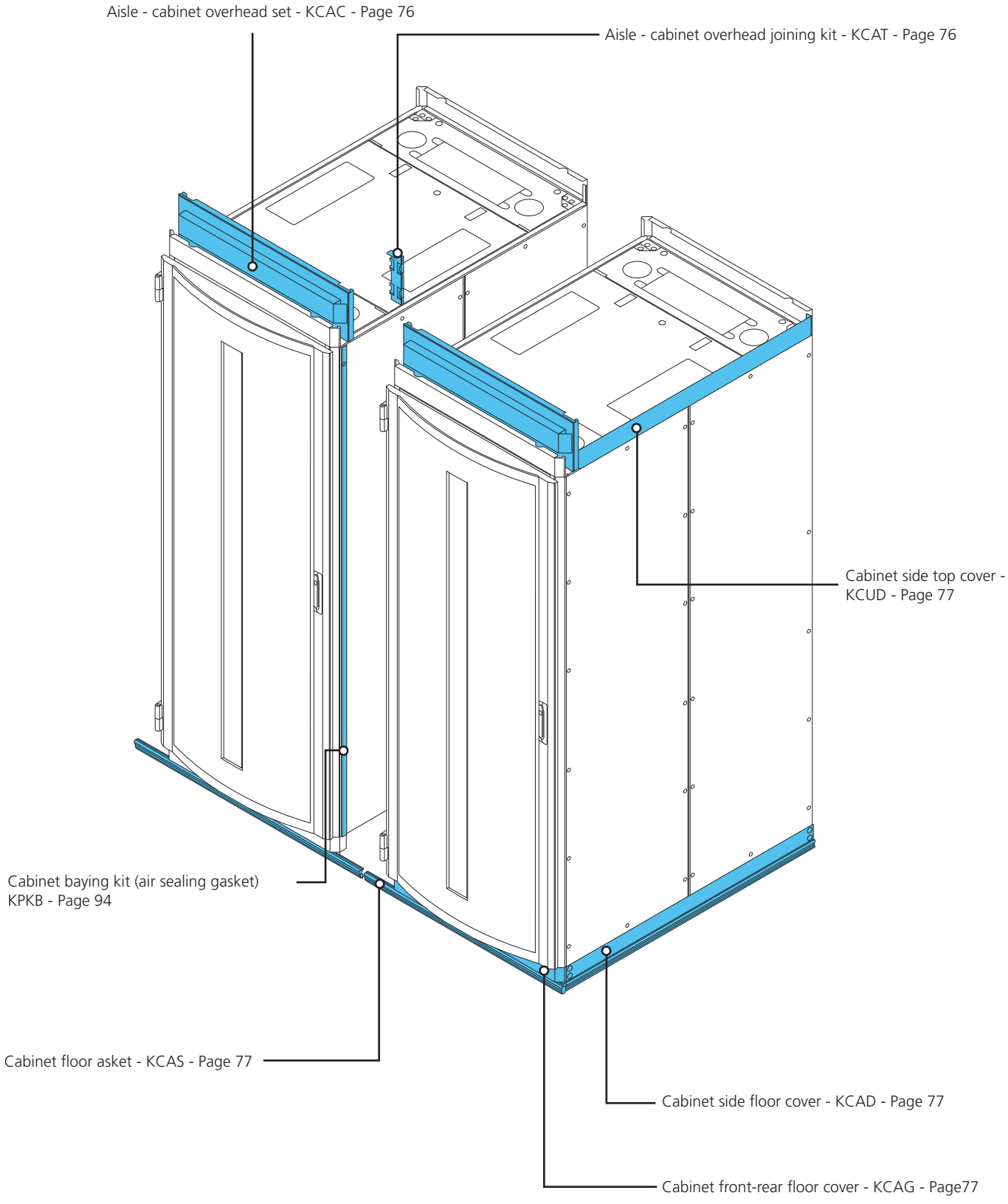

199
154
35
75
195
64
35
99
2300 > 2274 (42U)
1974
100
600
1200
100
83
13
17
18
10

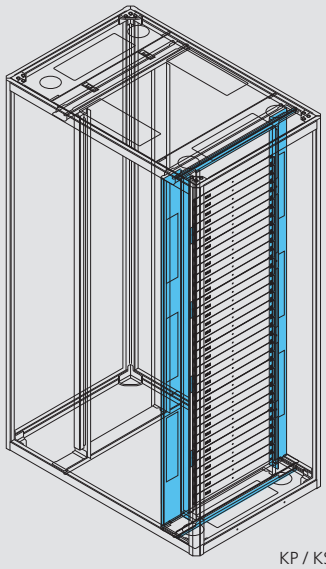
Airflow Management Accessories

Airflow Management Inside Cabinet



Airflow Management Outside Cabinet



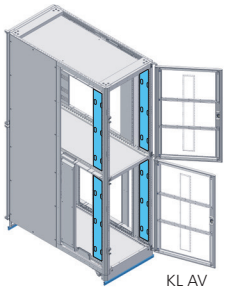


KP / KS / KD AV

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



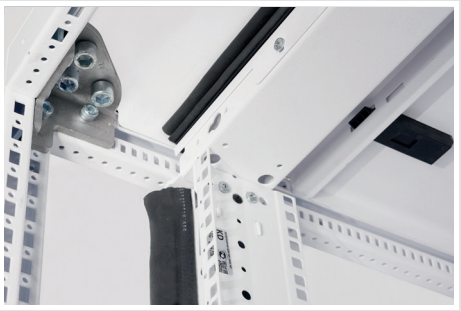
KL AV

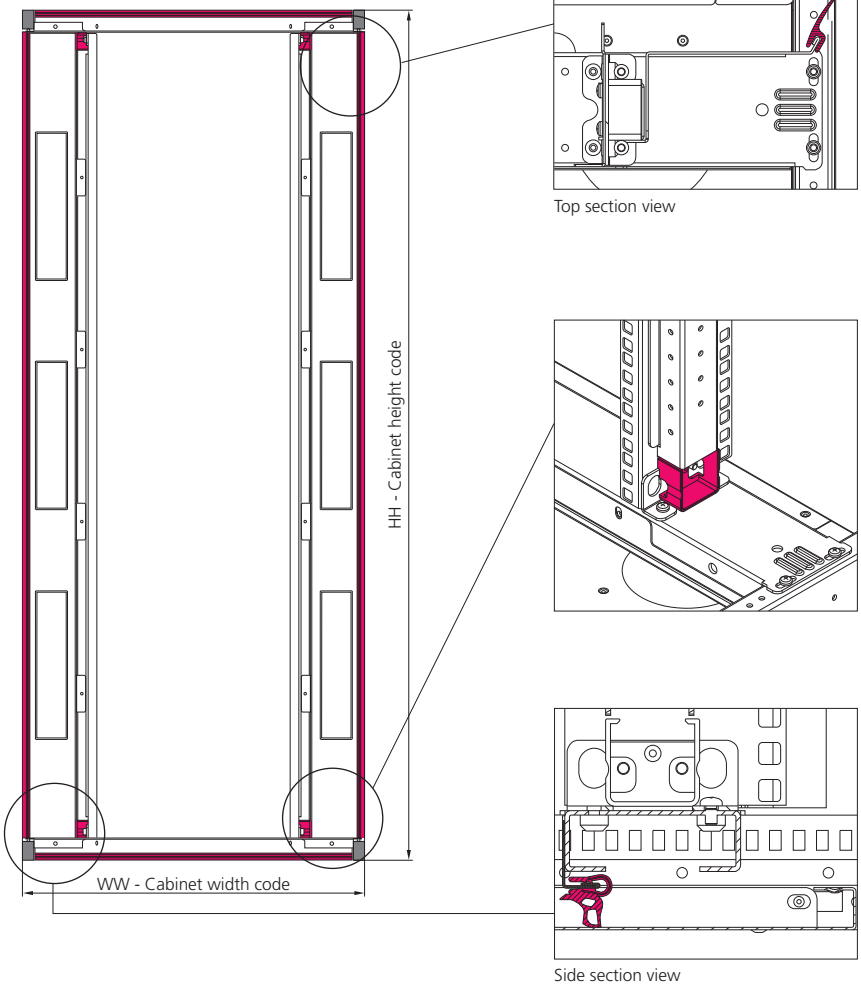
Part No	Description	Height (mm)	Width (mm)	Compartment Qty
KS AV HH WW CC	Air Dam Kit	42U, 47U	600, 800 1000	
KD AV HH WW CC	Air Dam Kit	42U, 47U	600, 800 1000	
KP AV HH WW CC	Air Dam Kit	42U, 47U	600, 800 1000	
KL AV HH WW L CC	Air Dam Kit (includes all compartments)	42U, 47U	600, 800 1000	02, 03, 04

*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

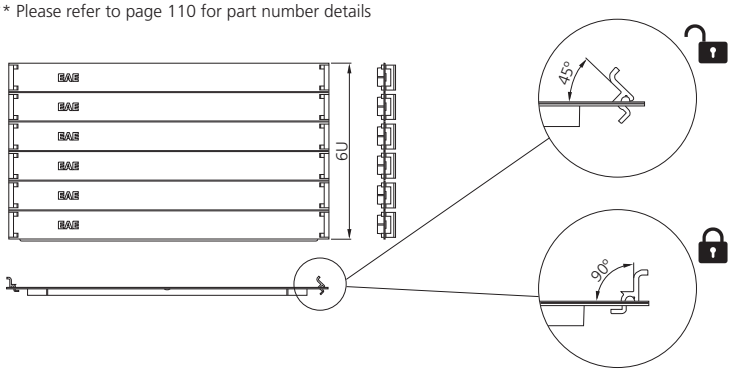
Blanking panels can be used for separating cold air in front of mounted equipment from hot air inside the cabinet.

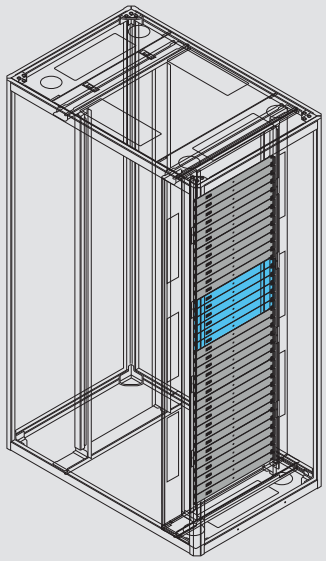
- 6U breakable one by one
- Toolless mounting and locking feature
- Lock on each unit serves as handle for pulling out

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

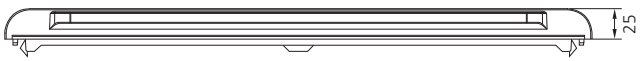
Blanking panels can be used for separating cold air in front of mounted equipment from hot air inside the cabinet.

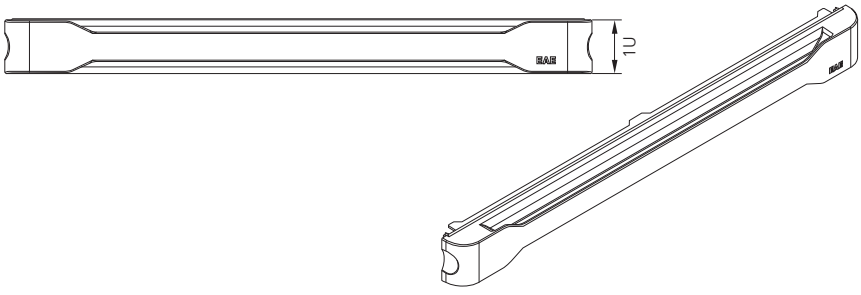
- Toolless mounting and catching feature
- Integrated handle for pulling out

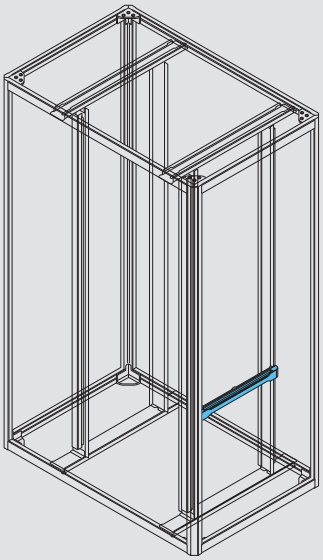
Material : Halogen-Free / Plastic
Finish :
Standard Delivery : 1 pcs 19 inch 1U blanking panel

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

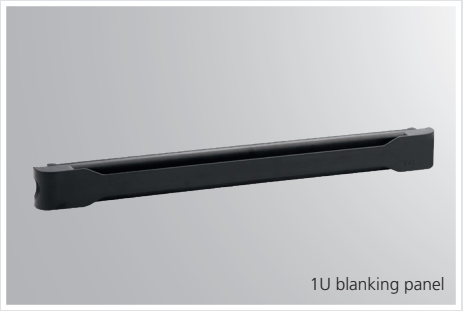
*** Please refer to page 110 for part number details



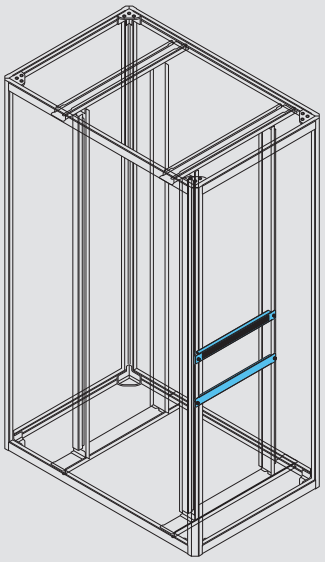




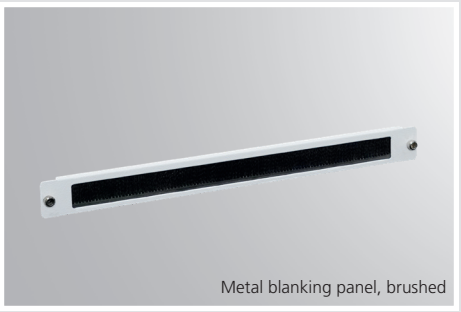
KP AF 1P



1U blanking panel



KP AF



Metal blanking panel, brushed

Metal Blanking Panel

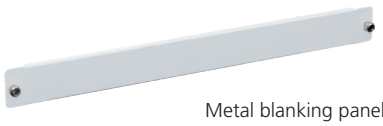
Blanking panels can be used for separating cold air in front of mounted equipment from hot air inside the cabinet.

- 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



Testing Blanking Panel

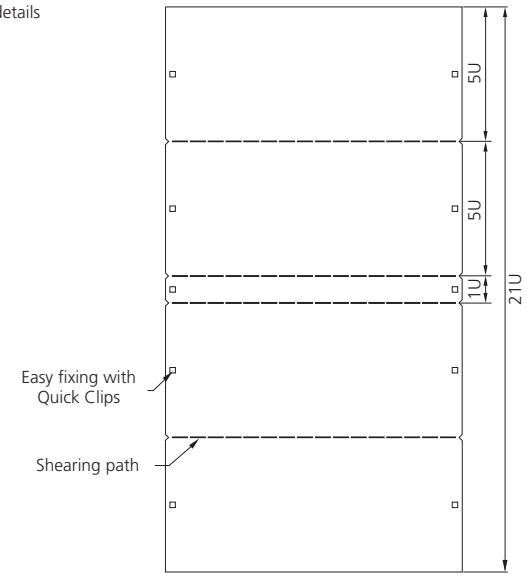
Testing Blanking Panel

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



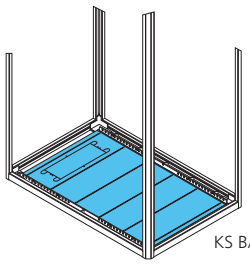
Bottom Cover

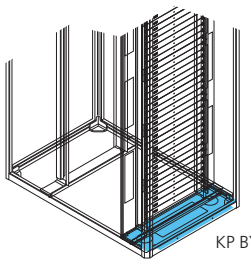
Bottom cover prevents dust entering into the cabinet and enables better control of airflow.

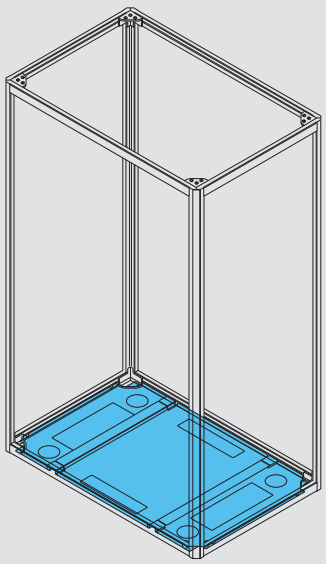
Material : Galvanized sheet metal
Finish : Painted
Standard Delivery : 1 pcs Bottom cover
1 pcs Fixing kit

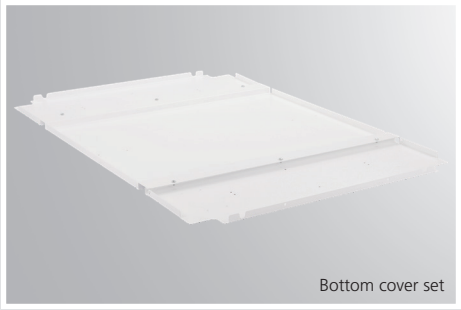
Part No	Description	Width (mm)	Depth (mm)
KP BA WW DD CC	Cabinet Bottom Cover Set, 3 pcs	600, 800, 1000	1000, 1100, 1200
KS BA WW DD CC	Cabinet Bottom Cover Set	600, 800, 1000	1000, 1100, 1200
KR BA WW DD CC	Cabinet Bottom Cover Set, 1 pcs	600, 800	600, 800, 1000
KP BY WW CC	Partial Bottom Cover Set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

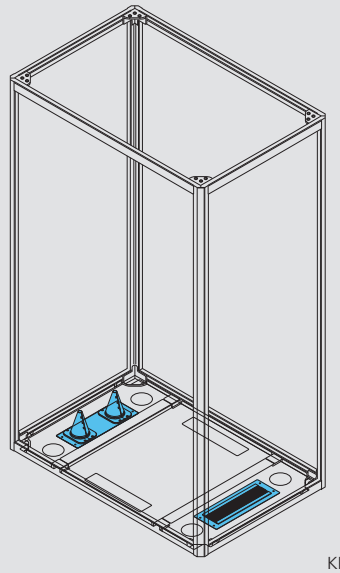
Bottom cover plates are designed to cover the bottom of the cabinet to prevent unwanted airflow and dust entry while enabling cable entry when necessary.

- Ability to be attached later at breakable cable entry knockouts

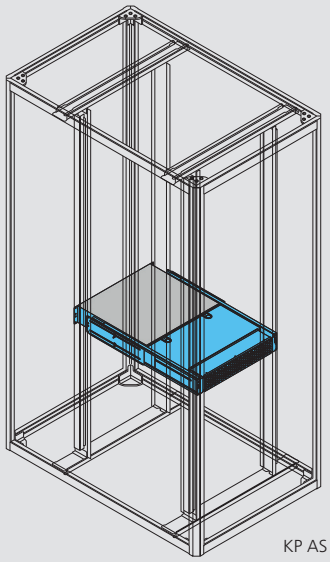
Material : Galvanized sheet metal
Finish : Painted
Standard Delivery : 1 pcs Cable Entry Cover
1 pcs Brushed Module
1 pcs Conic Cable Gland
1 pcs Fixing kit

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



KP AS

Switch Airflow Module

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

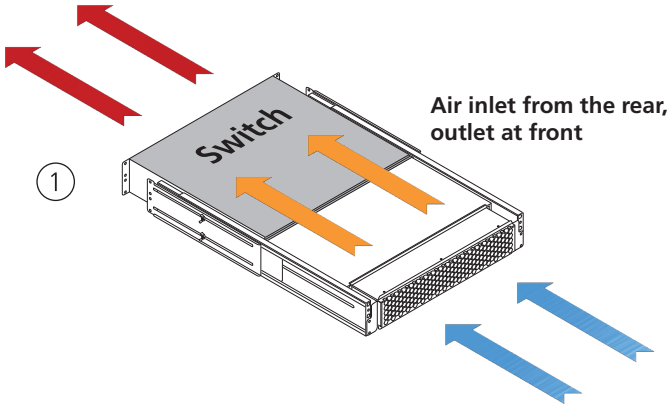
- One design suitable for all 3 applications (with different installation arrangement)

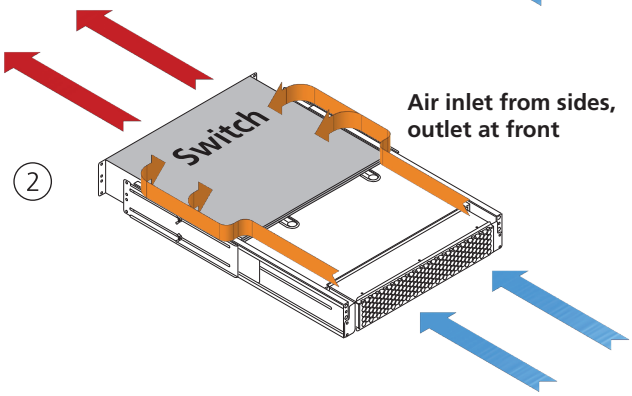
Material : Galvanized sheet metal
Finish : Painted
Standard Delivery : 1 pcs Airflow Module
1 pcs Fixing kit

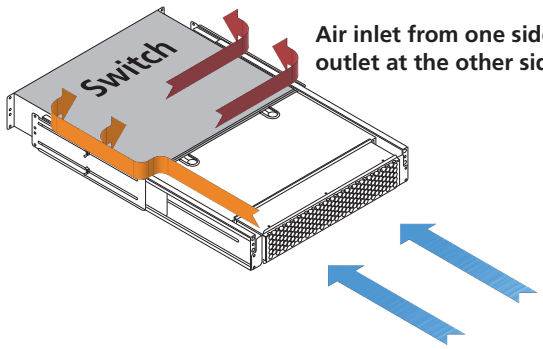
Part No	Description	Height (mm)
KP AS 1U CC	Switch Airflow Module, 1U	1U
KP AS 2U CC	Switch Airflow Module, 2U	2U

*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









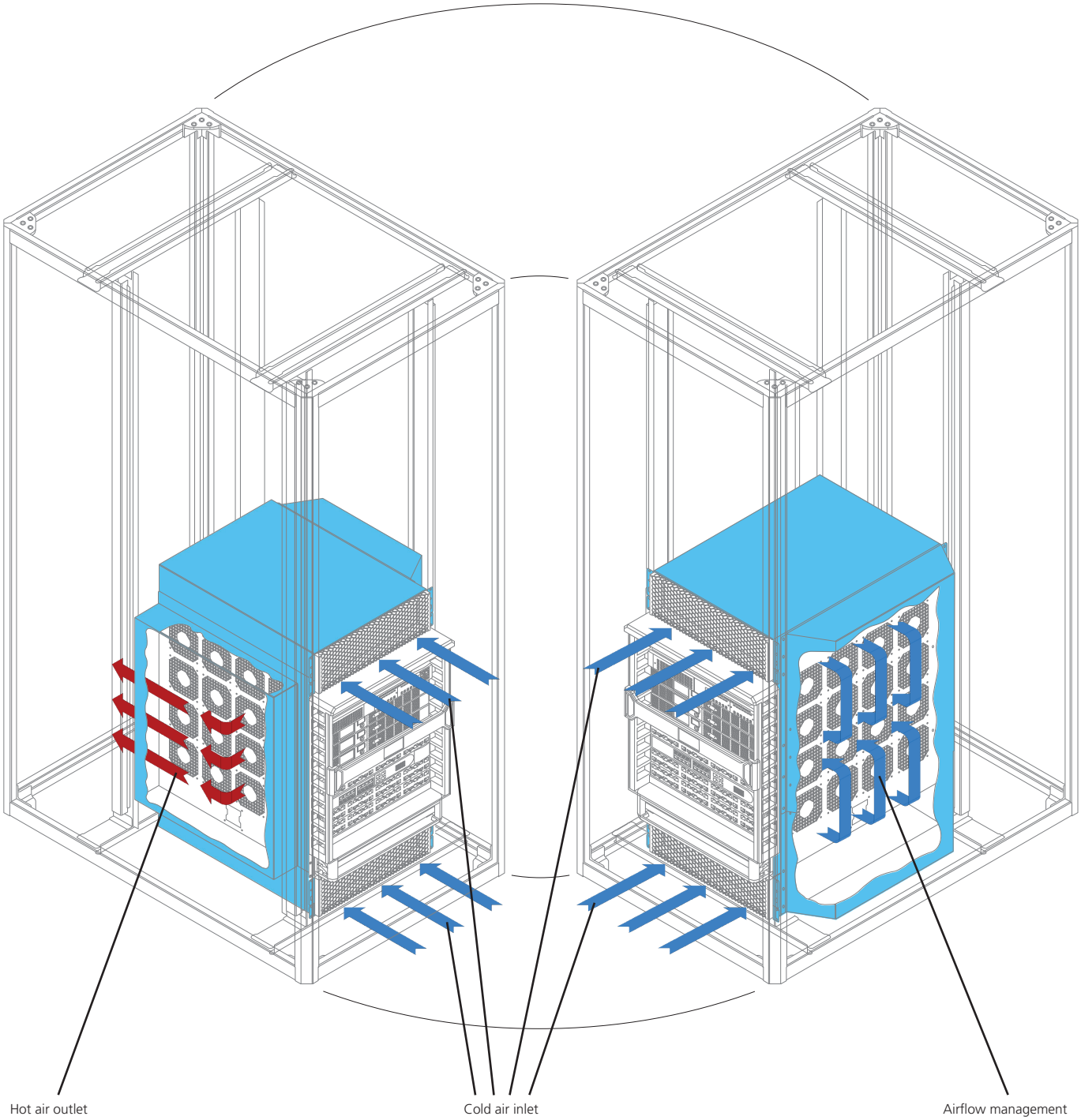
Switch airflow module



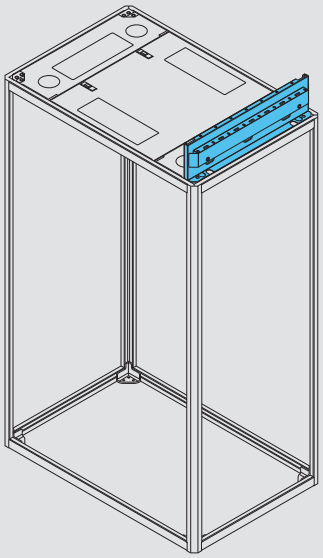
Switch airflow module

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



KC AC



Cabinet overhead kit

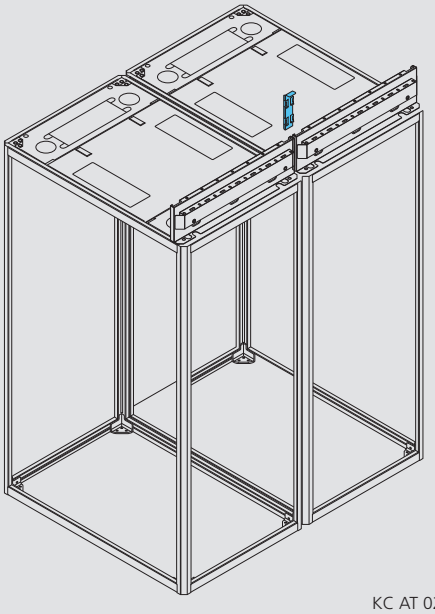
Cabinet Overhead Kit

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



KC AT 02



Cabinet overhead joining kit

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

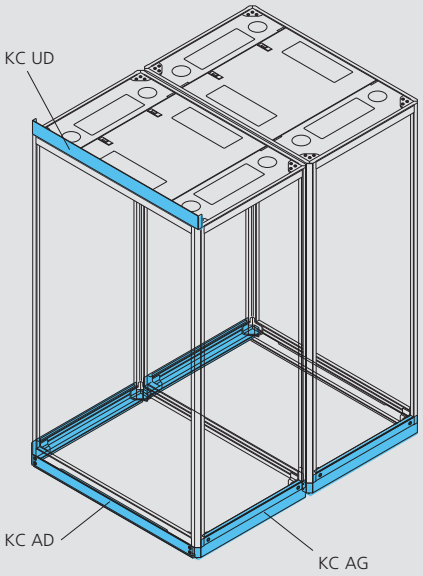
Cabinet Front-Rear Floor Cover
Cabinet Side Top / Floor Cover

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	Decription	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 front-rear floor cover

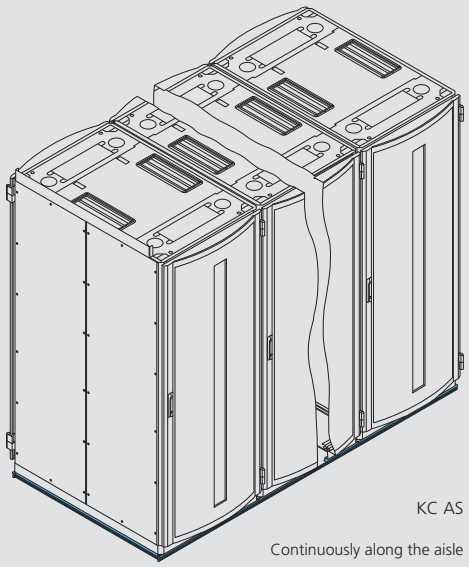
Cabinet Floor Gasket

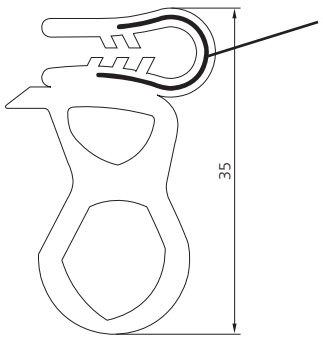
Cabinet floor gaskets are to be attached to floor covers continuously without cutting, when all cabinets are bayed together forming a row. They are used for achieving higher airflow management efficiency.

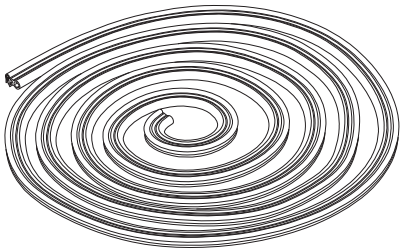
Material : EPDM
Standard Delivery : 5 m, 10 m, 25 m

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

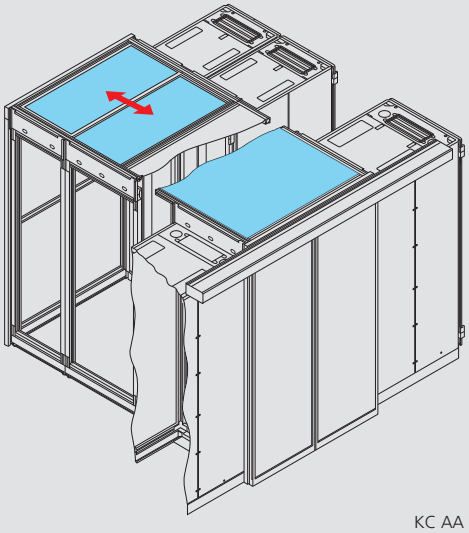
*LL: Length
*** Please refer to page 110 for part number details


KC AS
Continuously along the aisle




Continuous along the corridor


Cabinet floor gasket



KC AA



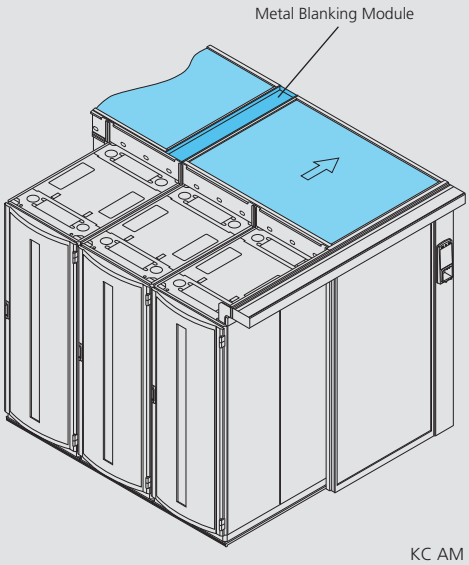
Aisle Containment Module - Aluminum

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.

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



KC AM



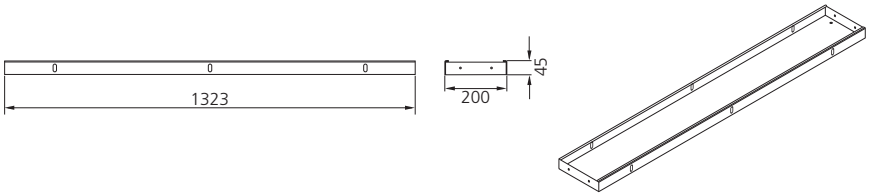
Aisle Containment Module - Metal

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.

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



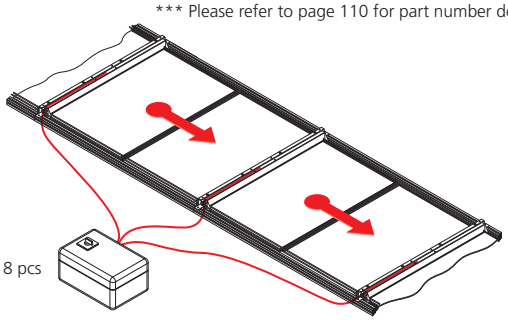
Aisle Containment Module - Emergency Self-Opening

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.

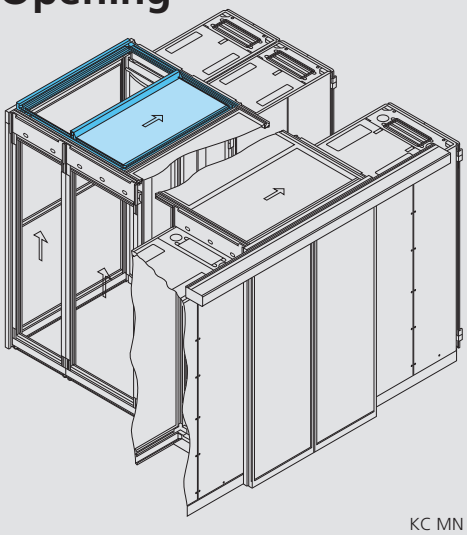
Material : 45 x 45 + 20 x 20 mm aluminum sigma profile
twinwall polycarbonate - 6 mm
Finish : Painted
Standard Delivery : 1 set Aisle containment module
1 pcs Fixing kit

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

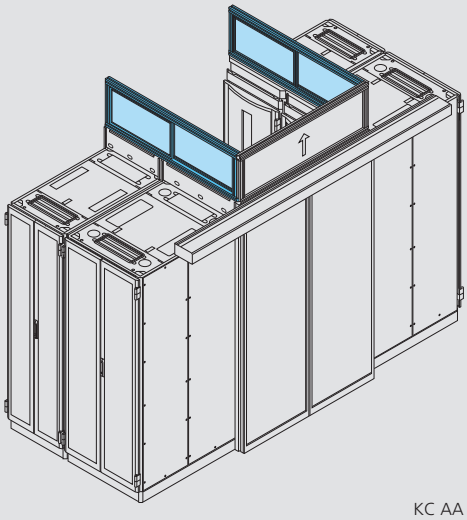
Overhead Vertical Containment Module

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

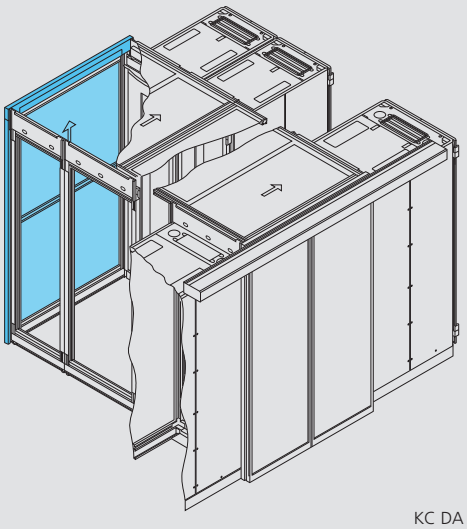
*HH: Height
*WW: Width
*CC: Color, BK: RAL 9005 Black WH: RAL 9003 White
**CC: Please contact to sales for different color alternatives.
*** Please refer to page 110 for part number details



KC AA



Overhead vertical corridor covering



KC DA



Aisle containment end wall

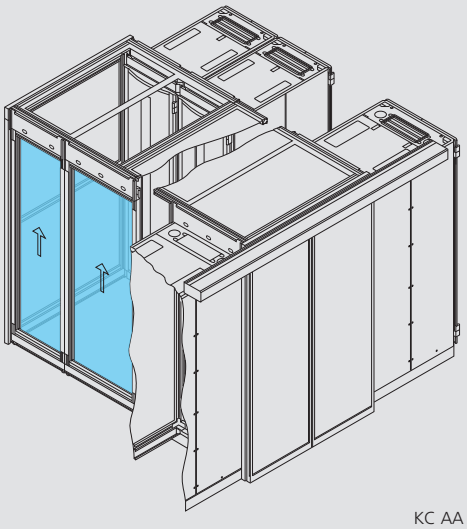
Aisle Containment End Wall

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

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: Wdth
*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



Vertical aisle containment

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

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

Free-Standing Aisle

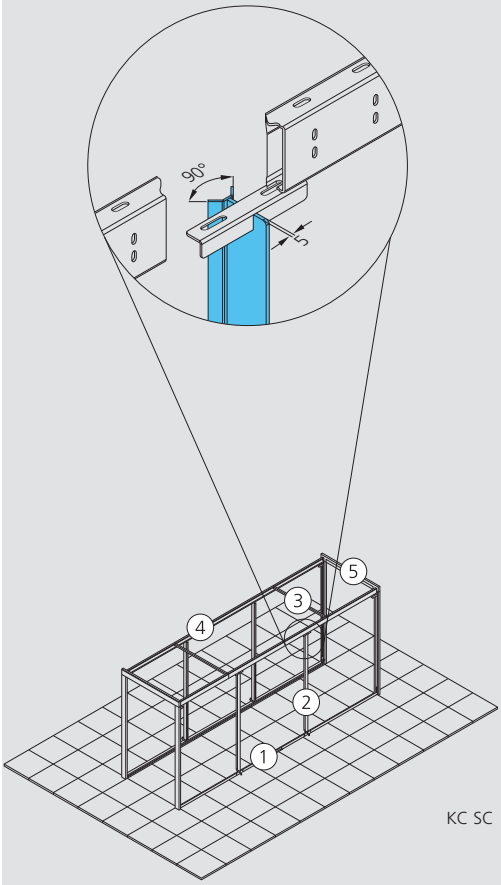
Free-standing aisle is a steel structure which is easy to assemble on site. Modular design enables to match different needs in dimensions. It provides flexibility for future investments.

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

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

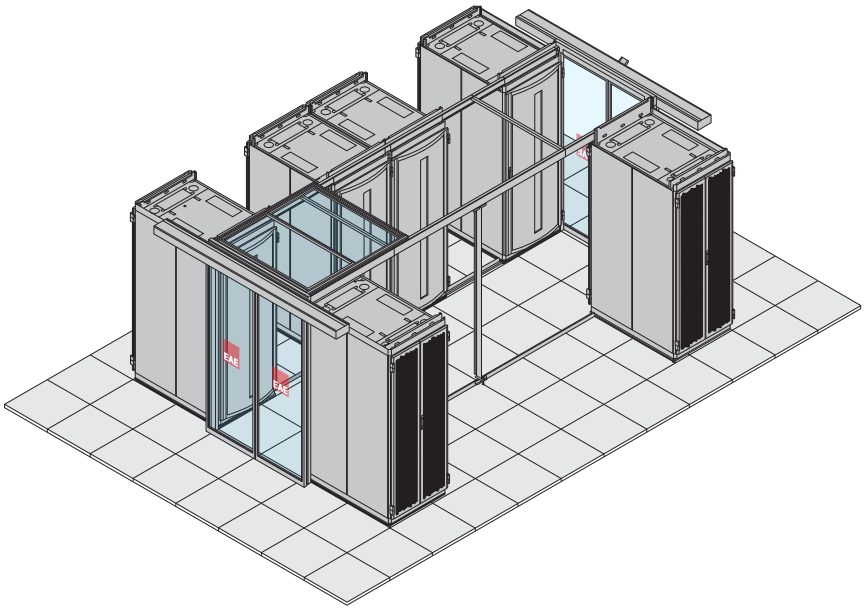
Part No	Description		Height (mm)	Width (mm)
KC SC WW CC	Aisle Floor Rail	①		1200, 1400, 1600, 1800, 2000, 2200, 2400
KC SC HH CC	Vertical Support Rail	②	42U, 47U	
KC SC WW CC	Aisle Width Rail	③		1200, 1800
KC SC WW CC	Aisle Support Rail	④		1200, 1400, 1600, 1800, 2000, 2200, 2400
KC SC 01 CC	Aisle Connection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

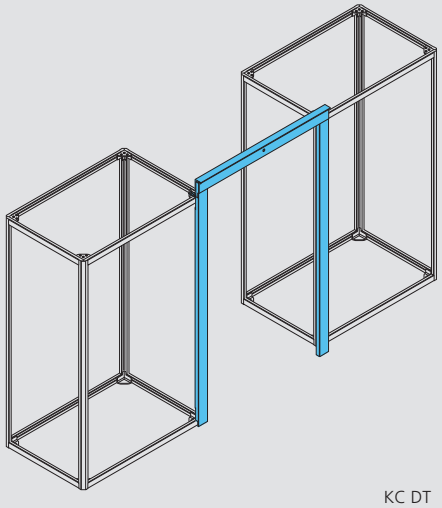
*HH: Height
*WW: Width
*CC: Color, BK: RAL 9005 Black; WH: RAL 9003 White
**CC: Please contact to sales for different color alternatives.
***Please refer to page 110 for part number details



KC SC

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





KC DT



Aisle door mounting module

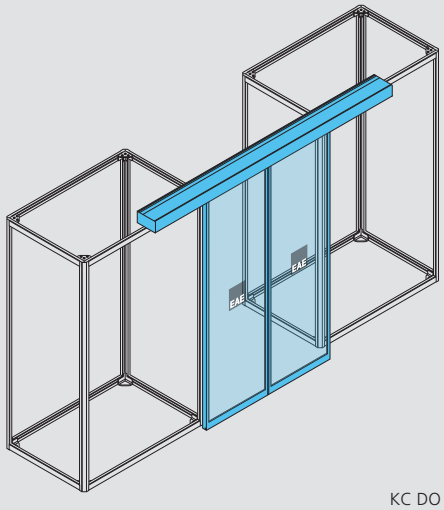
Aisle Door Mounting Module

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

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



KC DO



Automatic aisle door

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 lamineted glass
Finish : Painted
Standard Delivery : 1 pcs Automatic sliding door mechanism
2 pcs 4+4 mm laminated glass

Part No	Desription	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: Heigh
*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

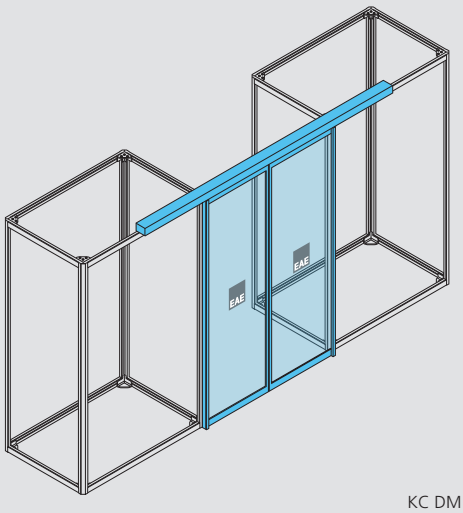
Manual aisle door is used for efficient airflow management in cold and hot aisle containment system.

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

Material : Aluminum frame, 4+4 lamineted 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

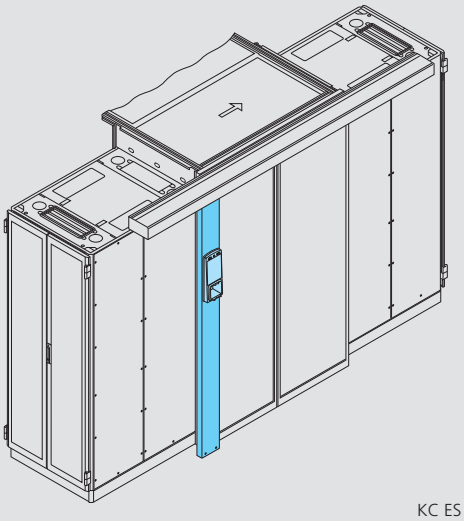
As an integral unit of access control system access control units are used to manage automatic aisle doors.

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

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

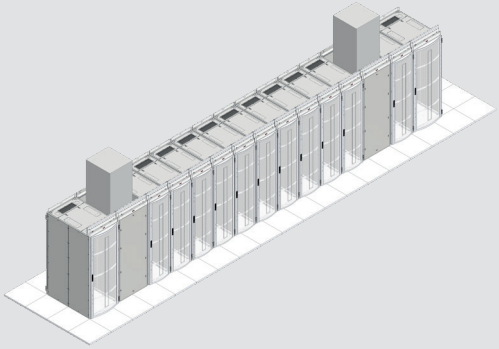


KC ES



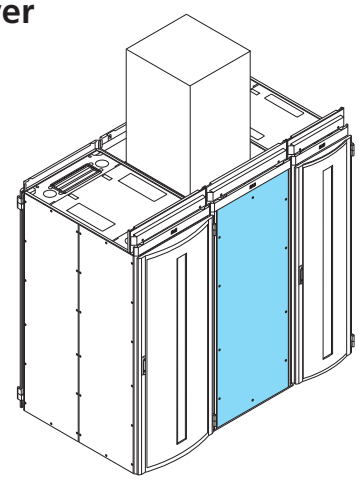
Sensor carrier pillar does not prevent the automatic door from operating.

Hand Sensor

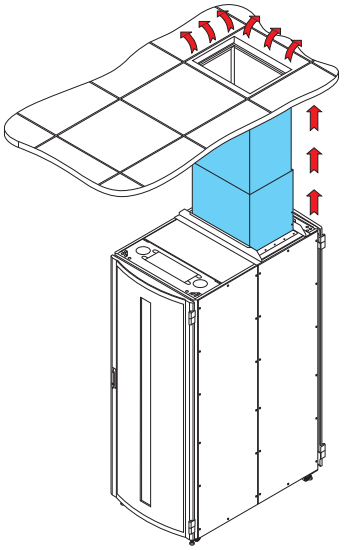


Non-Standard Containment Solutions

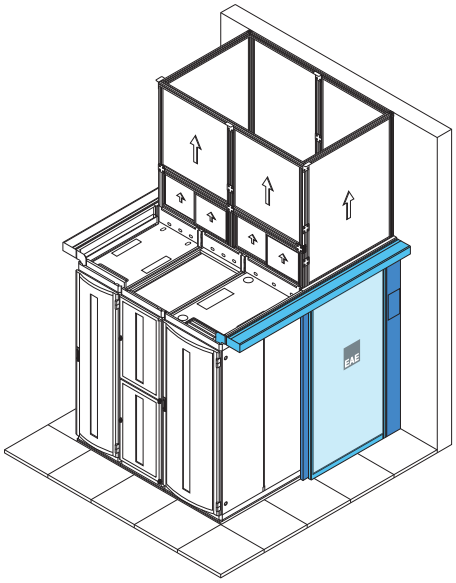
Column Cover



Top-of-cabinet Chimney



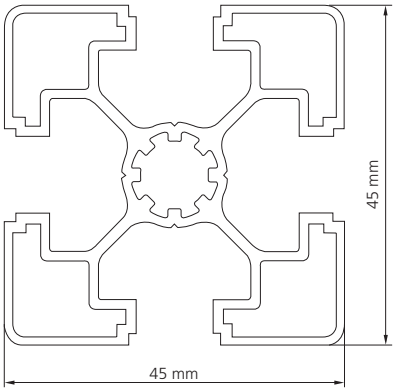
Single Row Aisle Containment

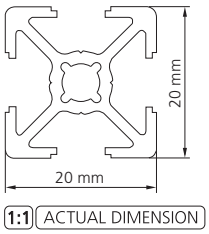


Caution: For door opening direction, please refer page 82.

Aluminum Sigma Profile and Containment Panel Material Alternatives

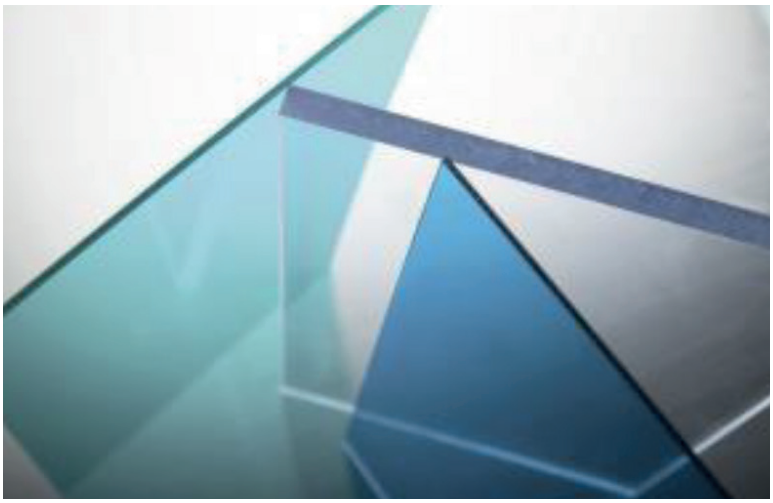
Frame Structure







Solid Polycarbonate

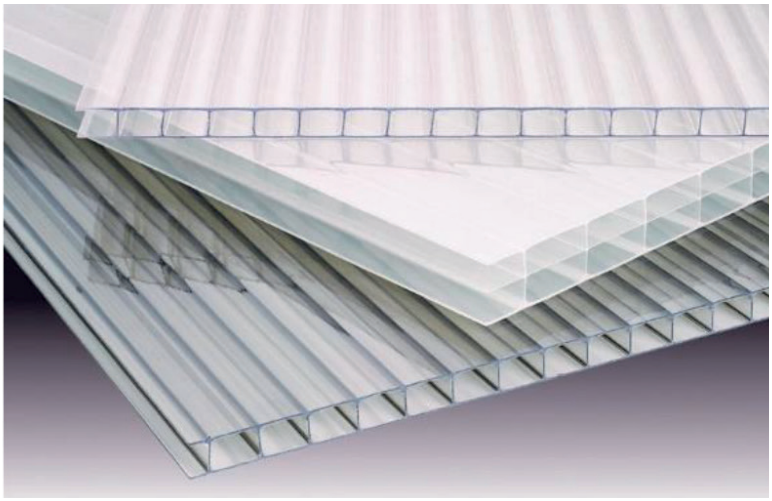


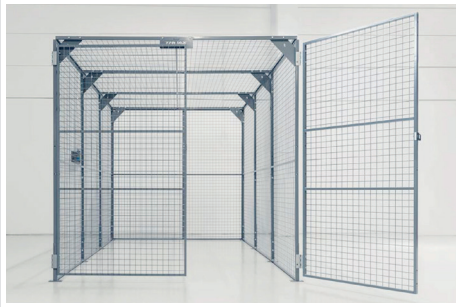
Containment Material Alternatives

Glass

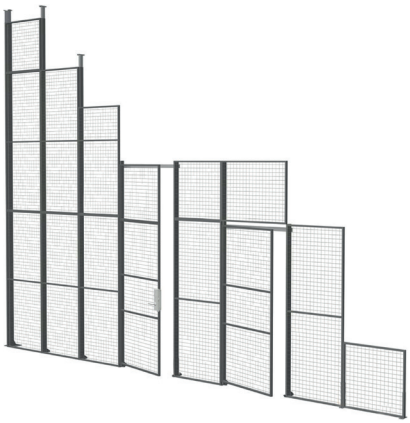
- Tempered glass
- Laminated glass
- Smoked glass
- Clear glass

Twinwall Polycarbonate

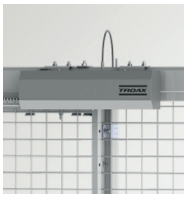


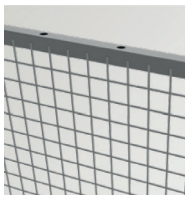


Fixed Caging Solutions



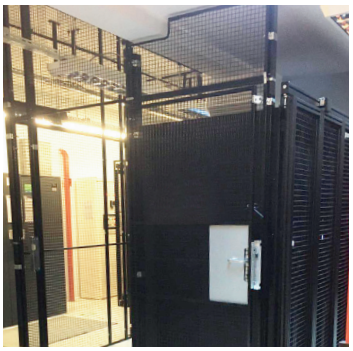






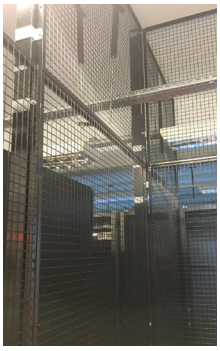



Application Examples





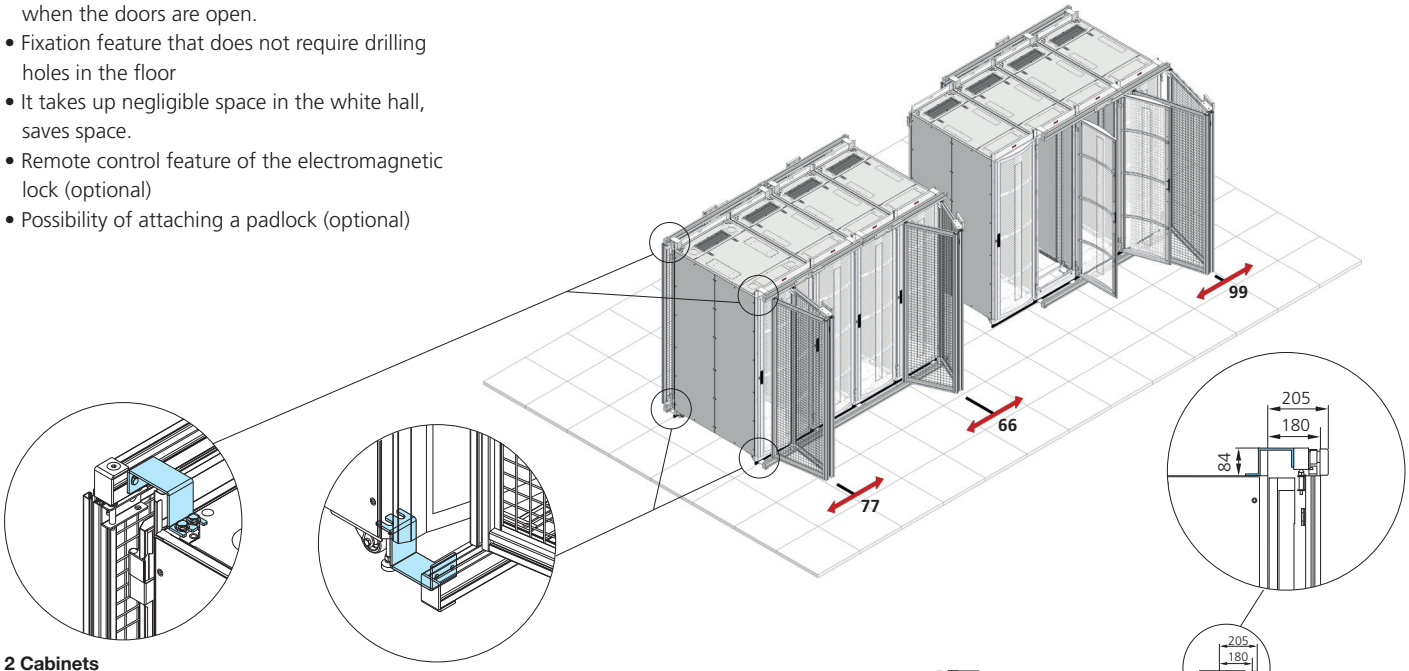

Under raised floor

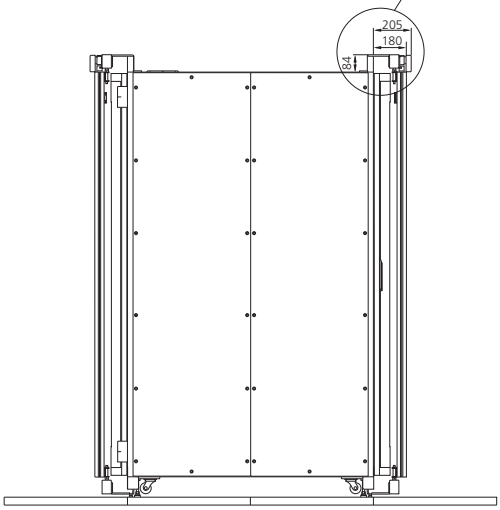



Sliding Cage Solutions

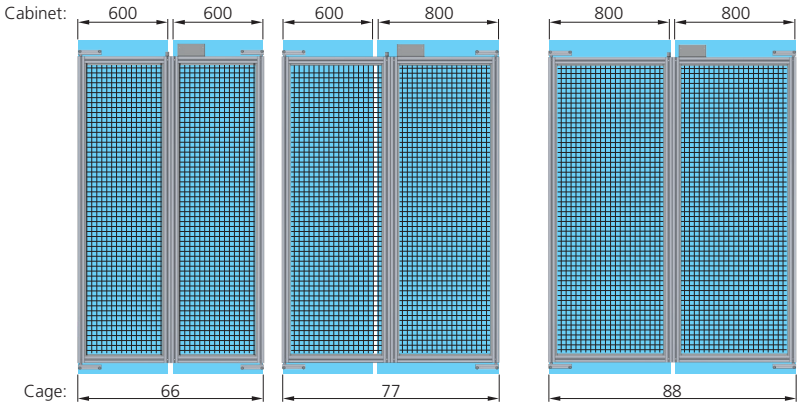
- Possibility of adding or removing sliding cage partitions when desired.
- Standard 2 cabinet or 3 cabinet sets can be combined for groups of 4, 5 or more cabinets.
- Sliding cage rails on the top and the floor are easily fixed to the robust cabinet construction when the doors are open.
- Fixation feature 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

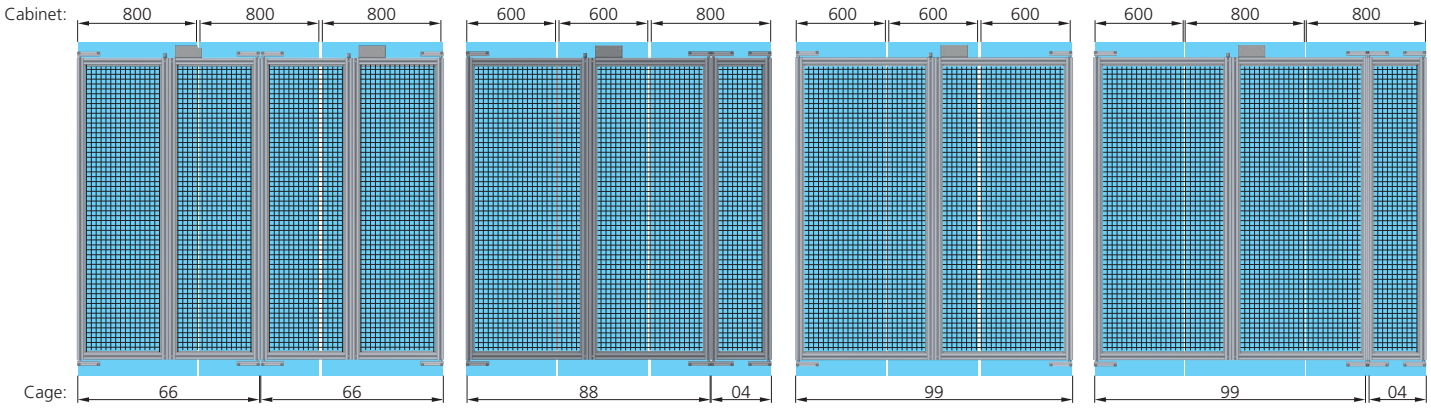




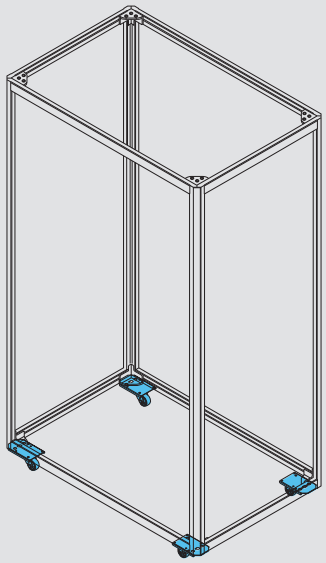
2 Cabinets



3 Cabinets



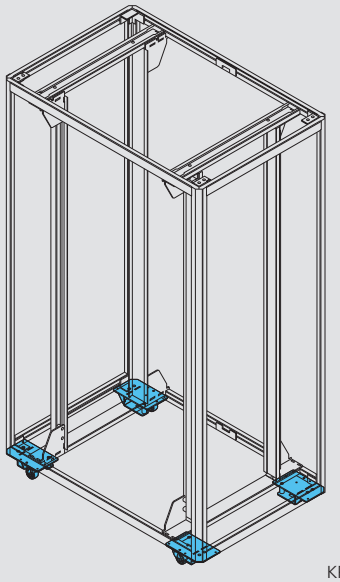
All dimensions are in mm unless stated.



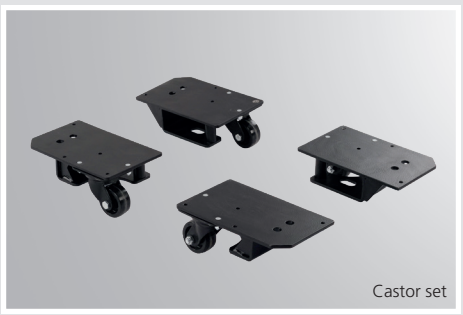
KP BT 01



Castor set



KP BT 02



Castor set

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

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

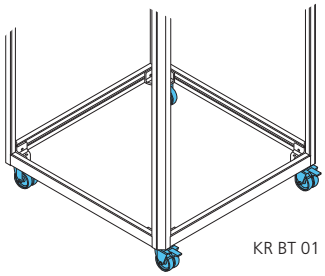
*CC: Color, BK: RAL 9005 Black WH: RAL 9003 White
**CC: Please contact to sales for different color alternatives.
*** Please refer to page 110 for part number details



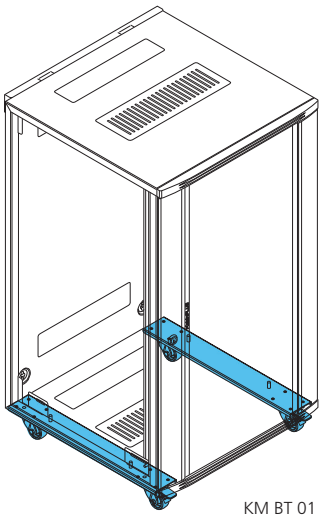
Standard



With Brake



KR BT 01



KM BT 01



KM BT 01

Levelling Feet

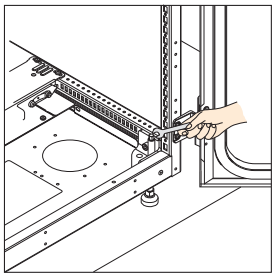
Levelling feet are used to level the cabinets on uneven surfaces.

- Adjustable from inside and outside

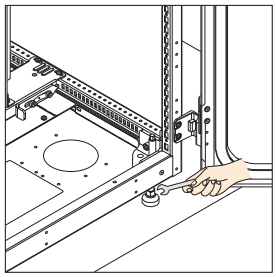
Material : Steel
Finish : Galvanized
Standard Delivery : 1 pcs Leveling Feet set

Part No	Description
KP BF 01	Levelling Feet, 4 pcs

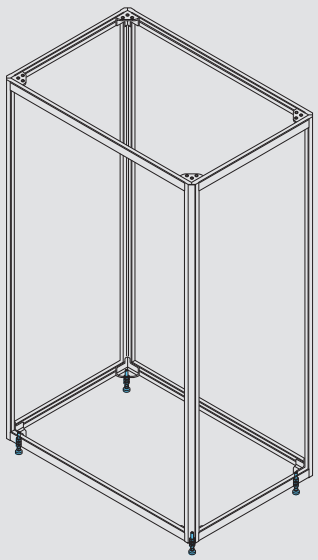
*** Please refer to page 110 for part number details



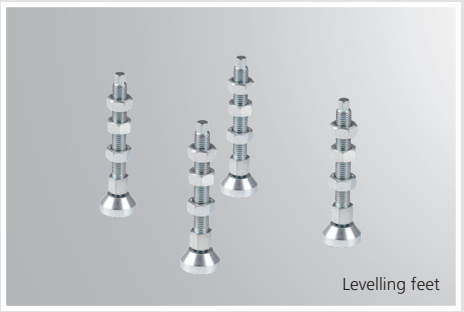
Adjustment from inside



Adjustment from outside



KP BF 01



Levelling feet

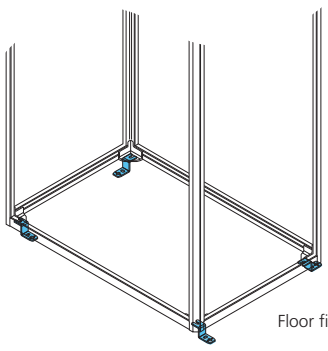
Floor Fixing Kit and Bracket Set

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

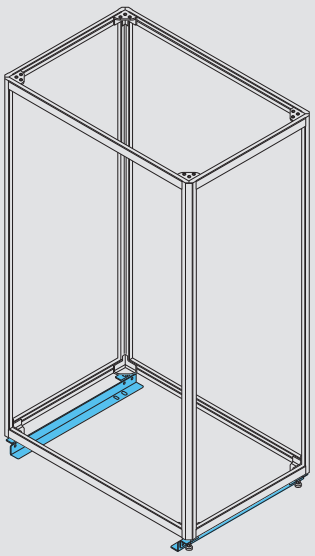


Floor fixing bracket set





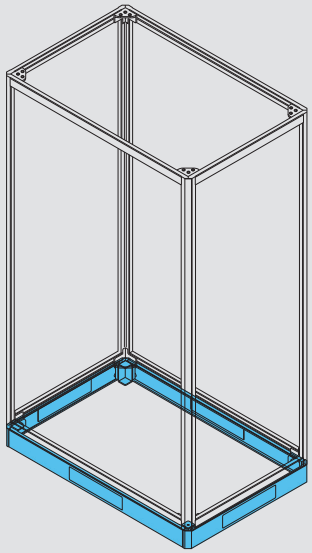
KP FL 01



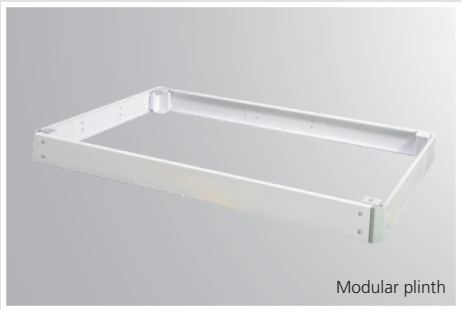
KD FL



Floor fixing kit



KP BP



Modular plinth

Modular Plinth

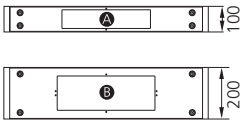
Modular plinths are used to fix cabinets onto the floor.

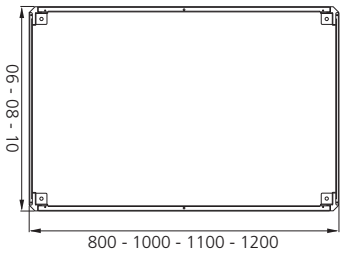
- Provides flexibility in cabling thanks to its modular structure
- Knockouts for attaching cable entry module

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

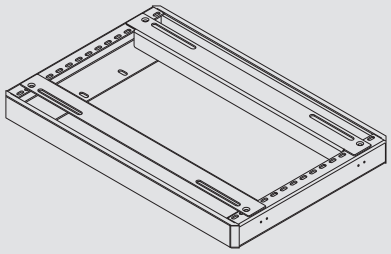
Monoblock plinths can be used to fix seismic cabinets onto the floor.

- 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

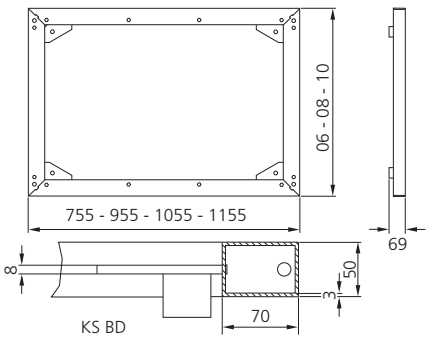
*WW: Width
*DD: Depth
*CC: Color, BK: RAL 9005 Black WH: RAL 9003 White
**CC: Please contact to sales for different color alternatives.
*** Please refer to page 110 for part number details

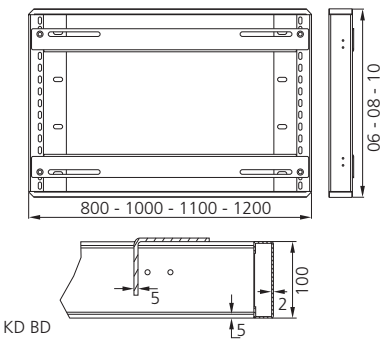


KD BD



Monoblock seismic plinth





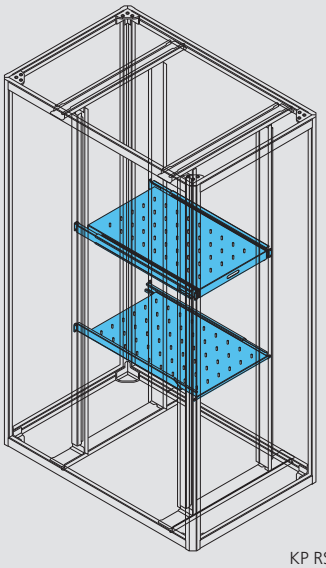
19 Inch Shelf

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

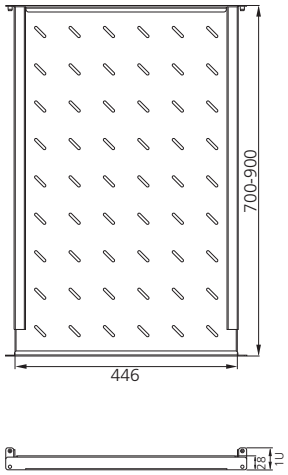
*CC: Color, BK: RAL 9005 Black WH: RAL 9003 White
**CC: Please contact to sales for different color alternatives.
*** Please refer to page 110 for part number details



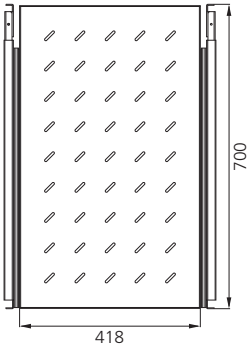
KP RS / KP RH

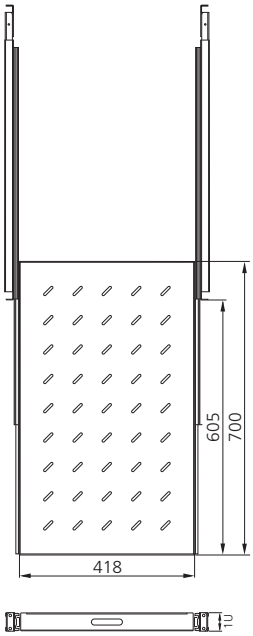


19 Inch shelf

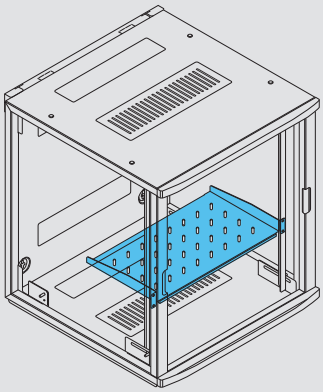


4 Points Connection fixed shelf

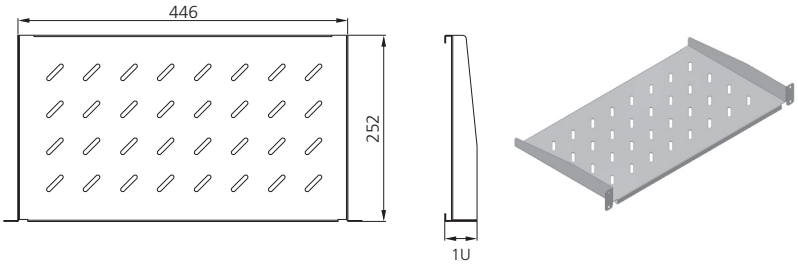




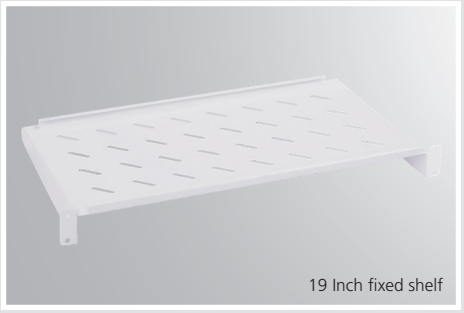
Sliding shelf



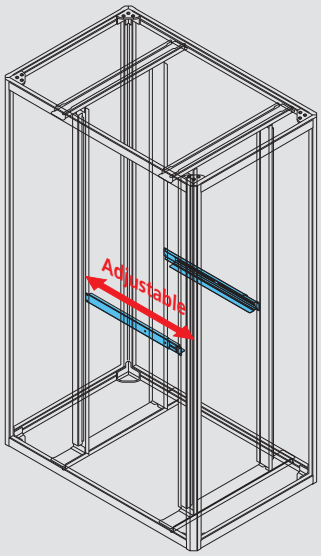
KP RS



2 Points Connection fixed shelf



19 Inch fixed shelf



KP RL



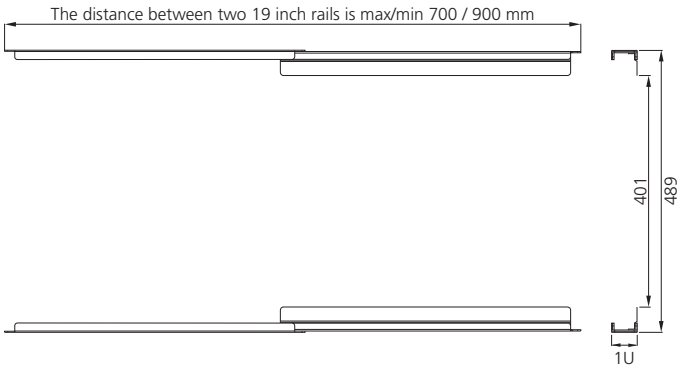
L Support Rail

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

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



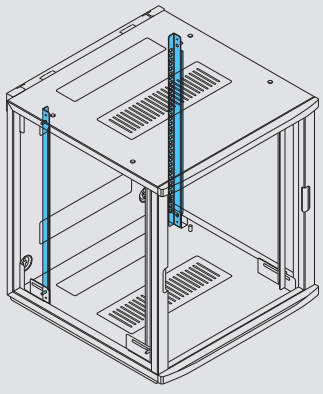
Wall-Mount Cabinet 19 Inch Mounting Rails

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

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



KM MS



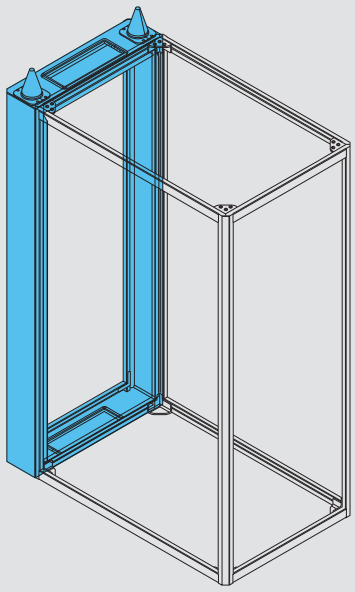
Cabinet Extention Module

Cabinet extention 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 extention module
1 pcs Fixing kit

Part No	Description	Height (mm)	Width (mm)	Depth (mm)
KP EM HH WW CC	Cabinet Extention 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 extention module

Cabinet Labelling Set

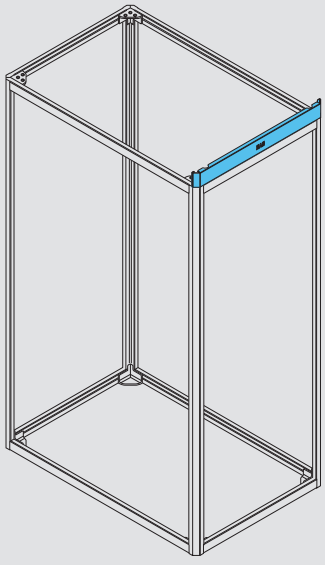
Cabinet labelling set can be used for identification purposes or for better esthetic outlook.
- Ability to apply custom logo

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

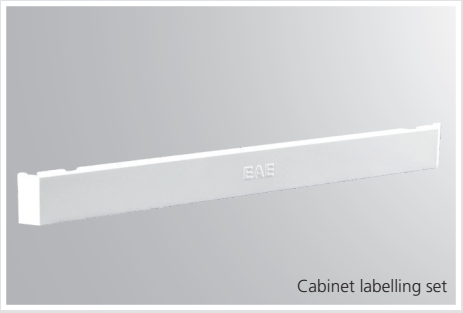
Part No	Description	Width (mm)
KP KA WW CC	Cabinet Labelling Set	300, 600, 800, 1000

*WW: Widt
*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

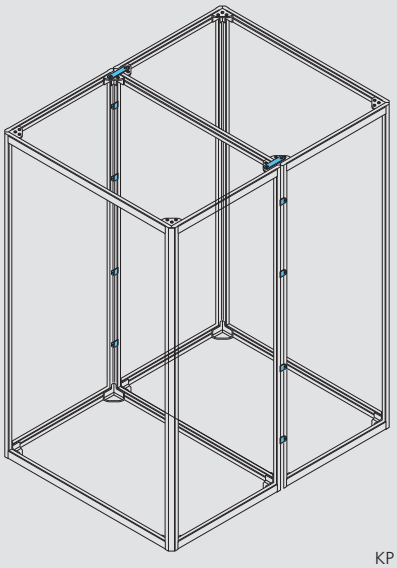




KP KA



Cabinet labelling set



KP KB 01



Cabinet baying Kit / front - rear

Cabinet Baying Kit

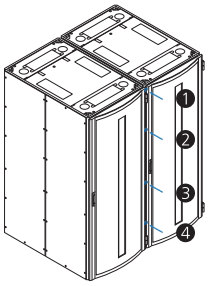
Cabinet baying kit is used to join cabinets at 8 points side by side.

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

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

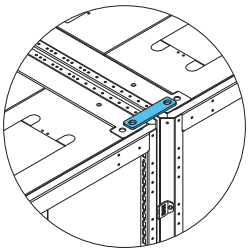
Part No	Description
KP KB 01	Cabinet Baying Kit, Front - Rear
KP KB 02	Cabinet Baying Kit, Top

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





Cabinet Baying Kit / Top



KP KB 02

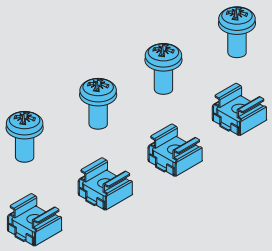
Cage Nuts Set

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

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



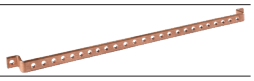
KP KF



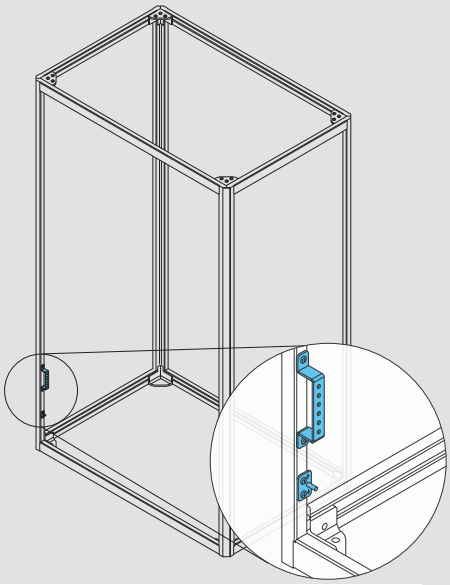
Cage nuts set

Grounding

Depending on technical requirements different grounding accessories can be selected.

Part No	Description	
KP GK 01	Grouding Terminal Point, 1 way	
KP GK 02	Grouding Terminal Point, Dual	
KP GK 03	Grouding Terminal Point, 16 mm2 Grouding 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





ESD wrislet kit

Fan Module

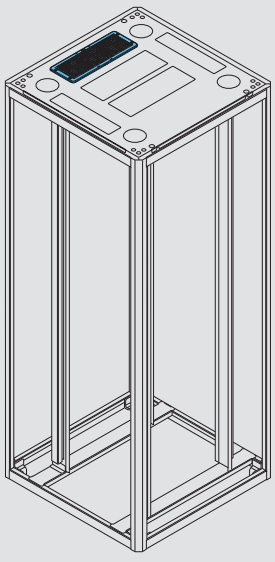
Fan modules can be used to exhaust hot air from the cabinet.

Material : Halojen-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



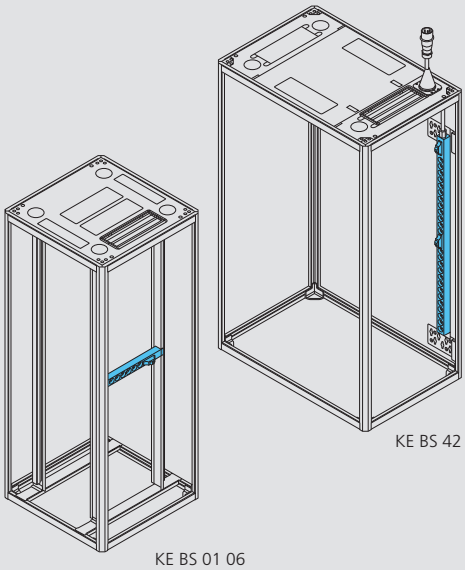
Fan module with thermostat



KP FM 12



KP FM 25



KE BS 42

KE BS 01 06



19 Inch basic PDU

Basic PDU

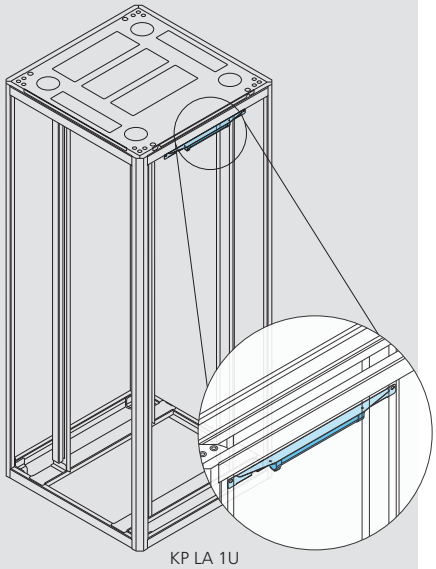
Basic power distribution unit supplies power to active equipments inside the cabinet.

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



KP LA 1U



19 Inch lighting fixture

19 Inch Lighting Fixture

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

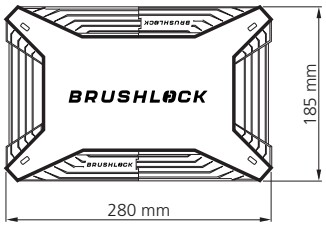
Standard Delivery : 1 pcs 19 Inch Lighting Fixture
1 pcs Fixing kit

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

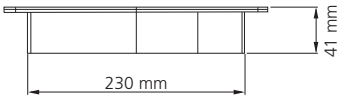
Brushlock Cable Entry Accessories

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

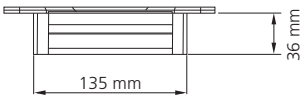
Top View



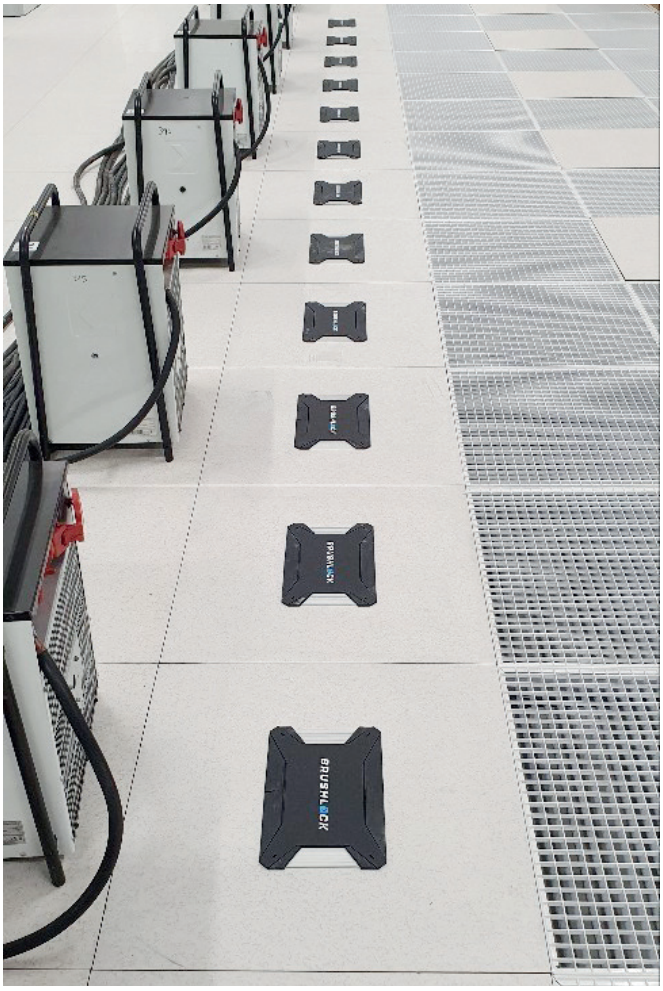
Side View

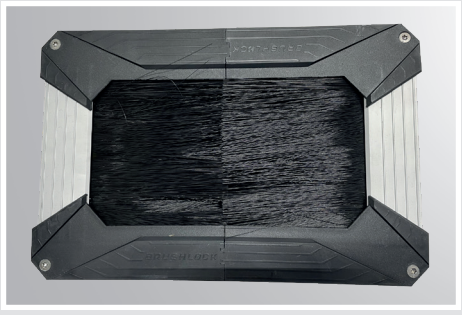


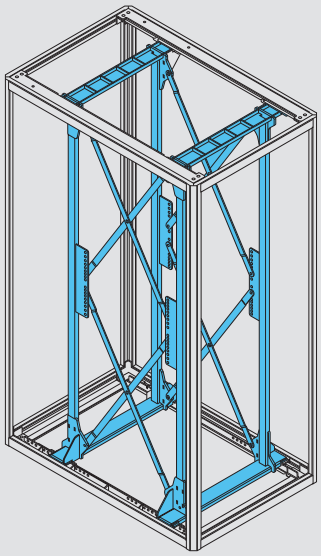
Front View











KS MS



KS 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

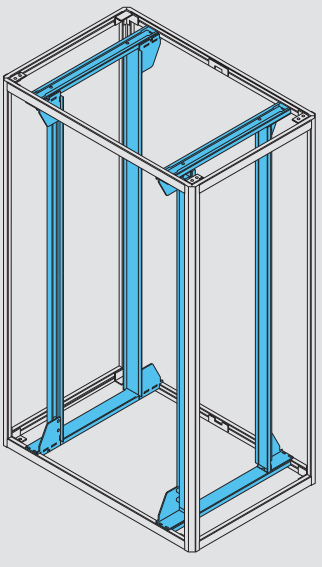
Material : Galvanized sheet steel
Finish : Painted
Standard Delivery : 1 set 19 inch Mounting set
1 pcs Fixing Kit

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 complience to following standards

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



KD MS



KD 19 Inch seismic mounting set

KD Serisi 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 complience to following standards

- IEC / EN 61587-2

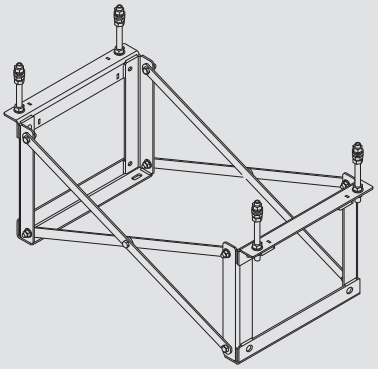
Seismic Base Stand

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

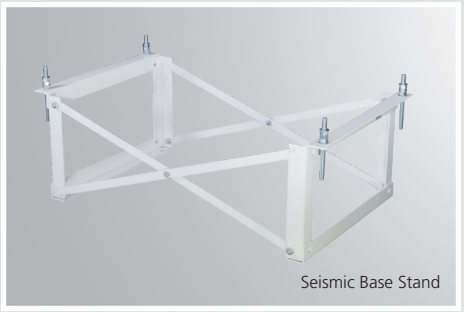
Material : Steel / Hot dip galvanized
Finish : Painted
Standard Delivery : 1 set Seismic base stand
1 pcs Fixing kit

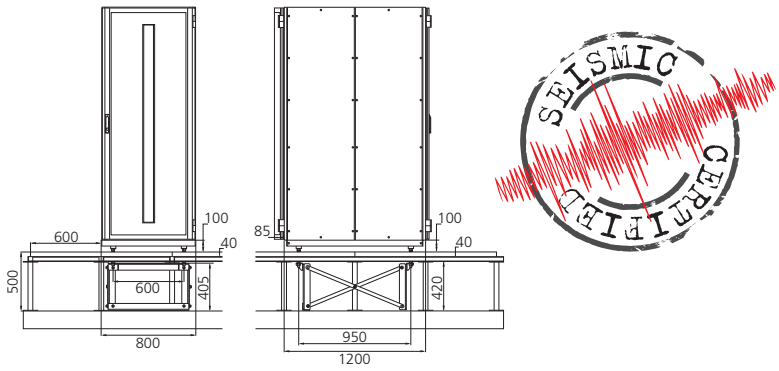
Part No	Description	Height (mm)	Width (mm)	Depth (mm)
KS SS HH DD WW CC	Seismic Base Stand	500, 1000	600, 800 1000	800, 1000 1100, 1200

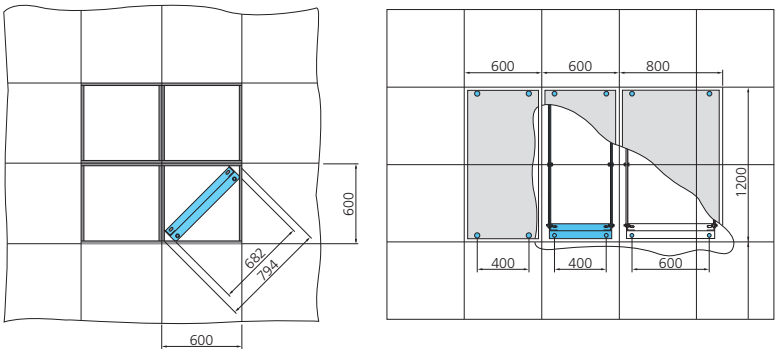
*HH: Height
*WW: Width
*DD: Depth
*CC: Color, BK: RAL 9005 Black WH: RAL 9003 White
**CC: Please contact to sales for different color alternatives.
*** Please refer to page 110 for part number details



KS SS





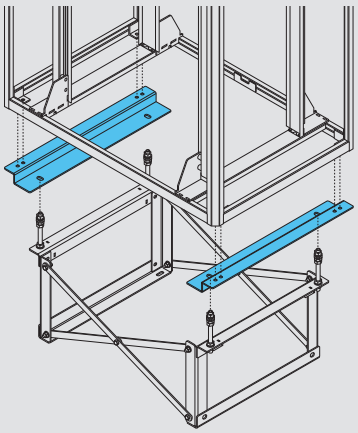


KD Series Seismic Base Stand Adapter

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

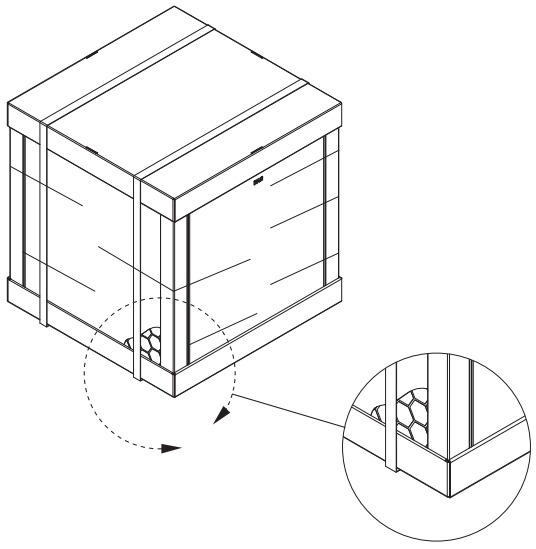




1. Front / back protection cardboard
2. Product specific transport pallet
3. Packing strip
4. Stretch film protection



Wall-mount Type Cabinet Packaging

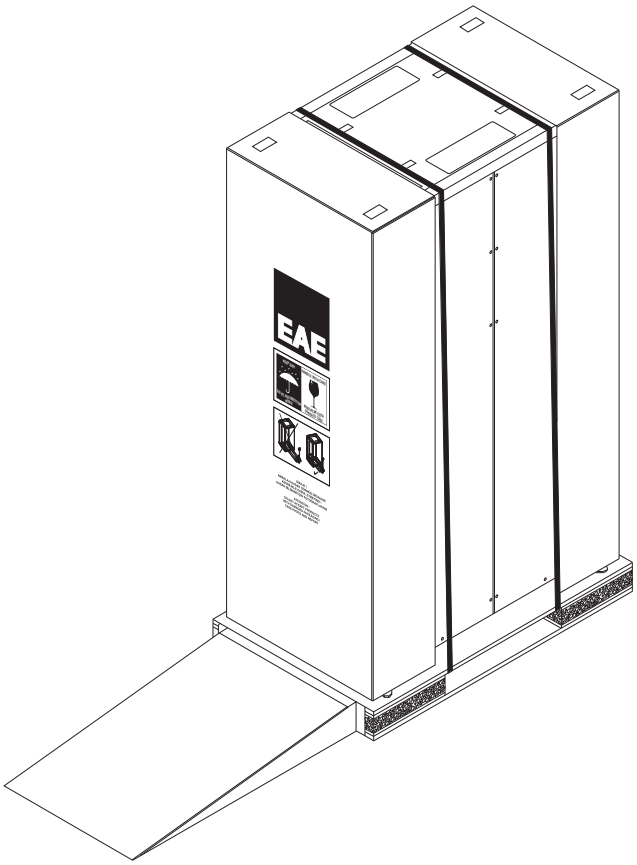


1. Top / bottom protection cardboard
2. Corner cardboard protection
3. Honeycomb panel protection
4. Packing strip
5. Stretch film protection

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.

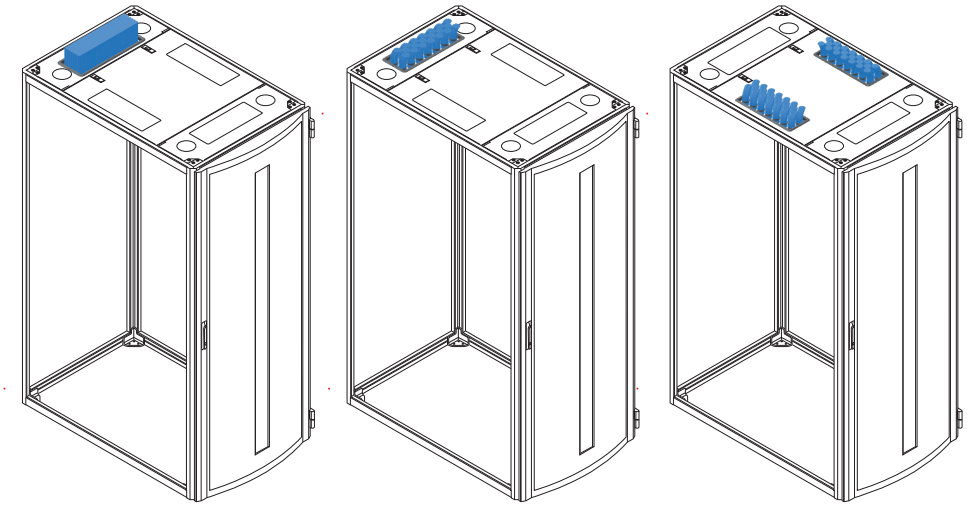


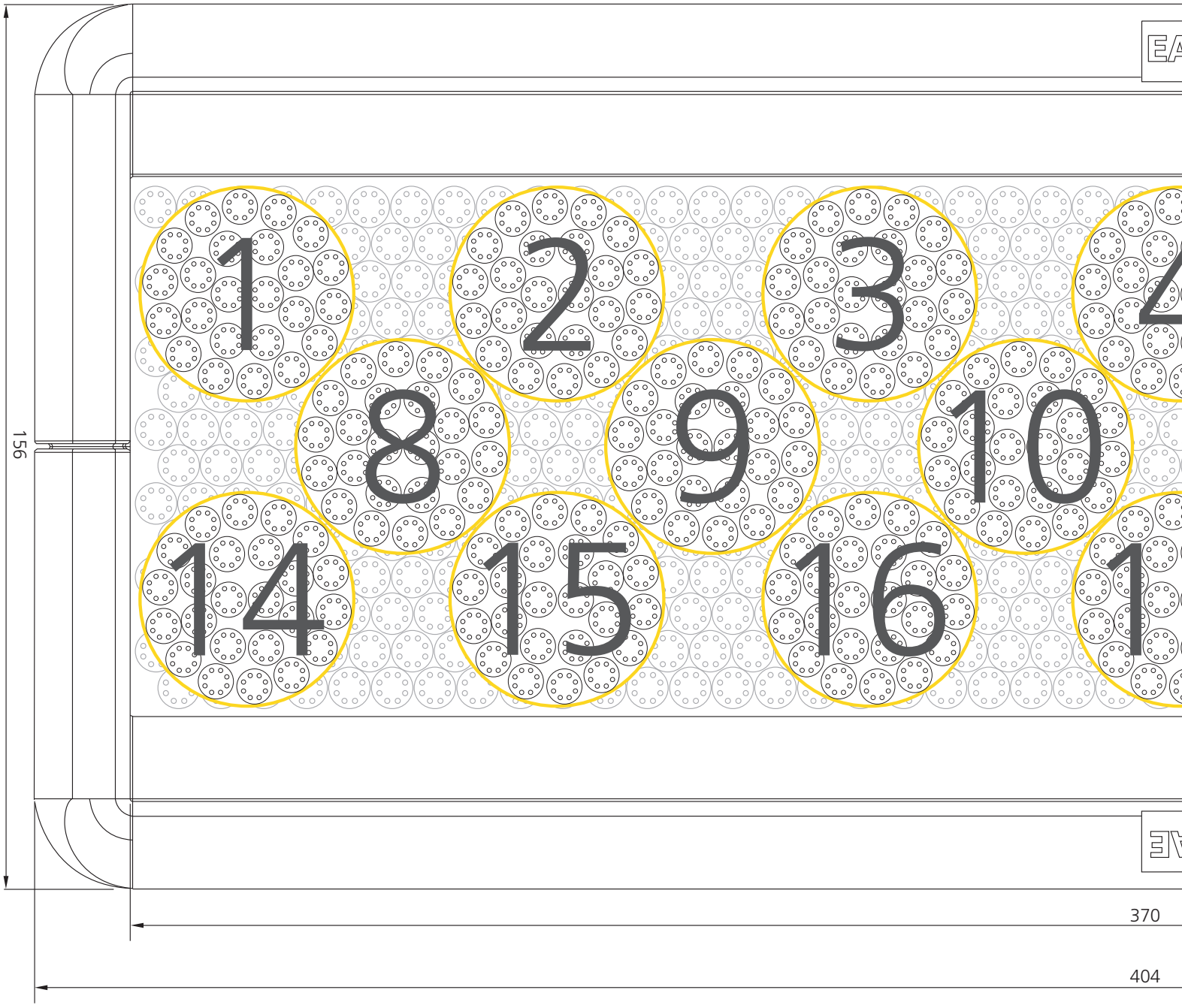


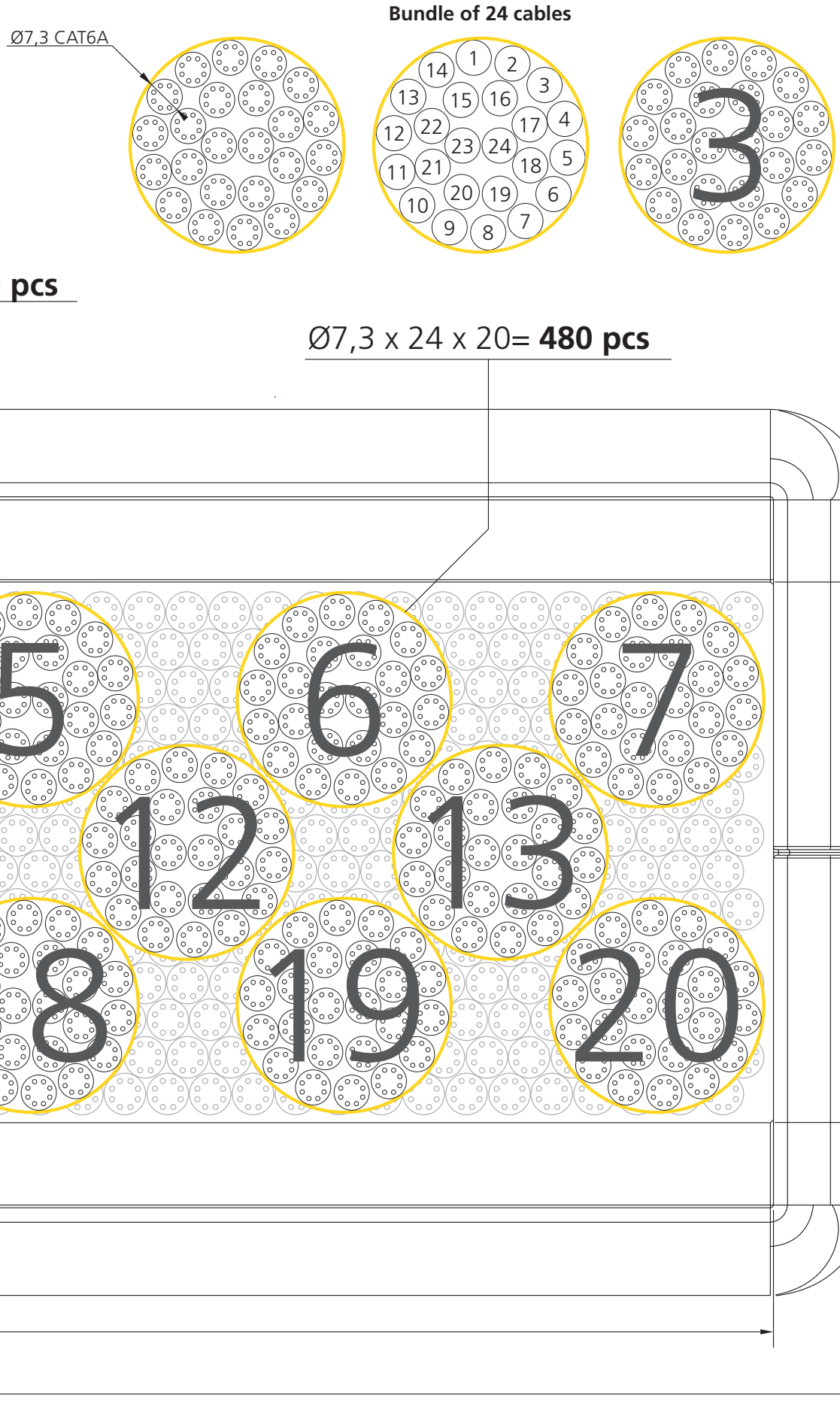
Technical Drawings

Cable Entry Module

1:1 ACTUAL DIMENSION





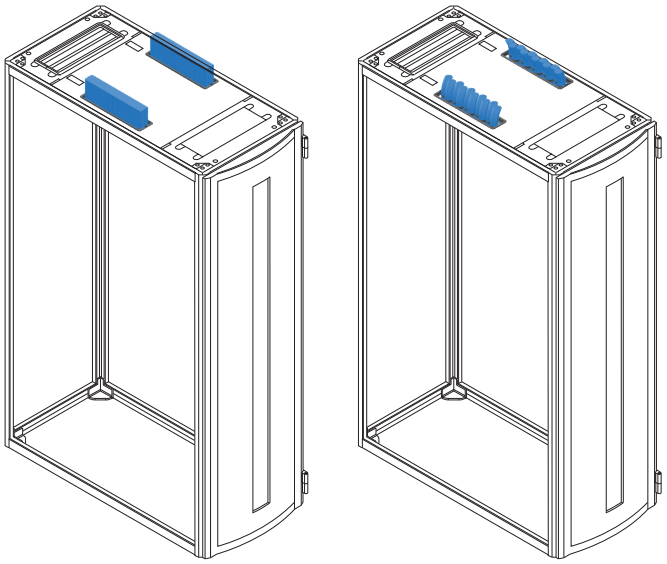


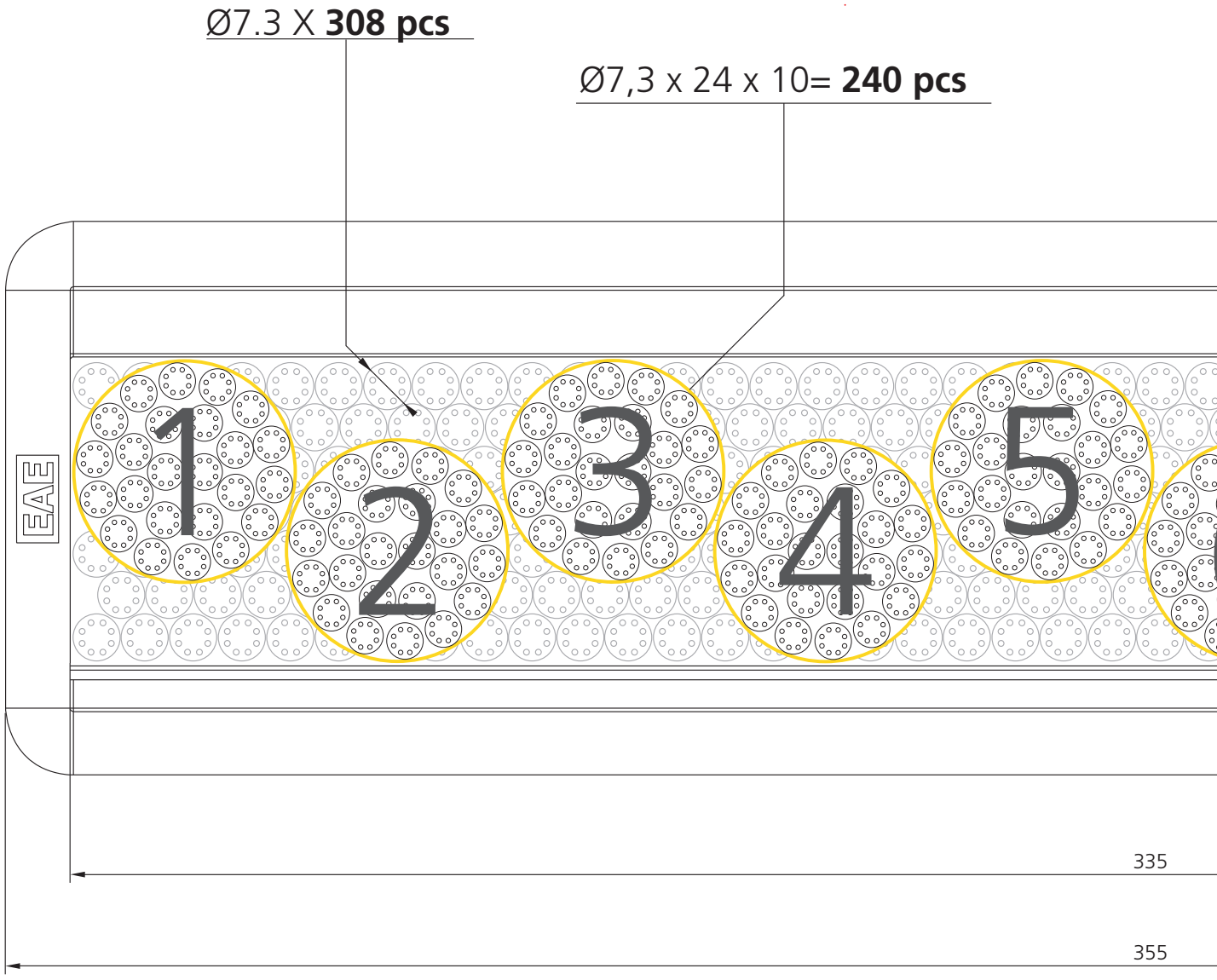
All dimensions are in mm unless stated.

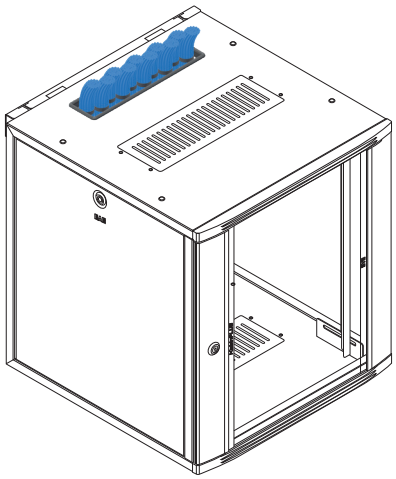
Technical Drawings

Cable Entry Module

1:1 ACTUAL DIMENSION

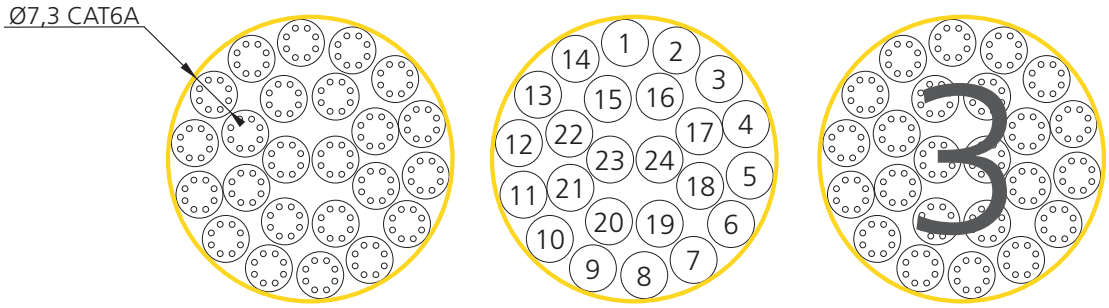


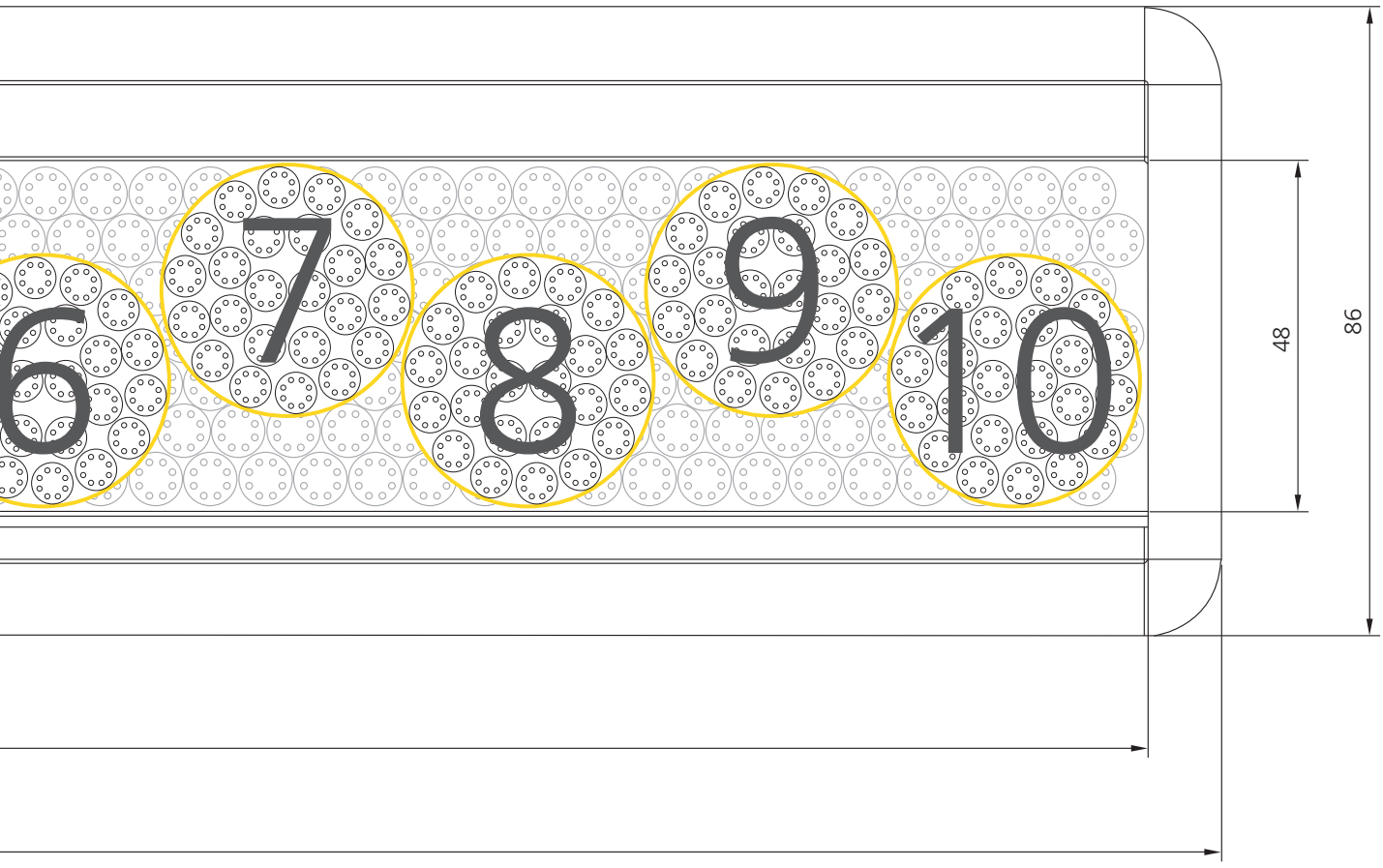






Bundle of 24 cables

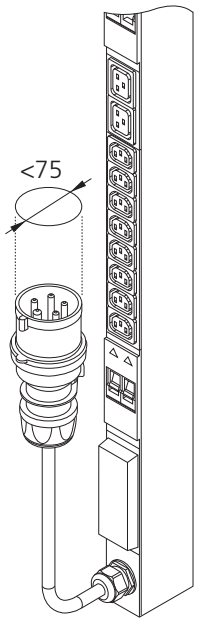




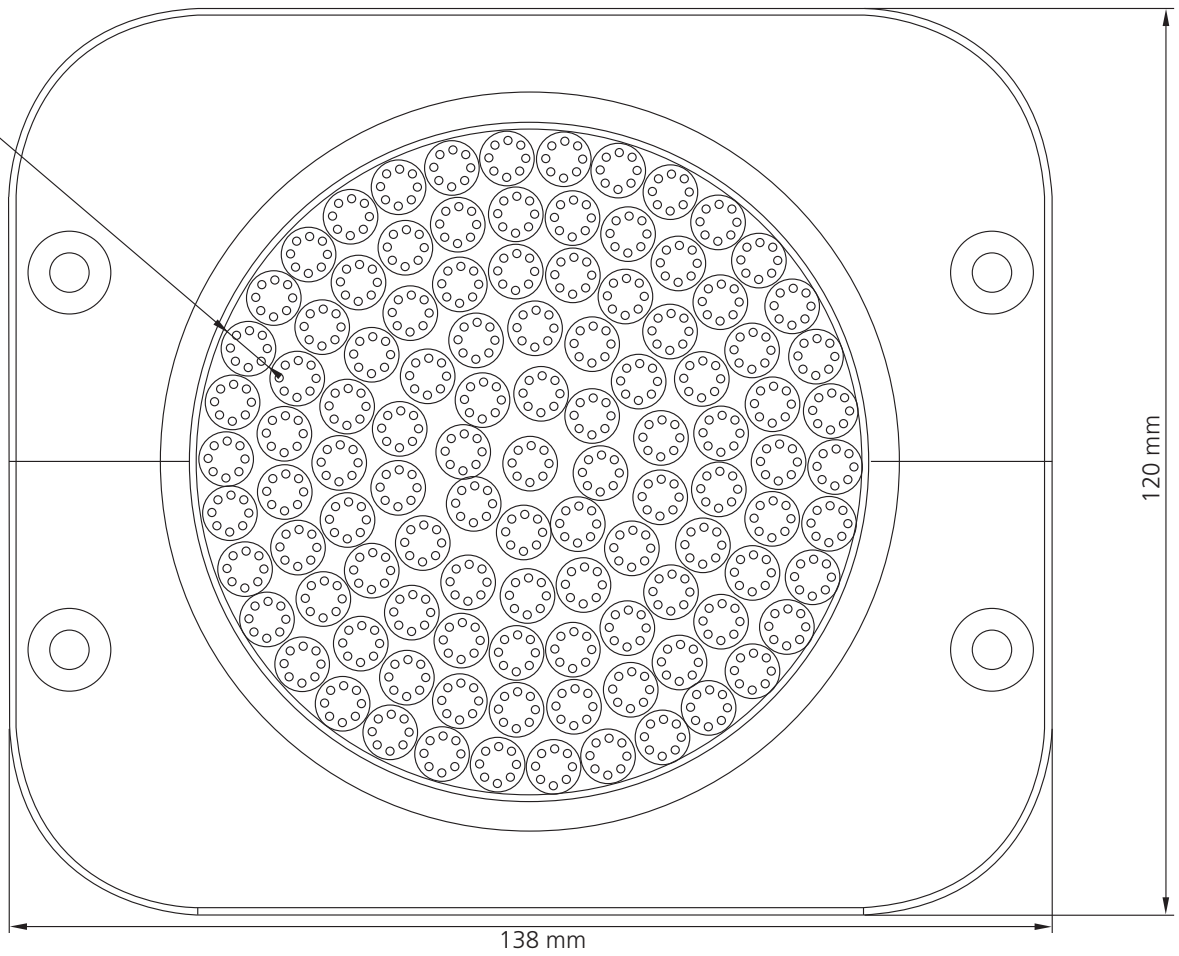
All dimensions are in mm unless stated.

Technical Drawings

1:1 ACTUAL DIMENSION



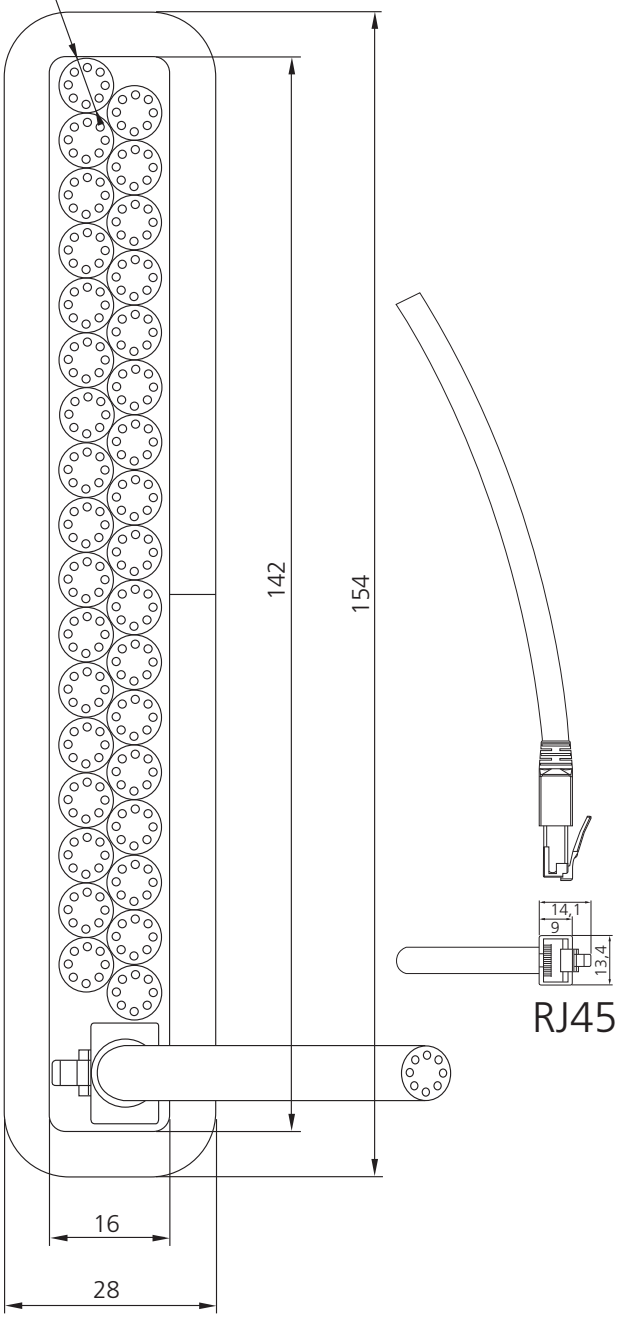
Ø7.3 X **105 pcs**
CAT6A



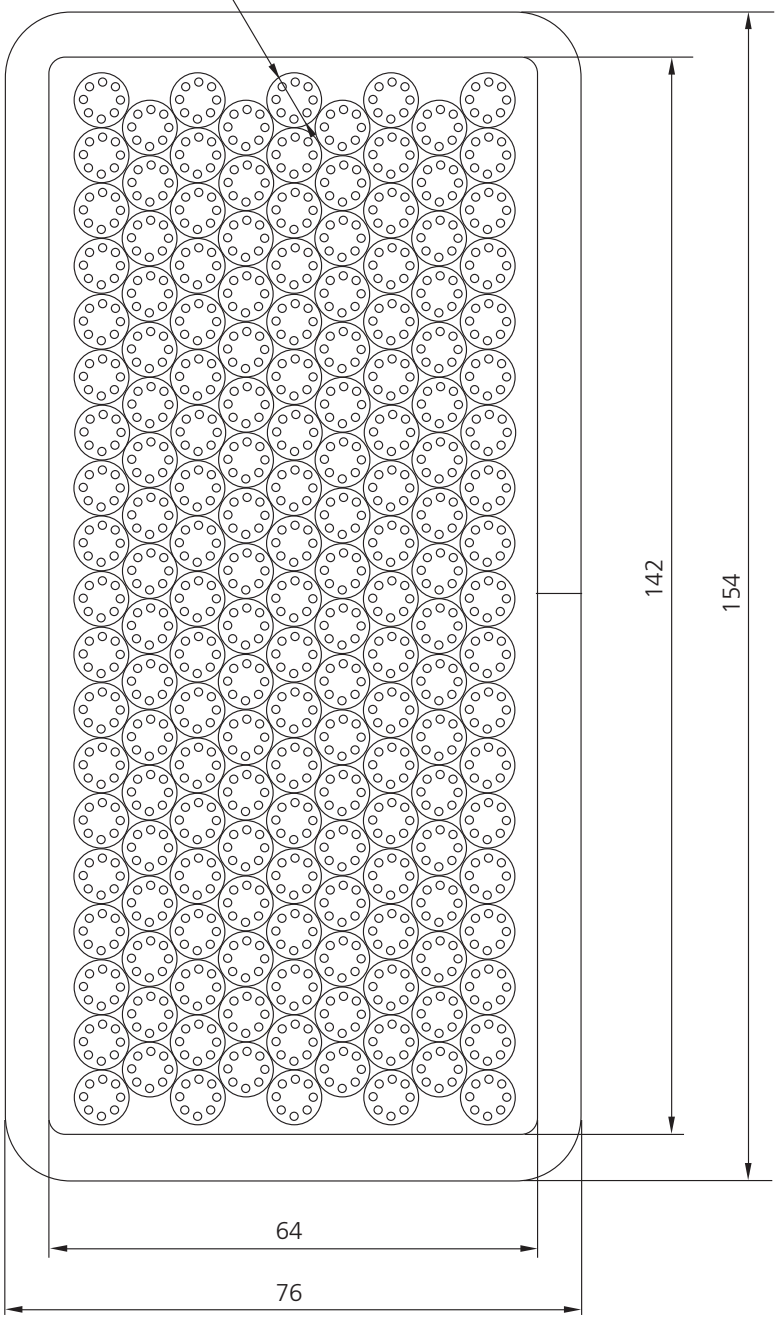
Colocation Cabinet Cable Troughs

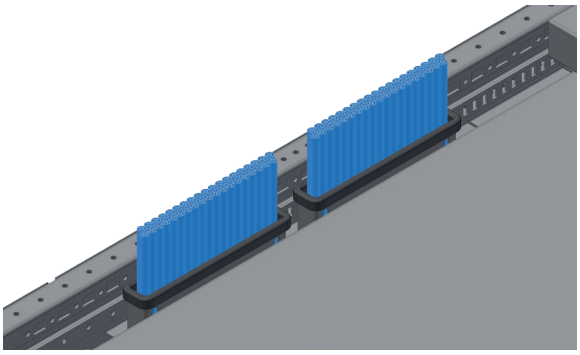
1:1 ACTUAL DIMENSION

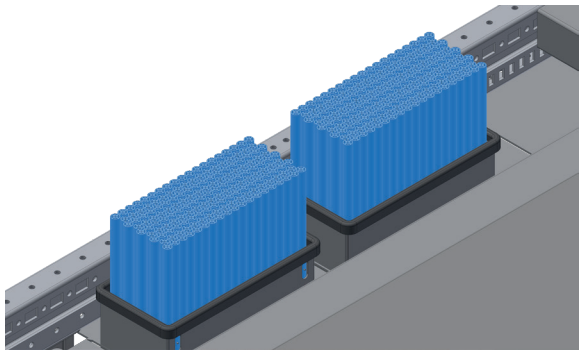
Ø7.3 X **38 pcs**
CAT6A



Ø7.3 X **167 pcs**
CAT6A



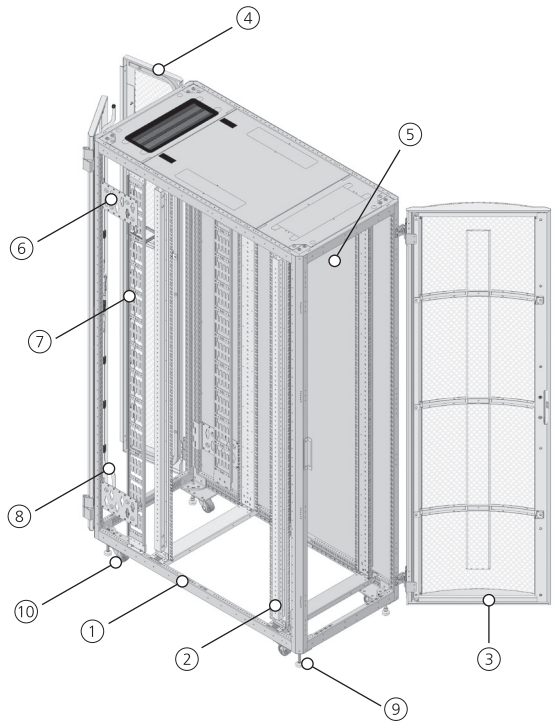




All dimensions are in mm unless stated.

Standard Configuration

42U 600 x 1200 Server Cabinet

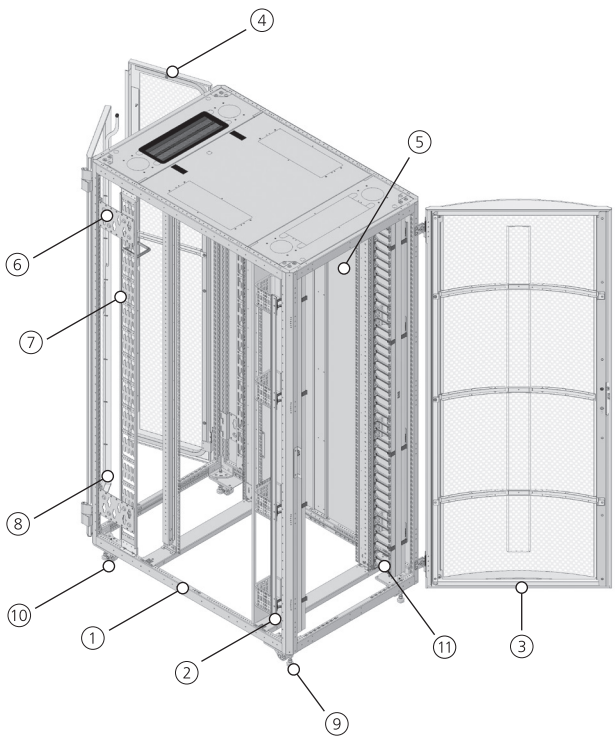


42U 06 12 Server Cabinet Content

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

42U 800 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)

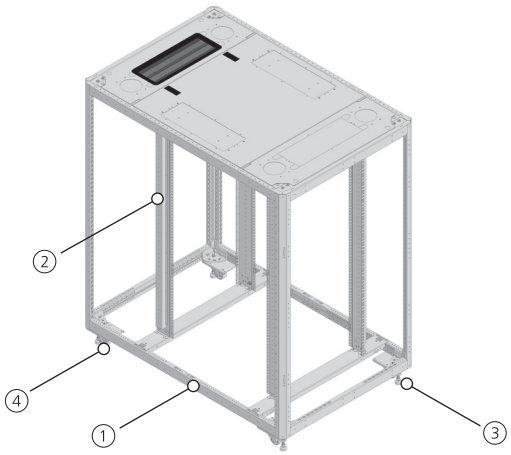
42U 08 12 Framework Cabinet Content

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)

Above configurated 42U 06 12 Framework Cabinet's apporximate weight is 71 kg.

Above configurated 42U 08 12 Framework Cabinet's apporximate weight is 76 kg.

26U 600 x 1200 Framework Cabinet



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)

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 configurated 26U 06 12 Framework Cabinet's apporximate weight is 46 kg.

Above configurated 26U 08 12 Framework Cabinet's apporximate 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
-

EXAMPLE	K	D	B	F	4	2	U	0	8	1	2	–	–	–	B	K

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

CABLE MANAGEMENT	
CD	Front-to-rear Cable Duct
CH	Hotizontal 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	Cable Management Units
CC	
CS	
LT	
CZ	Overhead Rack
CG	Cable Grommets

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

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

AISLE CONTAINMENT	
AS	Cabinet Floor Gasket
AG	Cabinet Floor Cover
AD	
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

TİP	
---	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



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