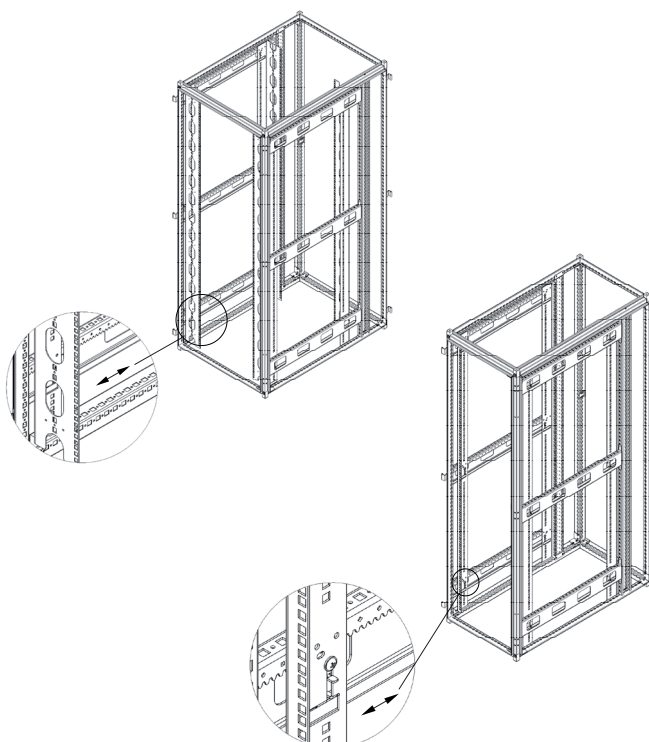# DCMax

CABINETS

As we have seen in previous pages, cooling and power management is very important in Data Center projects. But you need to build a good house for your active and passive equipments.

Cabinet is one of the important structure of housing. To fix your equipments and to manage the cabling well organized, Estap provides a wide variety of cabinets and accessories.

FEATURE OF CABINETS

- IP20 protection level for cooling performance.
- %80 perforated front/rear doors for best air circulation.
- Easy move 19" rails while loaded.
- Curved door for free space for front cabling.
- Heavy duty structure, 1500kg load carrying capacity.
- Wide Range of cabinet sizes and accessories.
  Dimensions:
  42/47U 600 or 800x1000/1100/1200 mm
- Ready for cold / hot corridor containment.
- Ample variety of accessories.
- Maximum inner space for servers.
- Professional cable management on top, bottom and inner of cabinet.
- Compatibility with all vendors' servers.
- High technical performance; grounding continuity.
- Aesthetic and professional view.
- Overhead cable trays separate electrical and data cables.
- 2 and 4 section Co-Location cabinets.
- By using cable rings, airflow is improved, installation time and cost is reduced. It creates space savings and flexibility inside the cabinet.
- Passed Belcore Zone 4 earthquake test with 1000kg. load.
- With special design of side frames, you can move the 19" mounting rails while equipments loaded.
- Simply the raceway for cables are created by fixing cable rings on all profiles in front and rear part of the cabinets.
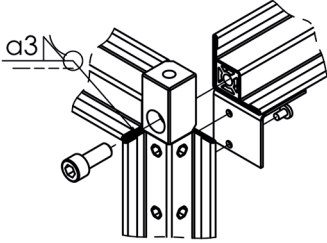
DCMax

MAIN STRUCTURE

Closed Form Frame Structure:
Produced from DKP sheetmetal with a special technique to have a strong frame.
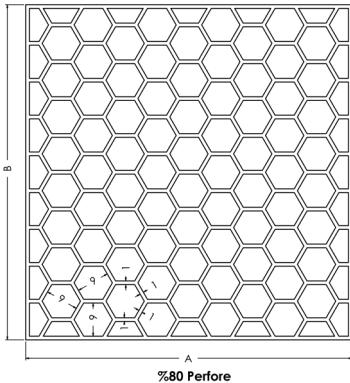

FRONT DOOR
Structure:
• Produced from DKP sheet metal.
• The curved door has %80 perforations to have a good air flow.
• Provides enough space for patch cords between door and equipment.
• Can open 130°.
Locking Mechanism:
3 point lock, handle with semi cylindirical barrel of EMKA.
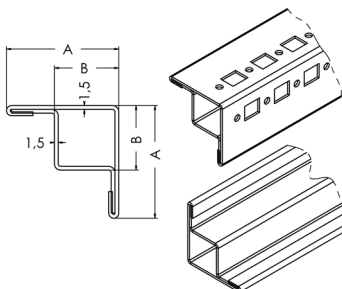Hinge System:
3 pcs Zinc alloy Steel to fix the door.

%80 Perfore

SIDE PANEL
Structure:
• Produced from DKP sheet metal.
• Thickness is 1,5mm.
• Fixed to cabinet from 8 point by screw.
• 2 pcs in one side.

REAR ROOF

Structure:
• Produced from DKP sheet metal.
• The flat door has %80 perforations to have a good air flow.
• Can open 130°

Locking Mechanism:
3 point lock, handle with semi cylindirical
barrel of EMKA.
Hinge System:
3 pcs Zinc alloy Steel to fix the door.

ROOF

Structure:
• Produced from DKP sheet metal.
• Suitable to fan fixing.
• Cable Entry Alternatives
• High cable entry possibility.
• Brush type cable entries.
• Sliding cover cable entries.
• Cable Manager Bag option.

ENVIRONMENT:
EN61587-1/4.2, IEC60068-2-1, IEC60068-2-2, IEC60068-2-30, IEC60917 ve IEC60297
Industrial Enviroment:
EN61587-1/4.3, IEC60068-2-42, IEC60068-2-43 and IEC60068-2-49, IEC60068-2-1, IEC60917 ve IEC60297
Static Mechanical Loding Test:
EN61587-1 / 5.2.1, IEC60917 and IEC60297
Static Mechanical Structure:
EN61587-1 / 5.2.2, IEC60917 ve IEC60297
Dynamic Load, Vibration and Mechanic:
EN61587-1 / 5.3.1, EN61587-1 / 5.3.3, IEC60917, IEC60297, IEC62208
Earthing:
EN61587-1 / 6.2, IEC60917 ve IEC60297
Fire Resistance:
EN61587-1 / 6.3, IEC60917 and IEC60297
Corossion:
ISO9227 and ASTM B 117-85, IEC60917 and IEC60297
IP Protection Level:
IP20 regarding to EN61587-1 / 6.4, IEC60529, IEC60917 and IEC60297
Carrying:
ETS300019-1-2 Class2.3
Loading:
ETS300019-1-1 Class1.2
Security:
EN60950_LVD
Loading Capacity:
1500 kg static load. Passed earthquake test with 1000kg.
(BELLCORE GR-63-CORE ZONE 4, NEBS requirements).

PURCHASED PRODUCT CERTIFICATES:
Sheet Metal:
ISO 9001, DIN EN 10130 – 99 Ereğli DC- 01 6112, RoHS
Electrostatic Dry Paint:
ISO 9001, ISO 2178, ISO 2813, ISO 6272, ISO 8130-5, ISO 8130-3, RoHS, Reach, ISO 8130-1, ISO 8130, ISO 1519, ISO 1520, ISO 2815, ISO 2409
Fan:
ISO 9001, CE (89/336/EEC EMC, 73/23/EEC LVD), RoHS
Glass:
ISO 9001, EN 12150 – 1 : 2000 (tempered/security glass)
Fixing units (screw, washer, nut, etc):
DIN 7985, DIN 965, DIN 7981, DIN 934, DIN 985, DIN 933, RoHS
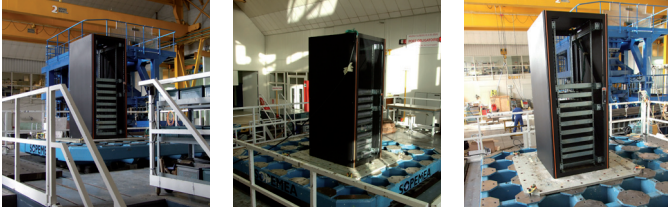**Castors:** ISO 9001, TS EN 12530, TS EN 12532, RoHS
Locking Systems: DIN 1743, DIN 53571, RoHS

DCMax

SEISMIC TEST REPORT

Bellcore Seismic Test shows us, the cabinet is how durable against vibration and movement.

BELLCORE GR-63-CORE zone 4 (NEBS requirements) TEST HAS BEEN PASSED WITH 1000kg!

3.6.1 resonance frequency search

Date	Axis	Program	Duration	Graph No	Comments
21/01/10	Z	A	6 min.	1 to 14	Nothing to report
21/01/10	X	A	6 min.	15 to 28	Nothing to report
21/01/10	Y	A	6 min.	29 to 42	Nothing to report

3.6.2 earthquake resistance test

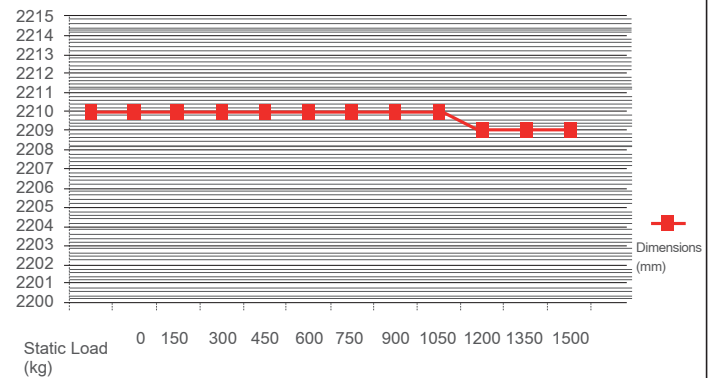| Date	Axis	Program	Duration	Graph No	Comments
22/01/10	Z	B	30 s	A 43 to 68	Nothing to report. No damage was observed on each tested part.
22/01/10	X	B	30 s	B 69 to 94	Nothing to report. No damage was observed on each tested part.
22/01/10	Y	B	30 s	C 95 to 120	Remark: during test, opening of the front mesh door and the rear mesh door. See video. Deformation of the front mesh door of the cabinet. Deformation of the rear mesh door closing linage. It is noted deformations inside the cabinet on recoveries of the 4 pillars. ESTAP informed SOPEMEA that door are not a relevant tested part (only for integration of cabinet for test process) Cracks on 2nd and 3rd rack. Deformation of vertical pillar on the 1st and 2nd rack. It's not broken, no cracks are detected. No deformation on the outer structure of the cabinet (out of mesh doors).

LOAD CARRYING CAPACITY TEST

1500kg Static Load to fix your equipments without any hesitation.

Diagonal Dimensions of ESTAP DCMAX Data Center Cabinet at Each Static Load

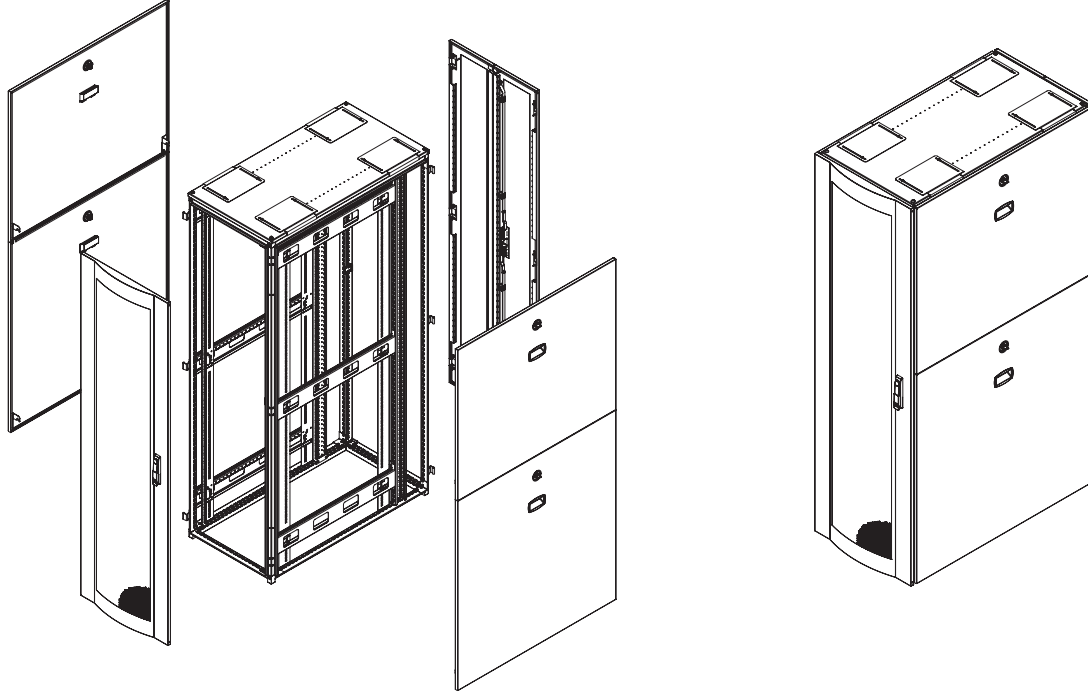Thanks to the special structure and design, Estap DcMax cabinets can carry 1500kg static load.

DCMax

TOP VIEWS

Bellcore Seismic Test shows us, the cabinet is how durable against vibration and movement.

600x1000

79 / 900 / 750 / 740 / 1000 / 19" / 600 / 32 / (Min_49) 58

600x1100

129 / 1000 / 800 / 740 / 1100 / 19" / 600 / 32 / (Min_49) 89

800x1000

79 / 900 / 750 / 740 / 1000 / 19" / 800 / 32 / (Min_49) 58

800x1100

129 / 1000 / 800 / 740 / 1100 / 19" / 800 / 32 / (Min_49) 89

600x1200

229 / 1100 / 800 / 740 / 1200 / 19" / 600 / 32 / (Min_49) 89

800x1200

229 / 1100 / 800 / 740 / 1200 / 19" / 800 / 32 / (Min_49) 89

ROOF OPTIONS

Possibility to fit Manager Bag

Possibility to fit Fan Tray

200 / 176

Cable entries

DCMax

CABINET DIMENSIONS AND PART NO - W600

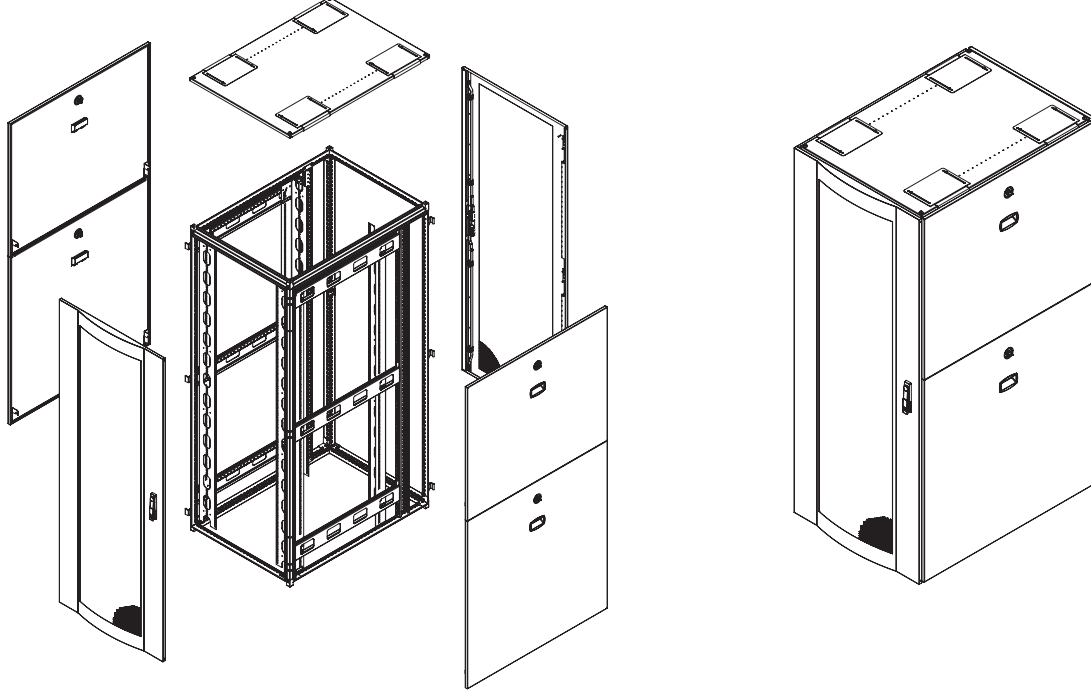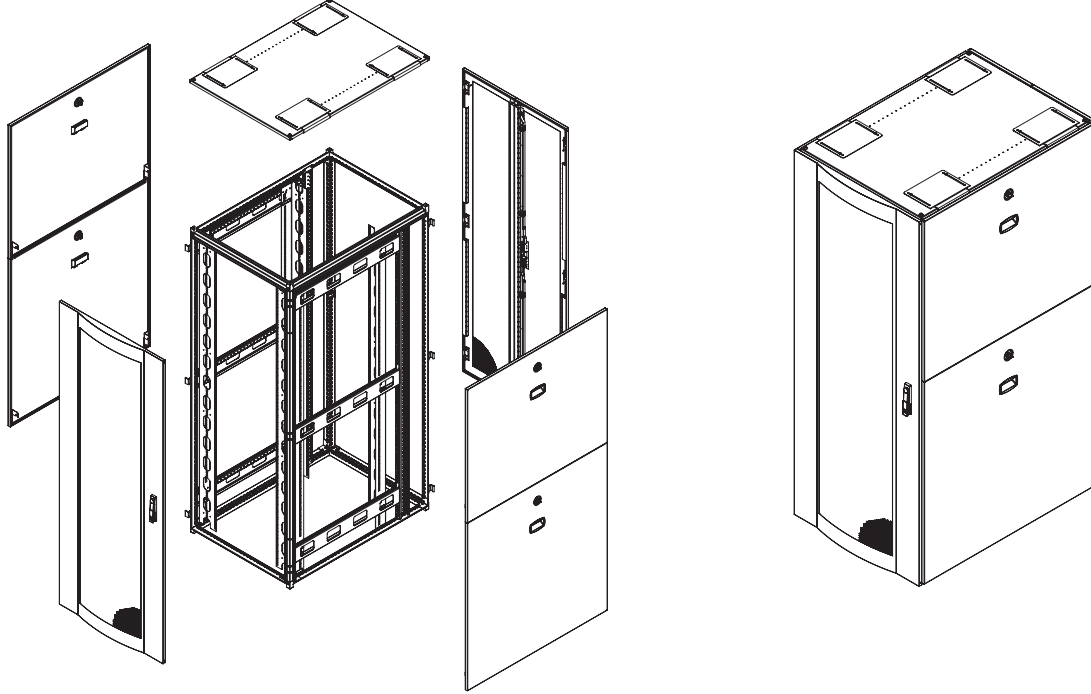Single Opening, Curved, %80 Perforated Front Door; Double Opening, %80 Perforated Rear Door.

PART NO	DESCRIPTION	DIMENSIONS W x H x D (mm)
SRVES42U61055PWPD	19" 42U, 600x1000 mm DcMAX, %80 Perforated, Single Opening Front and Double Opening Rear Doors	600x2000x1000
SRVES42U61155PWPD	19" 42U, 600x1100 mm DcMAX, %80 Perforated, Single Opening Front and Double Opening Rear Doors	600x2000x1100
SRVES42U61255PWPD	19" 42U, 600x1200 mm DcMAX, %80 Perforated, Single Opening Front and Double Opening Rear Doors	600x2000x1200
SRVES47U61055PWPD	19" 47U, 600x1000 mm DcMAX, %80 Perforated, Single Opening Front and Double Opening Rear Doors	600x2200x1000
SRVES47U61155PWPD	19" 47U, 600x1100 mm DcMAX, %80 Perforated, Single Opening Front and Double Opening Rear Doors.	600x2200x1100
SRVES47U61255PWPD	19" 47U, 600x1200 mm DcMAX, %80 Perforated, Single Opening Front and Double Opening Rear Doors	600x2200x1200

DCMax

CABINET DIMENSIONS AND PART NO - W600

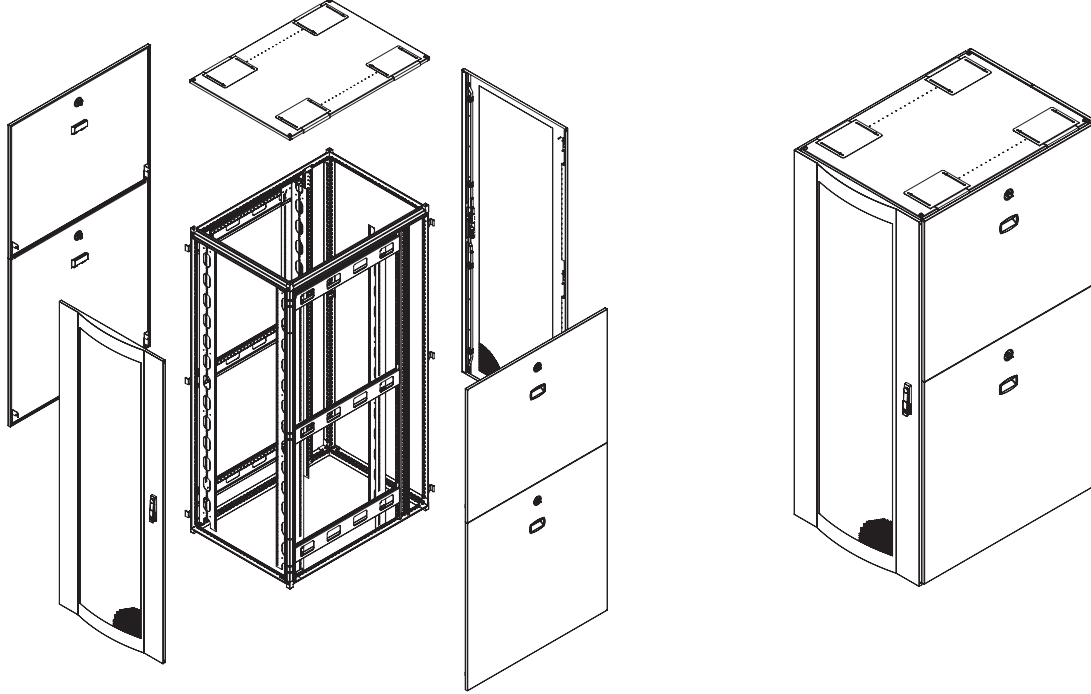Single Opening, Curved, %80 Perforated Front Door; Double Opening, %80 Perforated Rear Door.

PART NO	DESCRIPTION	DIMENSIONS W x H x D (mm)
SRVES42U61055PWP	19" 42U, 600x1000 mm DcMAX, %80 Perforated, Single Opening Front and Rear Doors.	600x2000x1000
SRVES42U61155PWP	19" 42U, 600x1100 mm DcMAX, %80 Perforated, Single Opening Front and Rear Doors.	600x2000x1100
SRVES42U61255PWP	19" 42U, 600x1200 mm DcMAX, %80 Perforated, Single Opening Front and Rear Doors.	600x2000x1200
SRVES47U61055PWP	19" 47U, 600x1000 mm DcMAX, %80 Perforated, Single Opening Front and Rear Doors.	600x2200x1000
SRVES47U61155PWP	19" 47U, 600x1100 mm DcMAX, %80 Perforated, Single Opening Front and Rear Doors.	600x2200x1100
SRVES47U61255PWP	19" 47U, 600x1200 mm DcMAX, %80 Perforated, Single Opening Front and Rear Doors.	600x2200x1200

DCMax

CABINET DIMENSIONS AND PART NO - W800

Single Opening, Curved, %80 Perforated Front Door; Double Opening, %80 Perforated Rear Door.

PART NO	DESCRIPTION	DIMENSIONS W x H x D (mm)
SRVES42U81055PWPD	19" 42U, 800x1000 mm DcMAX, %80 Perforated, Single Opening Front and Double Opening Rear Doors.	800x2000x1000
SRVES42U81155PWPD	19" 42U, 800x1100 mm DcMAX, %80 Perforated, Single Opening Front and Double Opening Rear Doors.	800x2000x1100
SRVES42U81255PWPD	19" 42U, 800x1200 mm DcMAX, %80 Perforated, Single Opening Front and Double Opening Rear Doors.	800x2000x1200
SRVES47U81055PWPD	19" 47U, 800x1000 mm DcMAX, %80 Perforated, Single Opening Fron and Double Opening Rear Doors.	800x2200x1000
SRVES47U81155PWPD	19" 47U, 800x1100 mm DcMAX, %80 Perforated, Single Opening Front and Double Opening Rear Doors.	800x2200x1100
SRVES47U81255PWPD	19" 47U, 800x1200 mm DcMAX, %80 Perforated, Single Opening Fron and Double Opening Rear Doors.	800x2200x1200

DCMax

CABINET DIMENSIONS AND PART NO - W800

Single Opening, Curved, %80 Perforated Front Door; Double Opening, %80 Perforated Rear Door.

PART NO	DESCRIPTION	DIMENSIONS W x H x D (mm)
SRVES42U81055PWP	19" 42U, 800x1000 mm DcMAX, %80 Perforated, Single Opening Front and Rear Doors.	800x2000x1000
SRVES42U81155PWP	19" 42U, 800x1100 mm DcMAX, %80 Perforated, Single Opening Front and Rear Doors.	800x2000x1100
SRVES42U81255PWP	19" 42U, 800x1200 mm DcMAX, %80 Perforated, Single Opening Front and Rear Doors.	800x2000x1200
SRVES47U81055PWP	19" 47U, 800x1000 mm DcMAX, %80 Perforated, Single Opening Front and Rear Doors.	800x2200x1000
SRVES47U81155PWP	19" 47U, 800x1100 mm DcMAX, %80 Perforated, Single Opening Front and Rear Doors.	800x2200x1100
SRVES47U81255PWP	19" 47U, 800x1200 mm DcMAX, %80 Perforated, Single Opening Front and Rear Doors.	800x2200x1200

DCMax

CABINET DIMENSIONS AND PART NO - W300

W=300 mm cabinets are designed for Estap side cooling units.
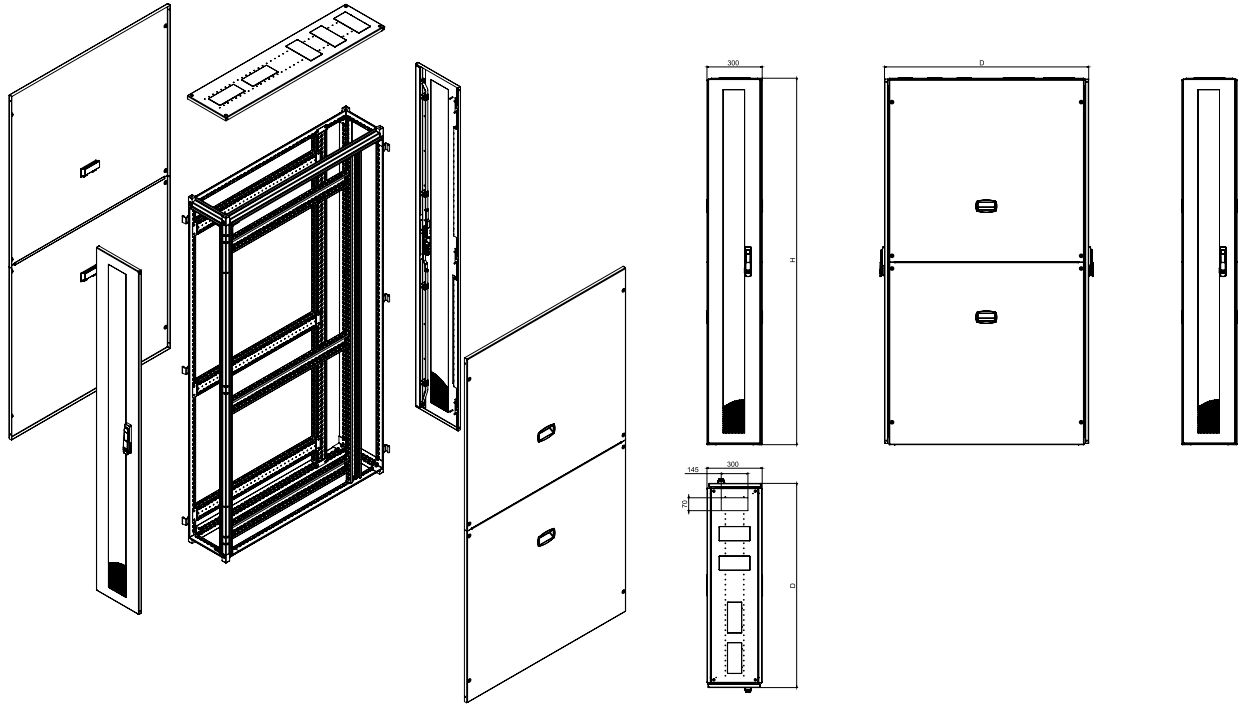
PART NO	DESCRIPTION	DIMENSIONS W x H x D (mm)
SRVES42U31055PWP	19" 42U, 300x1000 mm DcMAX, %80 Perforated, Single Opening Front and Rear Doors; Housing For Side Cooler	300x2000x1000
SRVES42U31155PWP	19" 42U, 300x1100 mm DcMAX, %80 Perforated, Single Opening Front and Rear Doors; Housing For Side Cooler	300x2000x1100
SRVES42U31255PWP	19" 42U, 300x1200 mm DcMAX, %80 Perforated, Single Opening Front and Rear Doors; Housing For Side Cooler	300x2000x1200
SRVES47U31055PWP	19" 47U, 300x1000 mm DcMAX, %80 Perforated, Single Opening Front and Rear Doors; Housing For Side Cooler	300x2200x1000
SRVES47U31155PWP	19" 47U, 300x1100 mm DcMAX, %80 Perforated, Single Opening Front and Rear Doors; Housing For Side Cooler	300x2200x1100
SRVES47U31255PWP	19" 47U, 300x1200 mm DcMAX, %80 Perforated, Single Opening Front and Rear Doors; Housing For Side Cooler	300x2200x1200

![Estap logo]
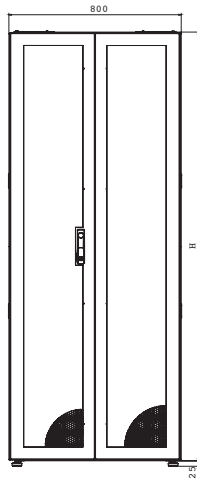
DCMax

HIGH DENSITY CABLING CABINET
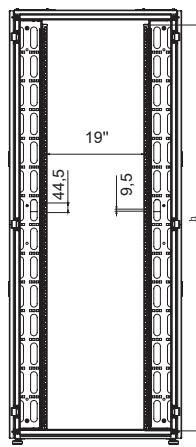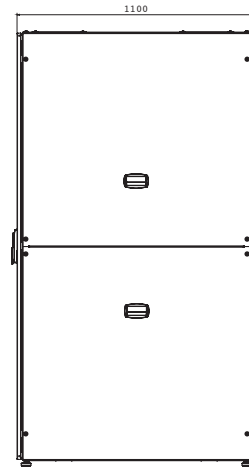
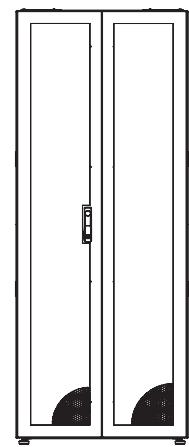Professional cabinet solution for professional cabling.
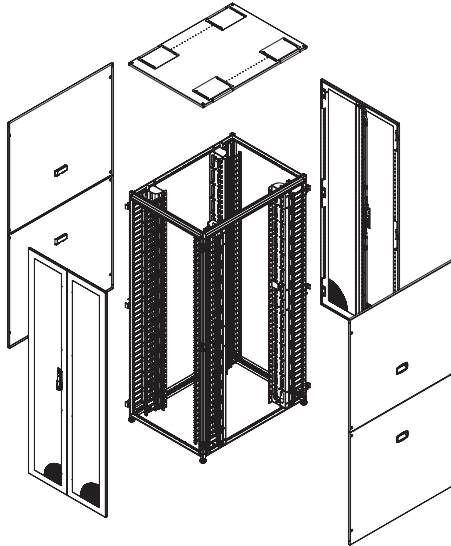
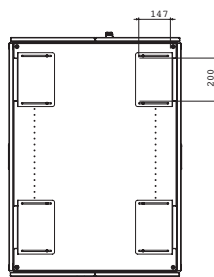

Exploded View
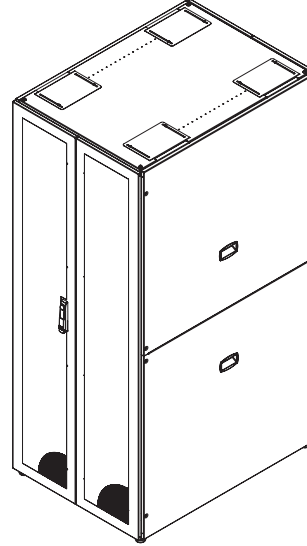
Iso View
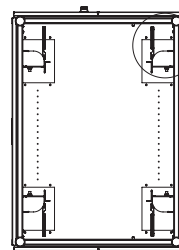

Front View

Inside View

Side View

Back View

Top View

Bottom View
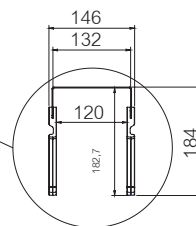
DCMax
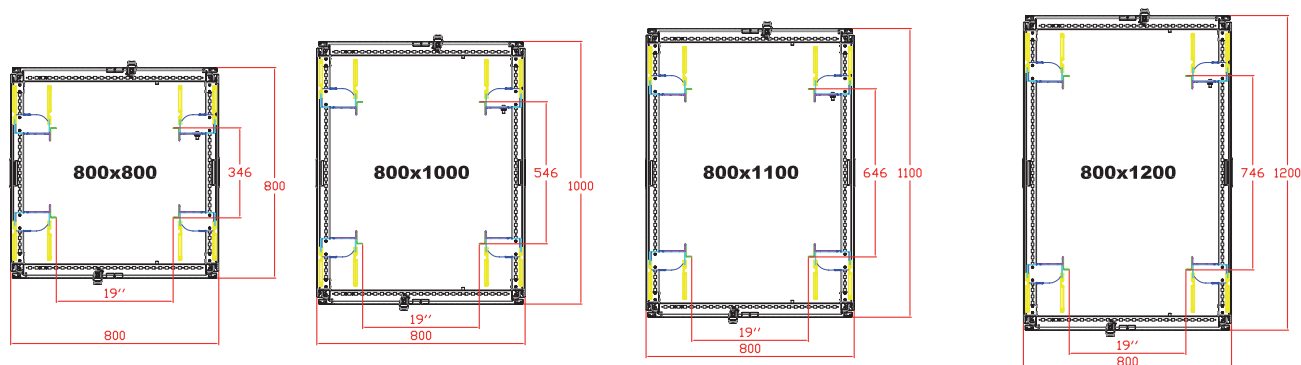
PART NO	DESCRIPTION	W x H x D (mm)
SRVES42U8855OFRM	19" 42U 800x800 mm DCMAX Cabling Open Frame Cabinet, including 4ea. 19" mounting profile. 4ea. Vertical cable management panel at left and right, rear and front. Cabinet is without side panels, front and rear door.	800x2000x800
SRVES42U8855SCCIP20	19" 42U 800x800 mm DCMAX Cabling Open Frame Cabinet, including 4ea. 19" mounting profile. 4ea. Vertical cable management panel at left and right, rear and front. Cabinet is without side panels, front and rear door.	800x2000x800
SRVES42U81055SCCIP20	19" 42U 800x1000 mm DCMAX IP20 Cabling Closed Cabinet, including 4ea. 19" mounting profile. 4ea. Vertical cable management panel at left and right, rear and front, complete with side panels, %80 perforated front door and rear door.	800x2000x1000
SRVES42U81155SCCIP20	19" 42U 800x1100 mm DCMAX IP20 Cabling Closed Cabinet, including 4ea. 19" mounting profile. 4ea. Vertical cable management panel at left and right, rear and front, complete with side panels, %80 perforated front door and rear door.	800x2000x1100
SRVES42U81255SCCIP20	19" 42U 800x1200 mm DCMAX IP20 Cabling Closed Cabinet, including 4ea. 19" mounting profile. 4ea. Vertical cable management panel at left and right, rear and front, complete with side panels, %80 perforated front door and rear door.	800x2000x1200
SRVES47U8855OFR	19" 47U 800x800 mm DCMAX Cabling Open Frame Cabinet, including 4ea. 19" mounting profile. 4ea. Vertical cable management panel at left and right, rear and front. Cabinet is without side panels, %80 perforated front and rear door.	800x2200x800
SRVES47U8855SCCIP20	19" 47U 800x800 mm DCMAX IP20 Cabling Closed Cabinet, including 4ea. 19" mounting profile. 4ea. Vertical cable management panel at left and right, rear and front, complete with side panels, %80 perforated front door and rear door.	800x2200x800
SRVES47U81055SCCIP20	19" 47U 800x1000 mm DCMAX IP20 Cabling Closed Cabinet, including 4ea. 19" mounting profile. 4ea. Vertical cable management panel at left and right, rear and front, complete with side panels, %80 perforated front door and rear door.	800x2200x1000
SRVES47U81155SCCIP20	19" 47U 800x1100 mm DCMAX IP20 Cabling Closed Cabinet, including 4ea. 19" mounting profile. 4ea. Vertical cable management panel at left and right, rear and front, complete with side panels, %80 perforated front door and rear door.	800x2200x1100
ESRVES47U81255SCCIP20	19" 47U 800x1200 mm DCMAX IP20 Cabling Closed Cabinet, including 4ea. 19" mounting profile. 4ea. Vertical cable management panel at left and right, rear and front, complete with side panels, %80 perforated front door and rear door.	800x2200x1200

DCMax

CO-LOCATION CABINETS

Sometimes your equipments not fill much more than 10U or 20U. In this case you need Co-Location cabinets.
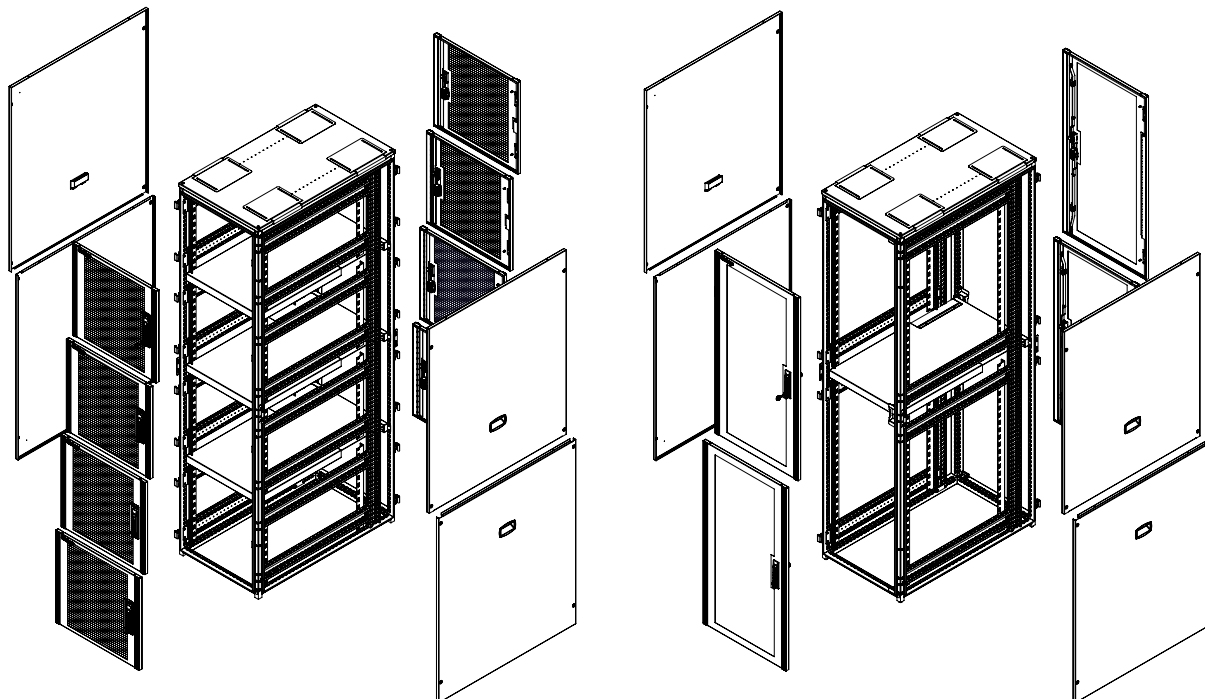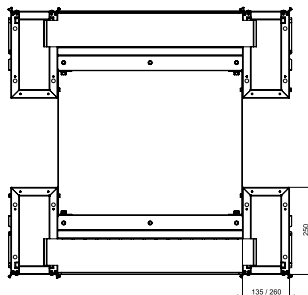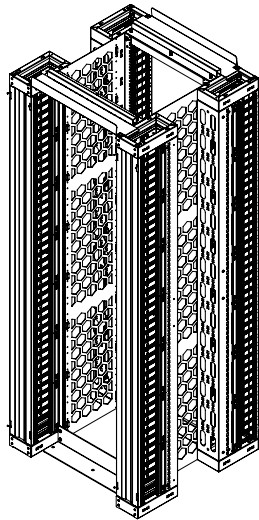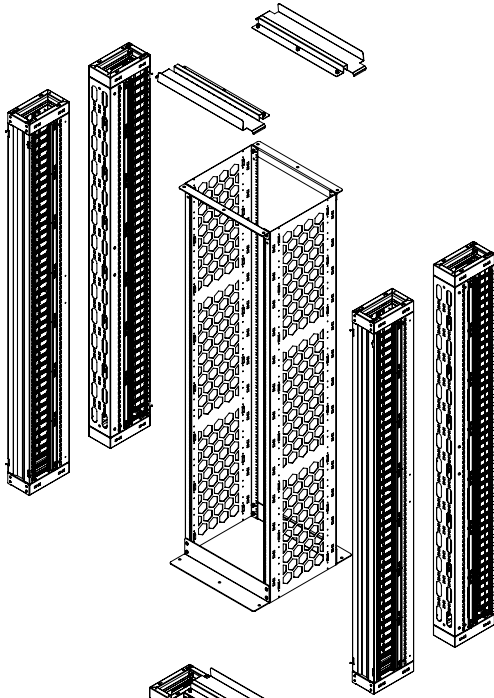
PART NO	DESCRIPTION	DIMENSIONS W x H x D (mm)
SRVES47U61055PWPC2	47U 600X1000 mm, DCMAX IP20 %80 Perforated single opening front and rear doors, mechanical lock, black, co-location, 2 compartment	600x2200x1000
SRVES47U61055PWPC4	47U 600X1000 mm, DCMAX IP20 %80 Perforated single opening front and rear doors, mechanical lock, black, co-location, 4 compartment	600x2200x1000
SRVES47U61155PWPC2	47U 600X1100 mm, DCMAX IP20 %80 Perforated single opening front and rear doors, mechanical lock, black, co-location, 2 compartment	600x2200x1100
SRVES47U61155PWPC4	47U 600X1100 mm, DCMAX IP20 %80 Perforated single opening front and rear doors, mechanical lock, black, co-location, 4 compartment	600x2200x1100
SRVES47U61255PWPC2	47U 600X1200 mm, DCMAX IP20 %80 Perforated single opening front and rear doors, mechanical lock, black, co-location, 2 compartment	600x2200x1200
SRVES47U61255PWPC4	47U 600X1200 mm, DCMAX IP20 %80 Perforated single opening front and rear doors, mechanical lock, black, co-location, 4 compartment	600x2200x1200

DCMax

SYSTEM RACK-OPEN FRAME

Sometimes you need simple solutions for patching cabinets. System Rack has high capability of cabling and easy access from all sides.

| PART NO	DESCRIPTION	DIMENSIONS W x H x D (mm)
LR26U 80	26U 19" Systemrack, D=80	530x1290x80
LR36U 80	36U 19" Systemrack, D=80	530x1734x80
LR42U 80	42U 19" Systemrack, D=80	530x2001x80
LR48U 80	48U 19" Systemrack, D=80	530x2134x80
LR42U 160	42U 19" Systemrack, D=160	530x2001x160
LR48U 160	48U 19" Systemrack, D=160	530x2134x160
LR42U 420	42U 19" Systemrack, D=420	530x2001x420
LR48U 420	48U 19" Systemrack, D=420	530x2134x420

VERTICAL CABLE MANAGER OPTIONS

PART NO	DESCRIPTION	DIMENSIONS W x H x D (mm)
M44ORG2613RLYG	26U Vertical cable management panel 1ea. w=135mm, Finger Type	135x1292x250 (1176)
M44ORG3613RLYG	36U Vertical cable management panel 1ea. w=135mm. Finger Type	135x1736x250 (1620)
M44ORG4213RLYG	42U Vertical cable management panel 1ea. w=135mm, Finger Type	135x2003x250 (1887)
M44 ORG4813RLYG	48U Vertical cable management panel 1ea. w=135mm, Finger Type	135x2270x250 (2154)
M44ORG2626RLYG	26U Vertical cable management panel 1ea. w=260mm, Finger Type	260x1292x250 (1176)
M44ORG3626RLYG	36U Vertical cable management panel 1ea. w=260mm, Finger Type	260x1736x250 (1620)
M44ORG4226RLYG	42U Vertical cable management panel 1ea. w=260mm, Finger Type	260x2003x250 (1887)
M44ORG4826RLYG	48U Vertical cable management panel 1ea. w=260mm, Finger Type	260x2270x250 (2154)

DCMax

ACCESSORIES / BOTTOM COVER

To close the bottom of the cabinet for dust protection.
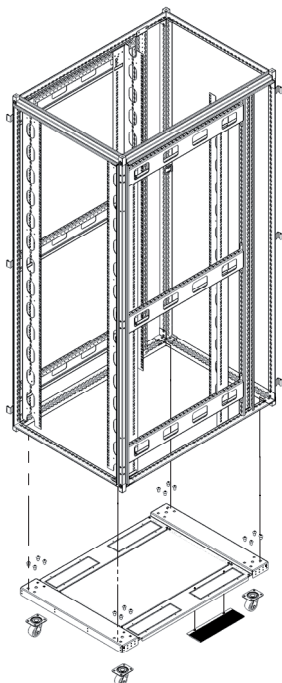
PART NO	DESCRIPTION	W x D (mm)
EST30110BTCVR	Bottom Cover - c/w Multiple Cable Entry Plates width=300 mm depth=1100 mm	300x1100
EST30120BTCVR	Bottom Cover - c/w Multiple Cable Entry Plates width=300 mm depth=1200 mm	300x1200
EST60100BTCVR	Bottom Cover - c/w Multiple Cable Entry Plates width=600 mm depth=1000 mm	600x1000
EST60110BTCVR	Bottom Cover - c/w Multiple Cable Entry Plates width=600 mm depth=1100 mm	600x1100
EST60120BTCVR	Bottom Cover - c/w Multiple Cable Entry Plates width=600 mm depth=1200 mm	600x1200
EST80100BTCVR	Bottom Cover - c/w Multiple Cable Entry Plates width=800 mm depth=1000 mm	800x1000
EST80110BTCVR	Bottom Cover - c/w Multiple Cable Entry Plates width=800 mm depth=1100 mm	800x1100
EST80120BTCVR	Bottom Cover - c/w Multiple Cable Entry Plates width=800 mm depth=1200 mm	800x1200

DCMax

ACCESSORIES / PLINTH

To raise the cabinet where you need.
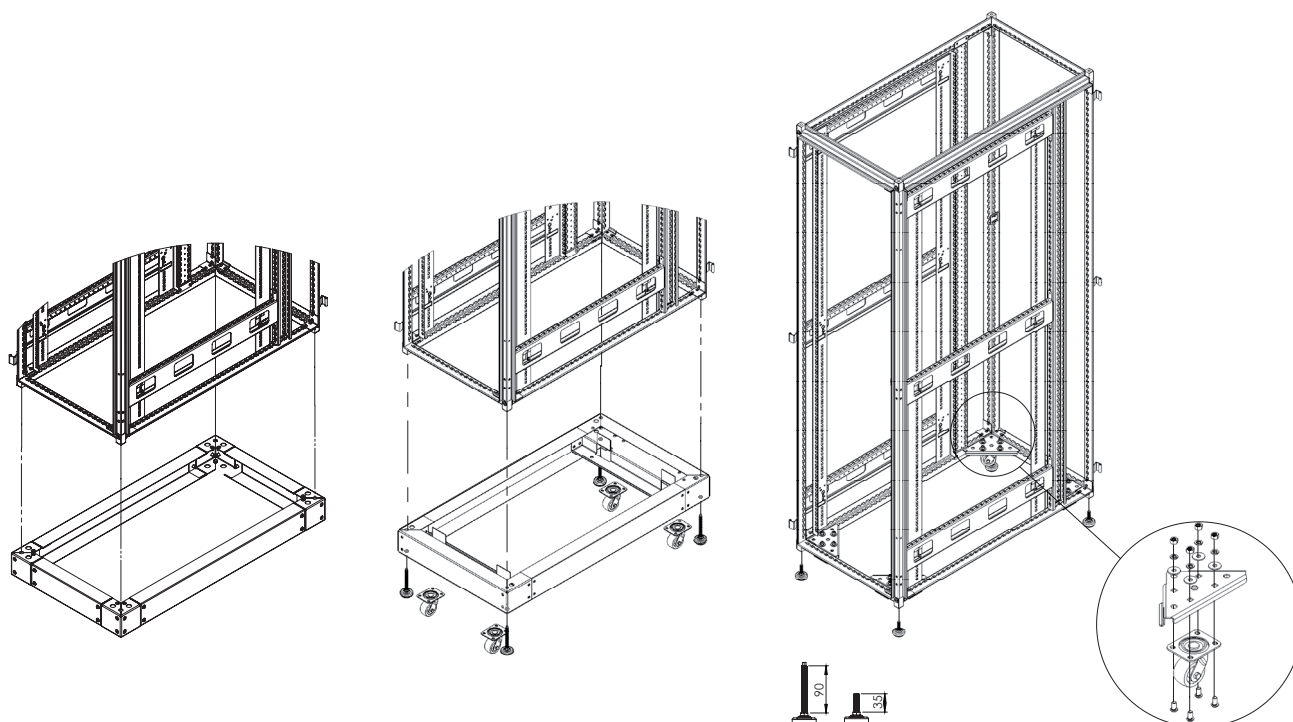
PART NO	DESCRIPTION	W x D (mm)
EST 30100 PLNTH	Plinth for DCMAX width=300 mm depth=1000 mm	300x1000
EST 30110 PLNTH	Plinth for DCMAX width=300 mm depth=1100 mm	300x1100
EST 30120 PLNTH	Plinth for DCMAX width=300 mm depth=1200 mm	300x1200
EST 60100 PLNTH	Plinth for DCMAX width=600 mm depth=1000 mm	600x1000
EST 60110 PLNTH	Plinth for DCMAX width=600 mm depth=1100 mm	600x1100
EST 60120 PLNTH	Plinth for DCMAX width=600 mm depth=1200 mm	600x1200
EST 80100 PLNTH	Plinth for DCMAX width=800 mm depth=1000 mm	800x1000
EST 80110 PLNTH	Plinth for DCMAX width=800 mm depth=1100 mm	800x1100
EST 80120 PLNTH	Plinth for bw width=800 mm depth=1200 mm	800x1200

DCMax

ACCESSORIES / FLOOR FIXING KIT AND CASTOR SET

To fix the cabinet to floor for more stability

PART NO	DESCRIPTION
M44FFK	Floor fixing kit (1set=4pcs.) from inner corner of cabinet
M44FFK TKR	Castor Group (1set=4pcs.)
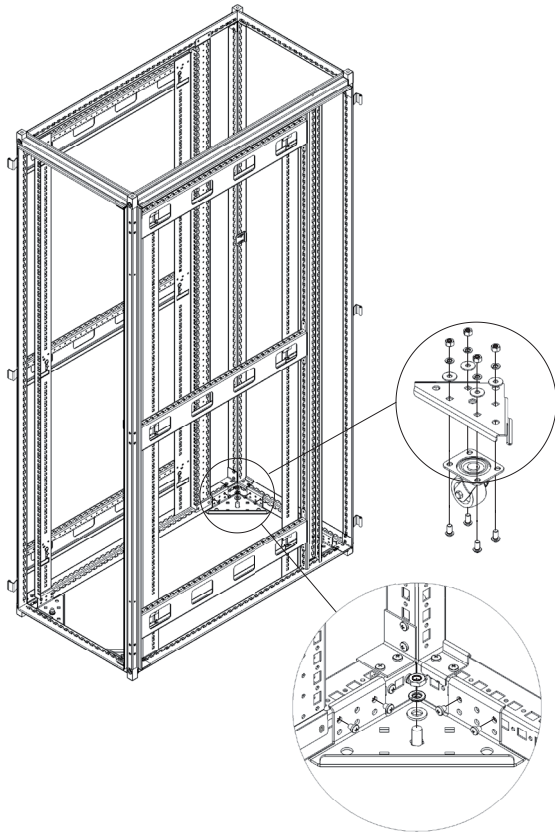
ACCESSORIES / CABLE MANAGEMENT RINGS

To guide your cables where you need.

PART NO	DESCRIPTION	W x H (mm)
K44 RING 06	Ring for cable management 45x100 mm (1 set = 5 ea.)	45x100
K44 RING 05	Ring for cable management 60x100 mm (1 set = 5 ea.)	60x100
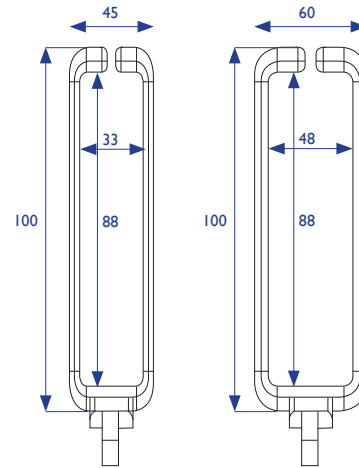
Cable Rings can be used in all cable trays, vertical and horizantal C rails, framework of cabinet itself.
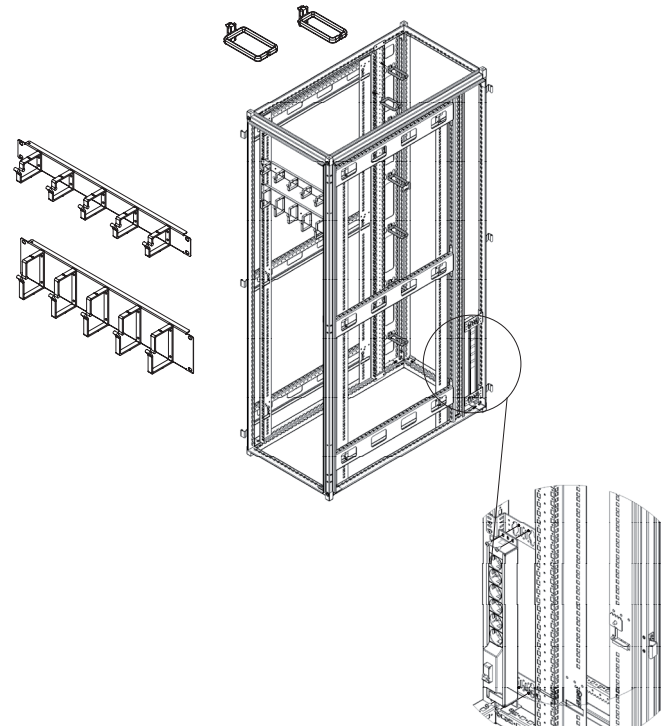
DCMax

ACCESSORIES / VERTICAL CABLE MANAGER

To guide and manage the cabling cables vertically.

PART NO	DESCRIPTION	W x H x D (mm)
M78 ORG42	42U Vertical Cable Manager, Finger type with metal cover.	92x1885x179
M78 ORG47	47U Vertical Cable Manager, Finger type with metal cover.	92x2110x179
BZTRB 1722020IP20	Cable Manager Bag	175x200x200

Cable Manager Bag
Fix and tighthened the bag to prevent air leakage from cable entry

Vertical Cable Manager, Finger Type

92
67
179
168
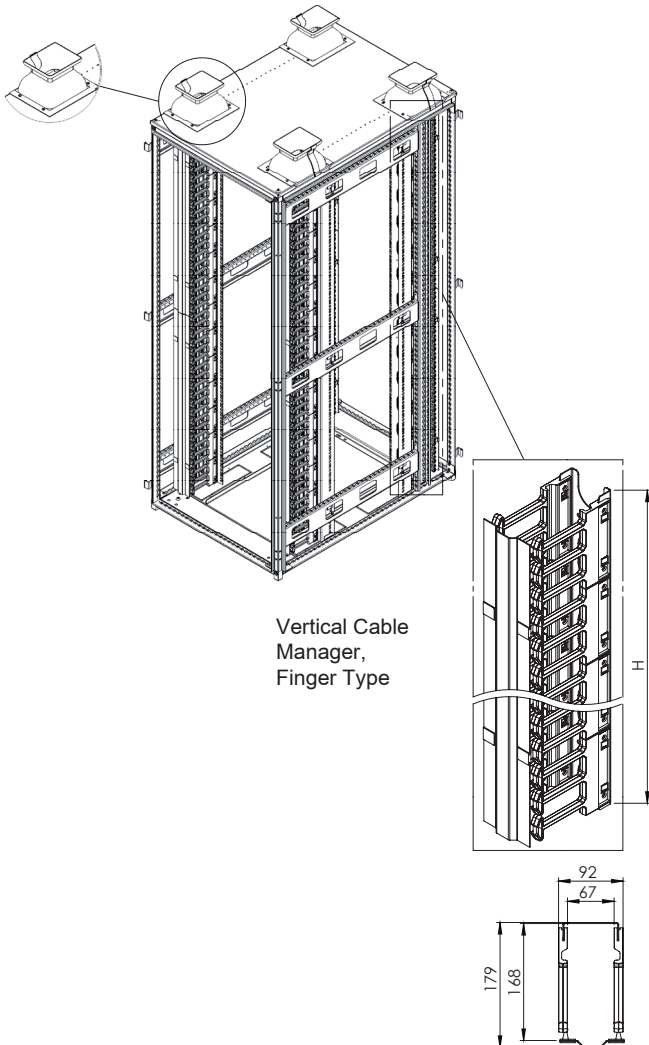
ACCESSORIES / BLANK PANELS

Airflow management is an important factor for a successful Data Center operation and contributes much to the availability.
To have a perfect airflow inside the cabinet, vertical and horizontal blank panels should be used.

Without blank panel

With blank panel

Air flow with or without blank panels inside cabinet
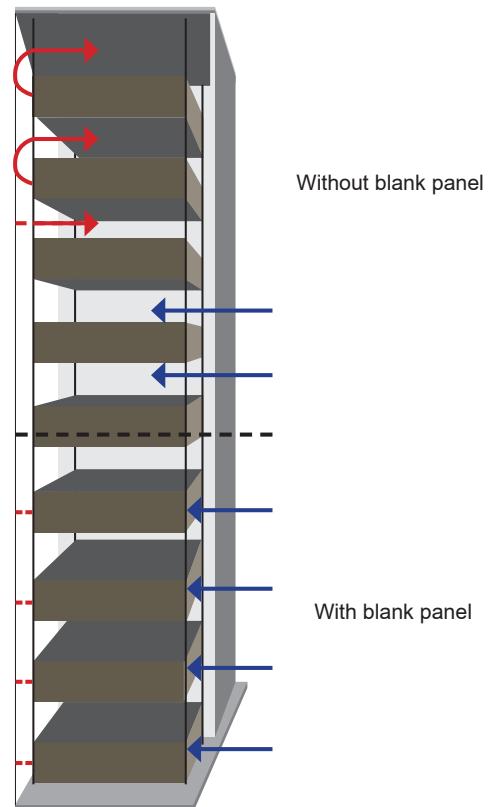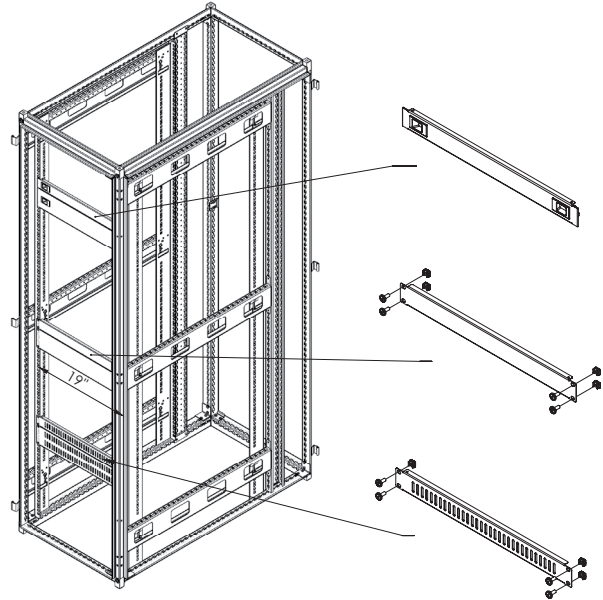
DCMax

ACCESSORIES / BLANK PANELS

Close unused units in the rack with blanking panels to avoid airflow short circuit inside the rack.

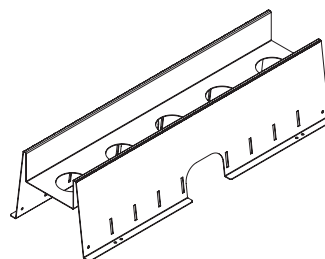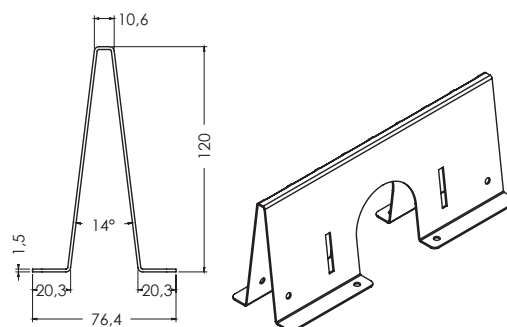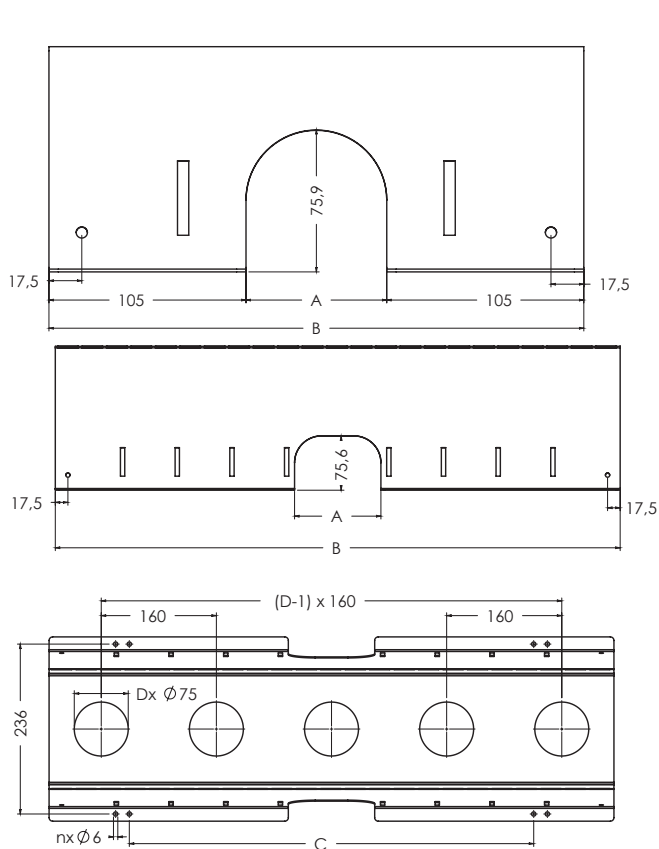| PART NO	DESCRIPTION	W x H x D (mm)
E44BPN01	1U 19" Blank panel	483x12x44
E44BPN02	2U 19" Blank panel	483x12x88
E44BPN03	3U 19" Blank panel	483x12x133
E44BPN04	4U 19" Blank panel	483x12x177
E44BPN05	5U 19" Blank panel	483x12x222
E44BPN06	6U 19" Blank panel	483x12x266
E44BPN01	1U 19" Blank panel vented	483x12x44
E44BPN02	2U 19" Blank panel vented	483x12x88
E44BPN01_03	1U 19" Toolless Blank panel	483x12x44
E44BPN01_TMP	1U 19" Toolless Blank Panel, With Temperature trip	483x12x44
E44BPN4288	42U Vertical blank panel for w=800 mm cabinets (1set=2pcs. Left + right)	100x1900x63
E44BPN4788	47U Vertical blank panel for w=800 mm cabinets, (1set=2pcs. Left+right)	100x2125x63
E44BPN4266	42U Vertical blank panel for w=600 mm cabinets, brush (1set=2pcs. Left+right)	80x1934x3
E44BPN4766	47U Vertical blank panel for w=600 mm cabinets, brush (1set=2pcs. Left+right)	80x2150x3
E44BPN4288_AFM	42U Vertical blank panel with cable entries for w=800 mm cabinets (1set=2pcs. Left + right)	100x1900x63
E44BPN4788_AFM	47U Vertical blank panel with cable entries for w=800 mm Cabinets (1set=2pcs. Left + right)	100x2125x63
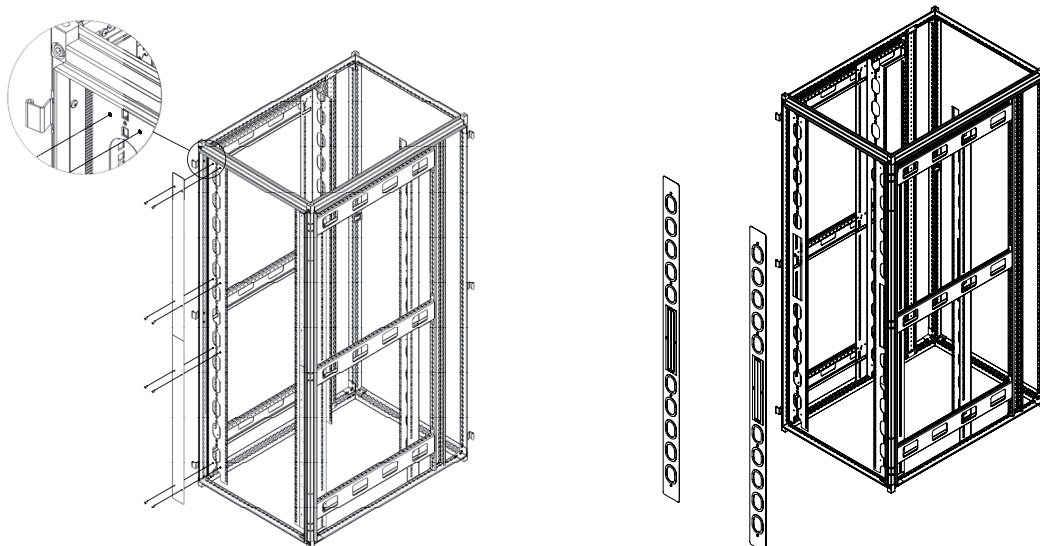
DCMax

ACCESSORIES / CABLE MANAGEMENT ON CABINET TOP

Estap DcMax Server Cabinets offer professional and highly secured management of high density data and power cables. Separate cable inlet for data and energy cables, and separate overhead cable trays and dividers minimize the electromagnetic and physical interference.

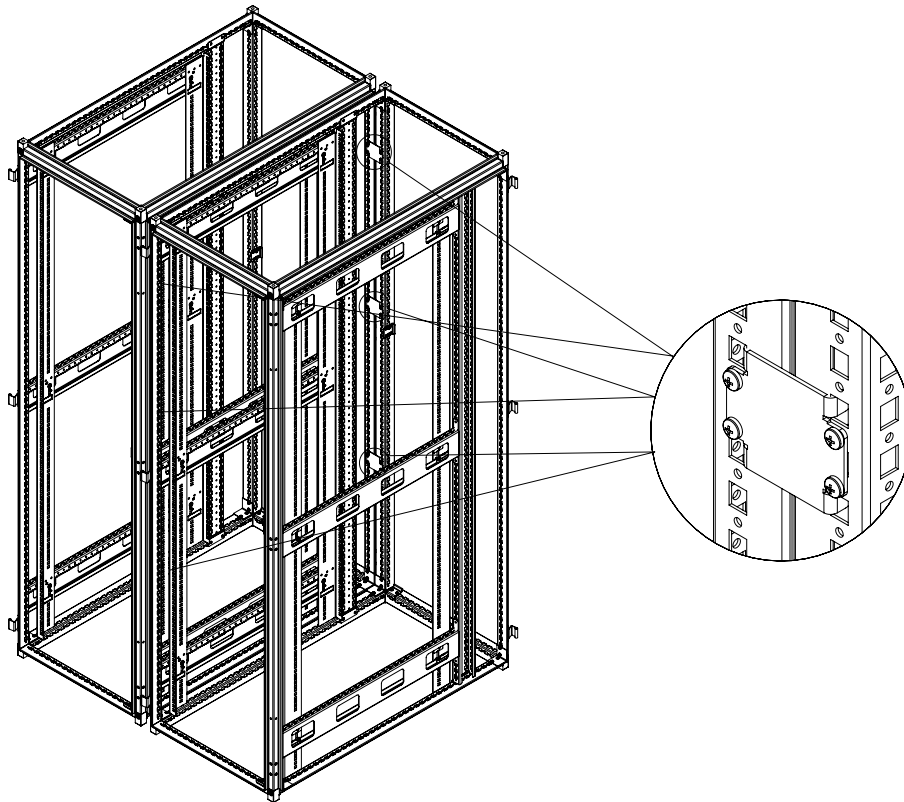| PART NO	DESCRIPTION	W x H (mm)
M44CS1230	Cable separator on Cabinet Roof h=120 mm w=300 mm (each)	300x120
M44CS1260	Cable separator on Cabinet Roof h=120 mm w=600 mm (each)	600x120
M44CS1280	Cable separator on Cabinet Roof h=120 mm w=800 mm (each)	800x120
M44CT2030	Cable Tray on Cabinet Roof h=200 mm w=300 mm (each) (useful dimension for cabling: w=600 mm d=150 mm h=80 mm)	300x200
M44CT2060	Cable Tray on Cabinet Roof h=200 mm w=600 mm(each) (useful dimension for cabling: w=600 mm d=150 mm h=80 mm)	600x200
M44CT2080	Cable Tray on Cabinet Roof h=200 mm w=800 mm (each) (useful dimension for cabling: w=800 mm d=150 mm h=80 mm)	800x200

DCMax

ACCESSORIES / BAYING KIT

Can bay while the side panels are onto the cabinet. Can bay while there is no side panels.

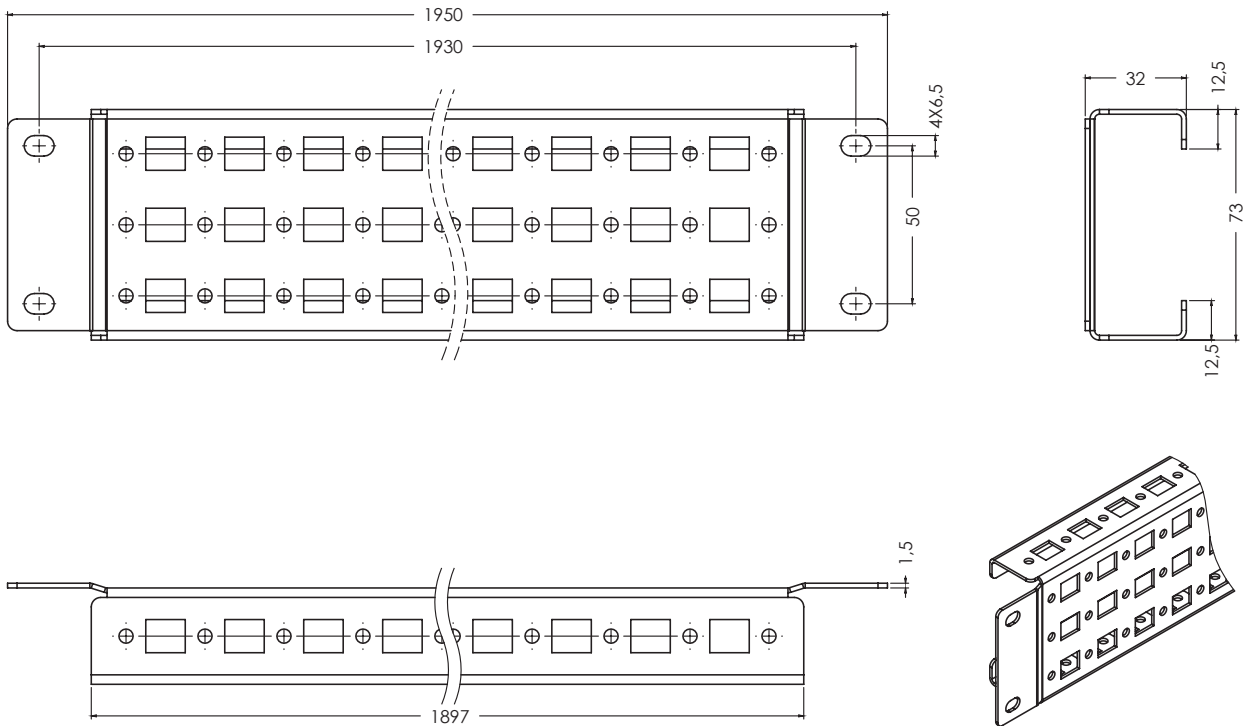| PART NO	DESCRIPTION
M44BLG05	Baying kit from inside of Datacenter cabinets (used when side panels are not mounted) 1set=6pcs.
M44BLG04	Baying kit from outside of Datacenter cabinets (used when side panels are on cabinet) 1set=4pcs. (2ea for bottom, 2ea. for top)

DCMax

ACCESSORIES / CABLE TRAYS

With Estap Cable Tray, you can manage your cables on side of the cabinet. Also you can fix cable manager rings on it.

| PART NO	DESCRIPTION	W x H (mm)
E44 KNL42 CHLD	42U Multipurpose C profile as cable holders, rings and management	10x103x1814
E44 KNL47 CHLD	42U Multipurpose C profile as cable holders, rings and management	10x103x2036

DCMax

ACCESSORIES / FRONT LABEL PLATE

Also, front Labeling Plate is necessary for a good view and to fit aisle roofs well.

PART NO	DESCRIPTION	W x H (mm)
M44FLP1230	Front Label Plate h=120 mm w=300 mm	300x120
M44FLP1260	Front Label Plate h=120 mm w=600 mm	600x120
M44FLP1280	Front Label Plate h=120 mm w=800 mm	800x120
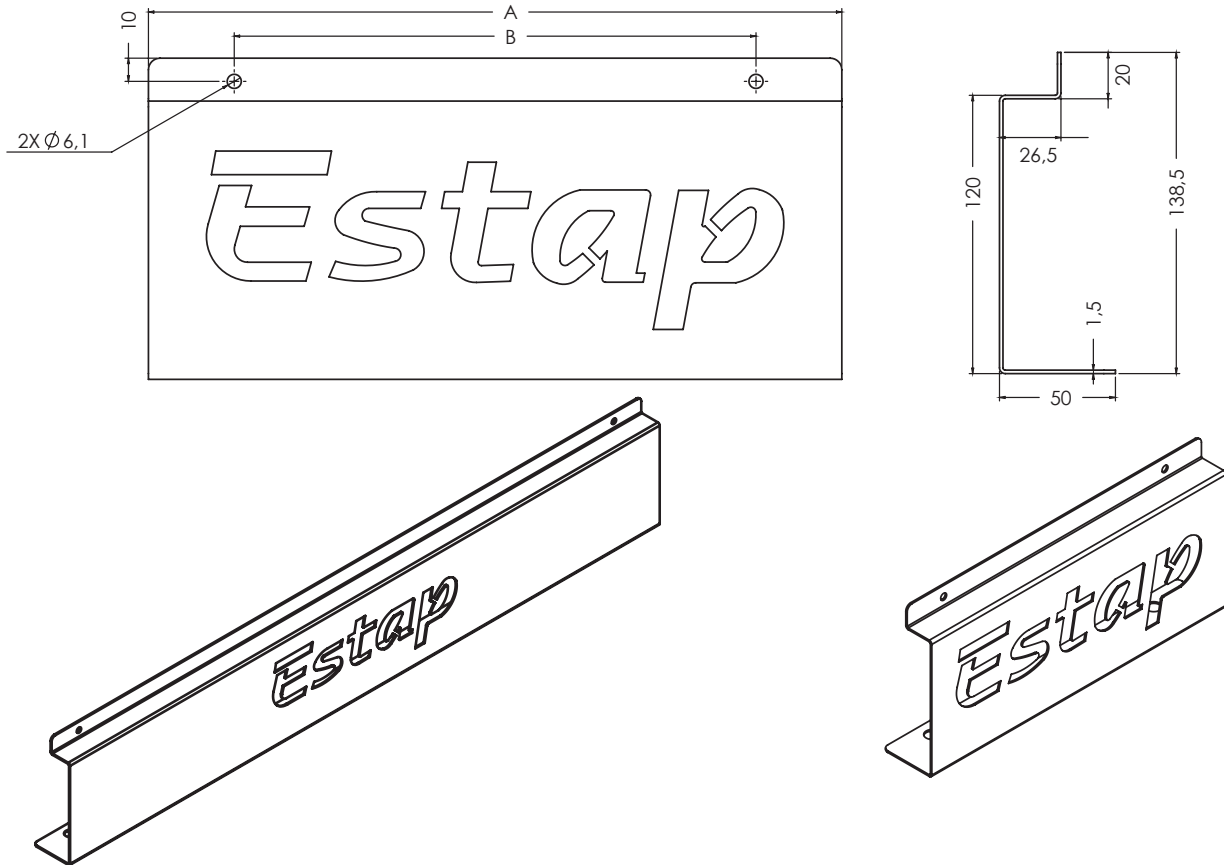
DCMax

CORRIDOR SOLUTIONS

In data center rooms, to have efficient cooling and to have a well organized system, corridor solutions are the right instrument. A closed corridor can provide roughly %40 cooling efficiency.

Estap can provide different closing alternatives, although the racks have different hights or widths. Also suitable for future expansions.
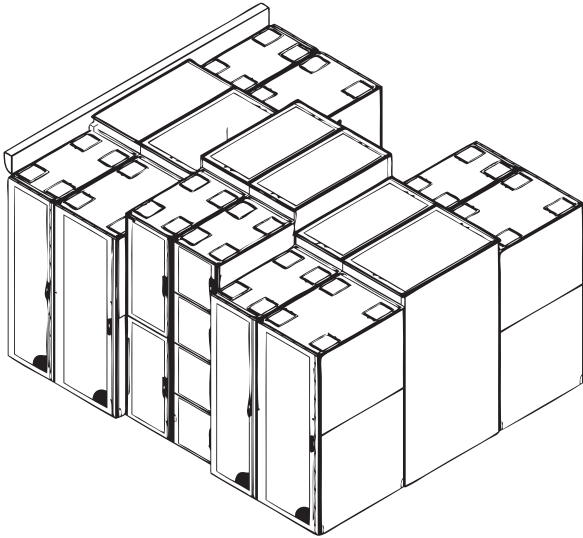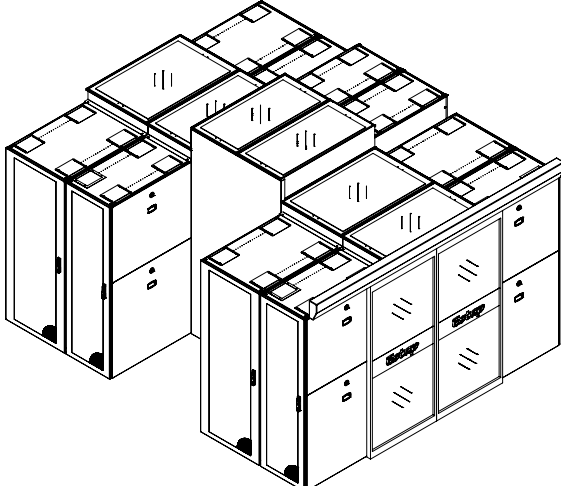

Please contact to Sales Department for more alternative solutions.

AISLE ROOF

To close the top of hot/cold aisle. Easy to fix. Polycarbonate closing with reinforced metal frame.

PART NO	DESCRIPTION	W x D (mm)
M44CCR60120	Cold Coridor Roof w=600 d=1200 mm polycarbonate transparent top cover with metal frame.	600x1200
M44CCR80120	Cold Coridor Roof w=800 d=1200 mm polycarbonate transparent top cover with metal frame.	800x1200
M44CCR90120	Cold Coridor Roof w=900 d=1200 mm polycarbonate transparent top cover with metal frame.	900x1200
M44CCR110120	Cold Coridor Roof w=1100 d=1200 mm polycarbonate transparent top cover with metal frame.	1100x1200
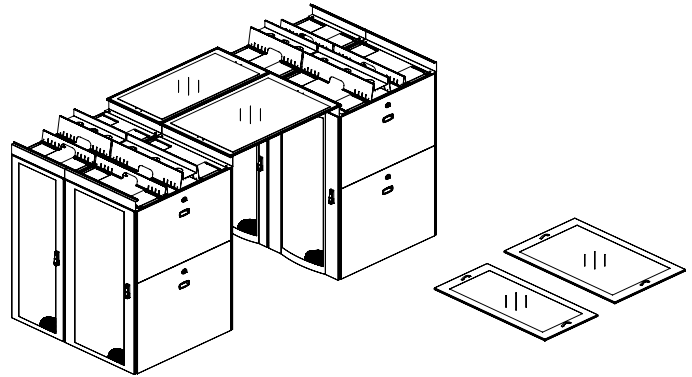
DCMax

CORRIDOR DOORS

2 types of door options are available as automatic opening and manuel opening. System is CE, TUV and ISO certificated.

Automatic Opening
Wing Frame Metarial:
Aluminium.
Glass:
4+4 mm transparent laminated glass with Estap Logo.
Carrier System:
5 x 60 x 120 mm – 4x brackets; 40 x 60 x 2mm Alm. Profile posts.
Carrier wide:
3200mm – 3600 mm*
Security Sensor:
Active 8 curtain photocell sensor.
Mechanism Wide:
2500 mm
Corridor Wide:
1200 x 2240 mm
**Wings:**
2 x moving wings, automatic.
Locking:
Electro-mechanic locking systems.
Locking Options:
Keypad or Proximity Card.**
Colour:
RAL 9005 and RAL 7035

CORRIDOR DOORS

Manuel Opening

Wing Frame Metarial:
Aluminium.
Glass:
4+4 mm transparent laminated glass with Estap Logo.
Carrier System:
5 x 60 x 120 mm – 4x brackets; 40 x 60 x 2mm Alm. Profile posts.
Carrier wide:
3200mm – 3600 mm*
Mechanism Wide:
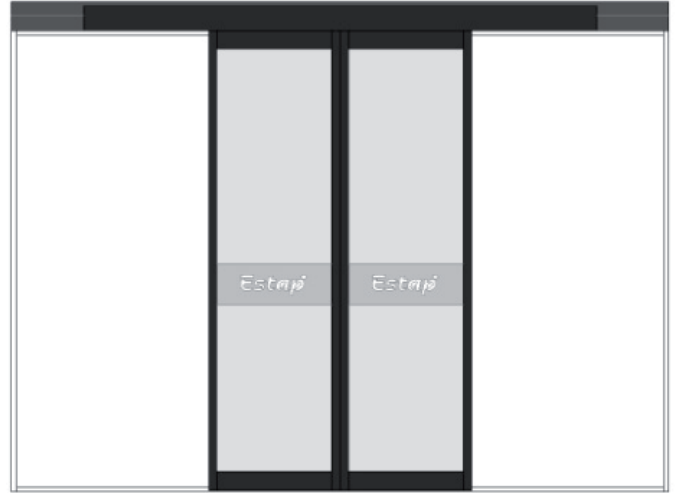2500 mm
Corridor Wide:
1200 mm
Wings:
2 x synchronized wings.
Locking:
Lock to the bottom.
Colour:
RAL 9005 and RAL 7035
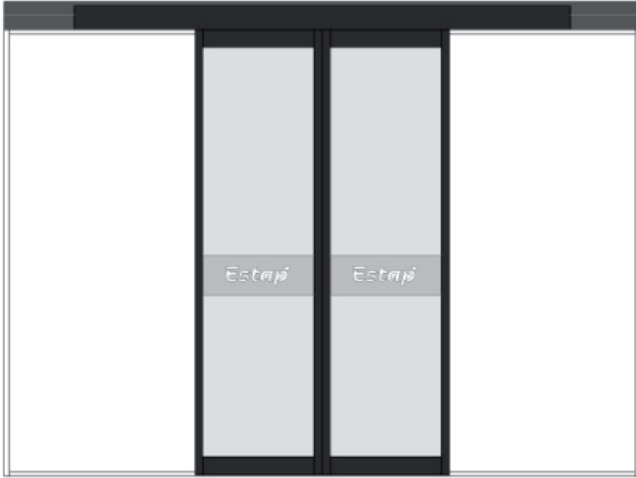
*Depends to the cabinets depth.
** Proximity system can be adapt to Estap EMS system.

*Depends to the cabinets depth.

DCMax

## ENVIRONMENTAL MONITORING SYSTEMS

Main Unit EST-EM3000

Which initializes external sensors, requests data from sensors, evaluates and archives the data, generates alarm when necessary and intervenes the output process, is the core of the EST-EM3000 architecture.

EST-EM3000 is an IT unit where required applications run on Linux operating system.

The Internal components other than the main unit are,
1 Temperature-Humidity Sensor, 4 Analog Inputs or Water Sensor ports, 4 Relay Outputs, 16 Dry Contacts, 2 RS232 COM Ports, 2 USB Ports, 1 LAN port, 1 LCD Screen, 1 Buzzer and 16 ExaBus Ports.
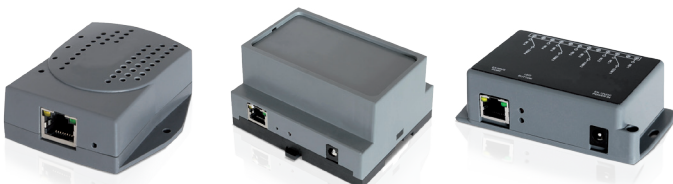
SOFTWARE FEATURES

• User Friendly Web-Interface
• Alarming over e-mail, SMS, Voice Calling Module and LCD • Display
• IP address monitoring on the LCD Display
• Critical and Alarming Level Setup
• Minimum and Maximum Alarming Value Assignment
• SNMP Support
• Easy Setup and Configuration
• IP Camera Support
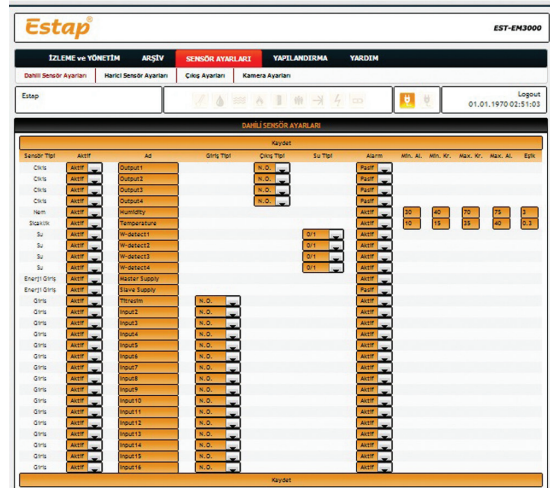
To monitor and control the system which has main unit more than 1, centralised monitoring program is needed.

HARDWARE FEATURES

• 19" Rack Installation
• 1 x internal Temperature&Humidty Port
• 1 x built-in Temperature&Humidty Sensor with extension cable
• 16 x Sensor Ports
• 16 x Dry Contact Ports – all isolated
• 1 Ethernet Port
• 4 x Analog/Water Sensor Ports
• 4 x 10A Relay Outputs
• 2 x RS-232 Ports
• 2 x USB Ports
• 1 x integrated Buzzer
• 2 x 12V DC Output (1x12V DC for Redundancy)

DCMax

ENVIRONMENTAL MONITORING SYSTEMS

Main Unit EST-EM2000

EST-EM2000 is especially designed for Smart Cabinet solutions to basically monitor the environment.
System is same with EST-EM3000, just EST-EM2000 has few connection ports.

SOFTWARE FEATURES

• User Friendly Web-Interface
• Alarming over e-mail, SMS, Voice Calling Module and LCD
• Display
• IP address monitoring on the LCD Display
• Critical and Alarming Level Setup
• Minimum and Maximum Alarming Value Assignment
• SNMP Support
• Easy Setup and Configuration

HARDWARE FEATURES

• 1 x internal Temperature&Humidty Port
• 3 x Sensor Ports
• 4 x Dry Contact Ports – all isolated
• 1 Ethernet Port
• 1 x Analog/Water Sensor Ports
• 2 x 10A Relay Outputs

SENSORS

• EST-EM3010 Temperature Humidity Sensor
• EST-EM3020 Temperature Sensor
• EST-EM3030 Water Sensor
• EST-EM3031 Water Detect Cable – 1 m
• EST-EM3035 Water Detect Cable – 5 m
• EST-EM3040 One – Three Phase V/F Sensor
• EST-EM3050 Airflow Sensor
• EST-EM3060 Air Quality Sensor
• EST-EM3070 Vibration Sensor
• EST-EM3080 Light Detector
• EST-EM3090 Rack Mount Battery Pack – 24 hours Back Up
• EST-EM3100 Smoke Detector
• EST-EM3110 Door Detector
• EST-EM3120 Movement Sensor
• EST-EM3130 Proximity Reader
• EST-EM3131 Proximity Card
• EST-EM3141 Cabinet Door Lock
• EST-EM3142 Room Entrance Lock
• EST-EM3151 Signal Tower with Buzzer
• EST-EM3152 Buzzer
• EST-EM3160 GSM Module
• EST-EM3170 3G Router Module
• EST-EM3180 Voice Calling Module
• EST-EM3190 Integration Module&Software

EST-EM3001 COMBO Sensor
• 1 x Temperature Humidity Sensor
• 4 x Dry Contact Ports – All Isolated
• 2 x Relay Output
• 1 x Proximity Reader Port
• 1 x Water Detect Cable Port

CENTRALISED MANAGEMENT SOFTWARE
• EST-CMP5 Centralised Management Pack, 1-5 Nodes
• EST-CMP15 Centralised Management Pack, 1-15 Nodes
• EST-CMPU Centralised Management Pack, Unlimited Node Licence

DCMax

INTELLIGENT POWER DISTRIBUTION UNITS

20xIEC 320 (16xC13 + 4xC19) Socket MANAGED IP PDU with Ampermeter Display, ZeroU, aluminium profile frame, 2x16A MCB, 8000 Watt, 250V AC, 3x6.0mm^2, 3m cord with IEC60309 plug (32A 2P+E), CE mark, daisy-chain function upto 10 units, Remote Monitoring ports for temperature-humidity-door access-water leakage-smoke.

20xIEC 320 (16xC13 + 4xC19) Socket MONITORED IP PDU with Ampermeter Display, ZeroU, aluminium profile frame, 2x16A MCB, 8000 Watt, 250V AC, 3x6.0mm^2, 3m cord with IEC60309 plug (32A 2P+E), CE mark, daisy-chain function upto 10 units, Remote Monitoring ports for temperature-humidity-door access-water leakage-smoke.

Outlet monitored and switched PDU, 20xIEC320 C13 socket, 4xIEC320 C19 socket,3x6.0mm^{2}x3.0m cable, Single phase 32A IEC60309 plug, 250v, 32A, with power consumption monitoring.

Outlet monitored and switched PDU, 20xIEC320 C13 socket, 4xIEC320 C19 socket, 5x6.0mm^{2}x3.0m cable,three phase 3x32A IEC60309 plug, input 380v, output 230v, 3x32A, with power consumption monitoring.
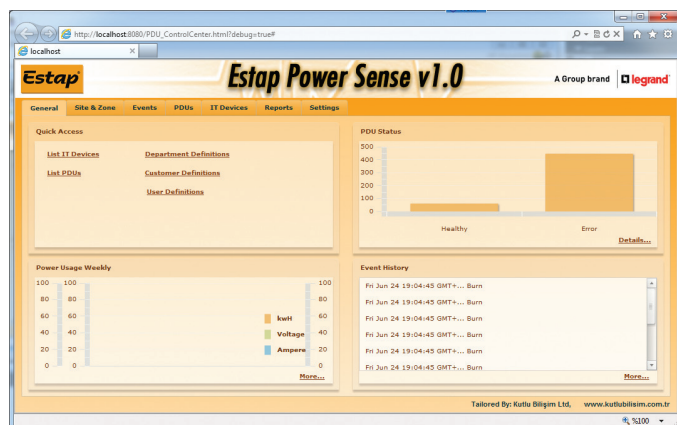
With central management programme Power Sense, you can manage your smart PDUs over one interface.

CONSOLES WITH KVM SWITCH

• Support an optional remote console (Cat5 based or Over-IP)
• CAT5 console up to 1000 feet away from KVM switch with superior auto-adjust RGB gain/delay control capability
• Support multiplatform - PS/2 and USB computers (SUN and MAC)
• Support DOS. Windows, Netware, Unix, MacOS
• Hot Pluggable-Add or remote connected PCs without having to power down the KVM switch or PCs.
• Superior video quality-up to 1280x1024, DDC2B
• No software required-easy PC selection via Push Buttons, Hot Keys or OSD (on screen display)
• Support Daisy Chainning up to 7 additional units
• Auto Scan Mode for monitoring PCs
• Firmware upgradeable for stying compatible with new coming computers
• Metal case, rack mountable
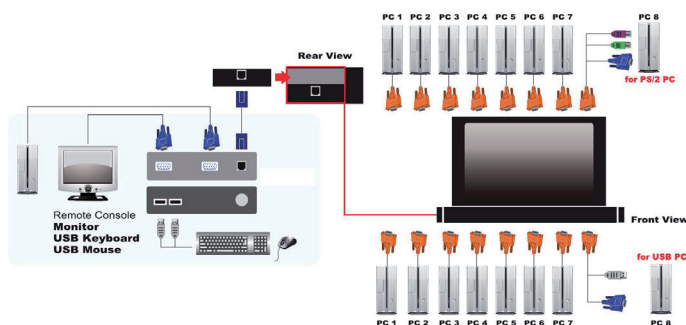
Installation of Console with KWM Switch