

Evoline freestanding cabinets

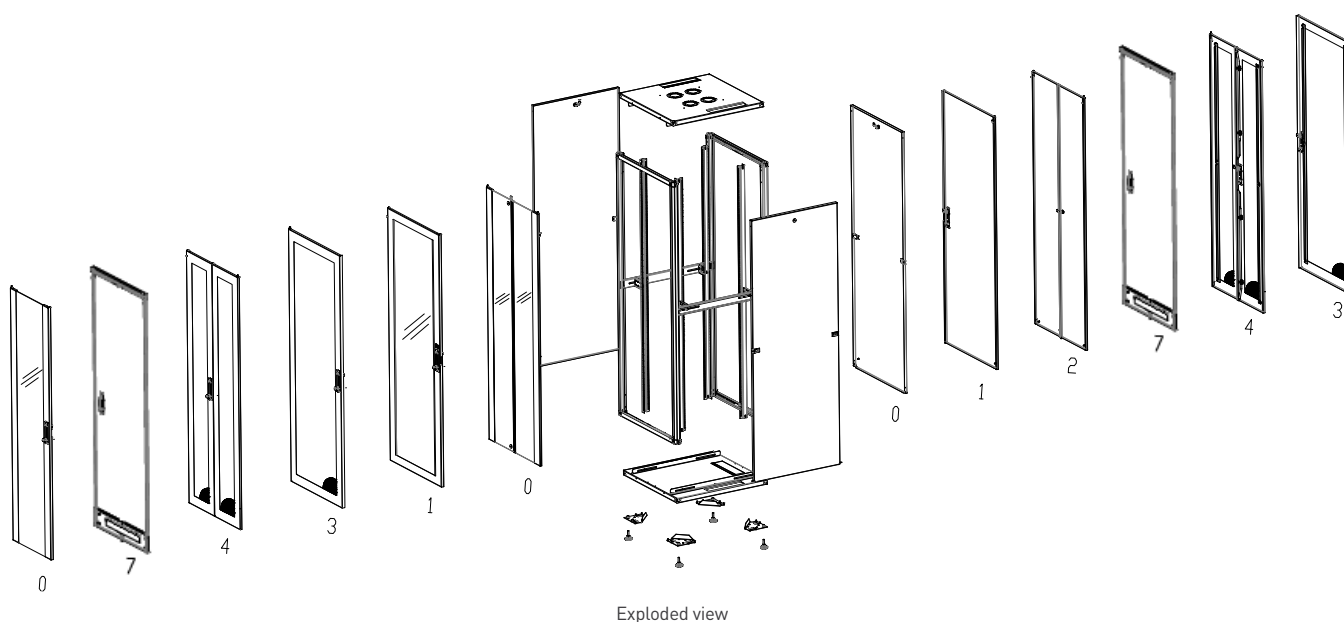
1. GENERAL CHARACTERISTICS

Evoline cabinets are suitable for offices, equipment rooms as server housing and infrastructural cabling installations.

Evoline 19" rack cabinets are ergonomic, powerful, flexible and cost-effective.

The main characteristics of the cabinet

- 1) 4 mm thickness of glass, full-length smoked, shatterproof, tempered, secure
- 2) Depth adjustable 19" mounting uprights even when the cabinet is fully loaded.
- 3) 1000 kg load carrying capacity
- 4) Easy assembling flat pack option provides ease and 50% reduced volume for transportation. Single handedly assembled in less than 20 minutes with basic standard tools.
- 5) 3 sides lockable & removable steel sheet panels
- 6) Safety glass front door; metal and perforated options are available
- 7) Wide range of sizes from 16U to 47U
- 8) Depth sizes: 600 mm, 800 mm and 1000 mm.
- 9) Standard colors: RAL 7035 Light Grey
- 10) 6 times bended frame units for increased stability
- 11) Optional Pagoda style top cover increases protection against dust and other overhead leakage. Additionally, this style simulates a chimney effect for a convectional passive air flow.
- 12) Levelling feet are included as default. Alternatively compatible with casters.
- 13) Front door features a full length, smoked and shatterproof safety glass door with left and right metal frames and integral locking mechanism.
The door hinge is easily swapped from one side to the other to change the direction that the door opens (single door option).
- 14) Rear panel lockable and removable. Solid metal and perforated door options are available. Door hinges are easily swapped from one side to the other to change the direction that the door opens. Brushed cable entry on the top and/or bottom of rear door is available as an accessory.
- 15) Side Panels are lockable & removable steel sheet panels to complete the flexibility and 4-way easy access (front, rear and side panels) of the entire cabinet.
- 16) Multiple brushed cable entries on top and the bottom of the cabinet.



Note: Please refer "Door Selection Table" for the door choices on page 3.

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2. TECHNICAL CHARACTERICS

2.1. INDEX OF PROTECTION

- IP20 according to EN61587-1, IEC60529
IP20: Protected against solid objects larger than 12,5 mm in diameter

2.2 MECHANICAL PERFORMANCE

- Load carrying capacity: 1000 kg.

2.3 DESIGN

- 1) Frame Units are 6 times bended and tightly fixed into top and bottom chassis
- 2) Mounting uprights, top and bottom base units are 1.5 mm thick sheet steel
- 3) Top and bottom chassis units construction are completely modular structures
- 4) Side panels made of 1,0 mm thick sheet steel
- 5) Front door, shatterproof glass with left and right frame
- 6) 115° front door opening angle

2.4 CORROSION RESISTANCE

- ISO 9227 and ASTM B 117-85, IEC60917 and IEC60297

2.5. SURFACE COATING

- 1) Electrostatic powder coated with surface treatment; 60-120 micron paint thickness
- 2) Comply with ISO 9001, ISO 2178, ISO 2813, ISO 6272, ISO 8130-5, ISO 8130-3, RoHS standards.

3. TESTS AND COMPLIED STANDARDS

- 1) ISO 9001:2015 Quality Management System
- 2) ISO 14001:2015 Environmental Management System
- 3) ISO 27001:2013 Information Security Management System
- 4) OHSAS 18001:2014 Occupational Health and Safety Management System
- 5) 19" device mounting uprights IEC 297-1
- 6) EN 61587-1 Mechanical structures for electronic equipment.
- 7) All cabinet sizes complies with IEC 297-2.

Environment:

EN61587-1/4.2, IEC60068-2-1, IEC60068-2-2, IEC60068-2-30, IEC60917 and IEC60297

Industrial enviroment:

EN61587-1/4.3, IEC60068-2-42, IEC60068-2-43 and IEC60068-2-49, IEC60068-2-1, IEC60917 and IEC60297

Statical mechanical structure load test:

EN61587-1 / 5.2.1, IEC60917 and IEC60297

Statical mechanical structure stability:

EN61587-1 / 5.2.2, IEC60917 and IEC60297

Dynamic load, vibration and mechanical stroke:

EN61587-1 / 5.3.1, EN61587-1 / 5.3.3, IEC60917, IEC60297, IEC62208

Grounding continuity:

EN 61587-1 / 6.2, IEC 60917, IEC 60297 and IEC 61010-1

Fire and flame resistance:

EN61587-1 / 6.3, IEC60917 and IEC60297

Corrosion:

ISO9227 and ASTM B 117-85, IEC60917 and IEC60297

IP protection degree:

EN 61587-1 / 6.4, IEC 60529, IEC 60917 and IP20 according to IEC 60297

Carrying:

ETS300019-1-2 Class 2.3

Loading:

ETS300019-1-1 Class 1.2

Security:

EN60950_LVD

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PURCHASED PRODUCT CERTIFICATION

Sheet steel:

ISO 9001, DIN EN 10130 – 99 Ereğli DC- 01 6112, RoHS

Electrostatic powder coating:

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):

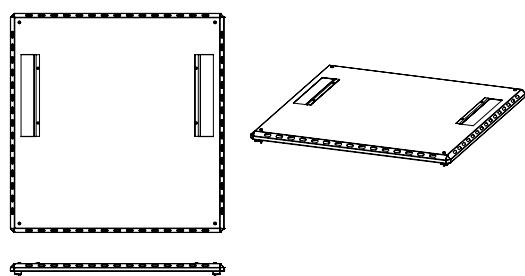
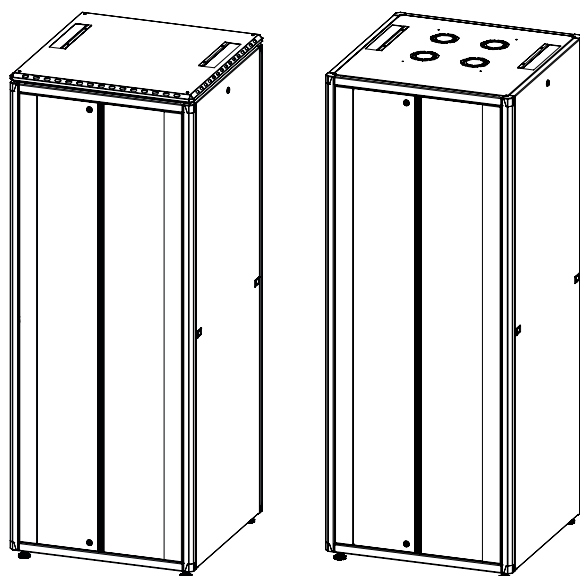
DIN 7985, DIN 965, DIN 7981, DIN 934, DIN 985, DIN 933, RoHS

Casters:

ISO 9001, TS EN 12530, TS EN 12532, RoHS

Lock:

DIN 1743, DIN 53571, RoHS



EvoLine Top Cover

4. DOOR SELECTION TABLE AND REFERENCE CODE CREATION

Door Code	Description	EVO W= 600 MM	EVO W= 800 MM
FRONT			
A	Single Glass Front Door, single point locking	Standard	-
C	Double Glass Front Door, two point barrel locking	-	Standard
B	Single, Full Frame Glass Front Door, single point locking	Optional	Optional
D	Single Vented Front Door, 63% perforated, single point locking	Optional	Optional
E	Double Vented Front Door, 63% perforated, three point locking	-	Optional
F	Solid Metal Front Door	Optional	Optional
REAR			
P	Solid Metal Back Panel	Standard	Standard
R	Single Solid Metal Rear Door	Optional	Optional
S	Double Solid Metal Rear Door	-	Optional
U	Single Vented Rear Door, 63% perforated, single point locking	Optional	Optional
V	Double Vented Rear Door, 63% perforated, three point locking		Optional
T	Solid Metal Rear Door(s) with cable entries on bottom	Optional	Optional

Marked are also Default Config.

REFERENCE CODE CREATION

Product reference	Front door	Rear door
EVO42U8080	Check the options From door matrix if different than standard	Check the options From door matrix if different than standard

Example:

EVO42U8080 → 42U, 800x800 cabinet with double glass front door and solid metal black panel

EVO42U8080DU → 42U, 800x800 cabinet with single vented front and rear door door

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5. DIMENSIONS

5.1. W= 600 MM CABINETS (mm)

PRODUCT REFERENCE*	"U" HEIGHT	DEPTH OVERALL	DEPTH MAX MOUNTING PROFILE	HEIGHT VERTICAL MOUNTING PROFILE	HEIGHT WITHOUT LEVELLING FEET	HEIGHT WITH LEVELLING FEET MIN	HEIGHT WITH CASTERS
EVO22U6060...	22	600	460	1008	1083	1108	1163
EVO22U6080...	22	800	660	1008	1083	1108	1163
EVO26U6060...	26	600	460	1185	1260	1285	1340
EVO26U6080...	26	800	660	1185	1260	1285	1340
EVO32U6060...	32	600	460	1452	1527	1552	1607
EVO32U6080...	32	800	660	1452	1527	1552	1607
EVO32U6010...	32	1000	860	1452	1527	1552	1607
EVO42U6060...	42	600	460	1897	1972	1997	2052
EVO42U6080...	42	800	660	1897	1972	1997	2052
EVO42U6010...	42	1000	860	1897	1972	1997	2052
EVO44U6060...	44	600	460	1986	2060	2085	2140
EVO44U6080...	44	800	660	1986	2060	2085	2140
EVO44U6010...	44	1000	860	1986	2060	2085	2140
EVO47U6060...	47	600	460	2119	2194	2219	2274
EVO47U6080...	47	800	660	2119	2194	2219	2274
EVO47U6010...	47	1000	860	2119	2194	2219	2274

"" = Pls complete the reference code referring the "Reference Code Creation" on page 3.

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5.2. W= 800 MM CABINETS (mm)

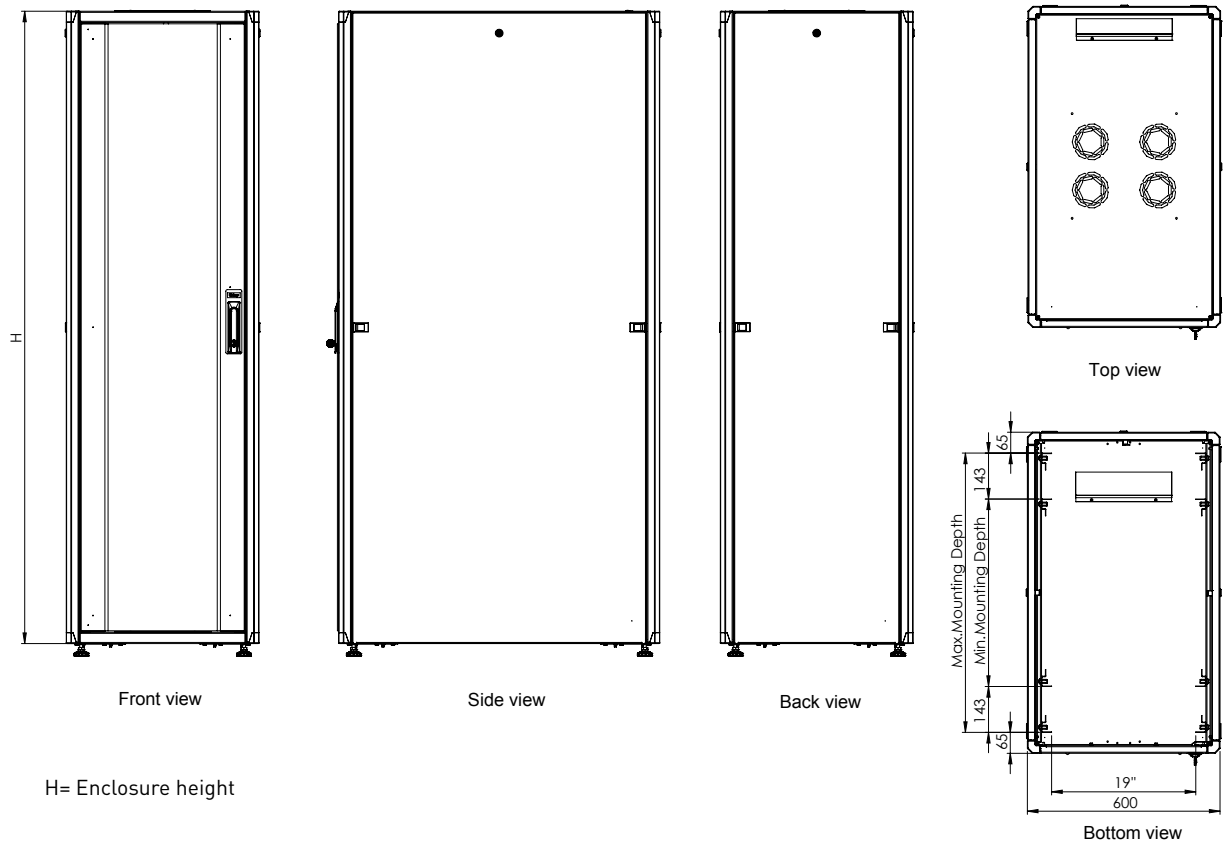
PRODUCT REFERENCE*	"U" HEIGHT	DEPTH OVERALL	DEPTH MAX MOUNTING PROFILE	HEIGHT VERTICAL MOUNTING PROFILE	HEIGHT WITHOUT LEVELLING FEET	HEIGHT WITH LEVELLING FEET MIN	HEIGHT WITH CASTERS
EVO22U8060...	22	600	460	1008	1083	1108	1163
EVO22U8080...	22	800	660	1008	1083	1108	1163
EVO26U8060...	26	600	460	1185	1260	1285	1340
EVO26U8080...	26	800	660	1185	1260	1285	1340
EVO32U8060...	32	600	460	1452	1527	1552	1607
EVO32U8080...	32	800	660	1452	1527	1552	1607
EVO32U8010...	32	1000	860	1452	1527	1552	1607
EVO42U8060...	42	600	460	1897	1972	1997	2052
EVO42U8080...	42	800	660	1897	1972	1997	2052
EVO42U8010...	42	1000	860	1897	1972	1997	2052
EVO44U8060...	44	600	460	1986	2060	2085	2140
EVO44U8080...	44	800	660	1986	2060	2085	2140
EVO44U8010...	44	1000	860	1986	2060	2085	2140
EVO47U8060...	47	600	460	2119	2194	2219	2274
EVO47U8080...	47	800	660	2119	2194	2219	2274
EVO47U8010...	47	1000	860	2119	2194	2219	2274

*** = Pls complete the reference code referring the "Reference Code Creation" on page 3.

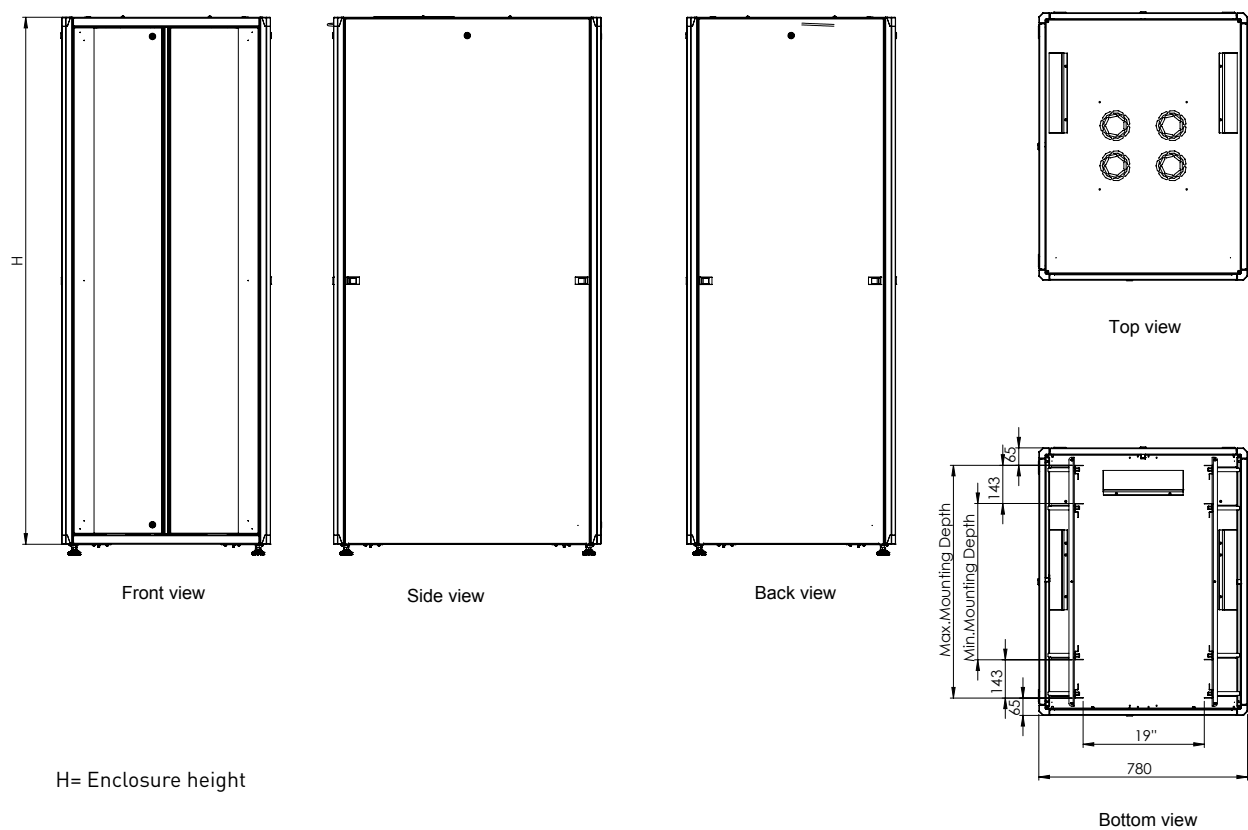
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6. TECHNICAL DRAWINGS

6.1. W=600 mm CABINETS



6.2. W=800 mm CABINETS

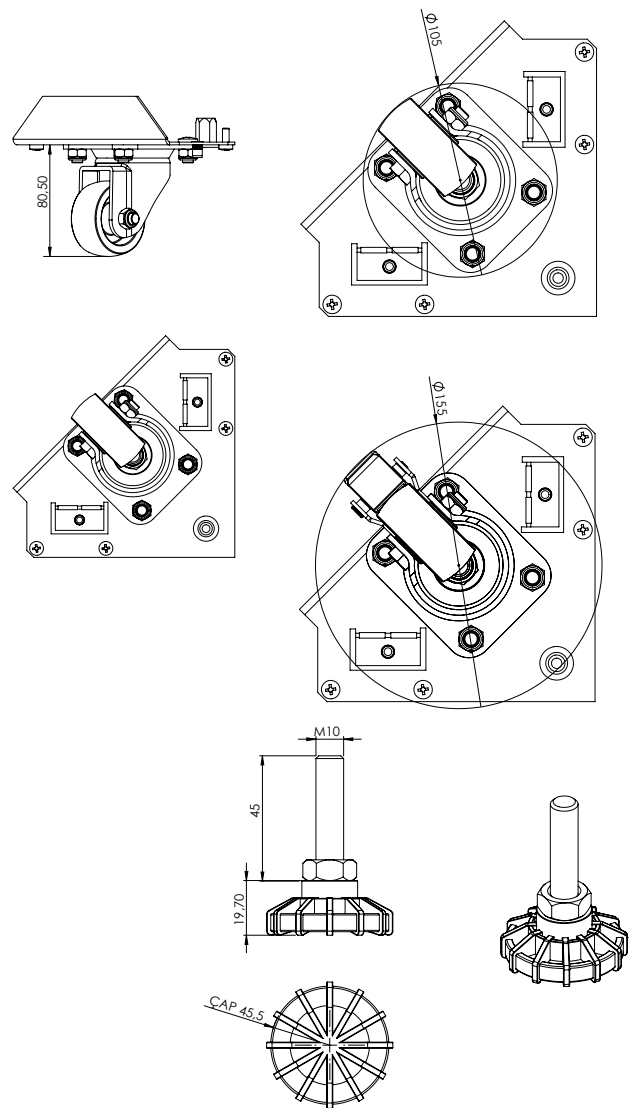


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7. ACCESSORIES

7.2. CASTER AND LEVELLING FEET

- Casters are rotational type and can move any direction
- 2 ea. front are lockable
- Load capacity per caster:
Fixed: 50 kg
Moving: 25kg
- Load capacity per levelling feet: 250 kg.
- Levelling feet: Possible to adjust height of the feet from the floor.



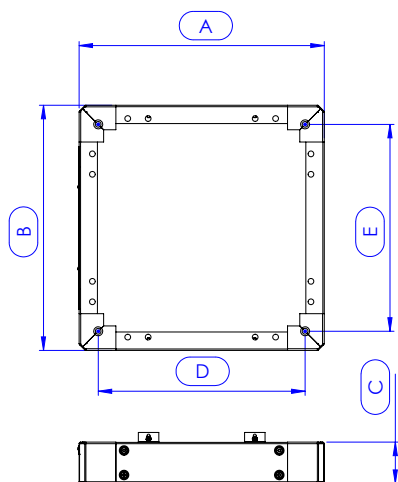
PRODUCT REFERENCE	DESCRIPTION
ECAST4	Casters, 4 pcs. front are lockable
SPAREFEET	Levelling feet (1 set = 1 pc.)

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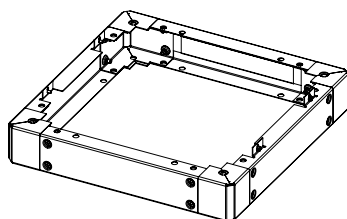
7.3. PLINTH

Plinth is designed to raise the cabinet 100 mm up from the floor. Inside is used for cable management and storage of cable bundles.

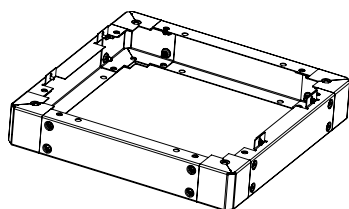
- It has 4 side removable covers, at rear there is a brushed cable entry.
- Material: Sheet steel
- Height: 100 mm
- Colour: RAL 9005 black



WITH CABLE ENTRY



WITHOUT CABLE ENTRY

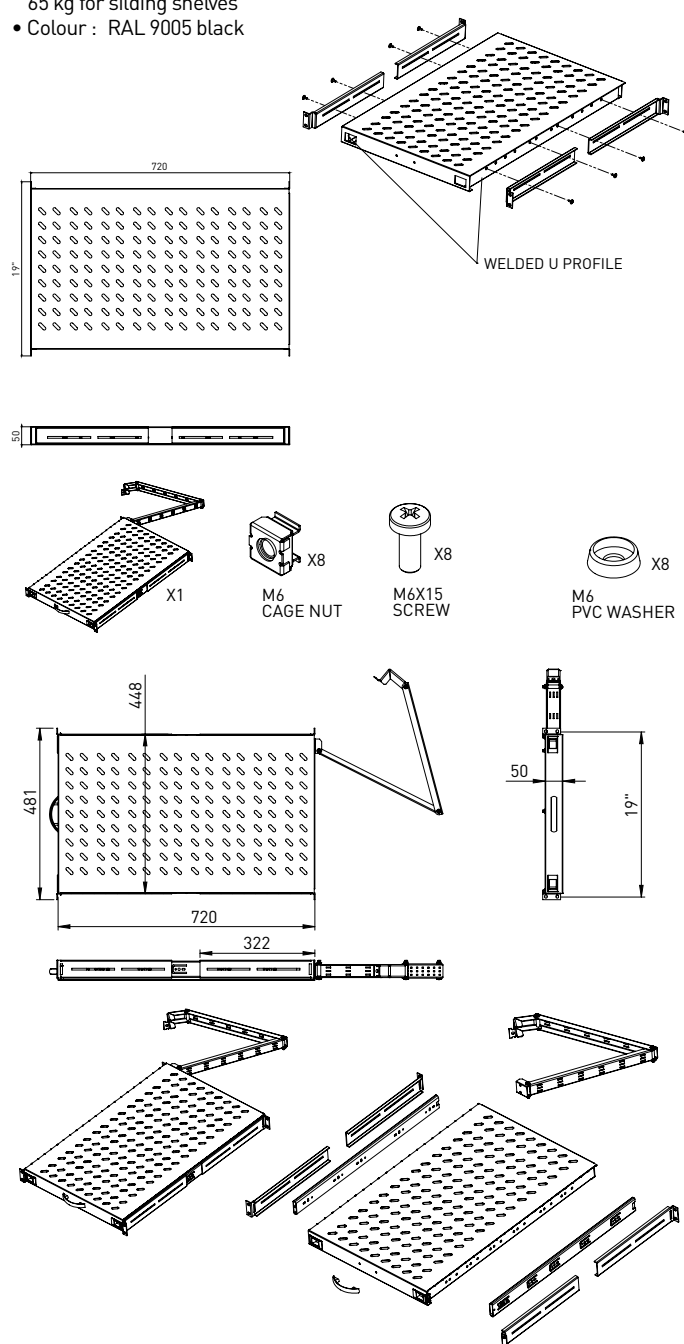


WITH CABLE ENTRY STOCK NO	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)
EP6060	600	600	100	506.40	506.40
EP6080	600	800	100	506.40	706.40
EP6010	600	1000	100	506.40	906.40
EP8060	780	600	100	686.40	506.40
EP8080	780	800	100	686.40	706.40
EP8010	780	1000	100	686.40	906.40

7.4. SHELF

7.4.1. HEAVY DUTY TYPE SHELF

- 4 point, fixing directly to 19" mounting angles
- Vented, material sheet steel
- Adjustable depth
- Load carrying capacity: 100 kg for fixed shelves
65 kg for sliding shelves
- Colour : RAL 9005 black

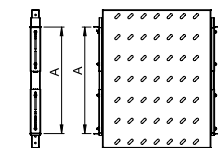


PRODUCT REFERENCE	DESCRIPTION	HxWxD (mm)
	19", heavy duty fixed shelf, adjustable in depth	50x483x720
	19", heavy duty sliding shelf, adjustable in depth, vented, complete with rear cable management system	50x483x720

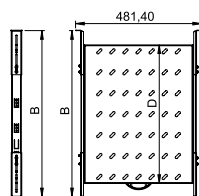
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7.4.2. FIXED AND SLIDING SHELVES

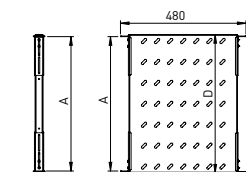
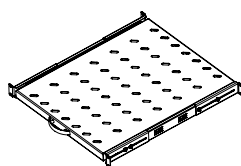
- Fixing points at the sides of rear and front 19" mounting angles
- Vented for air circulation
- Adjustable depth
- Material: sheet steel
- Load carrying capacity: 50 kg for fixed shelves
30 kg for sliding shelves
- Colour: RAL 9005 black



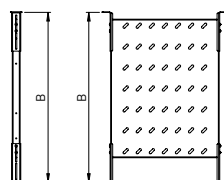
Minimum distance between uprights



Maximum distance between uprights



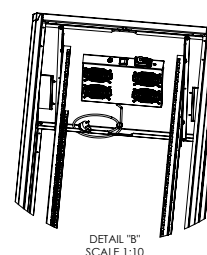
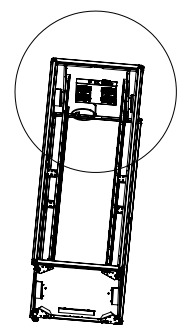
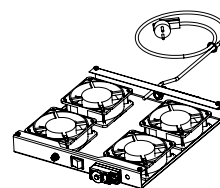
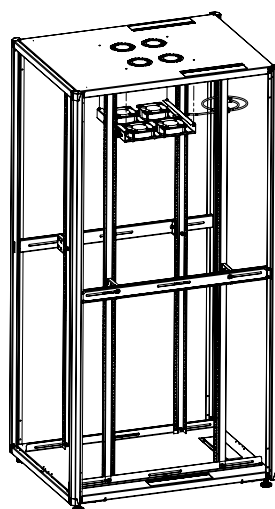
Minimum distance between uprights



Maximum distance between uprights

7.5. FAN MODULE

Fan specifications:
Frequency: 50/60 Hz
Input power: 8/7W
Rated voltage: 220 VAC
Noise level: 38 dB /32 Db
Fan dimensions: 120*120*38 mm
Max. air flow: 53(CFM) /37(CFM)



DETAIL "B"
SCALE 1:10

PRODUCT REFERENCE	DESCRIPTION
E4S1U42	D= 600 mm fixed shelf module with slots, load capacity 50 kg., Ral9005, depth of the shelf D= 372 mm, 4-points fixed. Only suitable for 600 mm depth cabinets.
E4S1U62	D= 800 mm fixed shelf module with slots, load capacity 50 kg., Ral9005, depth of the shelf D= 530 mm, 4-points fixed. Only suitable for 800 mm depth cabinets.
E4S1U82	D= 1000 mm fixed shelf module with slots, load capacity 50 kg., Ral9005, depth of the shelf D= 696 mm, 4-points fixed. Only suitable for 1000 mm depth cabinets.
E4S1U45A	D= 600 mm sliding shelf module with slots, load capacity 30 kg., Ral9005, depth of the shelf D= 372 mm, 4-points fixed. Only suitable for 600 mm depth cabinets.
E4S2U55A	D= 800 mm sliding shelf module with slots, load capacity 30 kg., Ral9005, depth of the shelf D= 530 mm, 4-points fixed. Only suitable for 800 mm depth cabinets.
E4S2U65A	D= 1000 mm sliding shelf module with slots, load capacity 30 kg., Ral9005, depth of the shelf D= 696 mm, 4-points fixed. Only suitable for 1000 mm depth cabinets.

PRODUCT REFERENCE	DESCRIPTION
EC2V	Fan module, 4 fan + analog thermostat, 2P+E plug, schuko std.
EC4V	Fan module, 2 fan + analog thermostat, 2P+E plug, schuko std.

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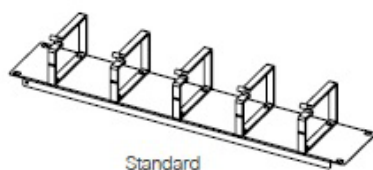
7.6. HORIZONTAL CABLE MANAGER

Horizontal Cable Manager, Metal

- The range is suitable for all 19" applications.
- Sheet steel, easy to install and mount.
- Rings: 5 pcs. cable hook
- Colour: RAL 9005 black

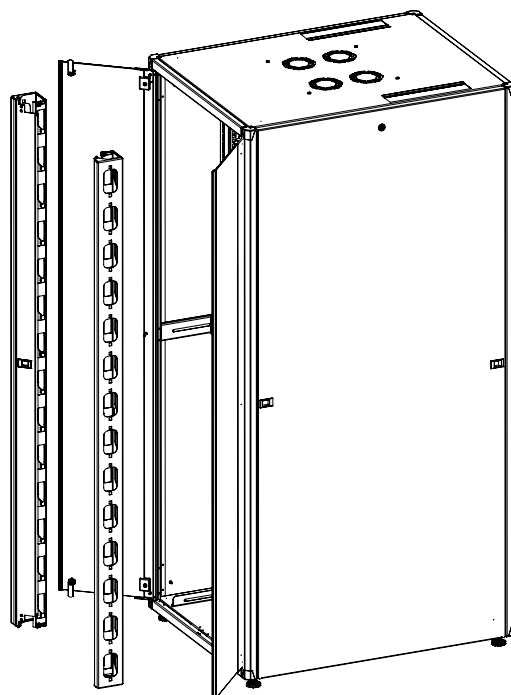
New Horizontal Cable Manager, Finger type

- The aim of the new 19" horizontal cable manager with finger type is to give more area for cabling.
- Horizontal cable manager has 6 pcs. finger type and 1 pcs cover.
- Cover mounting plastics could be used as hinge.
- Compatible with vertical cable manager with plastic ring and 19" rack cabinets.
- Cover is made of aluminium.



7.7. VERTICAL CABLE MANAGER

- Plastic rings are used and provide professional cabling.
- Vertical cable manager consists of plastic rings and 2 ea. covers.
- Covers are produced as aluminium due to lightness.
- Compatible with 19" rack cabinets.
- It can be moved to front or back with mounting angle.

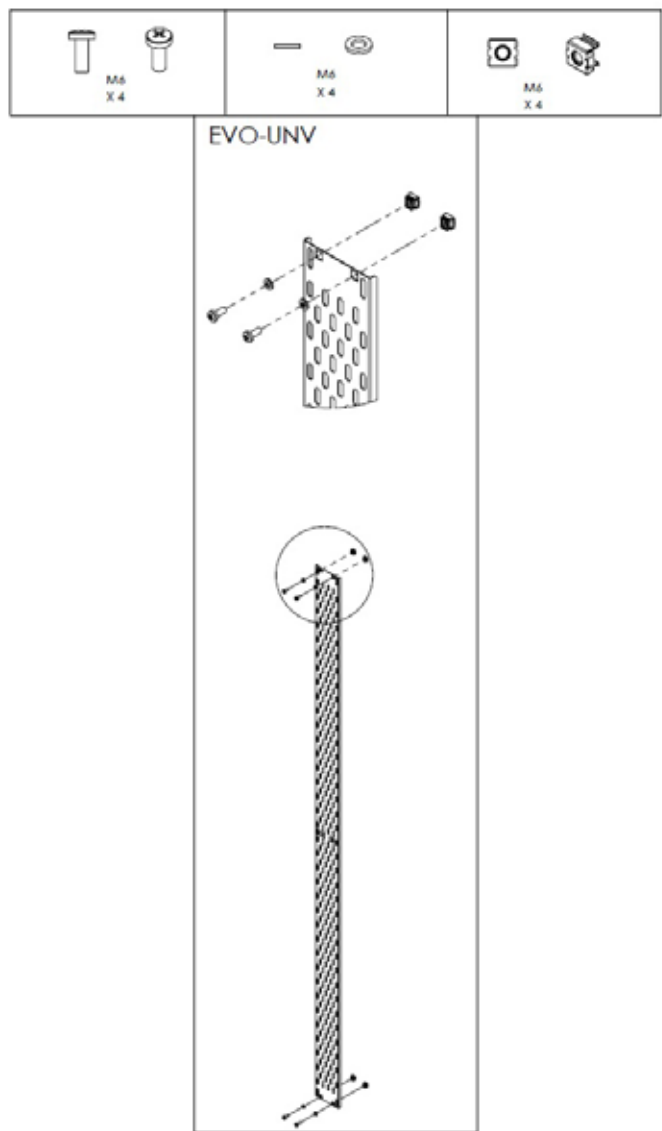


PRODUCT REFERENCE	DESCRIPTION	HxWxD (mm)
EHPM1UM	1U 19" cable management panels with 5 metal rings	483x80x44
EHPM1UP	1U 19" cable management panels with 4 plastic rings	483x80x44
EHPM2UM	2U 19" cable management panels with 5 rings	483x76x89

PRODUCT REFERENCE	DESCRIPTION
EVPM321	32U Vertical Cable Organizer
EVPM421	42U Vertical Cable Organizer
EVPM441	44U Vertical Cable Organizer
EVPM471	47U Vertical Cable Organizer

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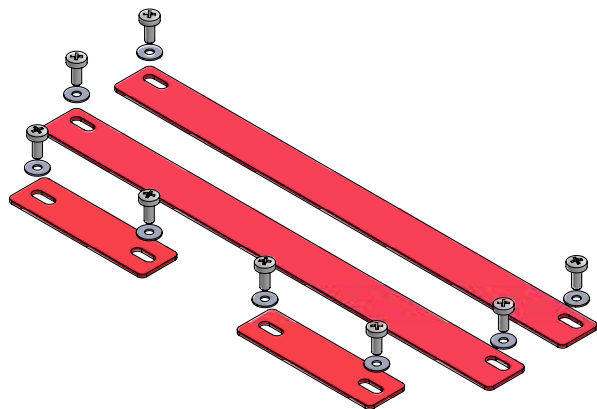
7.8. CABLE TRAY



PRODUCT REFERENCE	DESCRIPTION
EVCT22	Cable Tray, 22U, w= 100 mm
EVCT26	Cable Tray, 26U, w= 100 mm
EVCT32	Cable Tray, 32U, w= 100 mm
EVCT42	Cable Tray, 42U, w= 100 mm
EVCT44	Cable Tray, 44U, w= 100 mm
EVCT47	Cable Tray, 47U, w= 100 mm

7.11. BAYING KIT

Cable cross section: 4 mm²
Cable length: 150 mm (2 pcs.)
Cable length: 250 mm (4 pcs.)



PRODUCT REFERENCE	DESCRIPTION
EBAYK1	Baying kit

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7.12. LED LIGHT

- Different dimensions.
- 2 different connection apparatus to connect units.
- Effective and powerful lightning.
- Light and strong structure.
- Economical solution.

Dimension: L500/L800/L1000*25*13,5 mm
 Input: DC12V
 Emitting Colour: White (5000-6500K)
 Ra: 70-80
 Power: 5W / 8,5W / 10,5W
 Material: Alu+Glass
 Luminous Flux: 360~450lm
 Adaptor Capacity: 36W
 Other Length: 300 mm, 500 mm, 800 mm, 1000 mm
 Quick Details
 Light Source: LED
 Item Type: Cabinet Lights
 LED Light Source: SMD 3014
 Install Style: Wall Mounted
 Shade Type: PC
 Shade Direction: Down
 Input Voltage(V): DC12V
 Lamp Power(W): 5W / 8,5W / 10,5W
 Lamp Luminous
 Flux(lm): 350-450LM
 Lamp Luminous
 Efficiency(lm/w): 85
 CRI (Ra>): 75
 Color Temperature
 (CCT): Pure White
 Certification: CE, EMC, RoHS, UL
 Emitting Color: White
 Color: Cold White
 Life: 30,000h
 Material: PC+Alu
 IP grade: IP 2

PRODUCT REFERENCE	DESCRIPTION	HxWxD (mm)
ELF300M	LED LIGHT	10X300X30