

UniversalLine freestanding cabinets

1. GENERAL CHARACTERISTICS

The UniversalLine free standing rack cabinets are suitable for office, equipment room, housing server and cabling closet installations. UniversalLine 19" rack cabinets are metal and provide IP20 protection.

The main parts of UniversalLine 19" free standing cabinets are;

- Four 19" adjustable uprights in depth.
- Front door with glass door, metal door and perforated door options.
- Removable and lockable 2 side panels.
- Rear door with solid metal door and perforated door options.
- Load carrying capacity is 600 kg
- Standard colour options are RAL 9003 signal white, RAL 9005 black

Construction of the UniversalLine free standing rack cabinet is basically 24 fold frames for increased stability. Pagoda style top cover provides protection against dust flow from the top. Moreover, this causes a chimney effect to provide passive air flow via convection. Leveling feet included as a standard feature. Also, compatible with caster group. If needed, removable fan could be easily assembled to the top cover.

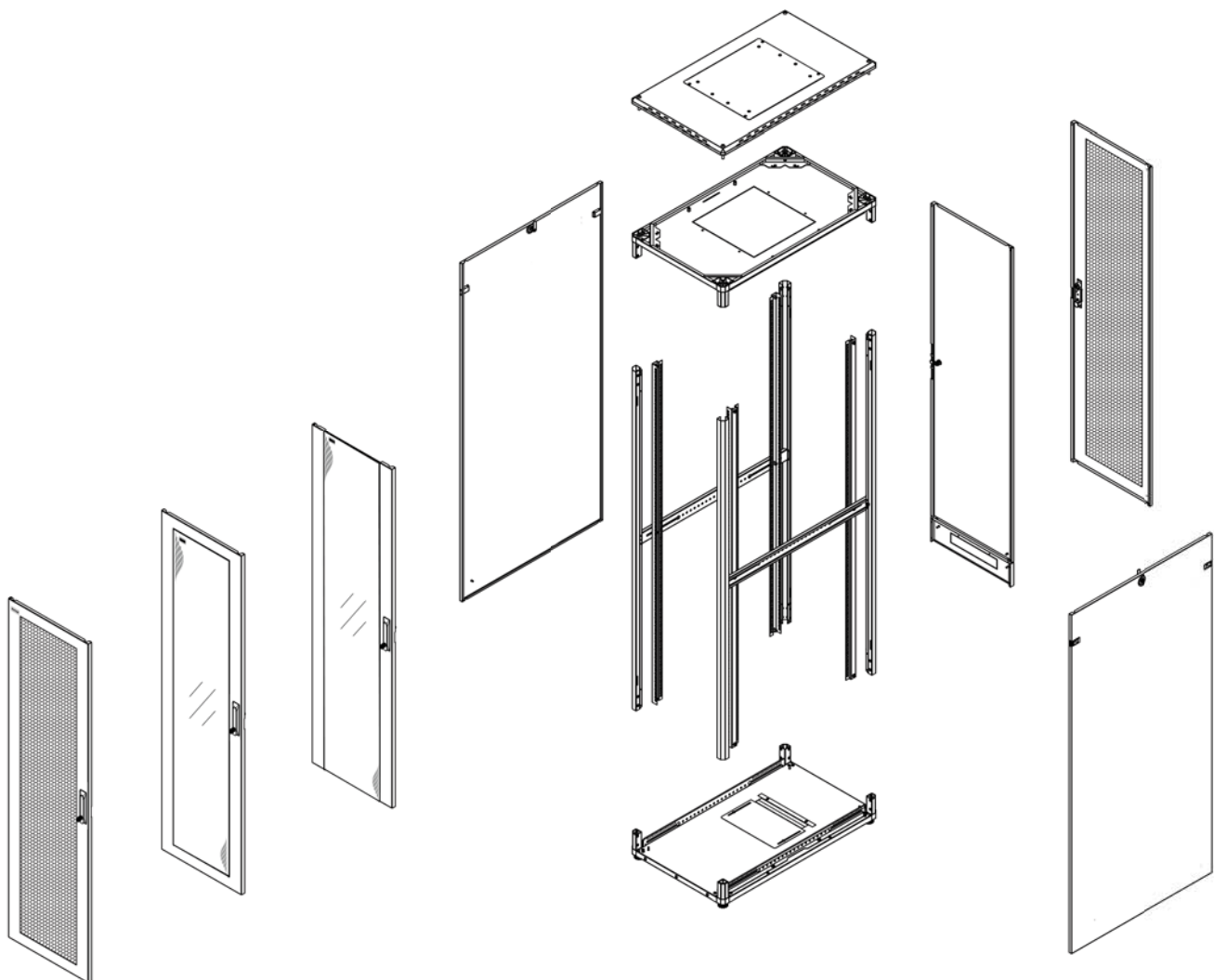
Front door features a full-length smoked and shatterproof glass door with left and right metal frames and integral locking mechanism. The door hinge is easily swapped from one side to the other to change the direction of the door opening.

Rear door is lockable and removable. Solid metal or perforated door options are available. The door hinge is easily swapped from one side to the other to change the direction of the door opening.

Side doors are removable, lockable, complete with a lock. Thus, possible to 4-way access to equipment. Secure, locking front and back doors with spring loaded hinges offer best accessibility even when connecting the cabinets.

Cable entries; Bottom chassis: Sliding cover plate.

Rear door*: Microjoint



Exploded view

* If needed, cable entry could be mounted on top of the rear door.

UniversalLine freestanding cabinets

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

- Permissible load: 600 kg

2.3 DESIGN

- Tightly fixed into top and bottom base units 6 times bended
- Uprights, top and bottom base units are solid metal with 1,5 mm thickness
- Top and bottom base units construction is completely modular structure
- Side panels made of 0,8 mm thick sheet steel. Special design punch form provides extra strength to side panel.
- Front door, shatterproof glass with left and right frame
- Front door opening angle is 125 degree
- Glass, 4 mm thickness full-length smoked, shatterproof, tempered, secure
- Cabinet standard colours RAL 9003 signal white and RAL 9005 black

2.4 CORROSION RESISTANCE

- ISO9227 and ASTM B 117-85

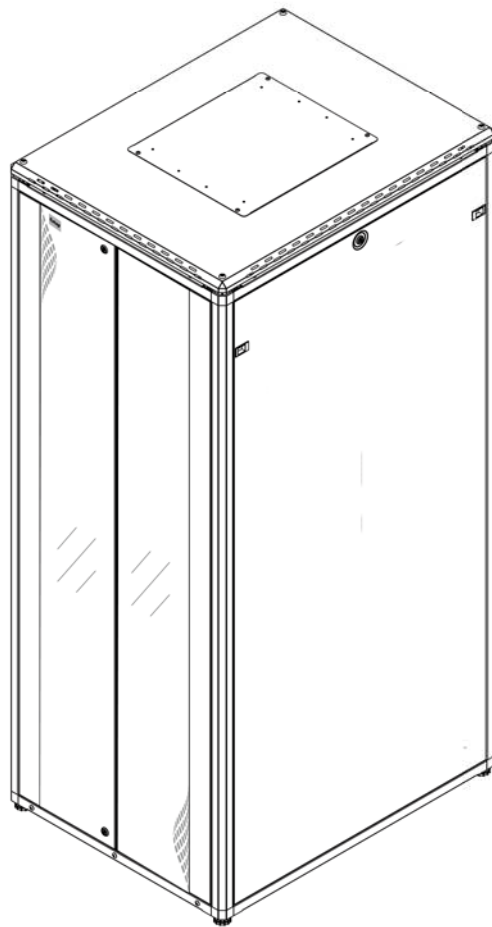
2.5 PROPERTIES OF THE PAINTING COATING

- Electrostatic powder coated c/with surface treatment, 60 – 120 micron paint thickness and tested according to IEC 60068-2-1, 2-2, 2-30, 2-42, 2-43, 2-49, 2-11
- Excellent impact and scratch resistance
- Excellent resistance to cleaning agents (excluding strong chlorinated, fluorinated and ketone solvents) Some products may change appearance, It is therefore advisable to carry out a test first.

3. STANDARDS

Estep UniversalLine freestanding cabinets comply with the following standards:

- ISO 9001: 2008 Quality Management Systems
- ISO 14001: 2004 Environmental Management System
- 19" mounting to IEC 297-1
- EN 61587-1 mechanical structures (cabinets for electronic equipment)
- Overall cabinet dimensions for IEC 297-2

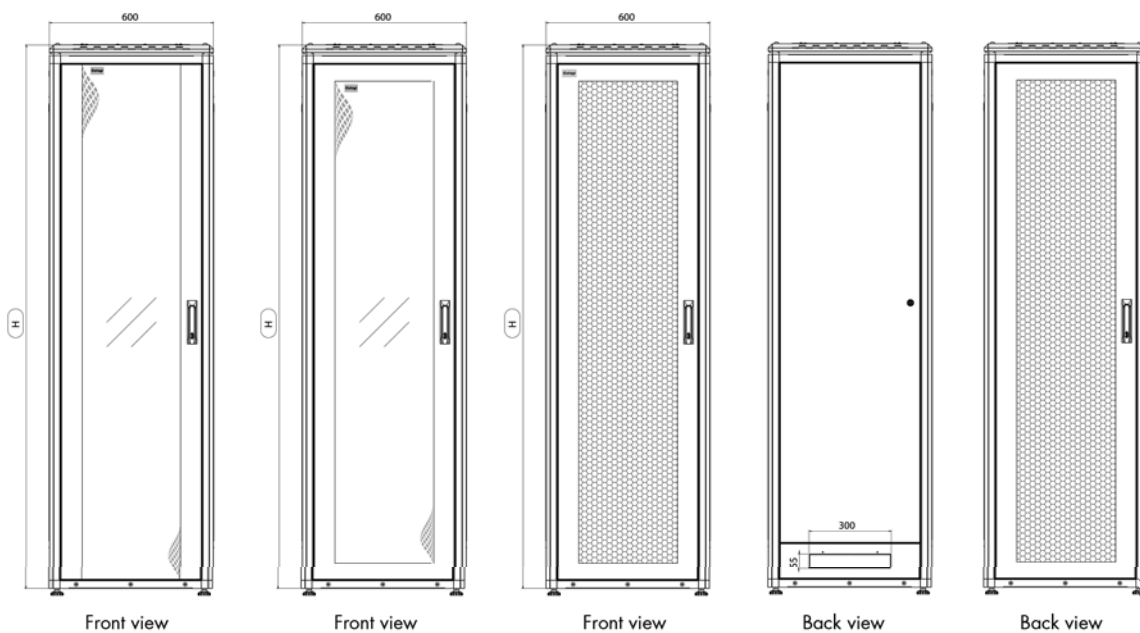


Iso view

UniversalLine freestanding cabinets - W=600

4. DIMENSIONS

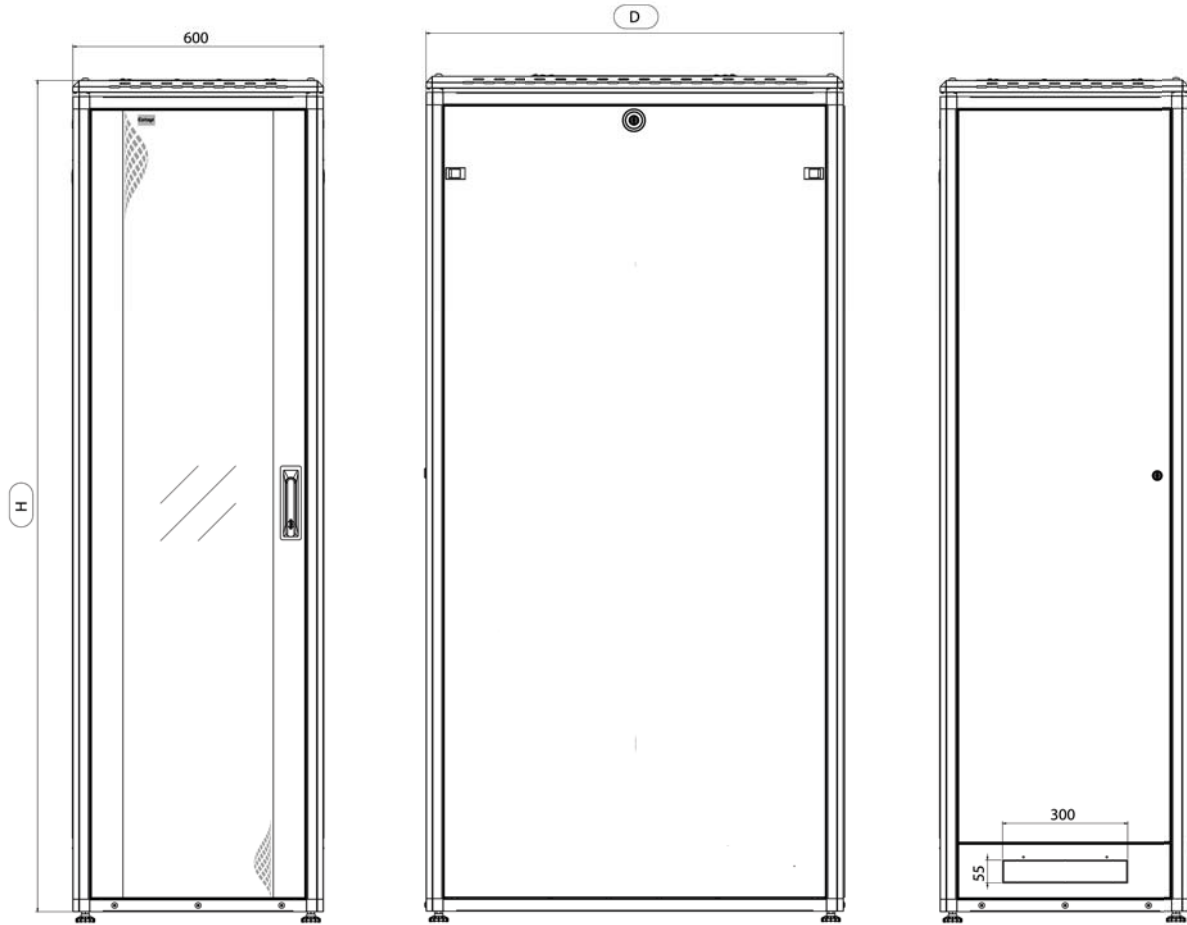
Part number	U size	W	D	H	Depth: Max. Mounting (mm)	Height: Max. Mounting (mm)	Height: With Levelling Feet (mm)	Height: Without Levelling Feet (mm)	Height: With Caster Set (mm)
UNV16U6060	16U	600	600	842	490	742	867	842	925
UNV16U6080	16U	600	800	842	690	742	867	842	925
UNV20U6060	20U	600	600	1020	490	920	1045	1020	1103
UNV20U6080	20U	600	800	1020	690	920	1045	1020	1103
UNV22U6060	22U	600	600	1109	490	1009	1134	1109	1192
UNV22U6080	22U	600	800	1109	690	1009	1134	1109	1192
UNV26U6060	26U	600	600	1287	490	1187	1312	1287	1370
UNV26U6080	26U	600	800	1287	690	1187	1312	1287	1370
UNV26U60100	26U	600	1000	1287	890	1187	1312	1287	1370
UNV32U6060	32U	600	600	1554	490	1454	1579	1554	1637
UNV32U6080	32U	600	800	1554	690	1454	1579	1554	1637
UNV32U60100	32U	600	1000	1554	890	1454	1579	1554	1637
UNV36U6060	36U	600	600	1731	490	1631	1796	1731	1814
UNV36U6080	36U	600	800	1731	690	1631	1796	1731	1814
UNV36U60100	36U	600	1000	1731	890	1631	1796	1731	1814
UNV39U6060	39U	600	600	1865	490	1765	1890	1865	1948
UNV39U6080	39U	600	800	1865	690	1765	1890	1865	1948
UNV42U6060	42U	600	600	1998	490	1898	2023	1998	2081
UNV42U6080	42U	600	800	1998	690	1898	2023	1998	2081
UNV42U60100	42U	600	1000	1998	890	1898	2023	1998	2081
UNV44U6060	44U	600	600	2110	490	2010	2135	2110	2193
UNV44U6080	44U	600	800	2110	690	2010	2135	2110	2193
UNV47U6060	47U	600	600	2220	490	2120	2245	2220	2303
UNV47U6080	47U	600	800	2220	690	2120	2245	2220	2303
UNV47U60100	47U	600	1000	2220	890	2120	2245	2220	2303



H= Enclosure height

UniversalLine freestanding cabinets - W=600

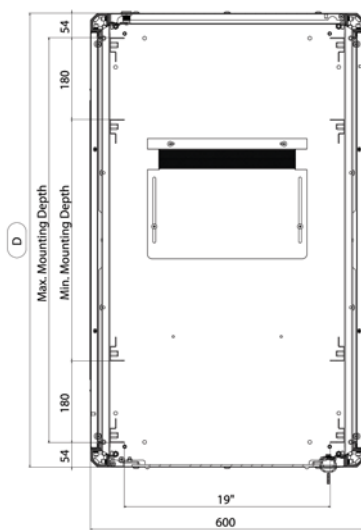
5. TECHNICAL DRAWINGS



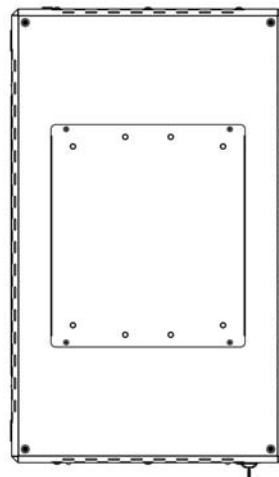
Front view

Side view

Back view



Bottom view



Top view

H= Enclosure height

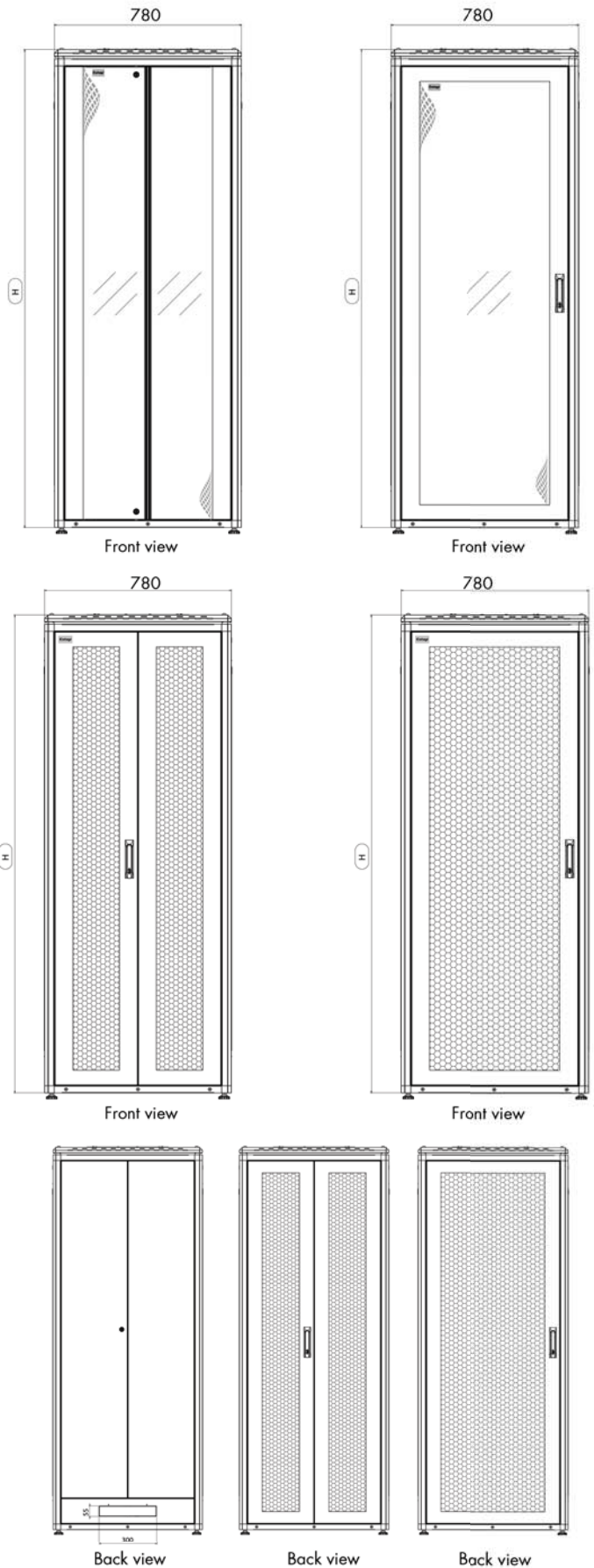
UniversalLine freestanding cabinets - W=800

6. RANGE

Part number	U Size	Width: Overall (mm)	Depth: Overall (mm)
UNV26U7880	26U	780	800
UNV26U78100	26U	780	1000
UNV32U7860	32U	780	600
UNV32U7880	32U	780	800
UNV36U7860	36U	780	600
UNV36U7880	36U	780	800
UNV39U7860	39U	780	600
UNV39U7880	39U	780	800
UNV42U7860	42U	780	600
UNV42U7880	42U	780	800
UNV42U78100	42U	780	1000
UNV47U7860	47U	780	600
UNV47U7880	47U	780	800
UNV47U78100	47U	780	1000

STANDARDS:

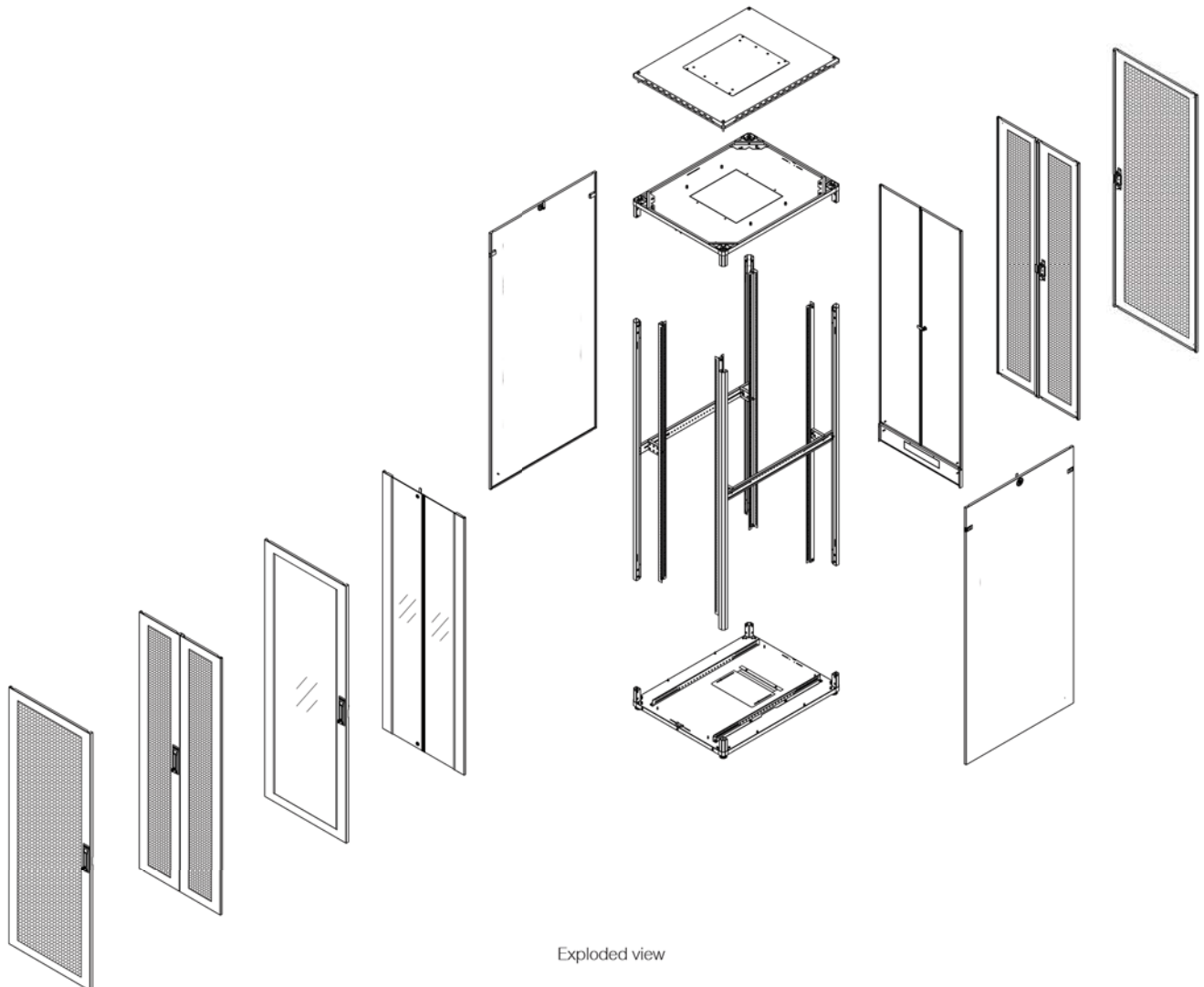
- ISO 9001: 2008 Quality Management Systems
- ISO 14001: 2004 Environmental Management System
- 19" mounting to IEC 297-1
- EN 61587-1 mechanical structures (cabinets for electronic equipment)
- Overall cabinet dimensions for IEC 297-2



H= Enclosure height

UniversalLine freestanding cabinets - W=800

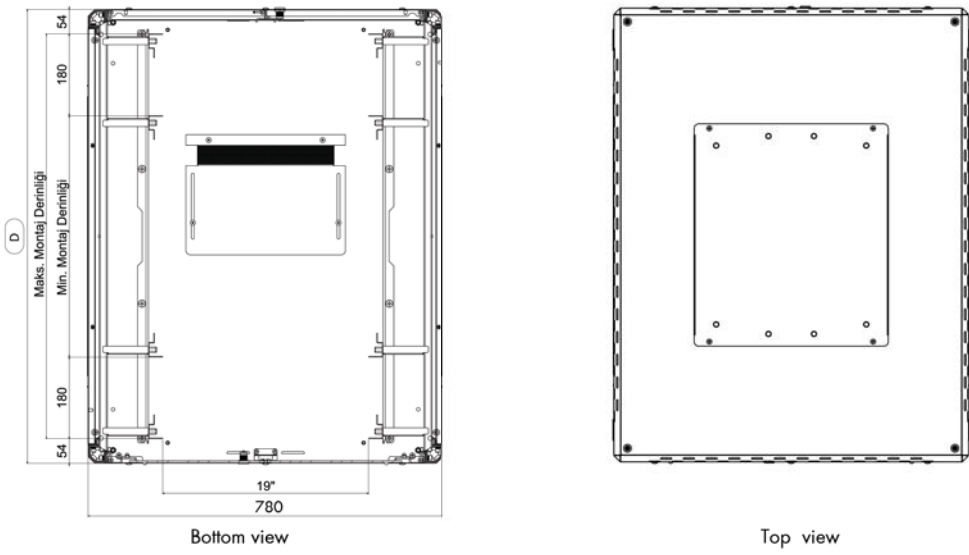
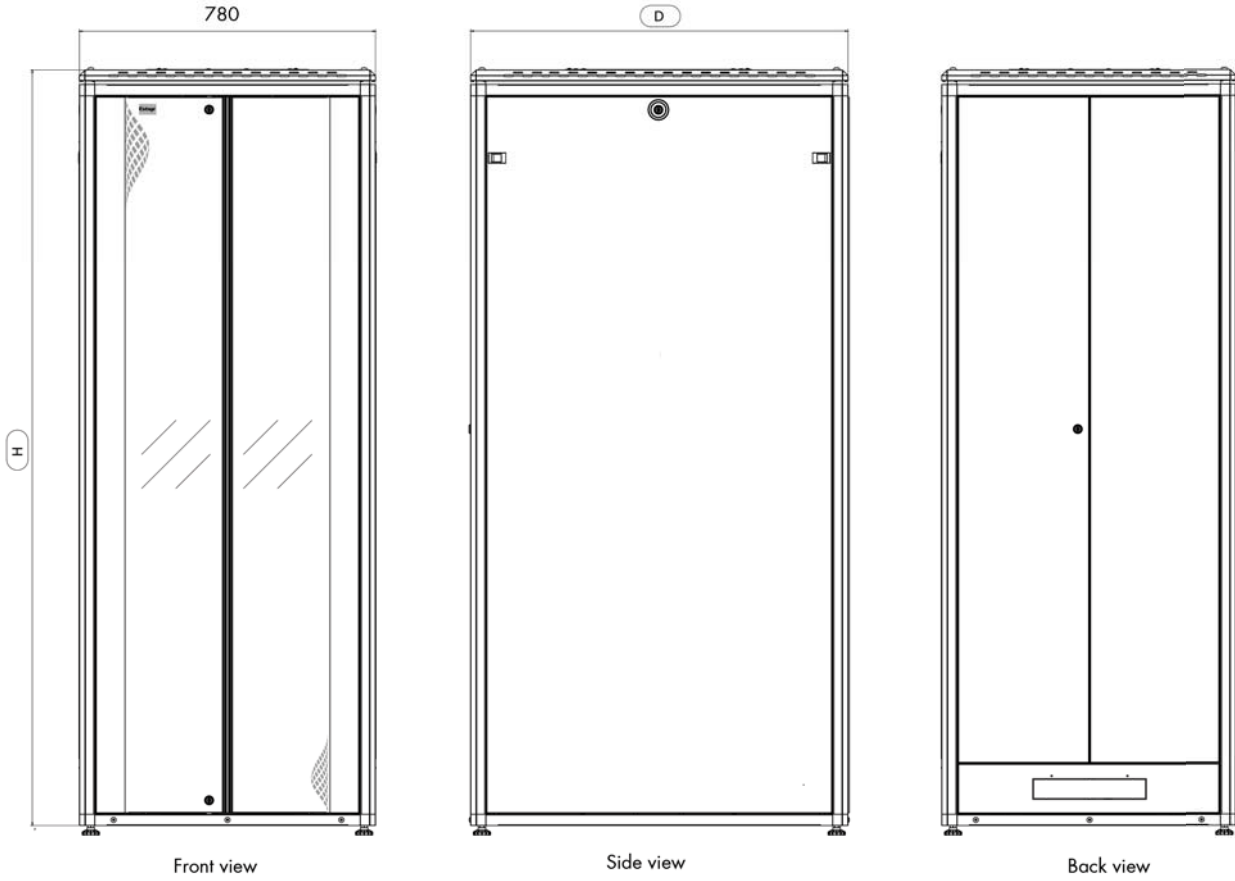
Part number	U size	W	D	H	Depth: Max. Mounting (mm)	Height: Max. Mounting (mm)	Height: With Levelling Feet (mm)	Height: Without Levelling Feet (mm)	Height: With Caster Set (mm)
UNV26U7880	26U	780	800	1287	690	1187	1312	1287	1370
UNV26U78100	26U	780	1000	1287	890	1187	1312	1287	1370
UNV32U7860	32U	780	600	1554	490	1454	1579	1554	1637
UNV32U7880	32U	780	800	1554	690	1454	1579	1554	1637
UNV36U7860	36U	780	600	1731	490	1631	1796	1731	1814
UNV36U7880	36U	780	800	1731	690	1631	1796	1731	1814
UNV39U7860	39U	780	600	1865	490	1765	1890	1865	1948
UNV39U7880	39U	780	800	1865	690	1765	1890	1865	1948
UNV42U7860	42U	780	600	1998	490	1898	2023	1998	2081
UNV42U7880	42U	780	800	1998	690	1898	2023	1998	2081
UNV42U78100	42U	780	1000	1998	890	1898	2023	1998	2081
UNV44U7860	44U	780	600	2110	490	2010	2135	2110	2193
UNV44U7880	44U	780	600	2110	690	2010	2135	2110	2193
UNV47U7860	47U	780	600	2220	490	2120	2245	2220	2303
UNV47U7880	47U	780	800	2220	690	2120	2245	2220	2303
UNV47U78100	47U	780	1000	2220	890	2120	2245	2220	2303



Exploded view

UniversalLine freestanding cabinets - W=800

7. TECHNICAL DRAWINGS



H= Enclosure height

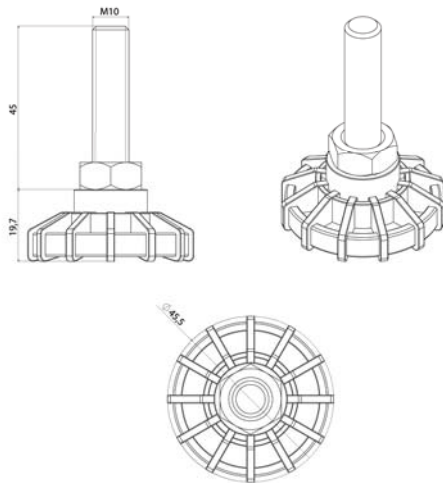
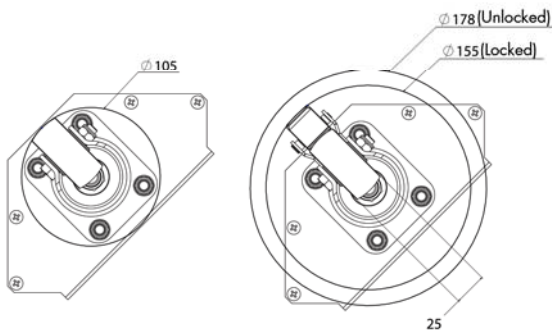
UniversalLine freestanding cabinets

8. ACCESSORIES

All UniversalLine accessories are compatible with "New UniversalLine" but, shelves, vertical cable manager and plinth.

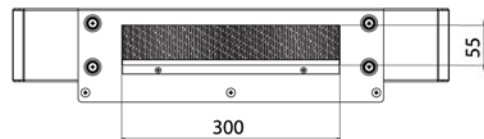
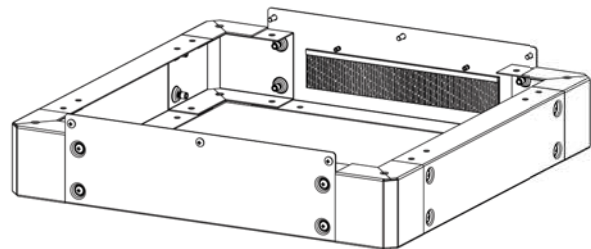
8.1. CASTER&LEVELLING FEET

- Rotational type, heavy duty
- 2 ea. front are lockable
- Load capacity per caster: 250 kg
- Load capacity per levelling feet: 250 kg.
- Levelling feet: Possible to adjust height of the feet from the floor.



8.2. 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 9003 signal white
RAL 9005 black



Part Number	WxDxH (mm)	W=600	W=600	W=600	W=800	W=800	W=800
		D=600	D=800	D=1000	D=600	D=800	D=1000
M11PNT66UNV	600x600x100	X					
M11PNT68UNV	600x800x100		X				
M11PNT610UNV	600x1000x100			X			
M11PNT86UNV	780x600x100				X		
M11PNT88UNV	780x800x100					X	
M11PNT810UNV	780x1000x100						X

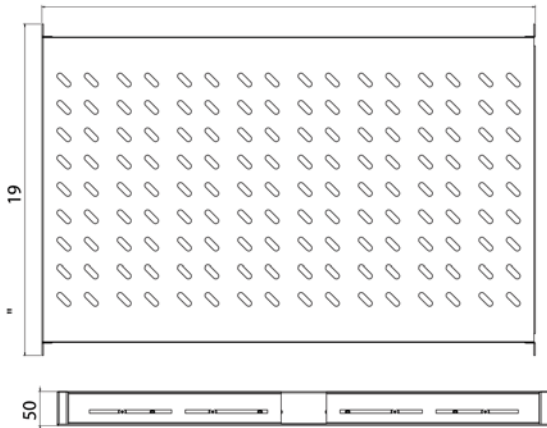
Part Number	WxDxH (mm)	W=600	W=600	W=600	W=800	W=800	W=800
		D=600	D=800	D=1000	D=600	D=800	D=1000
M22TKGR_YUNV	70x80x80	X	X	X	X	X	X
M11PNY02	45xh (minh=30 maxh=45)	X	X	X	X	X	X
M11PNY35	45xh (minh=35 maxh=50)	X	X	X	X	X	X
M11PNY99	45xh (minh=35 maxh=90)	X	X	X	X	X	X

UniversalLine freestanding cabinets

8.3. SHELVES

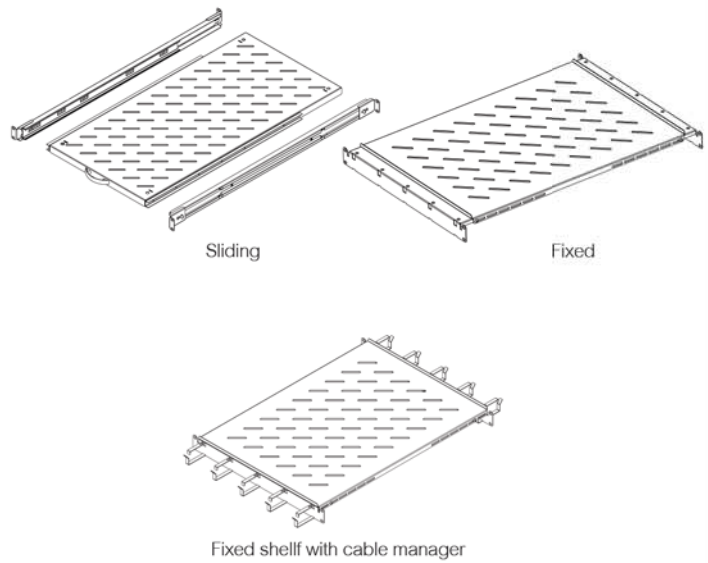
8.3.1. HEAVY DUTY TYPE SHELF

- 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 silding shelves
 - Colour : RAL 9003 signal white
RAL 9005 black
- 720



8.3.2. FIXED AND SLIDING SHELVES

- Fixing points at the sides of rear and front 19" mounting angles
- Compatible with 19" profiles
- Vented for air circulation, material sheet steel
- Load carrying capacity : 50 kg for fixed shelves
25 kg for sliding shelves
- Colour : RAL 9003 signal white
RAL 9005 black



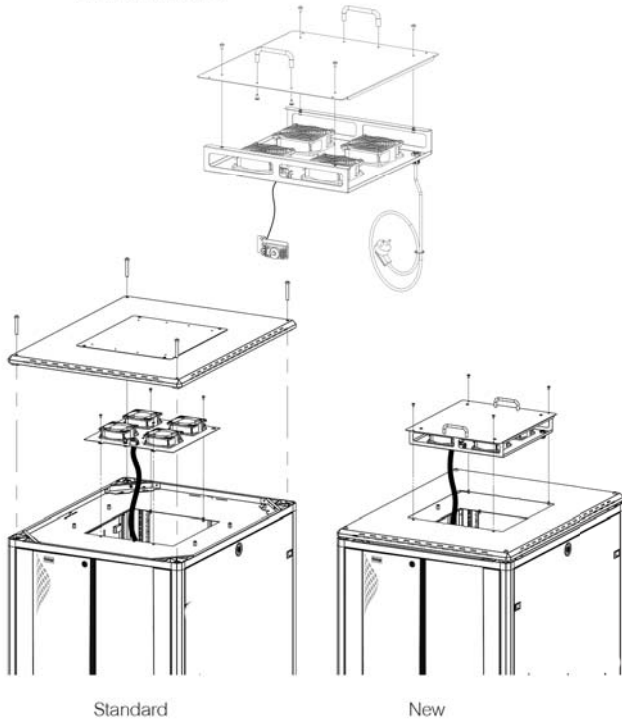
Part Number	WxDxH (mm)	W=600 D=600	W=600 D=800	W=600 D=1000	W=800 D=600	W=800 D=800	W=800 D=1000
M55SR720	483x720x50			X			X
M55HR720	483x720x50			X			X

Part Number	WxDxH (mm)	W=600 D=600	W=600 D=800	W=600 D=1000	W=800 D=600	W=800 D=800	W=800 D=1000
M44SBR60KDM	483X425X44	X			X		
M44SBR80KDM	483X625X44		X			X	
M44SBR100KDM	483X825X44			X			X
M44KNCKDM	483X80X44	X	X	X	X	X	X
M44HRK60KM	483X425X44	X			X		
M44HRK80KM	483X625X44		X			X	
M44HRK100KM	483X825X44			X			X

UniversalLine freestanding cabinets

8.4. FAN

- Thermostat-air temperature controller
- Range: 0-35 degree, below set point fan does not activate
- Above set point fan units start ventilation. Complete with inner wiring.
- Noise: 47 db (reduced noise is optional)
- A fan provides 2,33 / m3. Air removal, CFM:80
- Colour : RAL 9003 signal white
RAL 9005 black



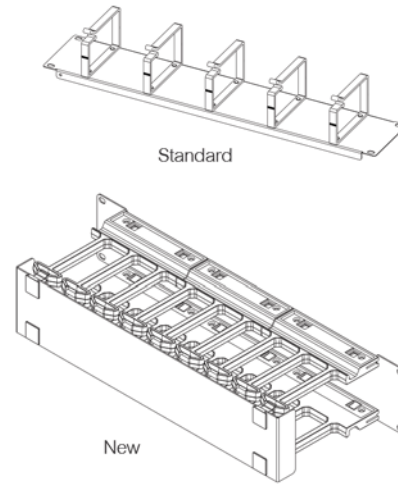
8.5 . HORIZONTAL CABLE MANAGER

Horizontal Cable Manager, Metal

- The range is suitable for all 19" applications.
- Sheet steel, easy to install and mount.
- Rings: 5 ea. cable hook
- Colour: RAL 9003 signal white
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 ea. finger type and 1 ea. 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.



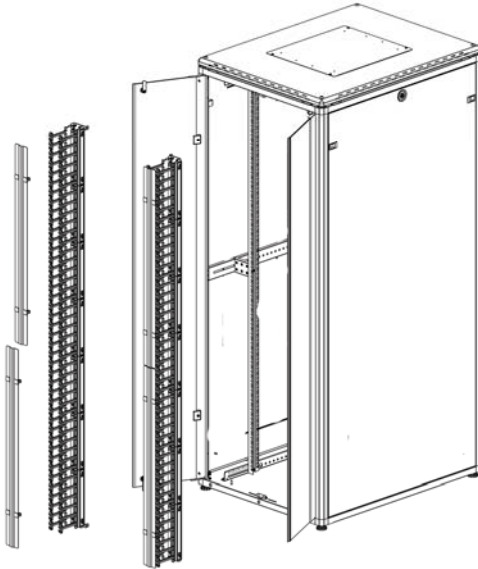
Part Number	WxDxH (mm)	W=600 D=600	W=600 D=800	W=600 D=1000	W=800 D=600	W=800 D=800	W=800 D=1000
M44HV2FTKM	450x410x80	X	X	X	X	X	X
M44HV4FTKM	450x410x80	X	X	X	X	X	X
M44HV2F	440x400x65	X	X	X	X	X	X
M44HV4F	440x400x65	X	X	X	X	X	X
M44HV2FT	440x400x65	X	X	X	X	X	X
M44HV4FT	440x400x65	X	X	X	X	X	X
E44HV2F	483x150x44	X	X	X	X	X	X
E44HV4F	483x300x44	X	X	X	X	X	X

Part Number	WxDxH (mm)	W=600 D=600	W=600 D=800	W=600 D=1000	W=800 D=600	W=800 D=800	W=800 D=1000
E44ORG1U	483x80x44	X	X	X	X	X	X
E44ORG2U	483x80x88	X	X	X	X	X	X
E44ORG1UPLST	483x80x44	X	X	X	X	X	X
E44ORG1UN	483x80x44	X	X	X	X	X	X
E44ORG1F	483x100x22	X	X	X	X	X	X
E44ORG2F	483x124x44	X	X	X	X	X	X
E44ORG2F-BN	483x10x44	X	X	X	X	X	X
E44ORG2UFT	483x166x88	X	X	X	X	X	X

UniversalLine freestanding cabinets

8.6. 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.



8.7. 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 20

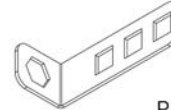
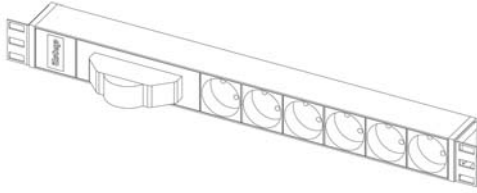
Part Number	WxDxH (mm)	W=600	W=600	W=600	W=800	W=800	W=800
		D=600	D=800	D=1000	D=600	D=800	D=1000
M44ORG26UNV	73X168X1160				X	X	X
M44ORG32UNV	73X168X1450				X	X	X
M44ORG36UNV	73X168X1620				X	X	X
M44ORG39UNV	73X168X1760				X	X	X
M44ORG42UNV	73X168X1893				X	X	X
M44ORG44UNV	73X168X1982				X	X	X
M44ORG47UNV	73X168X2116				X	X	X

Part Number	WxDxH (mm)	W=600	W=600	W=600	W=800	W=800	W=800
		D=600	D=800	D=1000	D=600	D=800	D=1000
MAYDNLED-IRM	300X30X10	X	X	X	X	X	X

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8.8. PDU

Estep has a wide range of PDU products. Please contact sales departments for additional PDU needs.



Part number: PSHOLDUNV
PDU mounting part is needed
for mounting PDU vertically

Part number	Product definition	WxDxH (mm)
M443AL	3xDIN49440 Socket Schuko PDU, 19", 1U, aluminium profile frame, 1x16A MCB, 4000 Watt, 250 Vac, 3x1.5 mm ² , 3 m cord with DIN 49441 plug, CE mark	483 (19") x 44.4x44.4
M446AL	6xDIN49440 Socket Schuko PDU, 19", 1U, aluminium profile frame, 1x16A MCB, 4000 Watt, 250 Vac, 3x1.5 mm ² , 3 m cord with DIN 49441 plug, CE mark	483 (19") x 44.4x 44.4
M446ALUK	6xBS1363 UK Socket PDU, 19", 1U, aluminium profile frame, 16A On/Off Lighted Switch, 4000 Watt, 250 Vac, 3x1.5 mm ² , 3 m cord with 13A BS1363 plug, CE mark	483 (19") x 44.4x44.4
M446ALD	6xDIN49440 Socket Schuko PDU, double circuit (3+3) 19" with aluminium profile frame, 2x16A MCB, 4000 Watt, 250 Vac, 3x1.5 mm ² , 2,5 m cord with DIN 49441 plug	483 (19") x 44.4x44.4
M446STD	6xDIN49440 Socket Schuko PDU, 19", 1U, aluminium profile frame, 16A On/Off Lighted Switch, 4000 Watt, 250V AC, 3x1.5 mm ² , 3 m cord with DIN 49441 plug, CE mark	483 (19") x 44.4x 44.4
M446ALSP	6xDIN49440 Socket Schuko Surge Arrest PDU, 19", 1U, aluminium profile frame, 16A On/Off Lighted Switch, 4000 Watt, 250 Vac, 3x1.5 mm ² , 3 m cord with DIN 49441 plug, CE mark	483 (19") x 44.4x 44.4
M446ALIEC	6xIEC 320 C13 Socket PDU, 19", aluminium profile frame, 1x16A MCB, 4000 Watt, 250 Vac, IEC 320 C14 plug	483 (19") x 44.4x 44.4
M446ALDIEC	6xIEC 320 C13 Socket PDU, double circuit (3+3), 19" aluminium profile frame, 1x16A MCB, 4000 Watt, 250V AC, IEC 320 C14 plug	483 (19") x 44.4x 44.4
M449ALC	9xDIN49440 Socket Schuko PDU, 19" 2U, aluminium profile frame, 1x16A MCB, 4000 Watt, 250V AC, 3x1.5 mm ² , 3m cord with DIN 49441 plug, CE mark	483 (19") x 44.4x 88.8
M449ALCIEC	9xIEC 320 C13 Socket PDU, 19", aluminium profile frame, 1x16A MCB, 4000 Watt, 250 Vac, IEC 320 C14 plug	483 (19") x 44.4x 44.4
M449ALCD	9xDIN49440 Socket Schuko PDU, double circuit (4+5), 19", with aluminium profile frame, 2x16A MCB, 4000 Watt, 250 Vac, 3x1.5 mm ² , 2,5 m cord with DIN 49441 plug	483(19") x44.4x120
M449ALDIEC	9xIEC 320 C13 Socket PDU, double circuit (4+5), 19", aluminium profile frame, 1x16A MCB, 4000 Watt, 250 Vac, IEC 320 C14 plug	483(19") x44.4x120
M441842ALD	18xDIN49440 Socket Schuko PDU, double circuit (9+9), vertical mounting, aluminium profile frame, 2x16A MCB, 250vac, suitable for 42U rack mounting, without cord	1890x42x60
M441847ALD	18xDIN49440 Socket Schuko PDU, double circuit (9+9), vertical mounting, aluminium profile frame, 2x16A MCB, 250 Vac, suitable for 47U rack mounting, without cord	2022x42x60
M441847ALDIEC	18xIEC 320 C13 Socket PDU, double circuit (9+9), vertical mounting, aluminium profile frame, 2x16A MCB, 250 Vac, suitable for 47U rack mounting, without cord	2022x42x60
M441842ALDIEC	18xIEC 320 C13 Socket PDU, double circuit (9+9), vertical mounting, aluminium profile frame, 2x16A MCB, 250 Vac, suitable for 42U rack mounting, without cord	1890x42x60
M442442ALD	24xDIN49440 Socket Schuko PDU, double circuit (12+12), 2x16A MCB, 250 Vac, suitable for 42U rack mounting, without cord	1890x42x60
M442442ALDIEC	24xIEC 320 C13 Socket PDU, double circuit (12+12), 2x16A MCB, 250 Vac, suitable for 42U rack mounting, without cord	1890x42x60
M446ALIECAMP	6xIEC 320 C13 Socket PDU with Ampermeter Display, 19", 1U, aluminium profile frame, 1x16A MCB, 4000 Watt, 250 Vac, 3x2.5 mm ² , 3 m cord with IEC60309 plug (16A 2P+E), CE mark	483 (19") x44.4x44.4
M4424ALIECAMPMCB	24xIEC 320 (20xC13 + 4xC19) Socket PDU with Ampermeter Display, vertical mounting, aluminium profile frame, 2x16A MCB, 8000 Watt, 250 Vac, 3x6.0 mm ² , 3 m cord with IEC60309 plug (32A 2P+E), CE mark	1648x44.4x62
M4420ALIECMONITOR	20xIEC 320 (16xC13 + 4xC19) Socket MONITORED IP PDU with Ampermeter Display, Vertical mounting, aluminium profile frame, 2x16A MCB, 8000 Watt, 250V AC, 3x6.0 mm ² , 3 m cord with IEC60309 plug (32A 2P+E), CE mark, daisy-chain function upto 10 units, Remote Monitoring port	1744x88.8x44.4
M4420ALIECMANAGED	20xIEC 320 (16xC13 + 4xC19) Socket, Socket Based MANAGED IP PDU with Ampermeter Display, vertical mounting, aluminium profile frame, 2x16A MCB, 8000 Watt, 250V AC, 3x6.0 mm ² , 3 m cord with IEC60309 plug (32A 2P+E), CE mark, daisy-chain function upto 10 units, Remote Monitoring	1744x88.8x44.4
M441836ALD	18xDIN49440 Socket Schuko PDU, double circuit (9+9), vertical mounting, aluminium profile frame, 2x16A MCB, 250 Vac, suitable for 36U rack mounting, without cord	1620x60x85
M441836ALDIEC	18xIEC 320 C13 Socket PDU, double circuit (9+9), vertical mounting, aluminium profile frame, 2x16A MCB, 250 Vac, suitable for 36U rack mounting, without cord	1620x42x60
M441226ALD	12xDIN49440 Socket Schuko PDU, double circuit (6+6), 2x16A MCB, 250 Vac, suitable for 26U rack mounting, without cord	1180x42x60
M441226ALDIEC	12xIEC 320 C13 Socket PDU, double circuit (6+6), 2x16A MCB, 250 Vac, suitable for 26U rack mounting, without cord	1180x42x60
PSHOLDUNV	PDU mounting part	65x25x1,5

UniversalLine freestanding cabinets

9. TECHNICAL SPECIFICATIONS

9.1. TESTS AND CERTIFICATIONS

Environment

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

Industrial Environment

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- / 5.3.3, IEC60917, C60297, IEC62208

Grounding continuity

EN61587-1 / 6.2, IEC60917 and IEC60297

Fire and flame resistance

EN61587-1 / 6.3, IEC60917 and IEC60297

Corrosion

ISO9227 and ASTM B 117-85

IP protection degree

IP20 according to EN61587-1, IEC 60529

PURCHASED PRODUCT CERTIFICATIONS

Sheet steel

DIN EN 10130 – 99 Ereğli DC-01 6112, 7122, RoHS

Electrostatic powder coating

ISO 9001, ISO 2178, ISO 2813, ISO 6272, ISO 8130-5, ISO 8130-3, RoHS

Fan

ISO 9001, CE (89/336/EEC EMC, 73/23/EEC LVD), RoHS

Glass

ISO 9001, EN 12150 – 1: 2000 tempered and secure

Fixings

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

Casters

TS EN 12530, TS EN 12532, RoHS

Lock

DIN 1743, DIN 53571, RoHS

9.2 KEY FEATURES

Main profile (framework) has an aesthetic structure which increases mechanical resistance and consisting of 6 bends for each profile. In total; 24 folds provide framework stability. Tested to provide (x, y, z) axis resistance that meets EN 61587-1/5.2.1 and 5.2.2 and external impact resistance that meets EN 61587-1/5.3.3.

Bottom and upper case have a structure which increases resistance and strength of cabinet by fixed and profile interlocking design. Profiles are manufactured to interlock bottom and upper case with screws. Cable access at bottom case has a sliding cover plate that would block dust inlet.

A rubber edge on the cable access plate with sliding structure, allows fixing of cables into the cabinet without any damage.

At the bottom of the rear door, there is cable entry with micro joint. Rear door in standard configuration for W=600 is single opening door, for W=800 is double opening doors. Rear door(s) is removable and lockable.

Side panels have a structure that can be opened and removed with slam latch and key and are lockable and removable. Special design punch form provides extra strength to side panel.

Front doors are a framed glass structure which is tempered, anti-static, secure and smoked glass (4 mm thickness) according to EN 12150-1:2000 standard. Front door in standard configuration has left and right metal frame structure with high density polyurethane adhesive and screw.

Removable and lockable with handle type locking unit.

Pagoda style vented top panel with a dedicated space of ventilation fan module system allows easy installation of max. 4 fans.

19"(inch) mounting angles (2ea. in front and 2ea. in rear) are part of the cabinet interior configuration and adjustable in depth. While loaded, 19" profiles can be moved easily.

Baying is possible for side by side applications without side panels. Levelling feet are standard in shipping configuration.

The cabinet meets EN 61587-1, IEC 60917, IEC 60297 standards, RoHS compliancy, Gost and TSE certified.

Cabinets are manufactured in our factory which has ISO 9001: 2008 Quality Assurance System and our responsibility for environment with ISO 14001:2004 Environmental Management System.

UniversalLine freestanding cabinets

9.3 TECHNICAL SPECIFICATIONS

Custom number

With accessories: 853710100000 / 853710990019
Without accessories: 853810100000

Shipping structure

Assembled / Flat pack

Mounting type

Stand alone

Load carrying capacity (kg)

600

Certification on product

TSE, Gost, UL

Surface finish

Electrostatic powder coated c/with surface treatment, 60 - 120 micron paint thickness and tested according to IEC 60068-2-1, 2-2, 2-30, 2-42, 2-43, 2-49, 2-11

STANDARD PRODUCT**Standard colour**

RAL 9003 signal white, RAL 9005 black

IP protection standard

IP20

FRONT DOOR

Shatterproof glass with left and right metal frame

Glass

4 mm thickness full-length smoked, shatterproof, tempered, secure

Front door construction

W=600 Single door opening
W=800 Double opening

Front door lock

Handle type, single point locking

Adhesive material

High density polyurethane DIN 53479, DIN 53505

SIDE PANEL

Solid metal left and right, 1 mm left and right (2ea.)

Side panel construction

Lockable, removable c/with slam latches and lock

Side panel lock

Barrel type lock unit, single point + Slam latch (2ea)

REAR DOOR

Solid metal, 1,2 mm

Rear door construction

W=600 Single opening, solid metal with micro joint cable entry at bottom.
W=800 Double opening, solid metal with micro joint cable entry at bottom.

Rear door lock

Barrel type lock unit, single point

TOP COVER

Solid metal, 0.8 mm

Top cover construction

Pagoda type structure provides efficient air removal

FRAMEWORK**Top base units**

Solid metal, 1,5 mm

Bottom base units

Solid metal, 1,5 mm

Top and bottom base units construction

Completely modular structure

Uprights

Solid metal, 1,5 mm

Uprights construction

Tightly fixed into top and bottom base units 6 times folded

INTERIOR PARTS**19" mounting angles**

Solid metal, 1,5 mm
3 times folded
"U" marking available 2 ea. at rear, 2 ea. at front
Pre-configured as 19"

C type support rails in depth

Solid metal, 1,5 mm
At top and bottom 2,5 mm, at middle 1,5 mm.
Top and bottom L shape, middle 4 times folded.
Pre-galvanized