



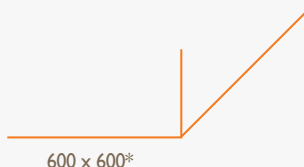
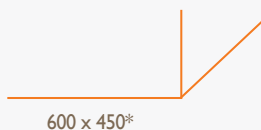
“The ECOLine wall mounting cabinets provide economic solutions for cabling installations”

- Delivered assembled
- Multiple cable entry points on top and bottom
- Rigid, specially folded monoblock top and bottom case
- Non-opening side panels give extra stability
- Vented top case



600x450 - 600x600

EColine wall mounting enclosures



The ECOLine wall mounting cabinets provide an economic solution for cabling installations. This series is used in the offices for horizontal segments where a reduced amount of U height is required while providing a pleasing and professional look. Attention to style with light grey RAL 7035 with left and right metal frames mean that cabinets can be deployed in the most demanding of office environments where looks really matter. Front door frames are available with a decorative stripe colour of orange. Optimal mounting, hinging and panel mounting arrangements create a variety of equipment mounting and access arrangements. This allows the ECOLine to be used in almost all locations. Standard ECOLine wall mounting cabinet is delivered as an assembled single enclosure. Wall mounting cabinets could be used as free standing with accessories castor or levelling feet under a table or in any environment.



* Please check drawing pages for cabinet sizes.

STANDARD DIMENSIONS:

Heights : 7U, 9U, 12U, 16U, 20U
 Width : 600 mm
 Depths : 450 mm and 600 mm

LOAD CARRYING CAPACITY: 60 kg

COLOUR:

RAL 9005 black 
 RAL 7035 light grey 

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

KEY FEATURES

Easy to access

Front door features a full-length smoked and shatterproof glass door with decorative accent stripe reinforced with left/right metal frames and integral locking mechanism.
 Side doors; non-removable style, screwed into top and bottom case units of enclosure.

Rear door; mechanically lockable, removable it can be used as a mounting plate at the same time. When mounting the enclosure, rear door is removed and mounted directly to the wall and the enclosure over hangs the rear panel. Being fitted straight to the wall with fast installation offers a low manpower, time saving and cost-effective solution. All giving you 2-way access to equipment.

Cable entry

Multiple cable entry points on top (1 ea) and bottom(1 ea), provide maximum versatility. One of them is a rubberedge sliding cover mechanism that protects and fixes the cables. On the rear door there is also a cable entry hole closed with cover. If the optional plastic cover is used is replaced with rubber edge sliding cover mechanism.

Construction

Rigid specially folded monoblock top and bottom case, fixed to the side panel set, provided the high level of loading capacity.

Non-opening side panels are used as upright frames (unique body) ensuring extra stability, while each side panel has 3 folded surfaces.

Vented top case provides passive air circulation via convection. There are vented fan holes suitable for cooling unit. (see accessories)
 19” mounting angles (front/2 ea.) allow for flexible configuration and are adjustable in depth. Extensive range of accessories.

Stand alone application

All ECOline cabinets can be used as stand alone by using castor group or with levelling feet. (Please see the accessories for levelling feet and castor group) Can be used under tables or in narrow places.



STEPS TO SELECTING THE RIGHT WALL MOUNTING CABINETS

In addition to Estap product part numbers, the options mentioned below are to supply the right definition to meet your requirements. Each wall mounting and free standing enclosure section in the catalogue, has a "Main part numbers" and "Options" sections.

The below example explains how to select the right options.

As for the ECOLine wall mounting cabinets, the product part number has the below structure:

Product range name + U height (HHU) + Width&depth (DD)

As for the ECOLine wall mounting cabinets, the product options have the below structure:

Colour option (MX) + Front door option (FX)

HOW TO SELECT THE OPTIONS

Step 1 - Please choose product part number.

For example: **ECO7U600**

Step 2 - Please choose the colour from the table and place it after the part number.

For example: **ECO7U600 - M02** (MX=Look at the MX colour options on the next page).

Step 3 - Please choose the front door from the table and place it after **MX** colour.

For example: **ECO7U600 - M02 -F26** (FX= Look at the FX front door options on the next page).

MAIN PART NUMBER STRUCTURE

ECO - HHU - DD

Product range ECOLine	U height	Width=600 mm & Depth
ECO	HHU	DD
ECO	7U	450
	9U	600
	12U	
	16U	
	20U	

OPTIONS

MX - FX

Colour options	Front door options
MX	FX
M01	F26*
M02	F27

MAIN PART NUMBER STRUCTURE

ECO : ECOLine wall mounting product range


HHU : "U" height

DD : Depth (width= 600 mm)

OPTIONS

MX : Colour options

M01= RAL 9005 black 

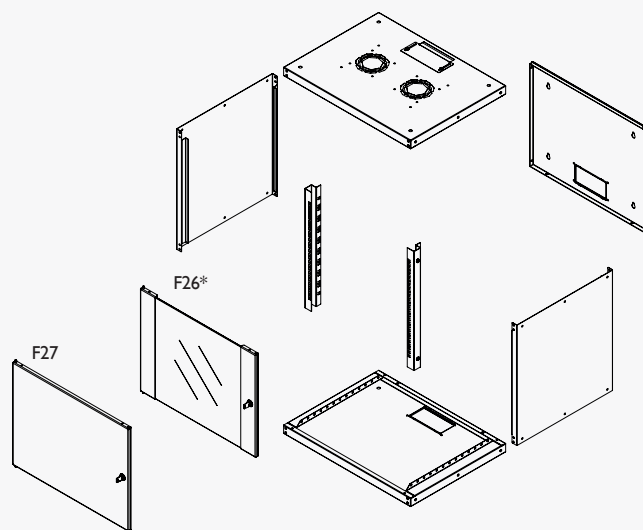
M02= RAL 7035 light grey 

FX : Front door options

F26*= Single opening shatter proof glass door with left and right metal frame, single point barrel type locking

F27= Single opening solid metal door with single point barrel type locking

* F26 is the standard front door.



Exploded view

ECOline wall mounting cabinets 19" 600 x 450 mm

Part number	Product definition (mm)	U size	Width: overall (mm)	Depth: overall (mm)	Height: vertical mounting profile (mm)	Height: overall (mm)
ECO7U450	7U 600x450	7	600	450	397	402
ECO9U450	9U 600x450	9	600	450	485	491
ECO12U450	12U 600x450	12	600	450	618	624
ECO16U450	16U 600x450	16	600	450	798	802
ECO20U450	20U 600x450	20	600	450	976	980

ECOline wall mounting cabinets 19" 600 x 600 mm

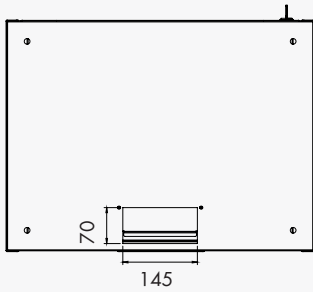
Part number	Product definition (mm)	U size	Width: overall (mm)	Depth: overall (mm)	Height: vertical mounting profile (mm)	Height: overall (mm)
ECO7U66	7U 600x600	7	600	600	397	402
ECO9U66	9U 600x600	9	600	600	495	491
ECO12U66	12U 600x600	12	600	600	618	624
ECO16U66	16U 600x600	16	600	600	798	802
ECO20U66	20U 600x600	20	600	600	976	980

* F26 is the standard door.

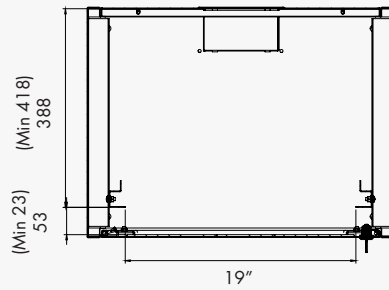


TECHNICAL DRAWINGS FOR

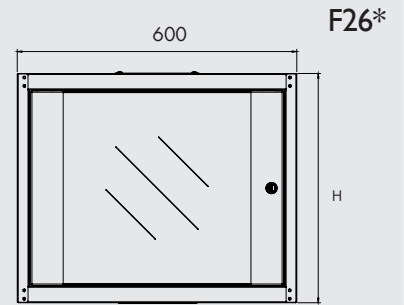
600x450 - 7U/9U/12U/16U/20U



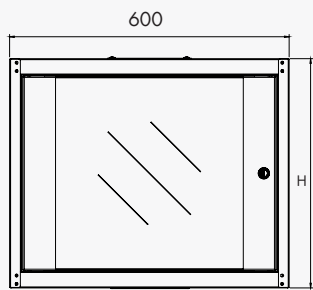
Bottom view



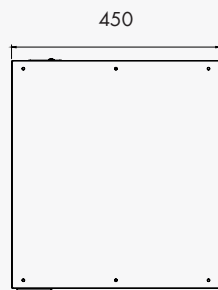
Mounting profile



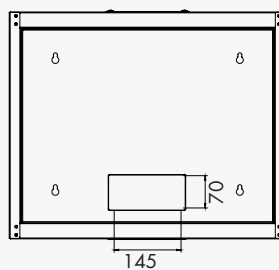
Front view



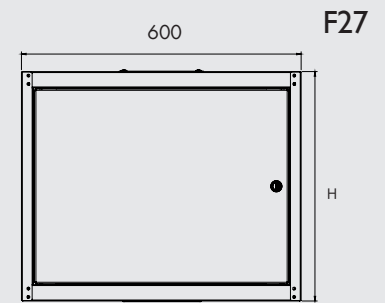
Front view



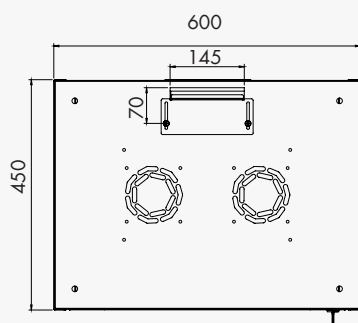
Side view



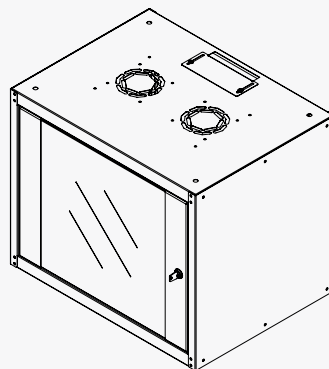
Back view



Front view



Top view



Iso view

H= Enclosure height

* F26 is the standard front door



TESTS AND CERTIFICATIONS

Environment

EN61587-1/4.2, IEC60068-2-1, 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 / 5.2.2, 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

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, IEC60917 and IEC60297

IP protection degree

IP20 accordingly EN61587-1 / 6.4, IEC60529, IEC60917 and IEC60297

Transportation

ETS300019-1-2 Class2.3

Storage

ETS300019-1-1 Class1.2

Security

EN60950_LVD

PURCHASED PRODUCT CERTIFICATION

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

Castors

TS EN 12530, TS EN 12532, RoHS

Lock

DIN 1743, DIN 53571, RoHS

KEY FEATURES

Main framework has a structure which increases mechanical resistance and provides aesthetic appearance, manufactured with U shaped side panels closing on the top and bottom case for framework stability. Manufactured and tested to provide axial (x, y, z) 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 cases have a structure which increase the resistance and strength of the cabinet. Monoblock bended top and bottom housing cases provide better stability. Each side panel body is screwed to top and bottom cases with M6x15 special screws. Cable access at top case has a sliding type blanking access plate that would block dust inlet.

A plastic cable entry cover plate housed at bottom case can be replaced with the cable entry on top which is sliding and rubber edged one; incase of cable placement from bottom. Additionally there is a plastic cable entry cover plate housed at the rear panel which can be used when the cables are coming from the wall.

Rear panel in standard, mechanically locks with 2 screws from inside which allows rear panel to be used as a wall fixing pattern and bracket. Side panels are non-opening screwed style, for maximum stability.

Front door is covered by glass which is tempered, anti-static, secure and smoked glass (4 mm thickness) with decorative stripe, according to EN 12150-1:2000 standard. Front glass has left and right metal frame structure with high density polyurethane adhesive and screw. It can open 105 degrees, is removable and lockable. Vented top panel housing with a dedicated space for ventilation, fan module system allows easy installation of max. 2 fans.

19”(inch) mounting angles for 2 ea. in front are part of cabinet interior configuration and adjustable in depth.

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.

TECHNICAL SPECIFICATIONS

Custom number

85380000 / 85381000 / 853710990019

Packs of (ea.)

1

Shipping structure

Assembled

Mounting surface

Wall mounting

Load carrying capacity (kg)

60

Certification on product

TSE, Gost

Surface finish

Electrostatic powder coated c/with surface treatment , 80 +/- 5 micron paint thickness and tested according to IEC 60068-2-1, 2-2, 2-30, 2-42, 2-43, 2-49, 2-11

Standard colour

RAL 7035 light grey and 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

Single door opening with barrel type lock

Front door lock

Barrel type, single point locking

Adhesive material

High density polyurethane DIN 53479, DIN 53505

Hinge system

Spring loaded

Door opening angle and swapping

105 degree, possible to swap one side to the other

SIDE PANEL

Solid metal, 1,0 mm. Left and right (2 ea.)

Construction

Fixed with screws

Lock

No lock

REAR PANEL

Solid metal, 1,5 mm

Rear panel construction

Mechanically locked with 2 screws from inside

FRAMEWORK

Top and bottom base units

Solid metal 1 mm

Constructions

Monoblock multi-folded system

UPRIGHTS

Solid metal 1 mm

Uprights construction

Tightly fixed in to top and bottom base units.

Side panels are main carrying frames for the cabinet.

INTERIOR PARTS

19" mounting angles

Solid metal, 1mm

3 times folded as "C" profile system

2 ea. in front, pre-configured

Zinc plated, passivated, 8-12 micron

Adjustable in depth



For CUSTOMIZED PRODUCTS rather than above options, please contact sales department.

FREQUENTLY USED ACCESSORIES SELECTION CHART FOR ECOLine WALL MOUNTING

Estap has a wide range of accessories: Heavy duty fixed shelves, sliding shelves, fans, cooling units, vertical cable managements, cable rings, organisers, trays, plinth and so on...

* See the other accessories part numbers and definitions on pages 173-213.

Please state colour choice in your orders. M01=RAL 9005 black and M02= RAL 7035 light grey

Frequently used accessories selection table



ECOLine / Shelves Part numbers	Enclosure size*	
	600x450	600x600
Fixed shelves (rack mount)	E44RAK25/E44RAK35	E44RAK25/E44RAK35
Sliding shelves (If enclosure configured with 4 pcs. 19" rails)	-	M44HRK60



ECOLine / Fan units Part numbers	Enclosure size*	
	600x450	600x600
1 Fan unit with on/off switch	M11HV1FW	M11HV1FW
2 Fan unit with on/off switch	M11HV2FW	M11HV2FW
1 Fan unit with thermostat unit	M11HV1FW T	M11HV1FW T
2 Fan unit with thermostat unit	M11HV2FW T	M11HV2FW T



ECOLine / Cable management Part numbers	Enclosure size*	
	600x450	600x600
19" 1U cable management panel	E44ORG1U	E44ORG1U



ECOLine / PDU Part numbers	Enclosure size*	
	600x450	600x600
6 way PDU with 1x16A CCTbreaker, 1U	M446AL_ES	M446AL_ES



ECOLine / Fixing Part numbers	Enclosure size*	
	600x450	600x600
Fixings / M6 cagenut, washer, screw (1 set=20 pcs.)	KFS6X15	KFS6X15

* Please check drawing pages for cabinet sizes.