



### Structure

**Introduction**

**General Overview**  
 The EC Cabinet range has a unique bolt-together skeleton frame, which can be clad with side panels, top panel and door options. (UK and World-wide Patents Pending). Designed for static loads up to 800kg when equally supported on the vertical 19-inch mounting rails and using either the plinth, or jacking foot options.

Mounting rail configurations are fully adjustable front to rear on all models. On 800mm wide units the mounting rails can be configured to mount centrally or can be offset front and rear to the left hand or right hand side of the cabinet.

**System Security**  
 Each door has a single central, 90° turn, key lock. Doors are hinged left hand as standard but can be supplied or converted to right hand hinged. Each side panel is drop into place with a single 90° turn, key lock fitted at the top.

**Mounting Depth**  
 Maximum depth shelf fitting for EC 600mm depth = 450mm  
 Maximum depth shelf fitting for EC 800mm depth = 650mm  
 Maximum depth shelf fitting for EC 1000mm depth = 850mm

### Standards Compliance

Standards Compliance	
EIA-310-D / IEC 297-3	Fully compliant with 19-inch mounting standards
IEC529 standard	Classified with an ingress protection rating of IP20
EN60950 Clause 2.5.11	Compliant with earthing continuity standards as defined
R.o.H.S.	Fully compliant

## Main Component Materials

Detailed Component Material Breakdown	
<b>Framework</b>	
Vertical and horizontal frame members	1.5mm Steel CR4
<b>Panels</b>	
Side Panels	1.2 mm Steel CR4
Rear Door	1.5 mm Steel CR4
Front Door Styles	1.5 mm Steel CR4
Glazing Panels	4mm Toughened BS6206 1981
Top Panels	1.2 mm Steel CR4
<b>19-inch Mounts and 800/600 reducers</b>	
Adjustable front to back, conforming to IEC 297 standards with mounting facilities for universal front fixing and CBL side mounting accessories.	
Adaptor Channels	2.0 mm Steel CR4
19-inch Mounting Rails	2.0 mm Steel CR4
<b>Castor Plate/Plinth Plate</b>	
Corner Plates	1.5 mm Steel CR4
Plinth Options	2.0 mm Steel CR4
Kick Plate Trim	1.2mm Steel CR4

## Fixings & Accessory Details

Detailed Component Material Breakdown	
<b>Base Mounting Components</b>	
Castor	80 Kg per castor rated loading
Jacking Foot	2,000 Kg static load
<b>Fixings</b>	
Main fixings M6 Socket set screws	Tensile Strength 10.9
All other fixings M6 screws	Tensile Strength 8.8

## Finish

Detailed Component Material Breakdown	
<b>Framework &amp; Cladding Components</b>	
Structured Epoxy Polyester Powder DFT 50 Microns	
Light Grey	NCS 1502Y
Black	RAL 9005
<b>Mounting Rails &amp; Adaptor Channels</b>	
Full Gloss Smooth Epoxy Polyester Powder DFT 50 Microns	
Silver	EM001H9M
<b>Fixings</b>	
Screws and fixings	8 microns Zinc plate Trivalent Passivate BS EN 12329:2000

Specification subject to change without notice. For further information please contact -

## Cabinet Overall Sizes

Effective Unit Height	Cabinet Overall Height	Cabinet Height With Castors	Cabinet Height with Plinth	Cabinet Height with Plinth & Castors	Cabinet Width (mm)	Cabinet Depth (mm)
22u	1154mm	1229mm	1249mm	1324mm	600/800	600/800/1000
27u	1376mm	1451mm	1471mm	1546mm	600/800	600/800/1000
39u	1909mm	1984mm	2004mm	2079mm	600/800	600/800/1000
42u	2042mm	2117mm	2137mm	2212mm	600/800	600/800/1000
47u	2265mm	2340mm	2360mm	2435mm	600/800	600/800/1000

## EC Specific Accessories

- Fan Tray Kits  
Available in 2-Way or 4-Way configurations which simply clip into position in place of the standard fitted blank panel (One size fan tray fits any rack size).
- Brush Strip Entry Panels
- Bolt Together Kit  
Can be used with one side panel in place.
- Castor Kits
- Plinth Kits  
With or without castors and or jacking feet).
- Cable trays, cabling accessories
- Flat pack  
Where limited site access is available or for volume shipments overseas.

## Universal Accessories

- All Cooper B-Line's 19-inch mounted accessories are fully compatible with the EC Cabinet range.
- Other Cooper B-Line accessories such as the QRSV and QRSVFW series of quick fit shelves which utilise the side mounting fixings are fully compliant with the EC Cabinet platform.
- All Manufacturers front mounting accessories using the front 19-inch mountings are compatible.

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