General assembly guidelines

Safety First!

This product is fabricated of metal and glass and may contain sharp edges. Please observe safety precautions when handling and assembling this product, especially the Glass Door. More than one person may be required to assemble this product.

If in doubt seek advice!

Suggested tooling

Electric powered screwdriver with metric hex key attachments; metric ratchet-head spanner set; cross-head and flat-blade screwdriver set.

1. Unpacking

Carefully layout the separate component boxes that make up your EcoCab Cabinet order. Logically separate the boxes on a floor. Be careful when opening the cardboard boxes; use a blunt instrument to undo the tape, so as not to scratch any paintwork on the enclosed product. Be extra careful with the poly bag of 'nuts, bolts, washers, castors and jacking feet' – separate each bag to make identification easier.

2. Laying out components (600mm wide version)

Showing front/rear doors, sub-frame, side panels, base, roof fan-tray.

Some component products may not be visible in this image.

Note: Tool kit in image not supplied.

3. Laying out components (800mm wide version)

Additional components showing vertical Cable Management components, vertical 19" profiles, base and roof assembly.

4. General assembly components

Showing separated assembly
Cage nuts and bolts, hex bolts,
panel stoppers, locking
mechanism, locking Castors
and Jacking feet.

*Note: Actual quantity and type
may vary.*

5. Inserting Cage Nuts in the profiles

For best fitment use holes 5 &
6 from top and bottom on
vertical profiles and holes 22
& 23 on horizontal support
bars

*Carefully clip the supplied
'cage nuts' into each square
hole located on the vertical
profiles. 'Cage nuts' should
generally be inserted 1U apart
to allow fitment of standard 1U
high Patch Panels and most
Network Switches.*

6. Assembling front/rear internal frame

Please attach 'Cage nuts' to horizontal profiles <u>before</u> bolting to the frame using holes 4 & 5 (600mmX600mm, 600mX800mm Cabinets only)

For 800mmX800mm Cabinets please use holes 5 & 6 on the front horizontal profiles and holes 3 & 4 on the back horizontal profiles.

7. Attaching the Cabinet Roof

Attach the supplied perforated Roof to the top of the cabinet frame. Ideally the frame assembly should be parallel to the ground to help make installation of the roof easier.

Carefully screw the x2 bolts (total of x8) to each corner.

<u>Note</u>: The cable slot/gland plate on the roof should be located at the rear side of the cabinet.

8. Attaching the Base and Castors

Attach the supplied Cabinet Base to the bottom of the Cabinet frame. Ideally the frame assembly should be parallel to the ground to help make installation of the base easier.

Secure the base to the frame on each corner. The supplied Castors (x4) and/or Jacking feet (x4) should then be installed before positioning upright!

Note: Image shown with cable entry holes/Gland Plates (x3) uncovered.

9. Attaching the roof Fan Tray component

Carefully attached the supplied 'Fan Tray' to the top of the inner surface of the installed perforated roof.

Locate the x4 fixing holes on the on surface of the inner roof surface and secure. Make sure the Fan Tray is secure before use.

Note: Confirm the Fan's are not obstructed in use and the supplied cable and plug are not damaged and can connect to any supplied PDU etc.

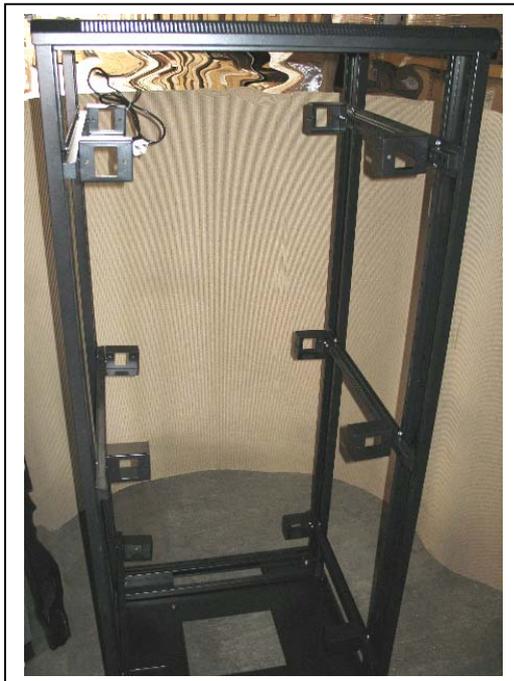# 10. Viewing the 'Fan Tray' final assembly

Image showing the installed 4-Way 'Fan Tray' positioned correctly on inner surface of Cabinet roof.

When operational the 'Fan Tray' will extract warm air from the Cabinet and 'exhaust' it through the perforated roof to help reduce heat build up and extend component life of installed Active products such as Switches.

11. Installing Vertical Cable Management
(800mm wide Cabinets only)

Carefully install the supplied 'Box Spacers (x12 in total) on the front and rear points of the previously installed 'horizontal support bars (*see item 6 on page 4*).

The 'Box Spacers' should be screwed securely with 6 per inner surface cabinet side – one at each front and end point on the 'horizontal support bars' as per image.

12. Installing Vertical Cable Management
(800mm wide Cabinets only) *continued from item 11*

Carefully install the front and rear vertical profiles (x4 in total, x2 per side) on the installed 'Box Spacers'.

Both front and rear vertical profiles have square 'cage nut' holes allowing the supplied 'cage nuts' to be clipped, depending on your operational requirements (*see item 5 on page 3 on inserting Cage nuts in the profiles*).

13. Installing Vertical Cable Management
(800mm wide Cabinets only) *continued from item 12*

Carefully install the vertical cable management cable trays (x2 supplied)

Locate and align the vertical cable management holes to the holes on the previously installed 'Box Spacers'. 2 screws are required per box spacer – a total of 6 screws per vertical cable management are needed.

A vertical top cover (x2 supplied) is then clipped over the Vertical management to hide cabling within them.

14. Installing the Door Stoppers to the sides

Locate the supplied 'Door Stoppers (x4 supplied on smaller Cabinets, x8 on taller Cabinets). The brass-coloured right angled small brackets should be screwed via 2 screws half-way up on the front/rear facing facets of the frames (locate the holes for these beforehand).

'Door Stoppers' prevent the attached side panels being pushed into the Cabinet and thus prevent deformation of the sheet metal panels.

15. Installing the supplied fixed Shelf

Locate where you wish to install the single fixed shelf supplied with your EcoCab.

Carefully attach the shelf to the front and rear vertical profiles and install via the supplied 'Cage Nuts and Bolts', making sure each shelf corner is securely fixed at all sides are at the same height – otherwise flexing of the shelf will result!

The supplied shelf is for general purpose equipment and NOT for heavy equipment such as large CRTs!

16. Attaching Side Panels

The EcoCab comes supplied with x2 full height Side Panels.

Firstly locate the side panel and initially locate the base of the panel into a slot at the bottom on the base of the side. Then clip inwards the two spring loaded clips and position so that the clips hold the panel in place

Repeat on the other side.

Make sure the panels are correctly fitted – otherwise they may fall out!

17. Attaching Front and Rear Door

The EcoCab comes supplied with x2 doors – one Glass Door for the front, a solid Door for the rear. Both are lockable and come with locks, the locks and handle will need to be installed.

Firstly locate the bottom left or right (depending on what way you want the door to open!) hinged metal nipple. Carefully insert the bottom corner of the Glass Door so that the nipple is fully inserted into the door's bottom corner hole.

Repeat for the rear door!

Good Cabinet Practices

The EcoCab range of Cabinets have been designed to be assembled with the least possible effort but still maintain overall rigidity needed for the most common IT and Telecom installation duties.

Examples are:-

- *Locate Cabinet on strong flooring – taking into account of the total weight of the Cabinet once the EcoCab has been populated*
- *Locate Cabinet on even flooring – to minimize the Cabinet falling over (use supplied Jacking Feet to help level the Cabinet)*
- *If using the supplied Castors – make sure they are locked into position to stop the cabinet being accidentally moved and causing damage*
- *Allow good all round access to the Cabinet – make sure rear and side panels can be accessed and if the cabinet is in a public location that doors are locked to prevent unauthorized access*
- *Correct ventilation is important. Consider if there is enough cool air venting to stop the enclosed active equipment overheating or possible catching fire.*
- *EcoCab has an integral 'Earth Point' on the base of the Cabinet. All electrical products used within any Cabinet should be correctly earthed.*

If in doubt, please seek professional advice!