



SPECIFICATION GUIDELINE FOR EZ-SERIES ENCLOSURES

840EZ3042

Full Specification

General

84" High X 30" Wide X 42" Deep

The enclosure must be Great Lakes product model #840EZ3042

The enclosure to have been independently tested and certified to exceed Seismic Zone 4 NEBS GR-63-CORE. (NEBS – Network Equipment-Building System)

Dimensions shall be 84" High, 30" Wide & 42" Deep. Featuring mesh front & rear doors, removable solid sides, solid, vented or fan top panels shall be available. Doors, sides & tops must be 16 Ga. The enclosure shall be constructed of cold rolled steel (CRS) utilizing a fully welded 14 Ga. steel frame design with five bends in the corner post. Structural tubing shall be welded in in for superior strength. Enclosure shall be able to hold 1000 lbs. when bolted to the floor using seismic anchoring bolt or 3000 lbs. in non-seismic application. Shall have two pair of universal cage nut, 3/8" square mounting rails that must be 19" EIA 310-E compliant. Rails must be infinitely adjustable front to back. Networking of multiple enclosures must be possible through the use of tool-less hardware. Manufacturer shall ship enclosure completely assembled including accessories such as cable management, shelves, & power strips. (Assembly must be per customer's instructions if provided) Manufacturer must be ISO 9001:2000 registered.

Floor Mounting The enclosure frame shall have four separate floor mounting locations in the bottom. Each location will have a 3/4" floor anchoring hole. Floor anchoring hole shall be reinforced with a 7 gauge steel plate. Manufacturer shall offer a seismic rated anchoring kit.

Rack Mounting The enclosure frame shall have two pair of universal cage nut, 3/8" square mounting rails that must be 19" EIA 310-E compliant. Rails shall be secured to the frame at three (3) locations. Mounting rails shall be 14 Ga. infinitely adjustable with 45 rack mount unit (RMU) markings the complete length of the rail. RMU markings to start at bottom and count up. Universal (M6) rails shall be multi-vendor server compliant. Rails shall be powder-coated and have pass through holes with cable management tie down slots both vertical and horizontal.

Grounding The enclosure frame must have four (4) M6 x 12mm copper grounding studs. One (1) located in each corner of the inside bottom of the frame. The mesh doors must include a minimum of two (2) M6 x 12mm copper grounding studs located at the top and bottom of the door on the hinged side. All side panels must include one (1) M6 x 12mm copper grounding stud located at the bottom middle of the side panel.

Cable Management The enclosure frame must accommodate optional vertical and horizontal cable management. Rear PDU brackets must accept vertical cable troughs. All 19" rack mount cable management must be installed at time of shipment.

Cable Access The enclosure frame shall have removable top panel that can be used for cable access. (308 Square inches) The top shall have six (6) side cable access knock-outs. Four (4) 12" X 2.63" & two (2) 8" X 2.63". A large, top rear, cable management knock-out will give 112 Square inch access. This opening shall also be able to be used for an exhaust chimney. Each rear side of the enclosure frame shall have two (2) 34" High X 5" Wide cable knock-outs. These knock-outs can be used for enclosure to enclosure cable runs. The enclosure bottom shall have a 639 Square inch opening.

Doors Mesh front and rear doors must have three point door handle latching. Doors must fit flush with the frame and swing open 180°. Enclosure frame and door shall be designed to be field reversible. Mesh doors shall be at

least 64% open measured in useable EIA units. Doors shall have lockable handles. Frames must have gasketing for the doors.

Side Panels The enclosure frame must be able to accommodate side panels that are secured from the inside at eight (8) locations. Enclosure frame must have gasketing for the side panels. The side panels shall be flush with the base unit.

Top Panel Top panels shall be removable. Options shall be solid, vented, three-fan low profile assembly and single or dual ten-inch fan assemblies. Panels to accept ladder rack bracket.

Hardware Enclosure shall ship with package of cage nut hardware. (M6 Cage nut & Screws)

Power The base unit frame must have the ability to mount three (3) vertical power strips mounted in each rear corner using button mounting. Each power strip shall be able to be 70"High x 2.5"wide.

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