

SPECIFICATION GUIDELINE FOR FULL-SIZE NEMA ENCLOSURE

GL840N12-3042-SS

GL840N12-3042-SA

GL840N12-3042-SB

Full Specification

General

84" High X 30" Wide X 42" Deep

The enclosure must be Great Lakes product model #GL84N12-3042-**

Dimensions shall be 84" High, 30" Wide, and 42" Deep. Featuring solid front & rear doors with sealed gland plates that can be removed to install fan kits. Removable side panels, solid or to accept a range of a/c units. The enclosure shall be constructed of cold rolled steel (CRS) utilizing a fully welded #14 Ga. steel frame and doors. The anchor plates will be made out of #11 Ga steel. Shall be able to hold 2000 lbs on bolted to the floor. Shall have two (2) pair of universal cage nut mounting rails made out of #12 Ga steel that must be 19" EIA 310-E compliant. Rails must be adjustable front to back and have RMU markings that start at the bottom and count up. Each enclosure shall have two lacing bars installed one in each rear corner. Lacing bars will have keyway slots allowing button mounted power distribution units (PDUs) to be mounted. Enclosure will be painted using durable black textured powder coat. (Assembly must be per customer's instructions if provided) Manufacturer must be ISO 9001:2000 registered. (** part number indicator - side panel configuration)

Doors Front & rear door are set up with gasketed gland plates that can be replaced with a NEMA 12 fan with filter on the front door and a filter for airflow on the rear door. Doors will have a heavy duty three point latching system.

FFKN12-A1 Fan assembly (includes filter) and exhaust filter, 230 CFM, 115V

FFKN12-A2 Fan assembly (includes filter) and exhaust filter, 295 CFM, 115V

FFKN12-A3 Fan assembly (includes filter) and exhaust filter, 368 CFM, 115V

Filters on fan and exhaust assembly shall be field replaceable.

Sides Enclosures will be set up with removable side panel options. Enclosure part number will indicate side panel configuration.

"SS" will have two removable solid side panels.

"SA" will have two removable side panels - one solid side panel & one side panel that will accept four a/c units (GL2500V, GL3500V, GL4500V & GL6000V)

"SB" will have two removable side panels - one solid side panel & one side panel that will accept three a/c units (GL8000VHA, GL10000V & GL12000V)

Side panels designed for accepting air conditioner units will have an internal baffle kit. This baffle kit will assist in directing hot and cold air from and to the a/c unit.

Air Conditioners Optional air conditioners shall have the following standard features:

- Digital temperature controller with alarm
- Built-in condensate evaporator
- Durable 16 gauge welded steel construction
- Efficient, quiet, long lasting rotary compressor
- Environment friendly HFC refrigerant
- Easy pull-out filter

-Designed to mount to enclosure while maintaining NEMA 12 integrity

Air conditioner shall have the following voltage, BTU and amperage.

- GL2500V, 120V, 2500 BTU, 7.3 amps
- GL3500V, 120V, 3500 BTU, 8.2 amps
- GL4500V, 120V, 4500 BTU, 9.5 amps
- GL6000V, 120V, 6000 BTU, 10.9 amps
- GL8000VHA, 120V, 8000 BTU, 14.7 amps
- GL10000V, 120V, 10000 BTU, 15.1 amps
- GL12000V, 120V, 12000 BTU, 19.6 amps

Floor Mounting The base unit frame shall have four ¾” floor anchoring holes in the bottom.

Rack Mounting Mounting rails shall be 12 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.

Cable Management Each enclosure shall have two lacing bars installed one in each rear corner. Lacing bars will have keyway slots allowing button mounted power distribution units (PDUs) to be mounted. All optional 19” rack mount cable management must be installed at time of shipment.

Cable Access

The bottom and top of the enclosure will have four (4) 2.38 diameter cable knock-outs.

Hardware Enclosure shall ship with package of cage nut hardware. (50 x M6 Cage nut & 50 x Screws)

Manufacturer must be ISO 9001:2008 registered.

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