

APX Pedestal Enclosure – NEMA 3R

Specification Sheet

I. General

A. The purpose of this specification is to provide details of an enclosure that protects internal equipment from rain, dust, vandalism and other conditions found in an outdoor or otherwise harsh environment.

B. The manufacturer must be able, upon request, to produce part numbers on all components for repair purposes. Certificates of compliance may be requested on each cabinet or on any component or part thereof.

II. Performance

A. The enclosure will meet or exceed the requirements of a NEMA 3R rating and will be UL Listed.

III. Cabinet Construction

A. General

1. The wrapper and door will be constructed from type 5052-H32 sheet aluminum alloy which has a thickness of 0.125". The top will be made of 0.250" thick 5052-H32 aluminum. The enclosure bottom will be made of 0.500" thick 5052-H32 aluminum. External welds will be made by using the Heliarc welding method; whereas, internal welds will be made by the wire welding method. All welds will be neatly formed and free of cracks, blow holes and other irregularities.

2. All inside and outside edges of the cabinet will be free of burrs.

3. The door opening will be double flanged on all four (4) sides. Flanges increase strength around openings and keep dirt and liquids from entering the enclosure when the door is open.

B. Door/Hardware

1. The cabinet door will be a minimum of 80% of the front surface area and will be hinged on the right side when facing the cabinet.

a) The door will be furnished with a gasket that satisfies the physical properties as found in UL 508, and will form a weather-tight seal between the cabinet and door.

2. The hinges will be bolted to the cabinet and door utilizing ¼-20 stainless steel carriage bolts and nylock nuts.

a) The hinges will be made of 0.075" stainless steel with a 0.250 diameter stainless steel hinge pin.

b) The hinge pin will be capped top and bottom by weld to render it tamperproof.

3. The latching mechanism will be slam latch type.

a) Door lock is keyed slam latch or equal and has a keyhole cover.

IV. Equipment Mounting (Specify as Required)

A. Plywood Back Panel

1. If equipment is to be panel mounted, the enclosure will be provided with a plywood back panel having a thickness of 0.750".

2. The panel will be treated. All mounting hardware will be furnished.

V. Cabinet Finish

A. Unless otherwise specified, the outside surface of the cabinet will have a smooth, uniform, natural aluminum finish.

B. If painted, the following steps will be taken as a minimum requirement:

1. The cabinet, doors and any other parts to be painted will be treated with an iron phosphate conversion technique.

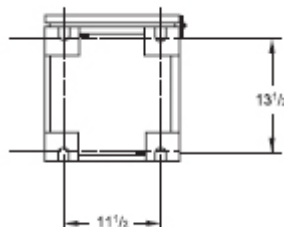
2. After phosphatizing, the parts will be baked to eliminate any moisture in seams.

3. The finished coat of a polyester powder will be baked for ten (10) minutes at 400-450° F.

4. The finish will be commercially smooth, substantially free of flow lines, paint washout, streaks, blisters and other defects that would impair serviceability or detract from general appearance.

VI. Pad Mounted Enclosure

A. Enclosures intended for pad mounting will be constructed with the following pattern:



VII. Approved Manufacturer

A. Cabinet is to be manufactured by APX Enclosures, Inc. or an approved UL Listed equivalent.

