

Large Single Door

APPROVED
By Erin Lewis at 8:06 am, Oct 11, 2016

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APPLICATION - NEMA 3R

APX Enclosures, Inc. 3R large single door enclosures are designed to house electronic controls, terminals, and instruments, and to provide protection from rain, sleet, snow, dripping water and corrosion, while providing ventilation.

APPLICATION - NEMA 4X

APX Enclosures, Inc. 4X large single door enclosures are designed to house electronic controls, terminals, and instruments, and to provide protection from rain, sleet, snow, dripping water and corrosion, as well as hosedown, splashing water, oil or coolant seepage.

INDUSTRY STANDARD:

U.L. Type 3R, 4X

STANDARD CONSTRUCTION:

(For details see specification sheets.)

A. ENCLOSURE:

1. The complete enclosure is made from .125" thick aluminum alloy type 5052-H32 to provide a strong and rigid construction. Alternative material is 14 gauge type 304 stainless steel. (Specifier must choose the material to be used.)
2. Each enclosure is equipped with two adjustable "C" mounting channels on both side walls, and back wall, providing versatile positioning of shelves, or optional panels or rack mounting angles.
3. The door frame opening is double flanged on all four sides. These flanges increase the strength of door opening and help prevent dust and liquids from dropping into the enclosure when the door is opened.
4. All exterior seams are ground smooth or sealed weathertight with silicone sealant.
5. Pole or wall mounted enclosures have welded stiffener plates to reinforce the top and bottom of rear wall. Welded bottom plates are standard on pole mounted enclosures. A removable bolt-on bottom plate is available as an option.
6. (3R only) Enclosures have provisions for mounting a forced-air fan system that can be thermostatically controlled, and air is exhausted through a slotted vent system in the roof overhang.

B. DOOR:

1. All doors are equipped with a three-point latching mechanism with nylon rollers at the top and bottom.
2. Each door handle is .75" stainless steel round bar and has provisions for a padlock.
3. (3R only) The standard main door lock is Corbin #1548-1 or equal.
4. (3R only) A louvered air vent with filter-retaining brackets and a disposable paper filter element is provided.
5. The main door is sealed with closed-cell neoprene gasket.
6. The continuous door hinge is .075" thick stainless

NEMA 3R SHOWN



7. The switch compartment with removable back panel is standard and also made from .125" thick aluminum alloy type 5052-H32. This back can optionally be replaced with a clear lexan window to provide for limited access inspection of operating components or instrumentation.
8. The switch compartment door hinge is 14 gauge stainless steel with a .120 stainless steel hinge pin.

C. FINISH:

1. Natural aluminum enclosures are mill finish per federal specification QQA-250/8.
2. Painted enclosures are treated with an iron phosphate coating and dried by radiant heat.

FOR NEMA TYPE 4X RATING:

DELETE all vents and main door lock (Corbin #1548-1), and Corbin R357SGS switch compartment lock.
ADD Chicago #1703-100-G switch compartment lock. All through holes are sealed.

G-Cabinet will be supplied with 1 Shelf and aluminum backpanel. Cabinet shall be painted Black

LARGE SINGLE DOOR