

# Dudlik Enclosures

Call 1-866-6DUDLIK

(1-866-638-3545)

Custom enclosures with your special application in mind are never a problem. Ask us about your special requirements for size, configuration, materials, special equipment, and finish. Contact *Dudlik Industries* for more information. Standard sizes are U.L. approved for NEMA 3R applications.

## Construction

1. To insure a strong and rigid construction, these enclosures are manufactured from 0.125" 5052-H32 marine grade aluminum with a durable painted finish. All external hardware is stainless steel and all internal hardware is stainless steel or zinc plated, meeting Fed. Spec. QQ-Z-235C Type 1.

2. Smooth and free of blow holes, flaws, or imperfections, all seams are continuously welded (GTAW) or sealed with (G.E. Silicone Sealant or equivalent) in the interior or on the exterior.

## Cabinet

3. The enclosure has 2 sets of lifting lugs mounted on the lid.

4. The doors have a louvered vent with retainer for a removable filter. Disposable paper filters are provided. Provision is made for a forced air ventilation system, vented through the roof overhang. A thermostatically controlled forced air ventilation system is available as an option; call for Fan Kit pricing. The enclosure can also be provided with a 3000 BTU air-conditioner (as shown).

5. The enclosure is equipped with "C" mounting channels on both side walls for the mounting of the rack rails and or panels. Channels are welded in a horizontal fashion for adjustment of the rack rails front to back.

6. The enclosure is equipped with an LED light bar and a 4 gang 20 AMP outlet box.

7. The enclosure door opening is double flanged on all four sides. This feature not only provides additional strength, but prevents dirt and liquids from dropping into the enclosure when the door is opened.

8. All surfaces, edges, and openings are smooth and burr-free for worker safety and equipment protection.

## LTE Backhaul Enclosure



## Doors

9. The cabinet is designed so that the leaves of the hinges are not exposed, making the hinges tamper-proof and presenting a neat and clean appearance. The cabinet door is attached to the body of the enclosure by means of a continuous 0.075" stainless steel piano-type hinge on the right side. It is bolted to the door and to the cabinet with 1/4-20 stainless steel carriage bolts and Nylock nuts. Further, the 0.25" stainless steel hinge pin is welded on the top to prevent tampering.

10. The door is sealed with a closed cell neoprene gasket bonded to the inside of the door with an oil resistant adhesive.

11. The three point latching mechanism on the door is designed with a heavy duty 3/4" stainless steel handle. This handle operates the 3/16" thick cam and two push rods made from 1/4" x 3/4" aluminum bar. The push rods are twisted outward and have two 7/8" nylon rollers on the end of each rod to provide a smooth operation and secure seal to the enclosure.

12. Provision is made for padlocking the handle.

13. The enclosure has a .250" thick stainless steel interior door restraint that prevents the doors from moving in windy conditions. The restraints hold the doors in three positions—95°, 120°, and 180°.

**Dudlik Industries Inc. 326 Jacksonville Rd. Hatboro, PA 19040**

**Phone Toll Free 1-888-6Dudlik Fax 215-672-2768 or Visit us on the web at [www.dudlik.com](http://www.dudlik.com)**

## Finishes

14. Standard enclosures are provided with a smooth and uniform, natural aluminum finish (Mill finish to Fed. Spec. QQA-250/8).

15. Painted finishes are available. Supply a sample of paint color (chip) or a paint number in compliance with MIL standard 595.

16. Powder coat finishes are also available.

## Mounting

17. The enclosure is designed as a pad mounting unit, as shown in the diagrams below,

## Alternate Specifications

18. For NEMA 4 and 4X style applications, there are no vents or locks on the main door. All through holes are sealed. Provision is made for padlocking the door handle.

## Options

- Air conditioners
- Heaters
- Insulation
- Painted finishes
- Panels
- Additional rack frame assembly
- Shelves
- Lockable drawer
- Cable management

