12 VDC 18x16x8 Inch Weatherproof Enclosure with Mounting Plate and Cooling Fans – Model: NB181608-50F
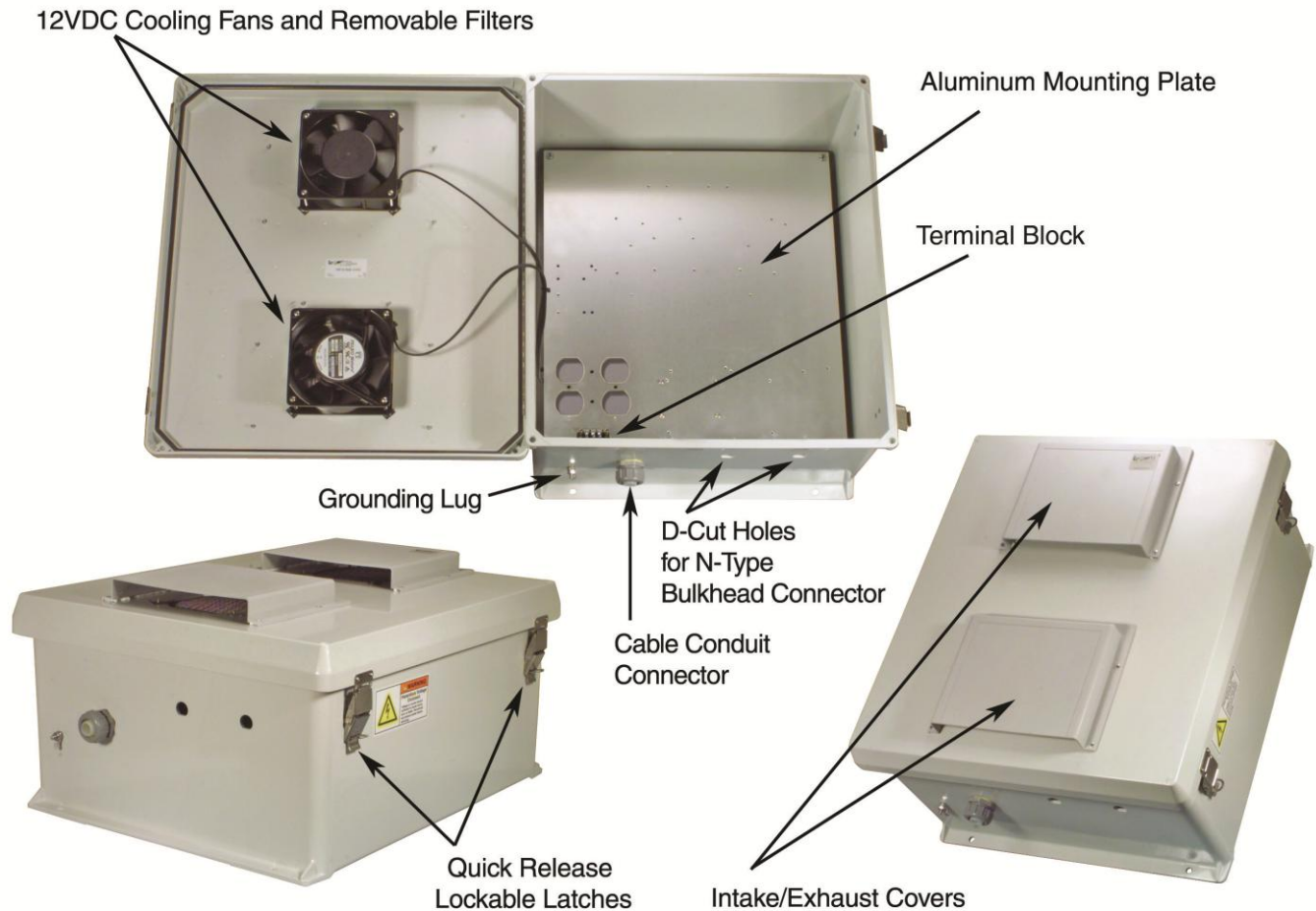
Applications and Features

Features:
- Molded Fiberglass Reinforced Polyester (FRP) industrial Enclosure
- Stainless steel quick release latches with padlock hasps
- NEMA Type 3R, 3RX / IP24 rated
- Fully gasketed raised Vented lid with removable filters & integral mounting flange
- Features aluminum mounting plate with DC Terminal Block & Thermostat Controlled Cooling System

Applications:
- Remote Wireless LAN WiFi equipment installations
- Rapid Deployment of Indoor and outdoor installations
- 12 VDC applications such as battery back-up, solar power and vehicle power
- Protection of equipment from theft or damage
- Hotspot applications

RoHS Compliant

Product Description

Start with the Box...

The box is a rugged 18" x 16" x 8" weatherproof enclosure that is ideal for both indoor and outdoor applications. Constructed from molded fiberglass, it is well suited for high temperature or corrosive environments. The mounting flange allows it to be wall mounted as well as on a flat surface. The box can also be pole mounted with the optional pole mounting hardware kit. The fully gasketed lid features a stainless steel continuous hinge and stainless steel quick release latches with padlock hasps. The enclosure material is UV stabilized and comes in machine tool gray. The enclosure also features holes for mounting Lightning Protectors or Connectors, a grounding lug and ½" cable conduit connector.

Due to the large size of this enclosure, it can accommodate dual sets of most access points.

Mounting Plate

The aluminum mounting plate has provisions to mount WLAN equipment from Cisco®, Symbol®, D-Link®, HyperLink and more. With the optional HGX-AMOUNT02 bracket a wide array of HyperLink Power-Over-Ethernet products and Power Supplies can be mounted as well. Two of these brackets can be mounted side by side. Also available is the HGX-NMOUNT03 Universal Mounting Shelf that can be attached to the mounting plate and can accommodate additional equipment to be placed in the enclosure.

The mounting plate is wired for 12 VDC Fan operations, making it ideal for use with 12 VDC Solar Powered applications, Battery Back-Up applications and 12 VDC Vehicle power.
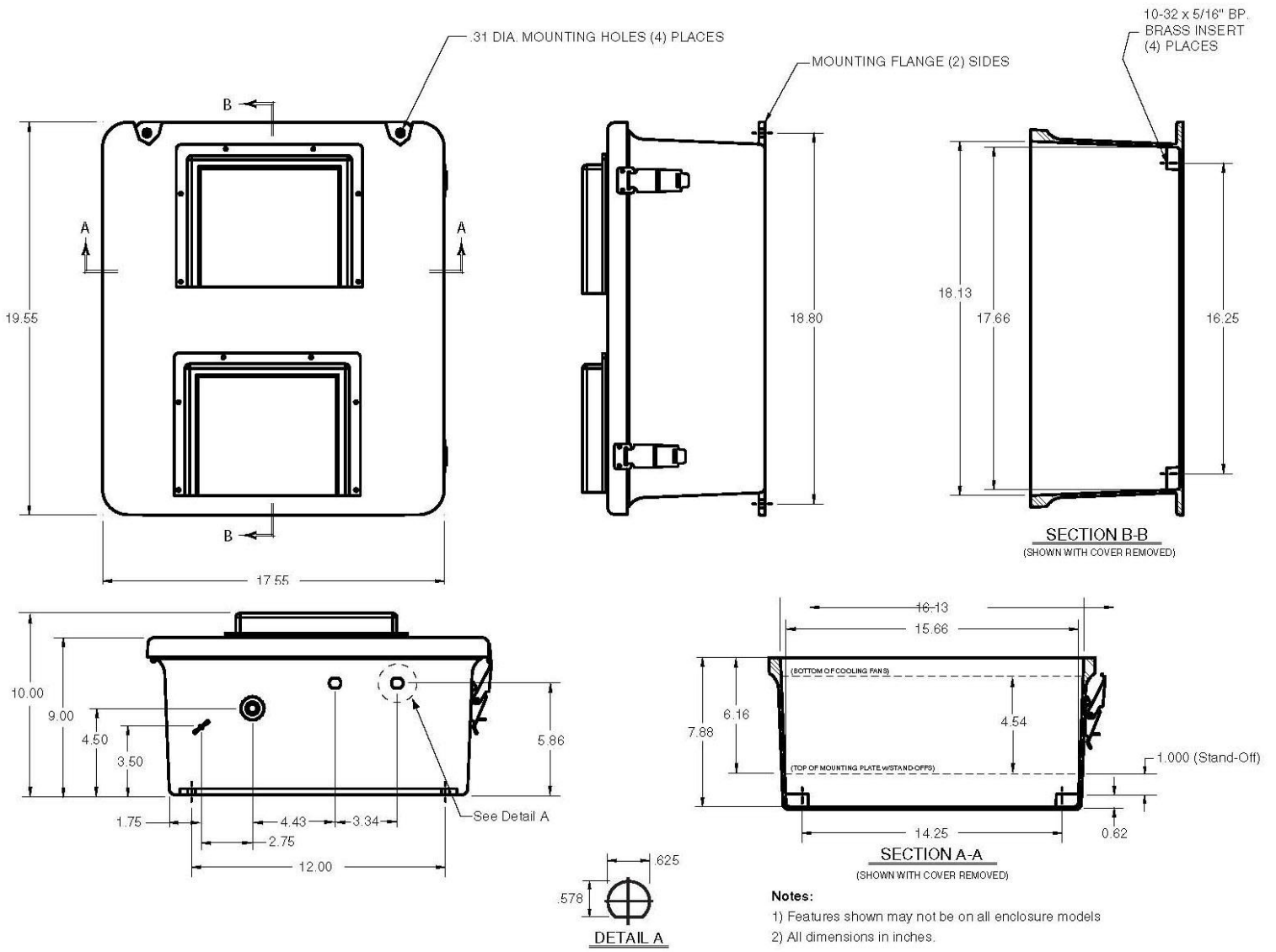
Cooling Fans

This model includes thermostat controlled 6W (12W total) Cooling Fans that is powered via the mounting plate terminal strip. The high airflow, low noise, thermostat controlled fans allow air to be circulated through the enclosure. Filters for both ports are easily removable for cleaning and replacement.

Specifications

Enclosure Material	Fiberglass Reinforced Polyester
Enclosure Color	Machine Tool Gray
Voltage	12 VDC
Fan Power	6 watts each (12 Watts total)
Mounting Plate Material	.10" (2.5mm) Thick Anodized Aluminum
Mounting Plate Dimensions	16.8 x 14.8 inches (42.6 x 37.5 cm)
Weight	20.3 lbs (9.2 kg)
Outside Dimensions (max)	19.5 x 17.5 x 10 inches (49.5 x 44.4 x 25.4 cm)
Inside Dimensions	17.7 x 15.7 x 8.5 inches (44.9 x 39.9 x 21.6 cm)
Temperature Rating (Depending on Equipment and Options)	-40° C to 43° C (-40° F to 110° F)
Flame Rating	UL 94-5V
RoHS Compliant	Yes
Cable Feed	1/2" Cable Conduit Connector
Ratings	NEMA Type 3R, 3RX / IP24

Enclosure Dimensions

.31 DIA. MOUNTING HOLES (4) PLACES

MOUNTING FLANGE (2) SIDES

10-32 x 5/16" BP.
BRASS INSERT
(4) PLACES

19.55

17.55

18.80

SECTION B-B
(SHOWN WITH COVER REMOVED)

18.13
17.66
16.25

10.00
9.00
4.50
3.50
1.75
2.75
4.43
3.34
12.00
5.86
See Detail A

.625
.578

DETAIL A

16.13
15.66
(BOTTOM OF COOLING FANS)
7.88
6.16
4.54
(TOP OF MOUNTING PLATE w/STAND-OFFS)
1.000 (Stand-Off)
14.25
0.62

SECTION A-A
(SHOWN WITH COVER REMOVED)

Notes:
1) Features shown may not be on all enclosure models
2) All dimensions in inches.

Mounting Plate Details