

## 18x16x08 Fiberglass Polyester FRP Weatherproof Outdoor IP24 NEMA 3R Enclosure, Terminal Block Drilled Mount, MECH Thermostat 12 VDC Fan Gray



### NB181608-50F

#### Features

- Molded Fiberglass Reinforced Polyester (FRP) industrial enclosure
- Stainless steel quick release latches with padlock hasps
- NEMA Type 3R / IP24 rated
- Fully gasketed vented lid with filters & integral mounting flange
- Features aluminum mounting plate with DC terminal block & thermostat controlled cooling system

#### Applications

- Remote Wireless LAN WiFi equipment installations
- Indoor and outdoor installations
- 12 VDC such as battery back-up, solar power and vehicle power
- Corrosive environments & hotspot applications
- Protection of equipment from theft or damage

#### Description

The box is a rugged weatherproof enclosure that is ideal for both indoor and outdoor applications. Constructed from molded fiberglass reinforced polyester, it is well suited for high temperature or corrosive environments. The integrated mounting flange allows it to be mounted directly to any flat wall surface provided proper screws are used into secure studs. The enclosure can also be mounted to a wide diameter range of poles with one of our optional pole mounting hardware kits. The lid features a stainless steel continuous hinge and stainless steel quick release latches with padlock hasps. Includes fully gasketed vented lid with filters & integral mounting flange. The enclosure material is UV stabilized and comes in machine tool gray.

#### Mounting Plate

The modified aluminum mounting plate included with the NB181608-50F comes with pre-drilled and cut holes and a terminal block for easy hook up to externally provided line power to use as needed to mount WLAN equipment or whatever equipment you may require. The enclosure also features holes for two N-Bulkhead lightning protectors or connectors, a grounding lug, and a cable conduit connector.

#### Cooling

To help ensure trouble-free operation of electronic equipment, proper operating temperatures inside an enclosure need to be controlled. With the built-in dual cooling fans, internal temperatures can be better maintained. This model is ideal in hot environments.

For cooling the NB181608-50F model includes two thermostat-controlled 4.8W (9.6W total) fans. The high airflow, low noise fans used allow warm air to be actively pushed out the top vent while the second fan on the lower vent actively pulls in outside air into the enclosure. Filters for both ports prevent foreign objects or debris from entering the enclosure. The fans turn on when the internal temperature rises to 120° F (49° C)  $\pm 5^\circ$  and turn off at 90° F (32° C)  $\pm 10^\circ$ .

The HGX-PMT series of pole mounting kits allow the populated enclosure to be securely mounted to a variety of different size poles.

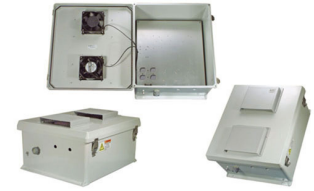
Compatible versions include HGX-PMT13, HGX-PMT16, HGX-PMT28, HGX-PMT29, HGX-PMT30 & HGX-PMT33

#### Mechanical Specifications

##### Size

Outer Height	19.5 in	[495.3 mm]
Outer Width	17.5 in	[444.5 mm]
Outer Depth	10 in	[254 mm]
Inner Height	17.7 in	[449.58 mm]
Inner Width	15.7 in	[398.78 mm]
Inner Depth	8.4 in	[213.36 mm]
Weight	19.8 lbs	[8.98 kg]
Enclosure Material	Fiberglass Reinforced Polyester (FRP)	

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**NB181608-50F**

## Environmental Specifications

Temperature Rating	-50 to +150 degC
NEMA Rating	3R
Ingress Protection (IP) Rating	IP24

## Compliance Certifications

UL Listed	No
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18x16x08 Fiberglass Polyester FRP Weatherproof Outdoor IP24 NEMA 3R Enclosure, Terminal Block Drilled Mount, MECH Thermostat 12 VDC Fan Gray from L-com has same day shipment for domestic and International orders. Our portfolio includes coaxial cable assemblies, connectors, adapters and custom products as well as lightning and surge protectors, NEMA rated enclosures, and an RF product line which includes antennas, amplifiers, passive, and active components.

URL: <https://www.l-com.com/nema-enclosures-18x16x8-inch-12-vdc-weatherproof-enclosure-with-cooling-fan-p.aspx>

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NB181608-50F CAD Drawing
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