

18x16x08 Fiberglass Polyester FRP Weatherproof Outdoor IP24 NEMA 3R Enclosure, 120 VAC MNT PLT, User Adjustable Thermostat Heat & Fan Gray



NB181608-1HFA2

Features

- Molded Fiberglass Reinforced Polyester (FRP) industrial enclosure
- Fully gasketed vented lid with stainless steel quick release latches with padlock hasps
- NEMA Type 3R / IP24 rated
- Features aluminum mounting plate with surge protected duplex 120 VAC outlets & heating and cooling system with user adjustable thermostat

Applications

- Remote Wireless LAN WiFi equipment installations
- Indoor and outdoor installations
- Rapid Deployment Installations
- 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 NB181608-1HFA2 features standard surge protected duplex 120 VAC outlets and a terminal block for easy hook up to externally provided line power. The enclosure also features holes for two N-Bulkhead lightning protectors or connectors, a grounding lug, and a cable conduit connector.

Heating & Cooling

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

For heating, the NB181608-1HFA2 includes two thermostat-controlled 200W (400W total) heaters. The heaters do not require the use of any of the AC outlets, leaving them all available for your equipment. No extra room for the heaters is required since they are mounted underneath the plate.

For cooling the NB181608-1HFA2 model includes two thermostat-controlled 16.4W (32.8W 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. Like the heaters, the cooling fans do not require the use of any of the AC outlets, leaving them all available for your equipment.

User Adjustable Thermostat

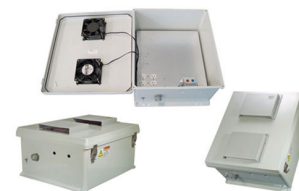
The 1HFA2 series features two separate thermostats, allowing the independent control of heating and cooling. The adjustable thermostat provides a temperature range of +14°F to +122°F for the heating and +68°F to +176°F for the cooling systems, with a switching difference of 12°F ±7°F tolerance.

The heat thermostat features a Normally Closed (NC) circuit. When the temperature rises to the temperature set on the heat adjustment dial the circuit opens which turns off the heaters. When the temperature falls below the temperature set on the heat adjustment dial the circuit closes which turns on the heaters.

The cooling thermostat features a Normally Open (NO) circuit. When the temperature rises to the temperature set on the cooling adjustment dial the circuit closes which turns on the cooling fans. When the temperature falls below the temperature set on the cooling adjustment dial the circuit opens which turns off the cooling fans.

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Recommended Temperature Setting for the Heater should only be between 14° to 40°F

Recommended Temperature Setting for the Fan should only be between 80° to 120°F

Setting the Heater too high and the Fan too low can result in a conflict wherein the unit might try to continue to heat while simultaneously trying to cool it.

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	21.8 lbs	[9.89 kg]
Enclosure Material	Fiberglass Reinforced Polyester (FRP)	

Environmental Specifications

Temperature Rating	-50 to +150°C
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, 120 VAC MNT PLT, User Adjustable Thermostat Heat & 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-120-vac-weatherproof-enclosure-w-user-adjustable-fan-heat-controller-p.aspx>

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NB181608-1HFA2 CAD Drawing

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