

18x16x08 UL Listed Fiberglass Polyester FRP
Weatherproof Outdoor IP24 NEMA 3R Enclosure, 120 VAC
MNT PLT, Solid State Therm. Heat & Fan Gray



NB181608-1HFS-UL

Features

- UL® Listed 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 surge protected duplex 120 VAC outlets & solid state thermostat controlled heating & cooling system

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

UL® Listed Enclosure

The NB181608-1HFS-UL is approved and listed with UL, meeting the stringent requirements for Communication Enclosure System 40XX. The UL listing number is E326684. Use this enclosure when UL listed products are required by the project.

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 NB181608-1HFS-UL 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. The heaters & fans are controlled by an integral high current solid state AC relays. The relays feature Zero Cross Detection for EMI reduction.

For heating the NB181608-1HFS-UL includes our exclusive solid state temperature controller that utilizes dual 200W (400W total) heaters. The controller features improved temperature set point accuracy. The heaters turn on when the internal temperature drops to 16°F (-9°C) ±5° and turn off when the temperature hits 25°F (-4°C) ±5°. 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 NB181608-1HFS-UL includes our exclusive solid state temperature controller connected to dual 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. The controller features improved temperature set point accuracy. The fans turn on when the internal temperature rises to 90°F (32°C) ±5° and turn off at 81°F (27°C) ±5°. Like the heaters, the cooling fans do not require the use of any of the AC outlets, leaving them all available for your equipment.

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

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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	E326684
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18x16x08 UL Listed Fiberglass Polyester FRP Weatherproof Outdoor IP24 NEMA 3R Enclosure, 120 VAC MNT PLT, Solid State Therm. 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-ul-listed-120-vac-weatherproof-enclosure-w-solid-state-fan-heat-controller-p.aspx>

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NB181608-1HFS-UL CAD Drawing
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