



14x12x06 Polycarbonate Weatherproof Outdoor IP24 NEMA 3R Enclosure, 120VAC Mount Plate Adjustable Heat & Fan Dark Gray

NEMA Enclosures Technical Data Sheet

NBPC141206-1HFA2

Features

- High-Impact, UV Resistant Polycarbonate (Dark Gray)
- Stainless steel latches with padlock eye
- NEMA Type 3R / IP24 rated
- Fully gasketed vented lid with filters & user installed wall mounting brackets
- 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 High-Impact, UV Resistant Polycarbonate material that provides superior durability to impacts and ease of modification while maintaining minimum weight. It is well suited for high temperature or corrosive environments. The lid includes two vents with installed rain guards and filters. The included wall mount brackets come uninstalled and bagged with their hardware inside of the enclosure. Once the brackets are installed the enclosure can be mounted directly to any flat wall surface provided proper screws are used into secure studs. The brackets, once installed, also allow you to use our HGX-PMT pole mount kits. The lid features a non-metallic hinge system that allows for quick removal & can be reattached just as quickly without the need for any tools. The enclosure comes with a pair of stainless-steel latches with padlock eyes allowing you to secure the enclosure from tampering. The enclosure comes in a Dark Gray (Pantone 422C)

Mounting Plate

The aluminum mounting plate included with the NBPC141206-1HFA2 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 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 Heater and Cooling fan, internal temperatures can be better maintained. This model is ideal in hot and/or cold environments.

For Heating the NBPC141206-1HFA2 includes a thermostat-controlled 200W heater. The heater does not require the use of any of the AC outlets, leaving them all available for your equipment. No extra room for the heater is required since it is mounted underneath the plate.

For Cooling the NBPC141206-1HFA2 model includes a thermostat-controlled 16.4W fan. The high airflow, low noise fan used allows warm air to be actively pushed out the top vent while the lower vent passively pulls in outside air into the enclosure. Filters for both ports prevent foreign objects or debris from entering the enclosure. Like the heater, the cooling fan does not require the use of any of the AC outlets, leaving them all available for your equipment.

User Adjustable Thermostat

The 1HFA2 series features an adjustable thermostat that incorporates two separate thermostats, allowing the independent control of heating and cooling. The 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

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [14x12x06 Polycarbonate Weatherproof Outdoor IP24 NEMA 3R Enclosure, 120VAC Mount Plate Adjustable Heat & Fan Dark Gray NBPC141206-1HFA2](#)



an INFINIT® brand



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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.

< WARNING >

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

Size

| | | |
|--------------------|---------------|-------------|
| Outer Height | 14.6 in | [370.84 mm] |
| Outer Width | 12.6 in | [320.04 mm] |
| Outer Depth | 7.4 in | [187.96 mm] |
| Inner Height | 13.7 in | [347.98 mm] |
| Inner Width | 11.7 in | [297.18 mm] |
| Inner Depth | 5.9 in | [149.86 mm] |
| Weight | 13 lbs | [5.9 kg] |
| Enclosure Material | Polycarbonate | |

Environmental Specifications

| | |
|--------------------------------|---------------------------------|
| Temperature Rating | -40° to 265° F [-40° to 129° C] |
| NEMA Rating | 3R |
| Ingress Protection (IP) Rating | IP24 |

Compliance Certifications

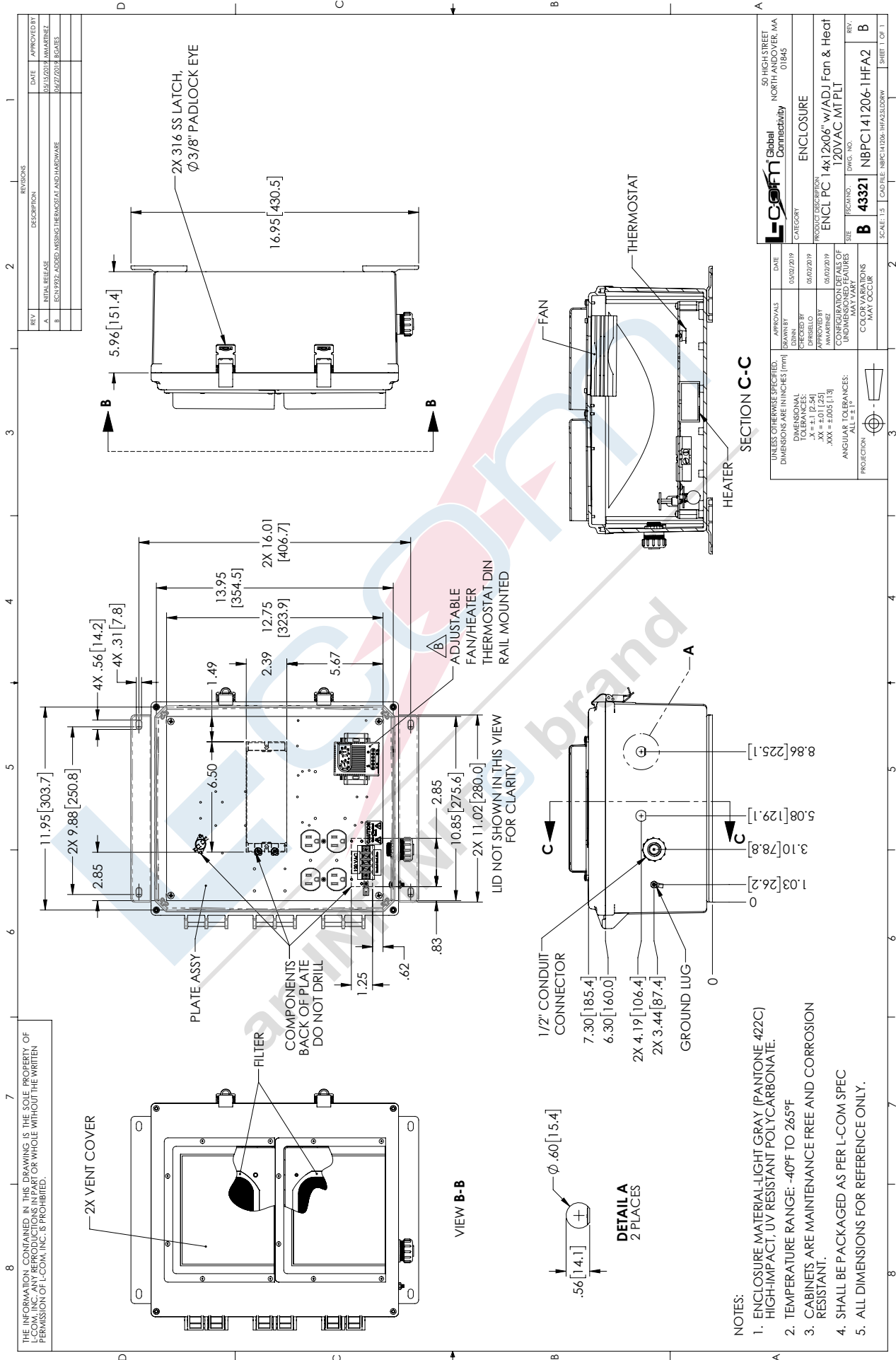
| | |
|-----------|----|
| UL Listed | No |
|-----------|----|

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [14x12x06 Polycarbonate Weatherproof Outdoor IP24 NEMA 3R Enclosure, 120VAC Mount Plate Adjustable Heat & Fan Dark Gray NBPC141206-1HFA2](https://www.l-com.com/nema-enclosures-14x12x06-polycarb-weatherproof-nema-3r-enclosure-120vac-mount-plate-adjustable-heat-fan-dark-gray-nbpc141206-1hfa2)

URL: <https://www.l-com.com/nema-enclosures-14x12x06-polycarb-weatherproof-nema-3r-enclosure-120vac-mount-plate-adjustable-heat-fan-dark-gray-p.aspx>

NBPC141206-1HFA2 CAD Drawing

14x12x06 Polycarbonate Weatherproof Outdoor IP24 NEMA 3R Enclosure, 120VAC Mount Plate Adjustable Heat & Fan Dark Gray



| REV. | INITIAL RELEASE | DESCRIPTION | DATE | APPROVED BY |
|------|-----------------|---|------------|-------------|
| A | | ENCLOSURE ASSEMBLY | 05/15/2019 | J. WARRINEZ |
| B | | ENCLOSURE ASSEMBLY WITH THERMOSTAT AND HARDWARE | 05/22/2019 | J. WARRINEZ |

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| | | |
|---|---|------------|
| UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES (MM) | APPROVALS | DATE |
| DIMENSIONAL TOLERANCES UNLESS OTHERWISE SPECIFIED: | DRAWN BY | 05/02/2019 |
| .XX = ±0.01 [0.25] | DESIGNED BY | 05/02/2019 |
| .XXX = ±0.005 [0.13] | APPROVED BY | 05/02/2019 |
| ANGULAR TOLERANCES: ALL ± 1° | UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES (MM) | |
| COLOR VARIATIONS MAY OCCUR | | |

- NOTES:
- ENCLOSURE MATERIAL-LIGHT GRAY (PANTONE 422C) HIGH-IMPACT, UV RESISTANT POLYCARBONATE.
 - TEMPERATURE RANGE: -40°F TO 265°F
 - CABINETS ARE MAINTENANCE FREE AND CORROSION RESISTANT.
 - SHALL BE PACKAGED AS PER L-COM SPEC
 - ALL DIMENSIONS FOR REFERENCE ONLY.