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

NEMA Enclosures Technical Data Sheet　　　　　　　NBPC141206-1HFS

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 & solid state thermostat controlled heating and 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

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 NBPC141206-1HFS 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 needs 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 NBPC141206-1HFS includes our exclusive solid state temperature controller that utilizes a 200W heater. The controller features improved temperature set point accuracy. The heater turns on when the internal temperature drops to 16° F (-9° C) ±5° and turns off when the temperature hits 25° F (-4° C) ±5°. 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 heaters is required since it is mounted underneath the plate.

For Cooling the NBPC141206-1HFS model includes our exclusive solid state temperature controller connected to a 16.4W fan. The high airflow, low noise fan used allows warm air to be actively pushed out 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. The controller features improved temperature set point accuracy. The fan turns on when the internal temperature rises to 90° F (32° C) ±5° and turns off at 81° F (27° C) ±5°. Like the heater, the cooling fan does 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.

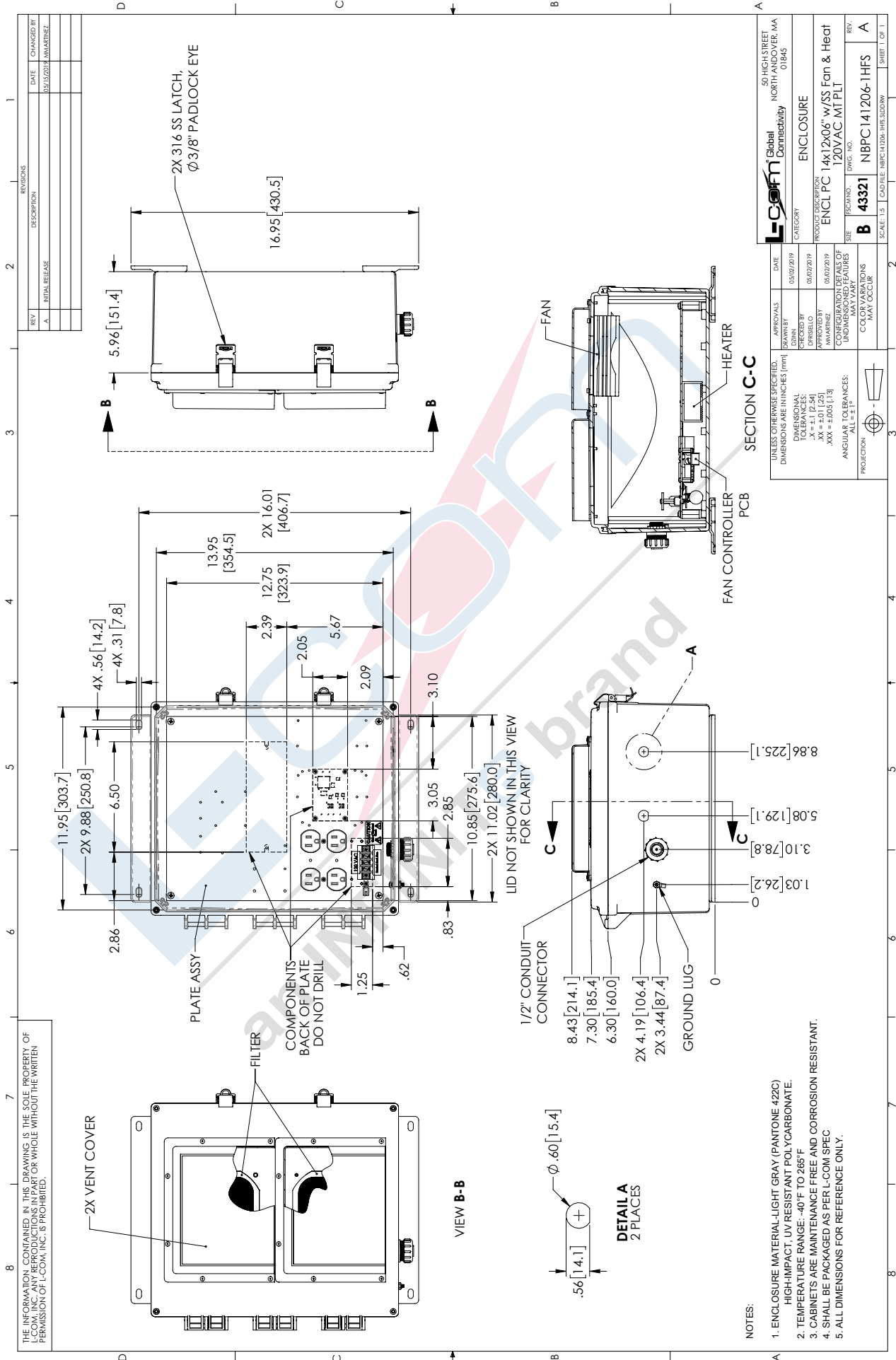Compatible versions include HGX-PMT13, HGX-PMT16, HGX-PMT28, HGX-PMT29, HGX-PMT30, & HGX-PMT33

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 Solid State Thermostat Heat & Fan Dark Gray NBPC141206-1HFS

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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	13.3 lbs	[6.03 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

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URL: https://www.l-com.com/nema-enclosures-14x12x06-polycarb-weatherproof-nema-3r-encl-120vac-mnt-plate-solid-state-therm-heat-fan-dark-gray-p.aspx

NBPC141206-1HFS CAD Drawing

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

2X 316 SS LATCH, Ø3/8" PADLOCK EYE

16.95 [430.5]

5.96 [151.4]

SECTION C-C

FAN

HEATER

FAN CONTROLLER PCB

2X 16.01 [406.7]

13.95 [354.5]

12.75 [323.9]

2.39
2.05
5.67
2.09
3.10

4X .56 [14.2]
4X .31 [7.8]

11.95 [303.7]
2X 9.88 [250.8]
6.50

3.05
2.85

10.85 [275.6]
2X 11.02 [280.0]

.83

2.86
1.25
.62

LID NOT SHOWN IN THIS VIEW FOR CLARITY

PLATE ASSY
FILTER
COMPONENTS BACK OF PLATE DO NOT DRILL

8.86 [225.1]
5.08 [129.1]
3.10 [78.8]
1.03 [26.2]
0

1/2" CONDUIT CONNECTOR

GROUND LUG

8.43 [214.1]
7.30 [185.4]
6.30 [160.0]
2X 4.19 [106.4]
2X 3.44 [87.4]
0

VIEW B-B

2X VENT COVER

FILTER

Ø.60 [15.4]

DETAIL A
2 PLACES

.56 [14.1]

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

REVISIONS
REV	DESCRIPTION	DATE	CHANGED BY
A	INITIAL RELEASE	05/15/2019	MMARTINEZ