14x12x06 Polycarbonate Weatherproof Outdoor IP24 NEMA 3R Enclosure, 120 VAC MNT PLT, User Adjustable Thermostat Heat & Fan Black

NBBPC141206-1HFA2

Features

- High-Impact, UV Resistant Polycarbonate (Black)
- 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 black.

Mounting Plate

The aluminum mounting plate included with the NBBPC141206-1HFA2 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 NBBPC141206-1HFA2 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 NBBPC141206-1HFA2 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.

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications:
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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.

Recommended Temperature Setting for the Heater should only be between 14º to 40ºF

Recommended Temperature Setting for the Fan should only be between 80º to 120ºF

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

14x12x06 Polycarbonate Weatherproof Outdoor IP24 NEMA 3R Enclosure, 120 VAC MNT PLT, User Adjustable Thermostat Heat & Fan Black 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. 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

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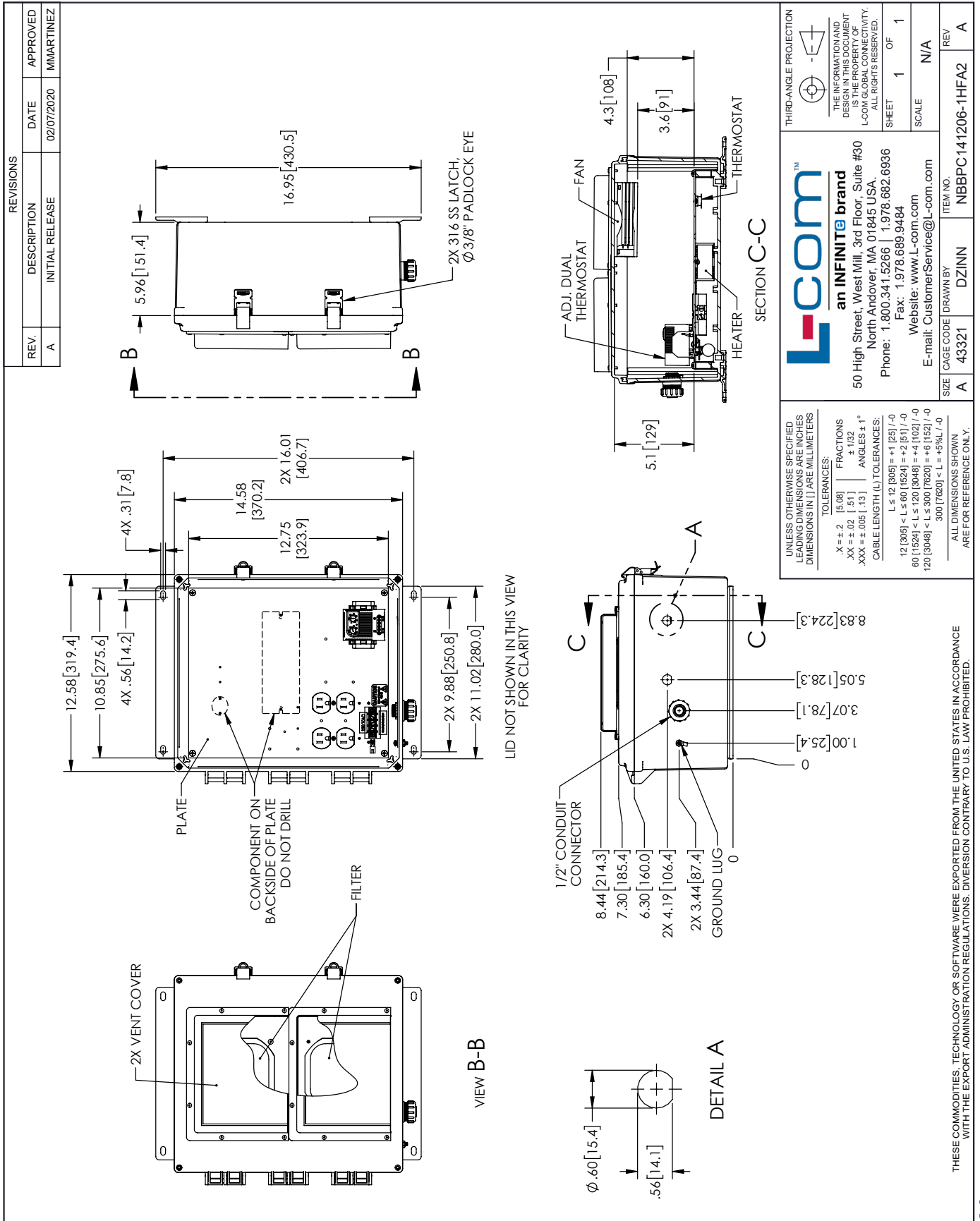Outdoor IP24 NEMA 3R Enclosure, 120 VAC MNT PLT, User Adjustable Thermostat Heat & Fan Black NBBPC141206-1HFA2

URL: https://www.l-com.com/14x12x06-polycarbonate-weatherproof-outdoor-ip24-nema-3r-enclosure-120-vac-mnt-plt-user-adjustable-thermostat-heat-fan-black-p.aspx

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L-com CAD Drawing

REVISIONS

REV.	DESCRIPTION	DATE	APPROVED
A	INITIAL RELEASE	02/07/2020	MMARTINEZ

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SIZE	CAGE CODE	DRAWN BY		ITEM NO.	
A	43321	DZINN		NBBPC141206-1HFA2	REV A

SHEET 1 OF 1
SCALE N/A

THIRD-ANGLE PROJECTION

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UNLESS OTHERWISE SPECIFIED
LEADING DIMENSIONS ARE INCHES
DIMENSIONS IN [ ] ARE MILLIMETERS

TOLERANCES:
.X = ± .2 [5.08]   FRACTIONS
.XX = ± .02 [.51]   ± 1/32
.XXX = ± .005 [.13]   ANGLES ± 1°

CABLE LENGTH (L) TOLERANCES:
L ≤ 12 [305] = +1 [25] / -0
12 [305] < L ≤ 60 [1524] = +2 [51] / -0
60 [1524] < L ≤ 120 [3048] = +4 [102] / -0
120 [3048] < L ≤ 300 [7620] = +6 [152] / -0
300 [7620] < L = +5%L / -0

ALL DIMENSIONS SHOWN
ARE FOR REFERENCE ONLY.

16.95 [430.5]
5.96 [151.4]
2X 316 SS LATCH, Ø 3/8" PADLOCK EYE

B   B

2X 16.01 [406.7]
14.58 [370.2]
12.75 [323.9]
4X .31 [7.8]
12.58 [319.4]
10.85 [275.6]
4X .56 [14.2]
2X 9.88 [250.8]
2X 11.02 [280.0]

LID NOT SHOWN IN THIS VIEW FOR CLARITY

PLATE
COMPONENT ON BACKSIDE OF PLATE DO NOT DRILL

2X VENT COVER
FILTER
VIEW B-B

FAN
THERMOSTAT
ADJ. DUAL THERMOSTAT
HEATER
SECTION C-C
4.3 [108]
3.6 [91]
5.1 [129]

A
C   C

8.83 [224.3]
5.05 [128.3]
3.07 [78.1]
1.00 [25.4]
0

1/2" CONDUIT CONNECTOR
GROUND LUG
8.44 [214.3]
7.30 [185.4]
6.30 [160.0]
2X 4.19 [106.4]
2X 3.44 [87.4]
0

DETAIL A
Ø .60 [15.4]
.56 [4.1]

T-Rev.D

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