



Features

- Provide equipment cooling while maintaining NEMA 4X /IP66 protection
- 800 BTU air conditioning and 520W heating system with programmable digital temperature controller
- Externally mounted AC/Heating unit to maximize interior space
- Maintenance free AC/Heater with no moving components, no compressor, refrigerant or filters
- Reliable solid-state construction with long life span
- Digital controller features programmable Under/Over temperature alarms
- Turn-on/Turn-off temperatures for heating and cooling can be programmed separately
- (4) Internal pre-wired 120VAC power outlets with 5 Foot 3-prong power cord
- Enclosure features heavy duty Fiberglass Reinforced Polyester (FRP) construction
- NEMA Type 4, 4X / IP66 Rated
- Blank aluminum steel equipment mounting plate
- Dual quarter-turn door latches with key
- Enclosure features 0.500" thick interior insulation to help maintain internal temperatures
- Optional wall and pole mounts available

Description

The **Altelix NFC322412A1C-AZ Heated and Air Conditioned** Weatherproof NEMA 4X Enclosure is ideal for protecting sensitive equipment from harsh environments and tampering. The digitally controlled heating and air conditioning system helps maintain optimal internal temperatures so internally mounted equipment can operate at peak performance. This enclosure is designed for both indoor and outdoor applications.

Maintenance Free Heating and Air Conditioning System - The NFC322412A1C-AZ features a digitally controlled heating and air conditioning system. Mounted externally on the enclosure to maximize interior space, this system provides 800 BTU of cooling and 520W of heating. Operation of this system is done via a programmable digital temperature controller. Heat and air conditioning Turn-On/Turn-Off temperatures can be separately programmed as well as Under/Over temperature alarms. The entire system is housed in a rugged powder coated steel housing and is mounted to the side of the enclosure. Power for this system is provided by one of the four internal 120VAC power outlets. An external drain on the Heat/AC unit is provided to direct any condensation to outside the enclosure.

Designed to be maintenance free, this AC/Heating system features no moving components (except for fan), no compressor, refrigerant or filters to be changed. Reliable solid-state construction ensures a long operational life span.

Thermal Insulation - To help maintain internal temperatures, this enclosure features 0.50 inch (12.7mm) thick insulation attached to the interior of the enclosure.

Enclosure Construction and Features - This rugged 4X IP66 rated enclosure is molded from durable and UV resistant fiberglass reinforced polyester (FRP). The lockable gasketed door features reinforced hinges and dual quarter-turn latches to secure the enclosure and is locked and unlocked using the included removable keys. A drip rail over the door provides additional protection against water dripping into the cabinet while the enclosure is wet.

120VAC Power – To power equipment two pre-wired duplex 120VAC power outlets (4 outlets total) are provided and a pre-wired 5 foot power cord, so no additional wiring is required.

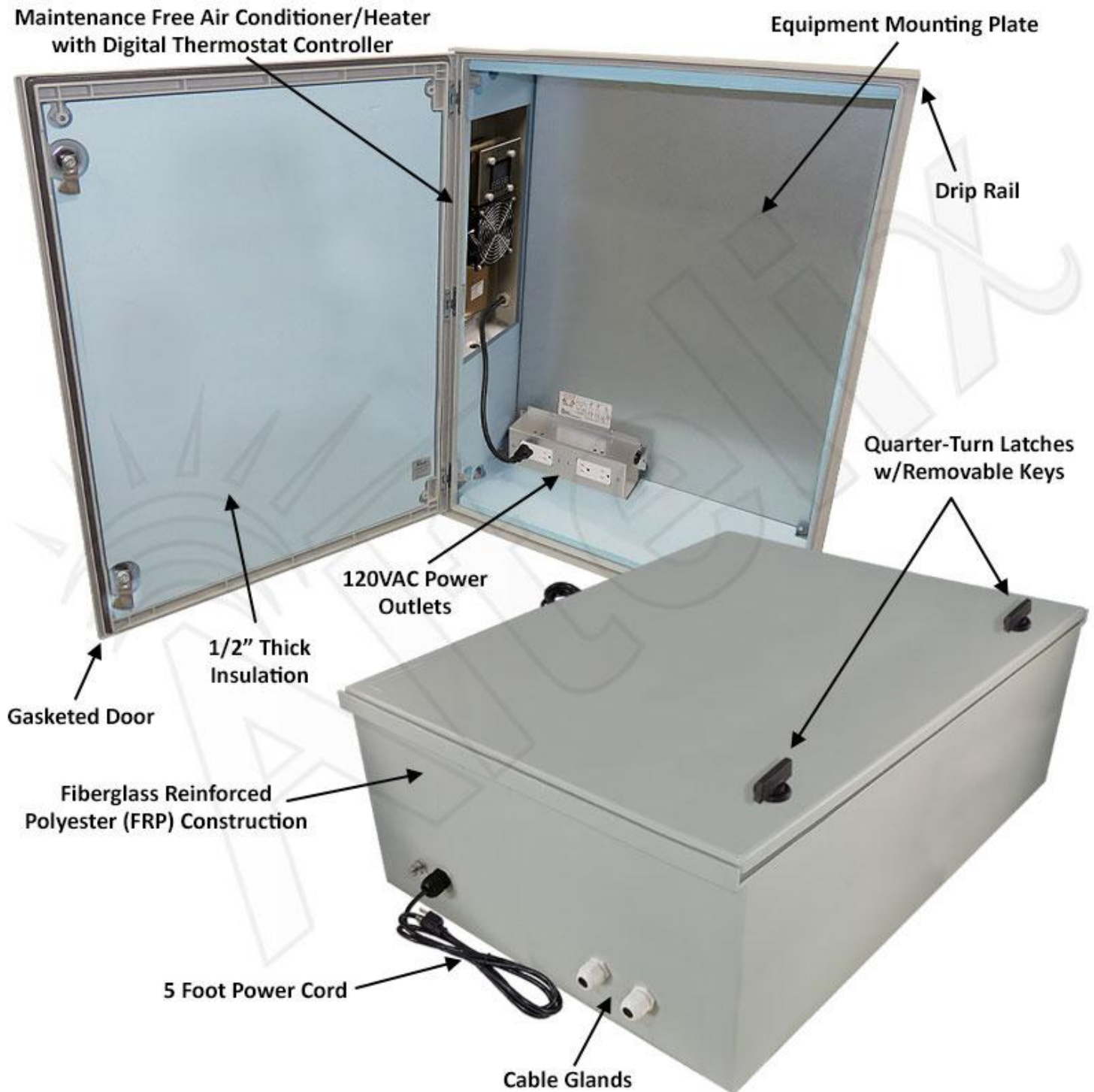
Aluminum Equipment Mounting Plate – A 0.10 inch (2.2 mm) thick aluminum plate is provided for mounting and securing equipment.

Mounting - Four mounting feet are included so that the enclosure can be securely mounted to a wall or other structure. For pole mounting Altelix has optional pole mount kits available.

Cable Glands

The enclosure features two unique PG-16 cable glands with a closed inner seal. They are installed in the open ports to maintain the NEMA rating of the enclosure when not in use. When required for use, simply punch a hole through the inner membrane, run your cables and tighten for a water-tight seal.

Product Photos



Product Photos

AC/Heating Unit



Condensation Drain

Product Photos



Specifications

Material	Fiberglass Reinforced Polyester
Color	Light Gray
Enclosure Voltage	120VAC
Max. Load	10A @ 120VAC
Cooling Capacity	800 BTU
Heating Capacity	520W
Digital Controller Operational Temperature Range	-22°F (-30°C) to +140°F (+60°C)
AC/Heater Working Voltage	100-260VAC
Insulation Thickness	0.50 inch (12.7mm)
Insulation R-Value	2
Exterior Dimensions (Height x Width x Depth)	31.5 x 23.6 x 11.8 in. (802 x 600 x 300 mm)
Interior Dimensions* (Height x Width x Depth)	25.5 x 21.3 x 10.1 in. (648 x 540 x 257 mm)
Equipment Mounting Plate Material	0.10 in. (2.5 mm) Aluminum
Equipment Mounting Plate Dimensions	21.3 x 29.5 in. (540 x 749 mm)
Weight	128.5 lbs. (58.2 kg)
Noise Level	65dB
Power Cord Length	5 Feet (1.5m)
Ratings	Meets or Exceeds NEMA 1, 2, 4, 4X, 12, 13 and IEC 529 IP65, IP66

*Notes:

Interior dimensions represent maximum space available for equipment.