NF162009A1C

16x20x9 Fiberglass Weatherproof Enclosures with 120VAC Outlets - Cooling and Heating Options







Features

- **Aluminum Equipment Mounting Plate**
- **Water-Resistant JIC Enclosure Design with Flat Gasketed Lid**
- **Fiberglass Reinforced Polyester (FRP) Construction**
- **Weatherproof NEMA Rated Enclosure**
- **UV Stable and Highly Corrosion Resistant**
- **Stainless Steel Hinges with 316 Stainless Steel Hinge Pins**
- **Stainless Steel Quick-Release Latches with Padlock Hasps**
- **RF Transparent and Non-Conductive**
- **Includes Stainless Steel Wall Mounting Feet**
- **120VAC Power Package with Four Pre-Wired Outlets and Removable Power Terminal Block**

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Options

- **Two Vents with Rain Shields and Screens**
- **Dual Thermostat-Controlled Cooling Fans**
- **Thermostat-Controlled 200W Heater**

Description

Extreme Protection Built to Last
The **Altelix 16x20x9 Fiberglass Enclosure with Aluminum Mounting Plate** is molded from durable, UV-resistant fiberglass reinforced polyester (FRP) with a **UL94-5V flame rating**. This rugged NEMA box features stainless steel hinges with 316 stainless steel hinge pins for lasting corrosion resistance. Stainless steel quick-release latches with padlock hasps secure the flat gasketed lid.
This JIC-style enclosure is dent-proof, corrosion-resistant and UV stable. The FRP material is non-conductive and RF transparent, making it suitable for demanding indoor and outdoor environments. It can be drilled and modified by the installer to suit site requirements.

Aluminum Equipment Mounting Plate
An **aluminum mounting plate is included** for installing equipment inside the enclosure. The plate can be drilled by the installer to accommodate specific equipment and mounting requirements.

120VAC Power Package
The 120VAC power package includes a removable power terminal block and four pre-wired 120VAC outlets for powering installed equipment. An optional power cord is also available.

Ventilation and Environmental Control Options
Choose non-vented, vented, dual fan-cooled, heated, or fan-cooled with heat configurations to suit the equipment and installation environment. Vented configurations feature two 4-inch vents with rain shields and screens.

Optional Thermostat-Controlled Cooling
Fan-cooled configurations include dual thermostat-controlled cooling fans that turn on at 100°F (38°C) and off at 79°F (26°C). An optional 85°F (30°C) turn-on thermostat is available for applications requiring cooling to begin at a lower temperature.

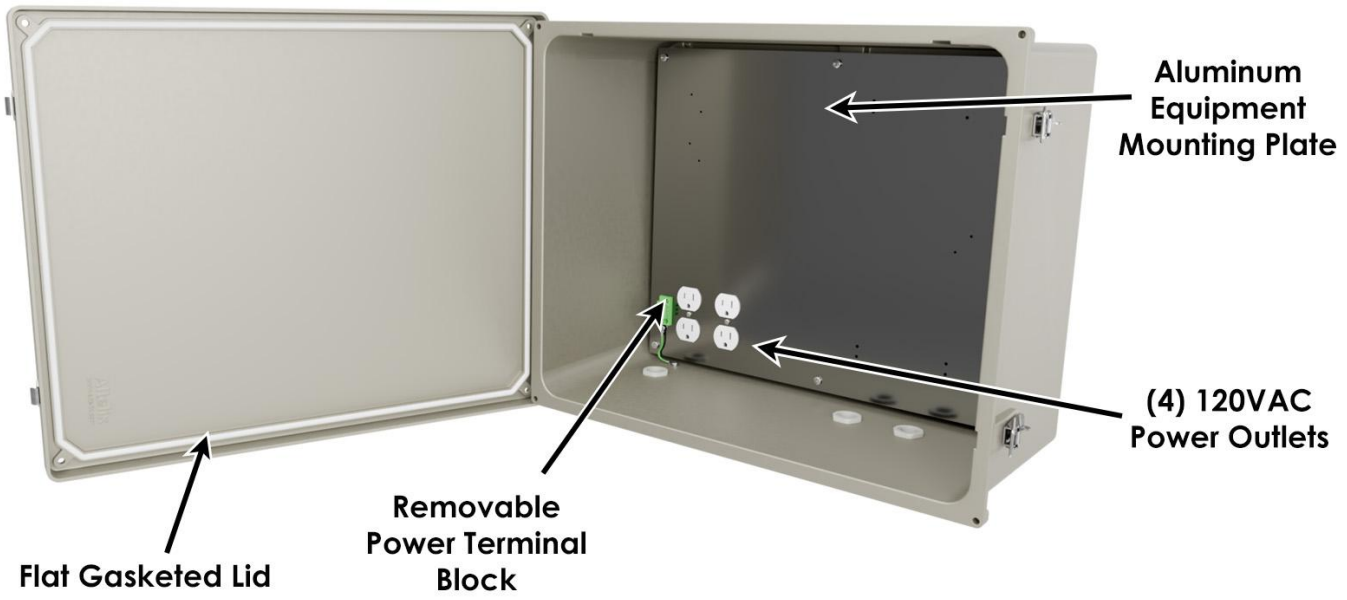
Optional Thermostat-Controlled Heating
Heated configurations include a **200W thermostat-controlled heater** that turns on at 43°F (6°C) and off at 59°F (15°C). Heating is available in both non-vented and fan-cooled configurations.

Weatherproof Protection
Non-vented configurations provide **NEMA 4X / IP66 protection** against rain, dust and water intrusion. Vented and fan-cooled configurations are rated **NEMA 3R / 3RX / IP24**, providing weather protection while allowing airflow through the enclosure.

Mounting
Stainless steel wall mounting feet are included for secure installation. Optional flange and pole mounting kits are available.

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Product Images





NF201609PA1C - 20x16x9

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Product Images



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Non-Vented Powered Enclosures

Specifications	NF162009A1C	NF162009HA1C
Configuration	Non-Vented - No Fans or Heater	200W Heating System
Material	Fiberglass Reinforced Polyester	Fiberglass Reinforced Polyester
Color	Gray	Gray
Voltage	120VAC	120VAC
120VAC Outlets	4	4
Max Load	15A @ 120VAC	15A @ 120VAC
Terminal Block Wire Range	12-18 AWG	12-18 AWG
Terminal Block Wire Strip Length	6-7 mm	6-7 mm
Heater Turn-On/Off Temperature	N/A	On: 43°F (6°C) ±5°F Off: 59°F (15°C) ±5°F
Heater Power	N/A	200 Watts
Outer Dimensions (L x W x D)	17.89 x 21.79 x 9.25 in. (454 x 553 x 235 mm)	17.89 x 21.79 x 9.25 in. (454 x 553 x 235 mm)
Inner Dimensions* (L x W x D)	15.38 x 19.38 x 8.5 in. (391 x 492 x 216 mm)	15.38 x 19.38 x 8.5 in. (391 x 492 x 216 mm)
Mounting Plate Material	0.08 in (2.0 mm) Aluminum	0.08 in (2.0 mm) Aluminum
Mounting Plate Dimensions (L x W)	18.7 x 14.8 in. (475 x 378 mm)	18.7 x 14.8 in. (475 x 378 mm)
Weight	18.5 lbs. (8.4 kg)	19.5 lbs. (8.8 kg)
Power Cord Length	5 Foot (1.5m)	5 Foot (1.5m)
Ratings	NEMA Type 4, 4X / IP66	NEMA Type 4, 4X / IP66
Flame Rating	UL94-5V	UL94-5V
Industry Certifications	CE	CE

*Interior dimensions represent maximum space available for equipment.
Enclosure ports must be properly sealed to maintain the specified protection rating.

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Vented Powered Enclosures

Specifications	NF162009VA1C	NF162009VFA1C	NF162009VFA1C-85	NF162009VFHA1C	NF162009VFHA1C-85
Configuration	2 Vents	Dual Cooling Fans with 100°F Turn-On	Dual Cooling Fans with 85°F Turn-On	Dual Cooling Fans with 100°F Turn-On and 200W Heating System	Dual Cooling Fans with 85°F Turn-On and 200W Heating System
Material	Fiberglass Reinforced Polyester	Fiberglass Reinforced Polyester	Fiberglass Reinforced Polyester	Fiberglass Reinforced Polyester	Fiberglass Reinforced Polyester
Color	Gray	Gray	Gray	Gray	Gray
Voltage	120VAC	120VAC	120VAC	120VAC	120VAC
120VAC Outlets	4	4	4	4	4
Max Load	15A @ 120VAC	15A @ 120VAC	15A @ 120VAC	15A @ 120VAC	15A @ 120VAC
Terminal Block Wire Range	12-18 AWG	12-18 AWG	12-18 AWG	12-18 AWG	12-18 AWG
Terminal Block Wire Strip Length	6-7 mm	6-7 mm	6-7 mm	6-7 mm	6-7 mm
Cooling Fan Turn-On/Off Temperature	N/A	On: 100°F (38°C) ±6°F Off: 79°F (26°C) ±9°F	On: 85°F (30°C) ±6°F Off: 59°F (15°C) ±9°F	On: 100°F (38°C) ±6°F Off: 79°F (26°C) ±9°F	On: 85°F (30°C) ±6°F Off: 59°F (15°C) ±9°F
Heater Turn-On/Off Temperature	N/A	N/A	N/A	On: 43°F (6°C) ±5°F Off: 59°F (15°C) ±5°F	On: 43°F (6°C) ±5°F Off: 59°F (15°C) ±5°F
Heater Power	N/A	N/A	N/A	200 Watts	200 Watts
Outer Dimensions (L x W x D)	17.89 x 21.79 x 10.44 in. (454 x 553 x 265 mm)	17.89 x 21.79 x 10.44 in. (454 x 553 x 265 mm))	17.89 x 21.79 x 10.44 in. (454 x 553 x 265 mm)	17.89 x 21.79 x 10.44 in. (454 x 553 x 265 mm)	17.89 x 21.79 x 10.44 in. (454 x 553 x 265 mm)
Inner Dimensions* (L x W x D)	15.38 x 19.38 x 8.5 in. (391 x 492 x 216 mm)	15.38 x 19.38 x 8.5 in. (391 x 492 x 216 mm)	15.38 x 19.38 x 8.5 in. (391 x 492 x 216 mm)	15.38 x 19.38 x 8.5 in. (391 x 492 x 216 mm)	15.38 x 19.38 x 8.5 in. (391 x 492 x 216 mm)
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Weight	19.1 lbs. (8.7 kg)	20.1 lbs. (9.1 kg)	20.1 lbs. (9.1 kg)	21.1 lbs. (9.6 kg)	21.1 lbs. (9.6 kg)
Power Cord Length	5 Foot (1.5m)	5 Foot (1.5m)	5 Foot (1.5m)	5 Foot (1.5m)	5 Foot (1.5m)
Ratings	NEMA Type 3R, 3RX IP24	NEMA Type 3R, 3RX IP24	NEMA Type 3R, 3RX IP24	NEMA Type 3R, 3RX IP24	NEMA Type 3R, 3RX IP24
Flame Rating	UL94-5V	UL94-5V	UL94-5V	UL94-5V	UL94-5V
Industry Certifications	CE	CE	CE	CE	CE

*Interior dimensions represent maximum space available for equipment.

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