

## 14x12x07 Fiberglass Reinf Polyester FRP Weatherproof Outdoor IP24 NEMA 3R Enclosure, 120 VAC MNT PLT, Mechanical Thermostat Heat & Fan Gray



### TEF141207-1HF

#### Features

- Molded Fiberglass Reinforced Polyester (FRP) industrial enclosure
- Stainless steel quick release latches with padlock hasps
- NEMA Type 3R / IP24 rated
- Fully gasketed raised vented lid with filters & integral mounting flange
- Features aluminum mounting plate with surge protected duplex 120 VAC outlets & thermostat controlled heating & cooling system

#### Applications

- Remote wireless LAN WiFi equipment installations
- Indoor and outdoor installations
- Rapid deployment installations
- Corrosive environments & hotspot
- 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 molded fiberglass reinforced polyester, it is well suited for high temperature or corrosive environments. The integrated mounting flange allows it to be mounted directly to any flat wall surface provided proper screws are used into secure studs.

The enclosure can be also be mounted to a wide diameter range of poles with one of our optional pole mounting hardware kits.

The raised lid features a stainless steel continuous hinge and stainless steel quick release latches with padlock hasps. Includes fully gasketed vented lid with filters & integral mounting flange.

#### Mounting Plate

The aluminum mounting plate included with the TEF141207-1HF 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 TEF141207-1HF includes a thermostat-controlled 200W heater. The heater turns on when the internal temperature drops to 40° F (4° C) ±7° and turns off at 60° F (15° 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 heater is required since it is mounted underneath the plate.

For Cooling the TEF141207-1HF 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. The fan turns on when the internal temperature rises to 120° F (49° C) ±5° and turns off at 90° F (32° C) ±10°. 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 TEF-PMT series of pole mounting kits allow the populated enclosure to be securely mounted to a variety of different size poles.

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

#### Mechanical Specifications

##### Size

Outer Height	15.5 in	[393.7 mm]
Outer Width	13.32 in	[338.33 mm]
Outer Depth	8.26 in	[209.8 mm]
Inner Height	14 in	[355.6 mm]
Inner Width	12 in	[304.8 mm]

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Inner Depth	7.95 in	[201.93 mm]
Weight	15.3 lbs	[6.94 kg]
Enclosure Material	Fiberglass Reinforced Polyester (FRP)	

#### Environmental Specifications

Temperature Continuous	-50 to +150°C
NEMA Rating	3R
Ingress Protection (IP) Rating	IP24

#### Environmental Specification Notes:

Enclosure material is halogen-free, self-extinguishing FRP.

#### Compliance Certifications

UL Listed	No
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Transtector Systems specializes in protection of highly sensitive, low voltage equipment through its patented, non-degrading silicon diode technology and custom filters. Our power quality expertise translates into a diverse product offering including AC, DC, and signal applications as well as integrated cabinets, power distribution panels and EMP hardened devices.

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [14x12x07 Fiberglass Reinf Polyester FRP Weatherproof Outdoor IP24 NEMA 3R Enclosure, 120 VAC MNT PLT, Mechanical Thermostat Heat & Fan Gray TEF141207-1HF](https://www.transtector.com/14x12x07-fiberglass-reinf-polyester-frp-weatherproof-outdoor-tef141207-1hf-p.aspx)

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# TEF141207-1HF CAD Drawing

14x12x07 Fiberglass Reinf Polyester FRP Weatherproof Outdoor IP24 NEMA 3R  
Enclosure, 120 VAC MNT PLT, Mechanical Thermostat Heat & Fan Gray

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

TOLERANCES:  
-X±.2 [5.08] FRACTIONS ±.102  
-XX±.01 [.25] ANGLES ±.1°  
-XXX±.005 [.13] ALL DIMENSIONS SHOWN  
ARE FOR REFERENCE ONLY.  
THIRD-ANGLE PROJECTION

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SHEET 1 OF 1  
SCALE N/A  
REV A

REV. DESCRIPTION DATE APPROVED  
A REV A DRAWING RELEASED 11/28/2018 BPUCHASKI

REVISIONS

14.75 [374.6]  
12.75 [323.8]  
10.00 [254]  
11.8 [300]  
13.8 [351]  
10.9 [276]  
12.8 [324]  
15.3 [389]  
304 SS PIANO HINGE  
HIDDEN LINES REPRESENT COMPONENTS ON BACK OF PLATE - DO NOT DRILL -  
316 SS PADLOCKABLE LATCHES  
Ø.375 PADLOCK EYE  
Ø.32 MOUNTING HOLES (4X)  
3.04 [76.2]  
3.2 [81.3]  
2.4 [61]  
13.3 [338]  
5.68  
4.25 (2X)  
3.50 (2X)  
GROUND LUG  
1/2" CONDUIT CONNECTOR  
SEE DETAIL "A" (2X)  
3.9 [99]  
8.58  
3.80  
1.75  
0  
1.75  
0