



models 9326 & 9327

PHD - Parabolic Heat Design Tankless Heater

FEATURES & BENEFITS

MODEL 9326

Unit enclosed in a powder-coated, cold rolled steel NEMA 4 rated cabinet.

MODEL 9327

Unit enclosed in a 304 or 316 stainless steel NEMA 4X rated cabinet.

CONSTRUCTION

Manufactured from NSF-61 listed materials.

SAFETY and RELIABILITY

Thermo-Optical sensor for protection against entrained air or improper commissioning.

CONTROL and CONSUMPTION

Active energy management to ensure optimal application of energy based on real-time systems demands. Multistage element turn-on. Visual interface for field programming. BMS capable.

MODULAR HEATING CHAMBER ASSEMBLY

Up to 6 heating cartridges and up to 12 direct heating elements with molded-in termination rods. Flow, fault codes, and system stations displayed on LCD.

COMPACT POWER

Uses up to 21kW per heating chamber.

PREDICTIVE CONTROL ALGORITHM

Uses a high-capacity flow meter with inlet and outlet temperature sensors to maintain set temperature points.

DIAGNOSTICS

On-board diagnostics with digital LCD display.

MAINTENANCE

Fully serviceable, easy maintenance access.

OPTIONAL FEATURES

- 600VAC 3Ø 130kW and 150kW
- Free-Standing Legs
- Class 1, Division 2*
- GFCI (Ground Fault Circuit Interrupter)*
- Freeze Protected for harsh climates, down to -30°F (-34.4°C)*
- Disconnect Switch*

* The above four options come with a larger enclosure.
See Page 3 for details.



SPECIFICATIONS

54-126kW 480v and 130 and 150kW 600v: Size: 24"H x 30"W x 13.5"D
(60.96 cm x 76.2 cm x 34.3 cm)
Weight: 116 lbs. (52.62 kg)

| | |
|-------------------------------|---|
| Rated Pressure: | 150psi |
| Certifications: | 54-126kW 480V heaters are UL listed to ANSI/UL 499 standard 130kW and 150kW 600V heaters are UL listed to CSA22.2 No.88 standard |
| Unique Features: | Optic heat sensing safety parabolic heat design |
| Standard Temp Setting: | 90°F (32.2°C) |
| Temp Accuracy: | +/- 1° at steady state flow |
| Max Flow Rate: | 40 GPM (151.4 LPM) |



NO LEAD

SAFETY APPLICATIONS

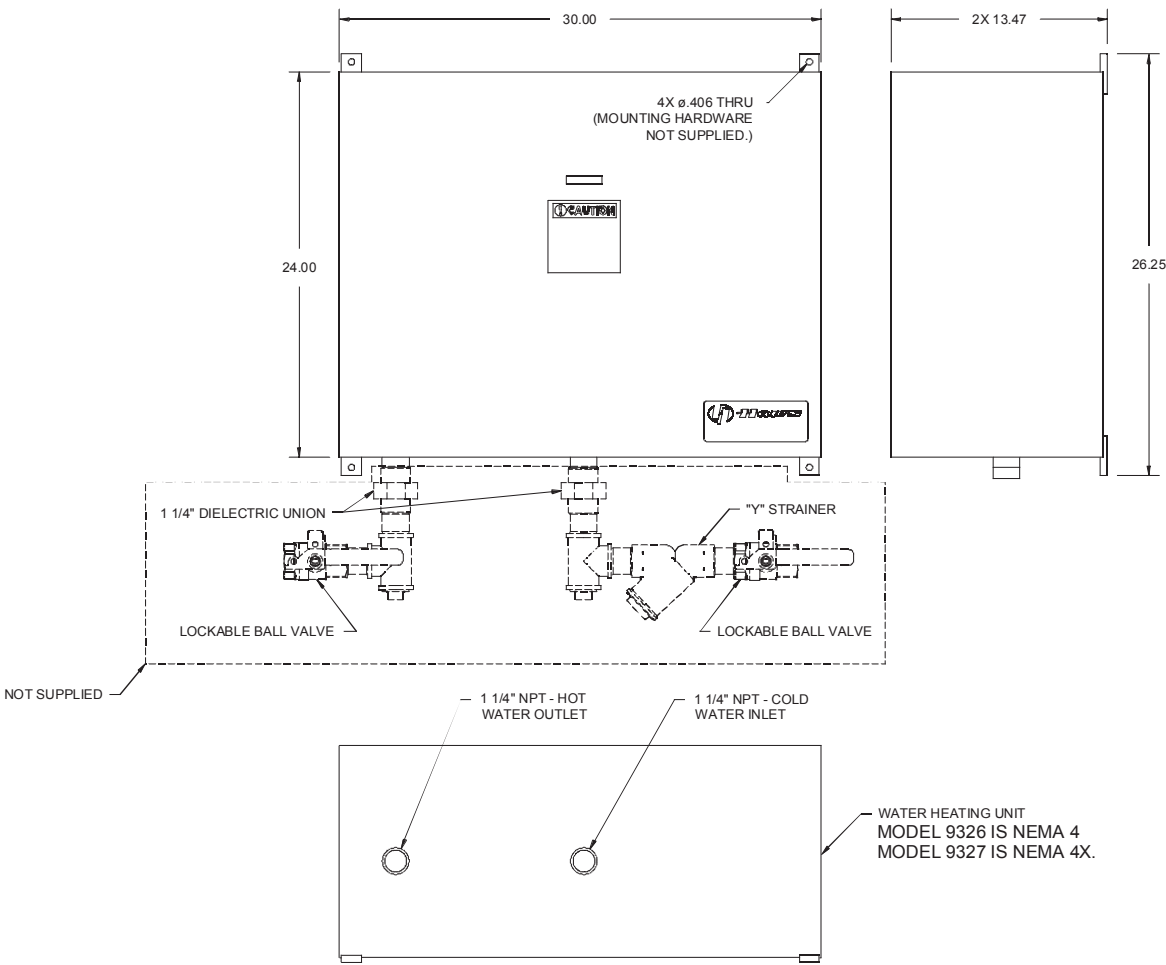
EYE/FACE WASH & DRENCH SHOWERS

Please specify power requirements when selecting a model.

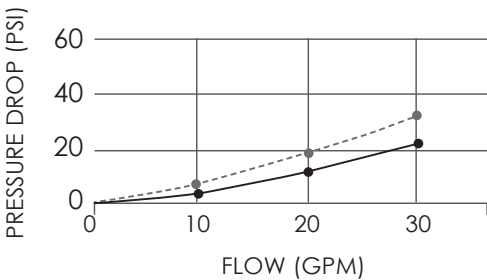
| EYE/FACE WASH & DRENCH SHOWERS | Please specify power requirements when selecting a model. | VOLTAGE (Delta) | POWER (kW) | AMPS | RECOMMENDED WIRE SIZE | TURN-ON (GPM) | PHASE | NPT FITTING | TEMPERATURE RISE IN GPM (°F) | | | | | | | | |
|--------------------------------|---|-----------------|------------|------------|-----------------------|---------------|-------|-------------|------------------------------|------|------|------|------|------|------|------|------|
| | | | | | | | | | 3.0 | 4.0 | 5.0 | 6.0 | 20.0 | 23.0 | 26.0 | 30.0 | 40.0 |
| Model 9326/9327 | | 480v 3ø | 54 | 65A/phase | 4 AWG | 1.5 | Three | 1.25" | 123° | 92° | 61° | 49° | 18° | 16° | 14° | 12° | 9° |
| Model 9326/9327 | | 480v 3ø | 72 | 87A/phase | 3 AWG | 2.5 | Three | 1.25" | • | 123° | 82° | 66° | 25° | 21° | 19° | 16° | 12° |
| Model 9326/9327 | | 480v 3ø | 108 | 130A/phase | 1 AWG | 2.5 | Three | 1.25" | • | • | 123° | 98° | 37° | 32° | 28° | 25° | 18° |
| Model 9326/9327 (Standard) | | 480v 3ø | 126 | 151A/phase | 2/0 AWG | 2.5 | Three | 1.25" | • | • | • | 115° | 43° | 37° | 33° | 29° | 22° |
| Model 9326/9327 | | 600v 3ø | 130 | 125A/phase | 1 AWG | 2.5 | Three | 1.25" | • | • | • | 118° | 44° | 39° | 34° | 26° | 22° |
| Model 9326/9327 | | 600v 3ø | 150 | 144A/phase | 2/0 AWG | 2.5 | Three | 1.25" | • | • | • | • | 51° | 45° | 39° | 34° | 26° |

• Temperature electronically limited to factory preset not to exceed temperature.

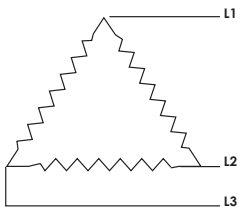
INSTALLATION DRAWING



PRESSURE DROP



ELECTRICAL CONFIGURATION & REQUIREMENTS



Three Phase Units
Delta Configuration

Requires: 3 Lives and
1 Ground (earth)

OPTIONS

NEMA 4/4X ENCLOSURE

- NEMA 4 or 4X cabinet required when choosing any of the below options, FP, GFCI, EDS, and/or EP
- NEMA 4 powder-coated, waterproof, and pressurization enclosure
- NEMA 4X stainless steel, waterproof, corrosion-resistant, insulated, and pressurization enclosure for harsh outdoor environments. Available in 304 or 316 Stainless Steel.
- Enclosure Type: UL508A listed type 4 wall-mounted enclosure
- Enclosure Material: 14 GA Steel
- External Height A: 36" (91.44 cm)
- External Width B: 30" (76.2 cm)
- External Depth C: 17" (43.18 cm)



FP - Freeze Protected

- Internal thermostatically-controlled enclosure heater
- Enclosure heater element capacity: 1200W
- Enclosure heater thermostatic range: 32° F to 140° F (0° C to 60° C)
- Heater protects internal components to -30° F (-34.4° C)
- Insulation: water-resistant Neoprene foam gasket
- IP Rating: 66

GFCI - Ground Fault Circuit Interrupter

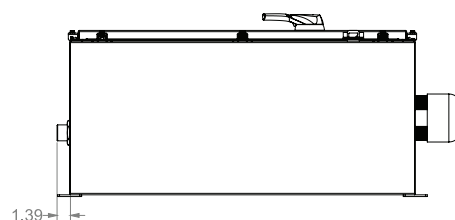
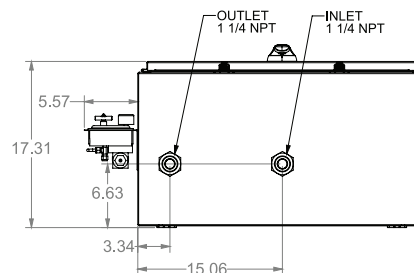
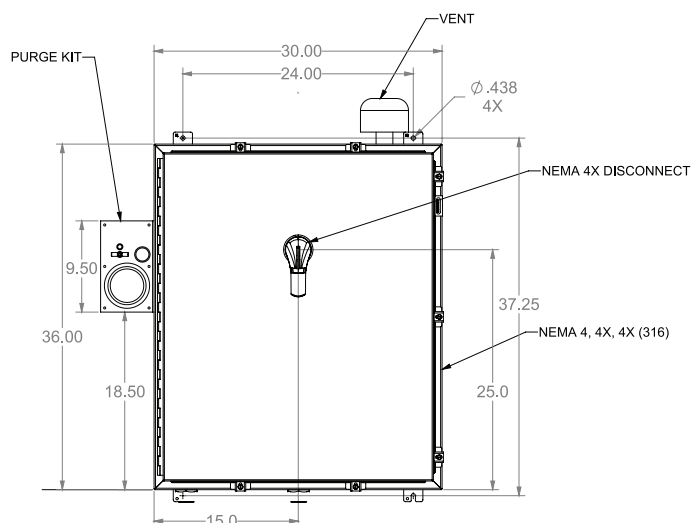
- True RMS GFCI
- Digital display
- Enclosed manual reset

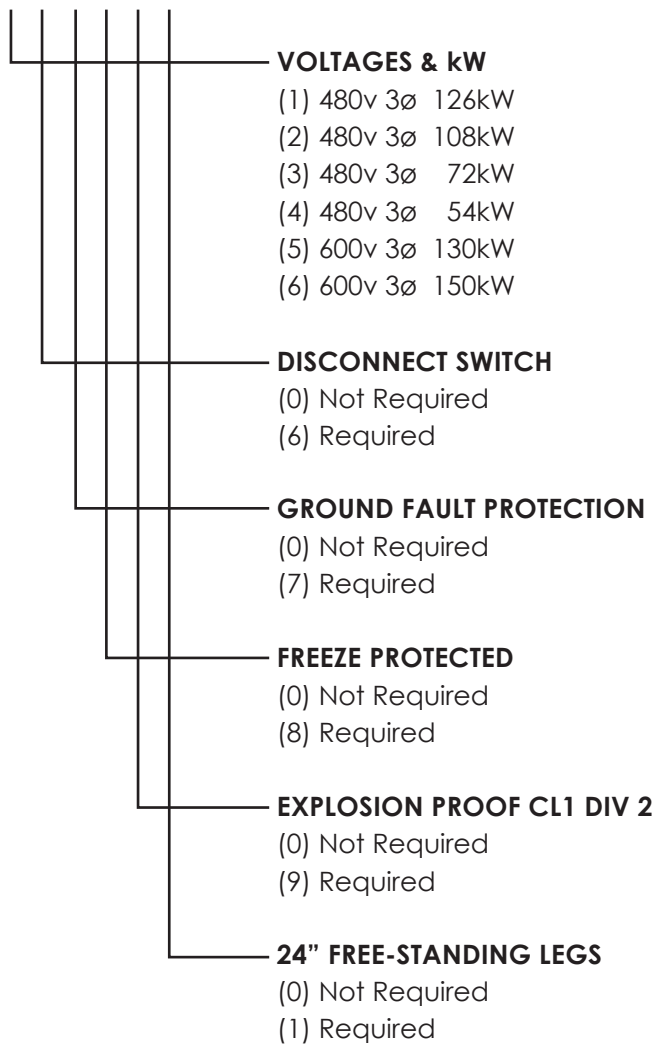
EDS - Electrical Disconnect Switch

- UL98 non-fusible indoor disconnect
- Rated at 600v with 100 or 200 amp capacity (predetermined by kW of water heater)

EP - Explosion Proof

- Large-volume pressurization purge controller (volume up to 90 cubic feet) 3003 Lps, NEC type Y Class 1 Div 2, Groups A, B, C and D classified by Underwriters Laboratories, NFPA 496 - 1993



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