



model 9321

Compact Wall-Mount Electric Tankless Heater

FEATURES & BENEFITS

MODEL 9321

Unit enclosed in a powder-coated, cold rolled steel NEMA 1 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. Industry-leading temperature response rate.

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.

INSTALLATION

Unit designed for wall-mounted installation.

MAINTENANCE

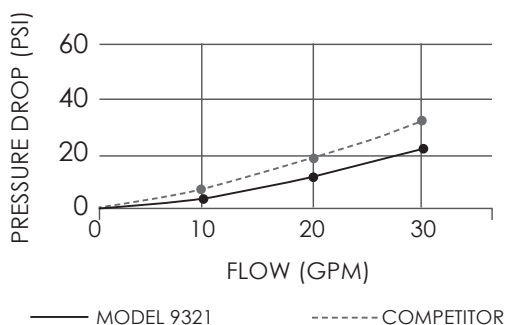
Unit is designed for wall mounting only in areas not subject to freezing temperatures, temp and pressure relief valve not required, fast response rate means a hot water purge drain line is not required.



SPECIFICATIONS

54 kW 208v, 54-126 kW 480V, 61-150 kW 600V	Size: 18" H x 27" W x 11" D (45.7 cm x 68.6 cm x 27.9 cm) Weight: 65 lbs. (29.48 kg)
Rated Pressure:	150psi
Certifications:	208V & 480V heaters are UL listed to ANSI/UL 499 standard 600V heaters are UL listed to CSA22.2 No.88 standard
Unique Features:	Optic heat sensing safety Extremely compact footprint
Standard Temp Setting:	90° F (32.2° C)
Temp Accuracy:	+/- 1° at steady state flow
Max Flow Rate:	30 GPM (113.6 LPM)

PRESSURE DROP



For more information about any Haws product please contact Modern Plant. Our team of experts are on call to answer all your questions and provide you with any advice.

Web: www.safetyshowerstations.ie | Email: sales@modernplant.ie | Tel: 01 461 4300

SAFETY APPLICATIONS

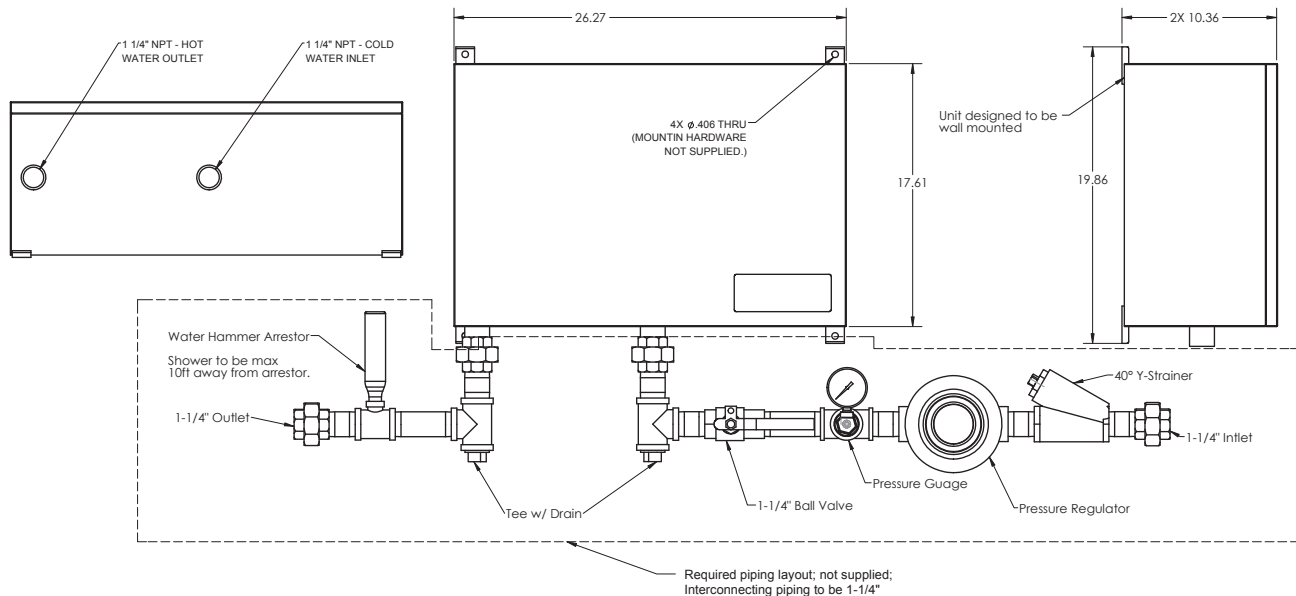
EYE/FACE WASH & DRENCH SHOWERS

Please specify power requirements when selecting a model.

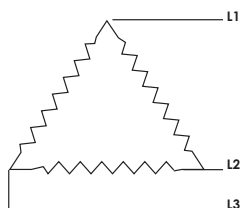
	VOLTAGE (Delta)	POWER (kW)	AMPS	RECOMMENDED WIRE SIZE	TURN-ON (GPM)	PHASE	NPT FITTING	TEMPERATURE RISE IN GPM (°F)							
								3.0	4.0	5.0	6.0	20.0	23.0	26.0	30.0
Model 9321	208v 3ø	54	150A/phase	2/0 AWG	1.5	Three	1.25"	123°	92°	74°	61°	18°	16°	14°	12°
Model 9321	480v 3ø	54	65A/phase	4 AWG	1.5	Three	1.25"	123°	92°	61°	49°	18°	16°	14°	12°
Model 9321	480v 3ø	72	87A/phase	3 AWG	2.5	Three	1.25"	•	123°	82°	66°	25°	21°	19°	16°
Model 9321	480v 3ø	108	130A/phase	1 AWG	2.5	Three	1.25"	•	•	123°	98°	37°	32°	28°	25°
Model 9321 (Standard)	480v 3ø	126	151A/phase	2/0 AWG	2.5	Three	1.25"	•	•	•	115°	43°	37°	33°	29°
Model 9321	600v 3ø	61	59A/phase	6 AWG	2.5	Three	1.25"	139°	104°	83°	69°	21°	18°	16°	14°
Model 9321	600v 3ø	102	98A/phase	1 AWG	2.5	Three	1.25"	•	•	139°	116°	35°	30°	27°	23°
Model 9321	600v 3ø	130	125A/phase	1 AWG	2.5	Three	1.25"	•	•	•	118°	44°	39°	34°	26°
Model 9321	600v 3ø	150	144A/phase	2/0 AWG	2.5	Three	1.25"	•	•	•	•	51°	45°	39°	34°

• Temperature electronically limited to factory preset not to exceed temperature

INSTALLATION DRAWING



ELECTRICAL CONFIGURATION & REQUIREMENTS



Three Phase Units Delta Configuration

Requires: 3 Lives and
1 Ground (earth)

Additional options are not available for this unit,
please see Haws® 9326 and 9327 models for similar
units with capacity of additional options.

MODEL SELECTION

MODEL 9321. (X) Select one option from 1-9 below

VOLTAGES & kW

- | | |
|-------------------|-------------------|
| (1) 480v 3ø 126kW | (6) 600v 3ø 150kW |
| (2) 480v 3ø 108kW | (7) 600v 3ø 102kW |
| (3) 480v 3ø 72kW | (8) 600v 3ø 61kW |
| (4) 480v 3ø 54kW | (9) 208v 3ø 54kW |
| (5) 600v 3ø 130kW | |

Your configuration model: 9321. _____