nyle water heating systems

ThermaCharge+

Energy Storing Water Tanks

Designed for use as a recovery heater having its own storage tank.

Features:

Glass-lined Tank

119 gallon capacity. Tank interior is coated with glass specially designed for water heater use.

Terminal Block

Factory-installed. Just bring the service to heater and connect to block.

Elements

Zinc plated copper sheaths for longer life. Medium watt density means lower surface temperature to minimize scale build-up and more surface to heat water. Maximum input 12 kW

Controls

Temperature control (adjustable through a range of 130° - 170°F on single element and 120° - 181°F on dual element) and manual reset high temperature cutoff per element.

Demand Response Compatible

MADE IN USA

12 Stevens Rd
Brewer Maine

(800) 777-6953

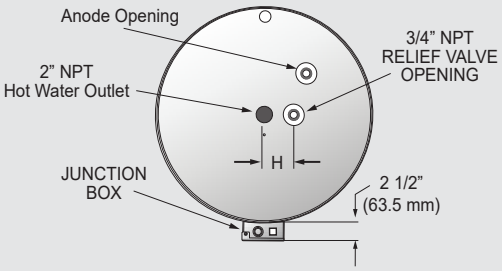
watersales@nyle.com
water.nyle.com

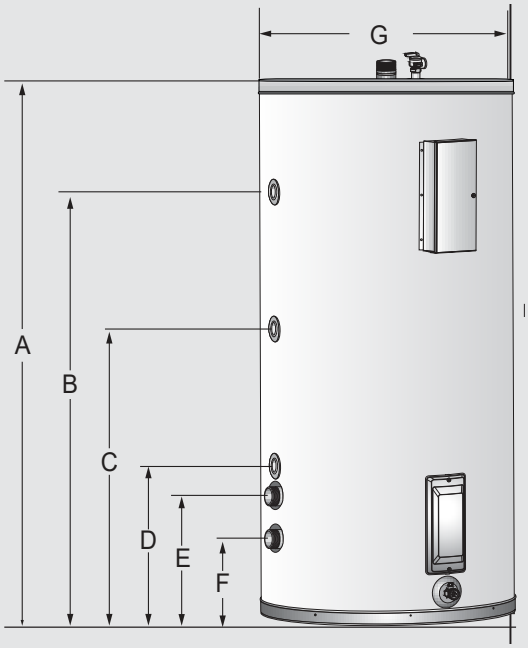
Additional Features:

- CSA Certified And Asme Rated T&P Relief Valve
- Simplified Circuitry, Color Coded For Ease Of Service
- Anode Rod For Maximum Corrosion Protection
- Cabinet Has Bonderized Undercoat With Baked Enamel Finish
- Top Inlet And Outlet Openings
- Drain Valve
- UL Approved Field Conversion Program
- Compliance; Meets The Standby Loss Requirements Of The U.S. Department Of Energy And Current Edition Of ASHRAE/IES 90.1.

Rough-in Dimensions:

Number of Elements		2
Tank Capacity	**US Gal**	119
	Liters	450
A	**Inches**	62 7/16
	mm	1586
B	**Inches**	49 ¾
	mm	1264
C	**Inches**	33 ¾
	mm	857
D	**Inches**	11 ¾
	mm	451
E 2” NPT Recirculation Fitting	**Inches**	13 ¼
	mm	337
F 2” NPT Inlet	**Inches**	9 ¼
	mm	235
G	**Inches**	29 ⅜
	mm	746
H	**Inches**	4
	mm	101.6
Shipping Weight	**lbs**	326
	Kg.	147.9





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Element Availability Chart: (Light-Duty Commercial Electric)

Voltage	Wiring	kW Input Available
240V	Simultaneous	12**
277V*	Simultaneous	12
480V	Simultaneous	12

* Single-Phase only for 277V
** Simultaneous only in 3ph

Electric Characteristics:

Simultaneous Dual Element Operation (Single Phase Connection)

Element Wattage Upper / Lower	Full Load Current in Amperes (Terminals - L1, L2)	
	240V	480V
6000	N/A	25

Simultaneous Dual Element Operation (Unbalances Three Phase Connection)

Element Wattage Upper / Lower	Full Load Current in Amperes (Terminals - L1/ Terminals L2 & L3)	
	240V	480V
6000	43.3 / 25.0	21.6 / 12.5

Recovery Capacities:

Element Wattage Upper / Lower	Input kW	U.S. Gallons/Hr and Liters/Hr at Temperature Rise Indicated										
		°F	36	40	54	60	72	80	90	100	108	120	126
		°C	20	22.2	30	33.3	40	44.4	50	55.5	60	66.6	70
6000/6000	12	GPH	135	122	90	81	68	61	54	49	45	41	39
		LPH	511	460	341	307	256	230	205	184	170	153	146

Recovery capacities at 100° F rise equal: for non-simultaneous element operation = 4.1 gal. x kW of one element; for simultaneous element operation = 4.1 gal. x 2/3 kW of both elements. For other rises multiply element kW as previously explained by 410 and divide by temperature rise. Full load current for single phase = total watts/voltage.

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