

WHES**TALL | HIGH | LOW BOY | ELECTRIC WATER HEATER****Electronic Temperature Control | Top Connect | 60Hz****RESIDENTIAL****PRODUCT SPECIFICATIONS (EHB)****30, 40 and 50 Gallons****208/240V-1Ph****FEATURES****Fully Automatic Surface Mounted Thermostats**

- Controls temperature, combined with a manual energy cut-off to prevent overheating

Dual Incoloy Superalloy Heating Elements

- Superior resistance to high temperatures and corrosive environments
- Low wattage density to ensure more efficient operation and longer element life

SediMotion™ Turbulence-Inducing Dip Tube

- Engineered to reduce sediment buildup inside the tank

Full Flow Brass Drain Valve

- Allows easy and quick drainage

Factory Installed Heat Traps

- Reduces standby heat loss caused by heat mitigation to water pipes.

Temperature And Pressure Relief Valve

- Factory provided and installed

QUALITY**Heavy Gauge Steel Tank**

- Extra years of trouble-free service

Permaclad™ Glass-Lined Tank

- Lined and fired at 1600°F for optimum protection from the effects of corrosion

Magnesium Anode Rod

- Prolongs tank life

WARRANTY

- Tank - Limited six years in residential applications, one year in non-residential applications
- Components - Limited six years

NOTE - Refer to Lennox® Basic Limited Warranty at www.Lennox.com for additional details.

**PERFORMANCE**

- Up to 0.93 UEF
- Up to 65 gallons First Hour Rating (FHR)

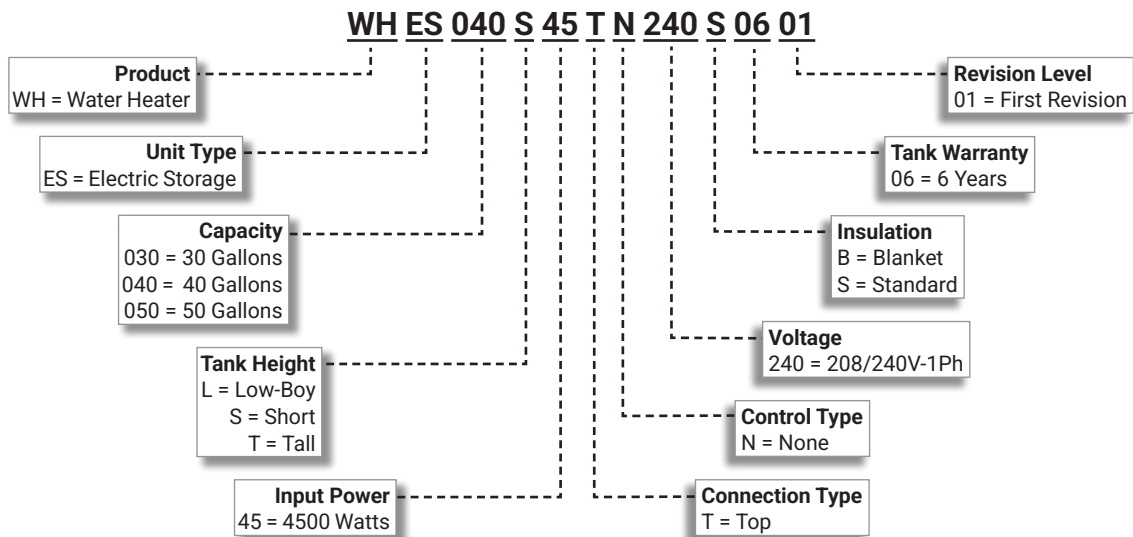
HFO Foam Insulated

- Two-inch thick, environmentally-friendly insulation foam
- Saves energy, reduces fuel cost by maximizing heat retention
- Contributes to overall energy efficiency

APPROVALS

- AHRI Certified
- Meets or Exceeds DOE Efficiency Requirements
- All models comply with and meet or exceed ASHRAE Standard 90.1B

MODEL NUMBER IDENTIFICATION



SPECIFICATIONS

LOW BOY MODELS

Model		WHES030L45T N240S06	WHES040L45T N240S06	WHES050L45T N240S06	WHES030L45T N240B06	WHES040L45T N240B06
Insulation		Standard	Standard	Standard	² Blanket	² Blanket
Nominal Capacity	Gallons	29	38	46	30	40
DOE Rated Capacity	Gallons	27	36	42	28	36
First Hour Rating	Gallons	40	41	52	40	50
¹ GPH Recovery @ 90°F Rise	Gallons	21	21	21	21	21
Uniform Energy Factor		0.93	0.91	0.93	0.92	0.92
Line voltage data (Volts-Phase-Hz)		208/240-1-60	208/240-1-60	208/240-1-60	208/240-1-60	208/240-1-60
Electrical Breaker Size	Amps	25	25	25	25	25
Element Wattage		4500	4500	4500	4500	4500
³ Element Wattage Derate @ 208V		3380	3380	3380	3380	3380
Recommended Drain Pan Diameter	in. (mm)	24 (610)	26 (660)	28 (711)	22 (558)	24 (610)
Shipping Weight	lbs.	106	135	146	106	112

NOTES - All models are UL and CEC listed and meet or exceed ASHRAE 90.1B.

Heaters are wired for non-simultaneous operation, single phase 240 Volts with dual 4500 Watt elements, unless otherwise specified.

All models are certified at 300 PSI test pressure and 150 PSI working pressure.

¹ Recovery calculations used are based on 4500-watt elements used in non-simultaneous operation. Replacing 4500 Watt heating elements, with 6000 Watt non-simultaneous elements will increase the recovery rating from 21 GPH to 27 GPH @ 90° Rise.

² Insulation blanket is required to achieve UEF value. Blanket is furnished with water heater. Blanket adds 3 inches (76 mm) to the tank height and 6 inches (152 mm) to the tank diameter.

³ Water heaters are manufactured to voltage and wattage specified. When less than design voltage is supplied to the unit, the element will still heat, but at less than the design value

SPECIFICATIONS		SHORT MODELS		
Model		WHES030S45TN240S06	WHES040S45TN240S06	WHES050S45TN240S06
Insulation		Standard	Standard	Standard
Nominal Capacity	Gallons	30	40	50
DOE Rated Capacity	Gallons	27	36	45
First Hour Rating	Gallons	41	51	60
¹ GPH Recovery @ 90°F Rise	Gallons	21	21	21
Uniform Energy Factor		0.92	0.92	0.92
Line voltage data (Volts-Phase-Hz)		208/240-1-60	208/240-1-60	208/240-1-60
Electrical Breaker Size	Amps	25	25	25
Element Wattage		4500	4500	4500
² Element Wattage Derate @ 208V		3380	3380	3380
Recommended Drain Pan Diameter	in. (mm)	20 (508)	22 (558)	24 (610)
Shipping Weight	lbs.	95	112	130

NOTES - All models are UL and CEC listed and meet or exceed ASHRAE 90.1B.

Heaters are wired for non-simultaneous operation, single phase 240 Volts with dual 4500 Watt elements, unless otherwise specified.

All models are certified at 300 PSI test pressure and 150 PSI working pressure.

¹ Recovery calculations used are based on 4500-watt elements used in non-simultaneous operation. Replacing 4500 Watt heating elements, with 6000 Watt non-simultaneous elements will increase the recovery rating from 21 GPH to 27 GPH @ 90° Rise.

² Water heaters are manufactured to voltage and wattage specified. When less than design voltage is supplied to the unit, the element will still heat, but at less than the design value

SPECIFICATIONS		TALL MODELS	
Model		WHES040T45TN240S06	WHES050T45TN240S06
Insulation		Standard	Standard
Nominal Capacity	Gallons	40	50
DOE Rated Capacity	Gallons	37	45
First Hour Rating	Gallons	51	65
¹ GPH Recovery @ 90°F Rise	Gallons	21	21
Uniform Energy Factor		0.92	0.92
Line voltage data (Volts-Phase-Hz)		208/240-1-60	208/240-1-60
Electrical Breaker Size	Amps	25	25
Element Wattage		4500	4500
² Element Wattage Derate @ 208V		3380	3380
Recommended Drain Pan Diameter	in. (mm)	20 (508)	22 (558)
Shipping Weight	lbs.	117	150

NOTES - All models are UL and CEC listed and meet or exceed ASHRAE 90.1B.

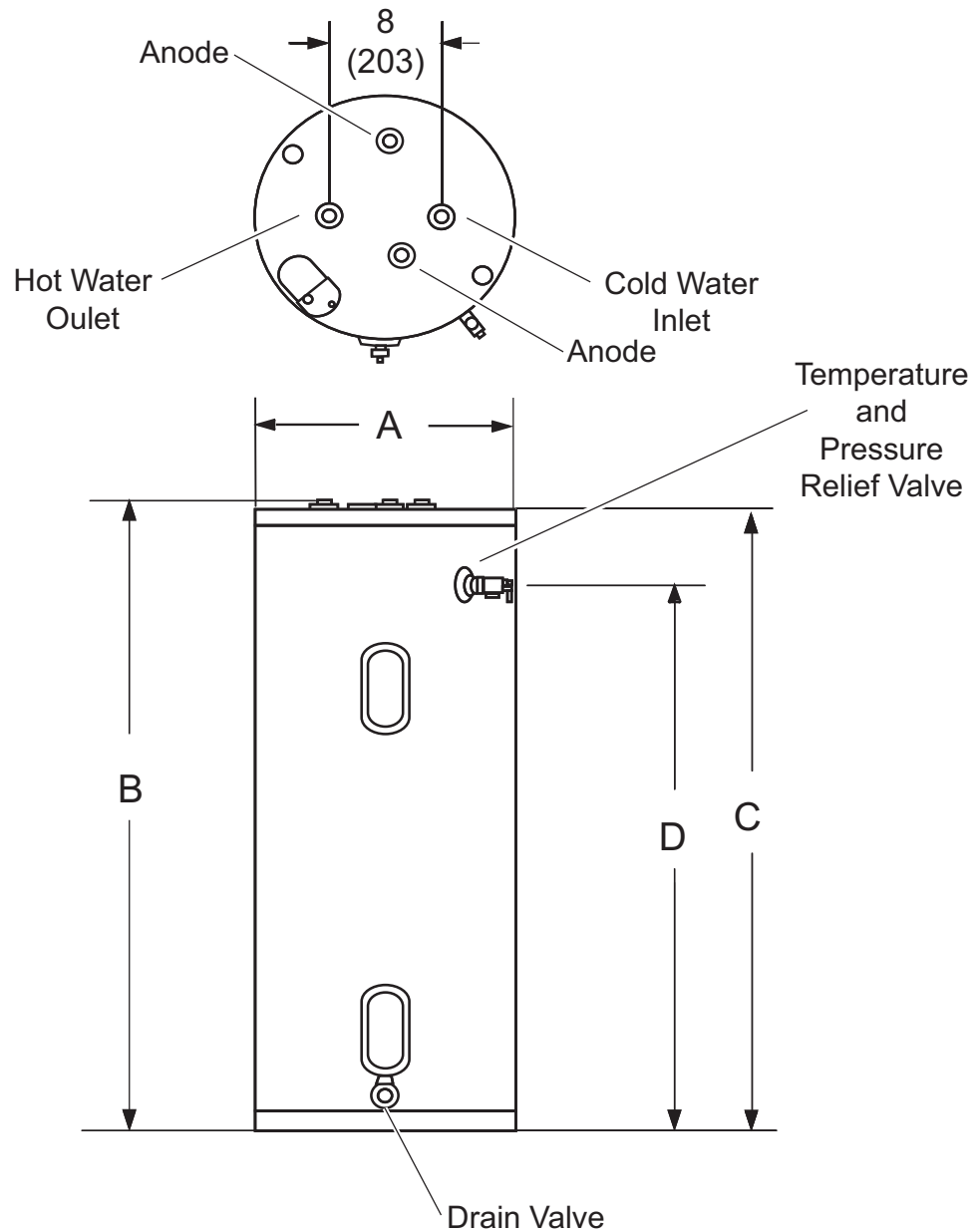
Heaters are wired for non-simultaneous operation, single phase 240 Volts with dual 4500 Watt elements, unless otherwise specified.

All models are certified at 300 PSI test pressure and 150 PSI working pressure.

¹ Recovery calculations used are based on 4500-watt elements used in non-simultaneous operation. Replacing 4500 Watt heating elements, with 6000 Watt non-simultaneous elements will increase the recovery rating from 21 GPH to 27 GPH @ 90° Rise.

² Water heaters are manufactured to voltage and wattage specified. When less than design voltage is supplied to the unit, the element will still heat, but at less than the design value

DIMENSIONS



Model	A		B		C		D	
	in.	mm	in.	mm	in.	mm	in.	mm
Low Boy Models								
WHES030L45TN240S06	22-1/4	565	34-1/2	876	32-1/2	826	25-1/2	648
WHES040L45TN240S06	24-1/4	616	36-1/2	927	34-1/4	870	27	686
WHES050L45TN240S06	26-1/4	667	36-1/2	927	34-1/4	870	26-1/4	667
WHES030L45TN240B06	19-3/4	502	32	813	30-1/2	775	24-1/2	622
WHES040L45TN240B06	22-1/4	565	34	864	32-1/2	826	25-3/4	654
Short Models								
WHES030S45TN240S06	18-1/4	464	50	1270	48	1219	41-3/4	1060
WHES040S45TN240S06	20-1/4	514	51-1/4	1302	49-1/4	1251	42-1/2	1080
WHES050S45TN240S06	22-1/4	565	50-3/4	1289	48-3/4	1238	41-3/4	1060
Tall Models								
WHES040T45TN240S06	18-1/4	464	63-1/2	1613	61-1/2	1562	55-1/4	1403
WHES050T45TN240S06	20-1/4	514	61-3/4	1568	59-3/4	1518	53-1/4	1353



Visit us at www.Lennox.com

For the latest technical information, www.LennoxPros.com

Contact us at 1-800-9-LENNOX

NOTE - Due to Lennox' ongoing commitment to quality, Specifications, Ratings and Dimensions subject to change without notice and without incurring liability.
Improper installation, adjustment, alteration, service or maintenance can cause property damage or personal injury.
Installation and service must be performed by a qualified installer and servicing agency.

©2026 Lennox Industries, Inc.