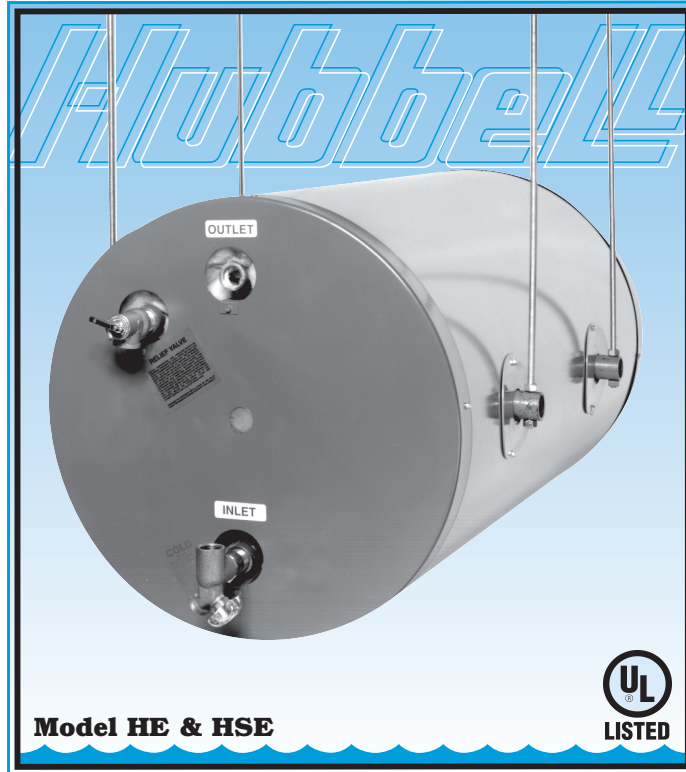


CEILING HUNG HORIZONTAL WATER HEATER

**20 OR 30 GALLON CAPACITY,
ALL VOLTAGES, SINGLE OR THREE PHASE** **Model HE & HSE**

FEATURES

- **Space Saving Design**
 - Horizontal ceiling hung tank requires minimal clearance and no floor space
 - Simple tie rod installation eliminates expensive and cumbersome mounting shelves
- **Heavy Duty Construction**
 - Hydrastone cement lining provides long tank life
 - High impact composite jacket cannot rust or corrode and eliminates damage during transit and installation
- **Reliable**
 - Full range of sizes to meet your exact heating needs
 - Immersion adjustable thermostat provides accurate temperature control
 - Full five (5) or ten (10) year Non Pro-Rated tank warranty



Model HE & HSE

The HE/HSE model is a ceiling hung space saving electric water heater.

APPLICATIONS

- Office Buildings
- Renovations
- Tenant Work
- Areas With Little Or No Available Floor Space
- Executive Showers
- Multiple lavatories



A SPACE SAVING WATER HEATER THAT'S EASILY INSTALLED

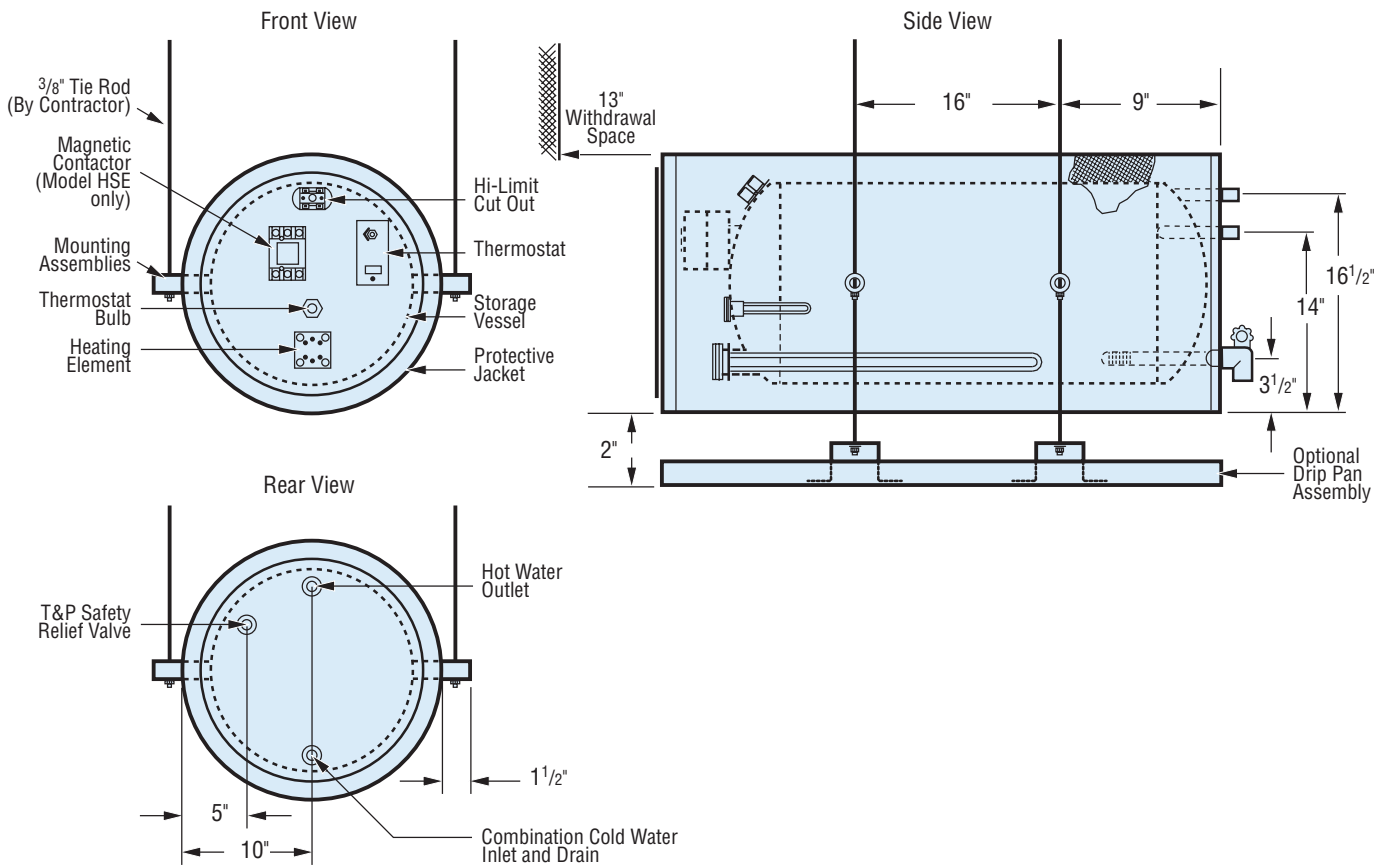
Today's design requirements put a premium on floor space for many commercial applications. The Hubbell HE and HSE model water heaters specifically address the concern of utilization of space by providing a horizontal water heater for installation above a drop ceiling. The integrally welded mounting assemblies are designed for quick and efficient

job site installation without the need for cumbersome and expensive structural platforms. This design, in conjunction with the superior characteristics of a Hydrastone cement lined tank, gives you the confidence in knowing that when you specify and install a Hubbell water heater, the owner will be provided with a quality product that is a long lasting and trouble-free source for hot water.

A WATER HEATER THAT REQUIRES NO FLOOR SPACE

HubbellTM

OUTLINE DIMENSIONS



Base Models	Storage Capacity (Gallons)	Dimensional Data (Inches)		Dry Weight (LBS)
		Overall Diameter	Overall Length	
HE20 HSE20	20	20	37	135
HE30 HSE30	30	20	45.5	165

Note: Contractor to supply 3/8" diameter Tie Rod for hanging installation.

STANDARD EQUIPMENT

- 1/2" thick Hydrastone cement lining.
- Four (4) integrally welded factory installed mounting assemblies.
- Magnetic Contactor on HSE model only.
- Incoloy Sheathed Immersion heating element.
- Immersion thermostat (100-180°F Range).
- Surface type safety hi-limit cut out with a manual reset button (190°F).
- ASME temperature and pressure relief valve set at 150 psi and 210°F.
- 2" thick Polyurethane Foam insulation.
- High impact non-corroding colorized composite protective jacket.

OPTIONAL EQUIPMENT

- 1. Low range immersion thermostat (30-110°F Range).
- 2. Drip pan assembly.
- 3. Ten (10) year Non Pro-Rated tank warranty.
- 4. Sway resistant adapter to install directly into the standard mounting assembly to provide seismic attachment points.

MODEL HE & HSE WATER HEATER SPECIFICATIONS

Tank:	Hydrastone cement Lined Steel	High Limit:	190°F
Capacities:	20 or 30 Gallons	Design WP:	150 psi
Orientation:	Horizontal	Design TP:	300 psi
Voltages:	120 thru 480 Volt	Element:	Incoloy Sheathed
Phase:	Single or Three Phase	Insulation:	2" Polyurethane Foam
Inlet Size:	3/4" Female NPT	Tank Warranty	
Outlet Size:	3/4" Female NPT	Standard:	5 Year Non Pro-Rated
Drain Size:	3/4" Hose Connection	Optional:	10 Year Non Pro-Rated
Relief Valve		Electrical Warranty:	1 Year
Opening:	3/4" Female NPT	Jacket:	High Impact Colorized Composite
Type:	T&P, 210°F, 150psi	Color:	Brown and Tan
Thermostat Range:	100-180°F		

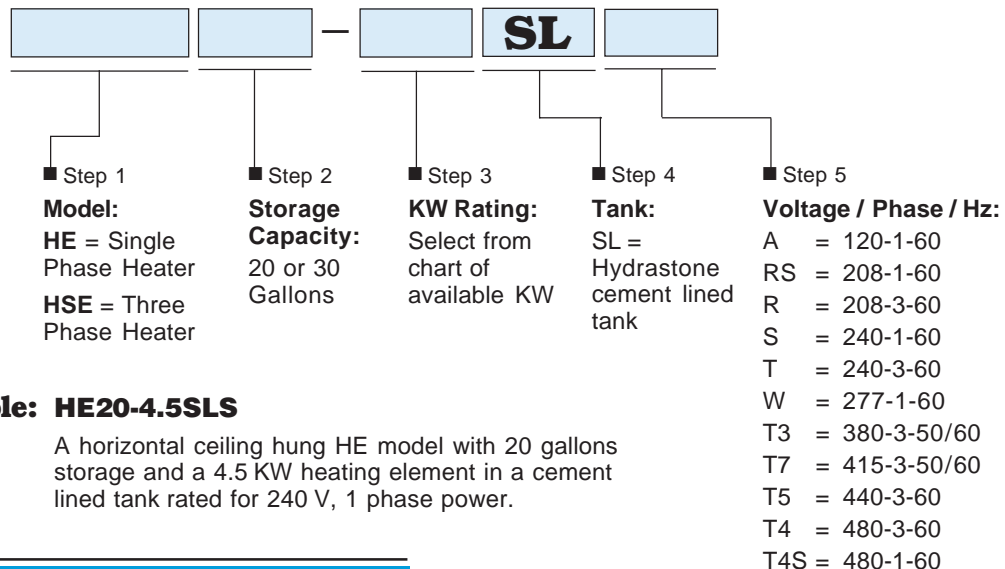
KW SELECTION CHART

Base Model	Phase	KW Ratings Available				
		120V	208V	240V	277V*	480V
HE	1Φ	1.5, 2	1.5, 2, 3, 4, 4.5, 5, 6			
HSE	3Φ	N/A	2.5, 3, 4, 5, 8, 10, 12			

* 277 Volt Available in Single Phase Only.

Note: 1 KW will heat 4.1 GPH at a 100°F Rise (40-140°F)

MODEL NUMBER DESIGNATION



Example: HE20-4.5SLS

A horizontal ceiling hung HE model with 20 gallons storage and a 4.5 KW heating element in a cement lined tank rated for 240 V, 1 phase power.

OPTION NOTE

Any and all optional equipment for a water heater must be called out in the written specifications. A model number in and of itself does not reflect any optional equipment selected.

MASTER SPECIFICATIONS: MODEL HE & HSE

JOB NAME _____

ENGINEER _____

REPRESENTATIVE _____

CONTRACTOR _____

GENERAL

Provide a quantity of _____ horizontal ceiling-hung electric water heater(s) Model No. _____ as manufactured by HUBBELL Electric Heater Co., Stratford, CT. The water heater requires no floor space and is complete with all operating controls and is ready for plumbing and electrical service connections. The tank shall be all welded steel commercial construction designed for 150psi working pressure and a storage capacity of _____ (specify: 20 or 30) gallons. The tank is to be lined with seamless Hydrastone cement to a minimum thickness of 1/2" on 100% of all interior tank surfaces and will not require any type of anodic protection. The tank shall be designed and fabricated with non-ferrous inlet and outlet piping for maximum corrosion resistance. The entire tank is to be insulated with a minimum of 2" thick polyurethane foam insulation and exceed the latest ASHRAE standard for stand-by heat loss. The complete heater shall be supplied with a high impact colored composite protective jacket which cannot rust or corrode and does not require painting. The unit shall bear the UL listing mark certifying the entire water heater.

The cold water inlet shall be 3/4" Female NPT and include a non-corrosive strata-flow diffuser which prevents incoming cold water from mixing too rapidly with hot water in the tank. A 3/4" hose connection drain is supplied. The hot water outlet shall be 3/4" Female NPT and a separate 3/4" Female NPT tapping is to be provided for relief valve installation. An ASME rated automatic reseating combination temperature and pressure safety relief valve set at 150psi and 210°F shall be factory supplied.

RECOVERY

The heating element shall be a high quality incoloy sheath electric immersion type, and shall be rated at _____ KW which will heat _____ GPH of water at _____ °F Rise (_____ ° to _____ °F).

ELECTRICAL

The heater shall be designed to operate at _____ volts _____ phase _____ Hz with all necessary operating controls factory mounted, wired and tested. Water temperature shall be controlled through an adjustable 100-180°F immersion thermostat to ensure accurate and dependable control of the water temperature. An over-temperature manual reset Hi-Limit shall be factory installed to disconnect all conductors to the heating element in the event of an over-temperature condition in the pressure vessel.

In addition, the water heater shall be supplied with the following optional features:

- Option** Ten (10) year Non Pro-Rated tank warranty
- Option** Drip pan assembly
- Option** Low range 30-110°F thermostat
- Option** _____

The water heater manufacturer shall warranty all electrical components against defects in workmanship and material for a period of one (1) year from date of start-up, and the pressure vessel for a full five (5) years Non Pro-Rated (**Optional Specification: full ten (10) years Non Pro-Rated**) from date of start-up, provided that the unit is started within three (3) months of shipment and installed and operated within the scope of the tank design and operating capability. Each water heater shall be shipped with a complete set of installation and operating instructions including spare parts list and approved drawings.

