



## Standard Hi-Power® Commercial Electric Water Heaters

### Commercial Electric Water Heaters HS and HC models

#### Outstanding Features

*Engineered and constructed for commercial, industrial, and institutional applications.*

- **Heavy-Duty Glass-Lined Steel Tank**—300 psi test pressure, 150 psi working pressure.
- **Magnesium Tank Savers**—large diameter anodes for longer tank life, greater protection.
- **Heating Element**—Copper sheath, tin coated—immersion type—heats water faster, more economically—low watt density, (75 watts/in<sup>2</sup>).
- **Energy Cut-Off**—Shuts off electrical power should the water temperature in the tank exceeds 200° F.
- **Overcurrent Protection Fuses**—All elements and controls are fused in accordance with U.L. requirements.
- **Temperature and Pressure Relief Valve.\***
- **Factory Installed Dielectric Water Connections**
- **Handhole Cleanout.**
- **Non-CFC Foam Insulation**—Full 3" of insulation on the top and around the sides. Meets ASHRAE Energy Efficiency Standards.
- **Hinged Access Door**—Provides easy access from front of heater to electrical controls.
- **Available with Surface Mounted Thermostats or Immersion Thermostats and Contactors.**
- **Immersion Thermostat Model**—Approved for operation at 180° F outlet temperature.
- **Listed by Underwriters' Laboratories, Inc.**
- **Warranty**—3 year limited tank warranty.

(See warranty for details)



\*Note: T&P relief valve supplied, not factory mounted.

**Meets ASHRAE Energy Efficiency Standards**

# Standard Hi-Power® Dimensions & Specifications

Model Number	KW	Gallon Capacity	GPH @ 100°F Rise	Number of Elements	A	B	C	D	Shipping Weight
HS*09-052	9	50	37	3	47-3/4"	24"	30-1/2"	41"	270
HS*12-052	12	50	50	3	47-3/4"	24"	30-1/2"	41"	270
HS*15-052	15	50	62	3	47-3/4"	24"	30-1/2"	41"	270
HS*18-052	18	50	74	3	47-3/4"	24"	30-1/2"	41"	270
HS*24-052	24	50	99	6	47-3/4"	24"	30-1/2"	41"	270
HS*27-052	27	50	112	6	47-3/4"	24"	30-1/2"	41"	270
HS*30-052	30	50	124	6	47-3/4"	24"	30-1/2"	41"	270
HS*36-052	36	50	149	6	47-3/4"	24"	30-1/2"	41"	270
HS*09-082	9	80	37	3	60-1/4"	26"	32-1/2"	52-1/2"	335
HS*12-082	12	80	50	3	60-1/4"	26"	32-1/2"	52-1/2"	335
HS*15-082	15	80	62	3	60-1/4"	26"	32-1/2"	52-1/2"	335
HS*18-082	18	80	74	3	60-1/4"	26"	32-1/2"	52-1/2"	335
HS*24-082	24	80	99	6	60-1/4"	26"	32-1/2"	52-1/2"	335
HS*27-082	27	80	112	6	60-1/4"	26"	32-1/2"	52-1/2"	335
HS*30-082	30	80	124	6	60-1/4"	26"	32-1/2"	52-1/2"	335
HS*36-082	36	80	149	6	60-1/4"	26"	32-1/2"	52-1/2"	335
HS*45-082	45	80	186	9	60-1/4"	26"	32-1/2"	52-1/2"	335
HS*54-082	54	80	223	9	60-1/4"	26"	32-1/2"	52-1/2"	335
HS*09-120	9	119	37	3	64-1/2"	30-1/4"	37-1/4"	55"	430
HS*12-120	12	119	50	3	64-1/2"	30-1/4"	37-1/4"	55"	430
HS*15-120	15	119	62	3	64-1/2"	30-1/4"	37-1/4"	55"	430
HS*18-120	18	119	74	3	64-1/2"	30-1/4"	37-1/4"	55"	430
HS*24-120	24	119	99	6	64-1/2"	30-1/4"	37-1/4"	55"	430
HS*27-120	27	119	112	6	64-1/2"	30-1/4"	37-1/4"	55"	430
HS*30-120	30	119	124	6	64-1/2"	30-1/4"	37-1/4"	55"	430
HS*36-120	36	119	149	6	64-1/2"	30-1/4"	37-1/4"	55"	430
HS*45-120	45	119	186	9	64-1/2"	30-1/4"	37-1/4"	55"	430
HS*54-120	54	119	223	9	64-1/2"	30-1/4"	37-1/4"	55"	430

\* = Voltage - See voltage schedule      Immersion Thermostat w/ Contactors  
 Change S, W, X, Y, Z for immersion thermostat model.      1-1/2" NPT Water Connections

## AMPERAGE TABLE

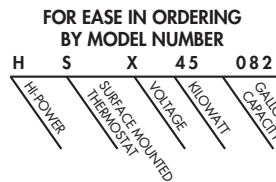
KW	Single Phase			Three Phase				
	208V	240V	277V	208V	240V	380V	415V	480V
9	43	38	32	25	22	14	13	11
12	58	50	43	33	29	18	17	14
15	72	63	54	42	36	23	21	18
18	87	75	65	50	43	27	25	22
24	115	100	87	67	58	36	33	29
27	130	113	97	75	65	41	38	32
30	144	125	108	83	72	46	42	36
36	173	150	130	100	87	55	50	43
45	216	188	162	125	108	68	63	54
54	260	225	195	150	130	82	75	65

### SURFACE MOUNTED THERMOSTAT VOLTAGE SCHEDULE

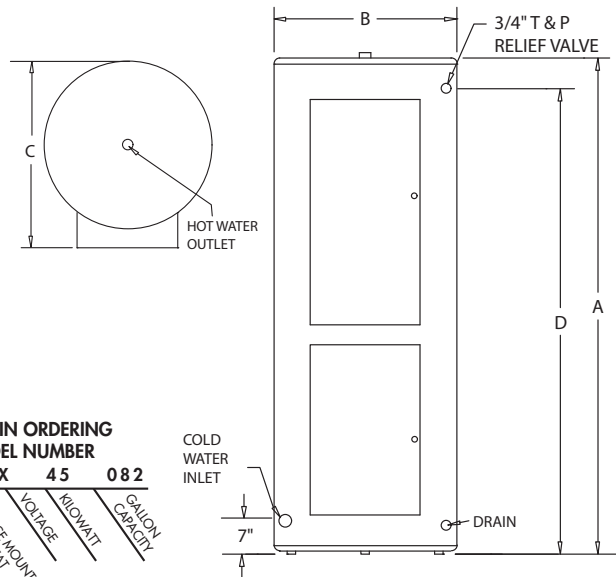
P — 240V 1Ø or 3Ø  
 T — 208V 1Ø or 3Ø  
 W — 277V 1Ø  
 X — 480V 3Ø  
 Y — 380V 3Ø  
 Z — 415V 3Ø

### IMMERSION THERMOSTAT w/ CONTACTORS VOLTAGE SCHEDULE

A — 240V 1Ø      W — 277V 1Ø  
 B — 240V 3Ø      X — 480V 3Ø  
 J — 208V 1Ø      Y — 380V 3Ø  
 K — 208V 3Ø      Z — 415V 3Ø



This heater is a 480 volt, 3 phase, 45 KW, 82 gallon Standard Hi-Power model with surface mounted thermostats.



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