

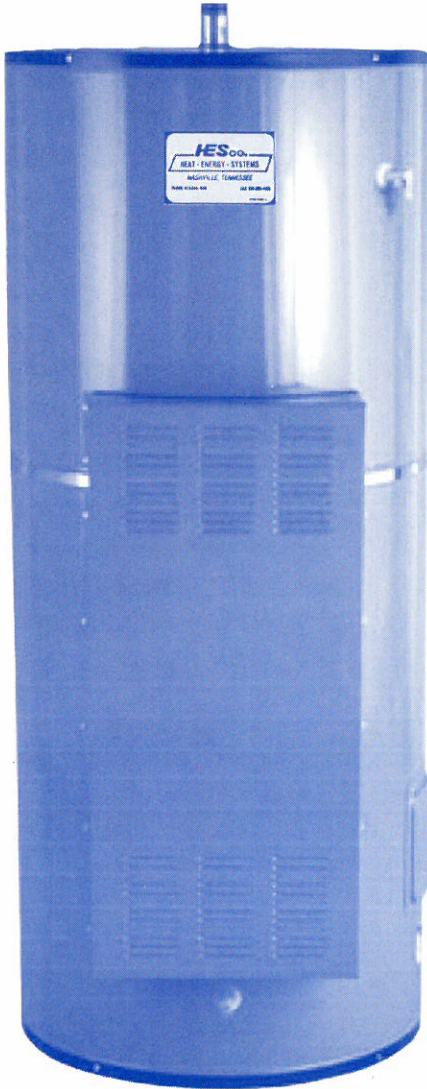
HESCO™

INDUSTRIES, INCORPORATED

HEAT ENERGY SYSTEMS

COMMERCIAL ELECTRIC

SERIES 52-80-120
GALLON CAPACITY



STANDARD EQUIPMENT

- Glasslined Tank
- Magnesium Anode
- 150 PSI Working Pressure
- Operating & Hi Limit Thermostat
- Foam Insulation' R Value 16.67
- Enamel Steel Jacket
- E.C.O. (Energy Cut Off)
- Drain Valve
- UL Listed
- ASME T & P Relief Valve
- Handhole Cleanout
- Meets ASHRAE 90.1b. 1992
- Magnetic Contactors
- Surface Mounted Thermostats
- Control Circuit Transformer
- Factory Fusing
- Three Year Limited Tank Warranty

OPTIONAL

- N.S.F. (National Sanitation Foundation)
- Five Year Limited Warranty
- Ten Year Limited Warranty
- 208 Volts
- 240 Volts
- 277 Volts
- 480 Volts
- Single Phase 60 Cycle
- Three Phase 60 Cycle (Not available in 3 KW)



All Hesco commercial electric water heaters meet the energy efficiency requirements of ASHRAE 90. 1B-1992, as well as those of California and all other states.

COMMERCIAL ELECTRIC WATER HEATERS

SAMPLE MODEL NUMBER:

HE - 80 - 27 - 480/3

Hesco Electric

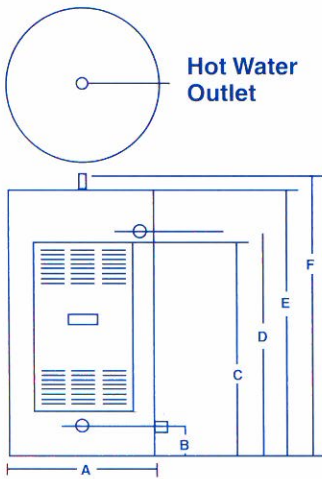
Gallon Capacity

Phase

Voltage

KW

DIMENSIONS (in inches)



MODEL	HE-52	HE-80	HE-119
GALLON Capacity	52	80	119
EXTERIOR Dimensions			
A Jacket Diameter	24-3/4	28-1/4	30-1/4
B Floor To Cold Water Inlet	6-1/2	6-1/2	6-1/2
C Floor To Top Of Control Box	47-9/16	47-9/16	47-9/16
D Floor To PTR Valve	44-3/8	48-17/32	59-7/8
E Height To Top Of Heater	51-1/2	56-1/4	68
F Floor To Hot Water Outlet	54-1/4	58-5/8	70-3/4
Front Control Access Panel Depth	4-1/2	4-1/2	4-1/2
CONNECTIONS			
Water Connection	1-1/2	1-1/2	1-1/2
SHIPPING WEIGHT			
[in pounds - approximate]	271	366	483

HESCO INDUSTRIES, Inc. reserves the right to make product changes and/or improvements without notice.

ELECTRICAL CHARACTERISTICS

Kw Input	Number Of Elements (Fused Models)*								Full Load Current Amperes							
	208V		240V		277V		489V		208V		240V		277V		489V	
	Phase 1	Phase 3	Phase 1	Phase 3	Phase 1	Phase 3	Phase 1	Phase 3	Phase 1	Phase 3	Phase 1	Phase 3	Phase 1	Phase 3	Phase 1	Phase 3
6	1	3	1	3	2	NA	1	3	28.8	16.6	25.0	14.4	21.6	NA	12.5	7.2
9	3	3	3	3	3	NA	3	3	42.2[2]	25.0	37.5[2]	21.6	32.4[2]	NA	18.7[2]	10.8
12	2	3	2	3	2	NA	2	3	57.6	33.3	50.0	28.9	43.3[2]	NA	25.0	14.4
15	3	3	3	3	3	NA	3	3	72.1	41.6	62.5	36.1	54.1	NA	31.2	18.0
18	3	3	3	3	3	NA	3	3	86.5	50.0	75.0	43.4	64.0	NA	37.5	21.6
24	4	6	4	6	4	NA	4	6	115.4	66.7	100.0	57.8	86.6	NA	50.0	28.9
27	6	6	6	6	6	NA	6	6	129.8	75.0	112.5	65.0	97.4	NA	56.2	32.5
30	5	6	5	6	5	NA	5	6	144.2	83.3	125.0	72.2	108.3	NA	62.5	36.1
36	6	6	6	6	6	NA	6	6	173.0	100.0	150.0	86.7	129.9	NA	75.0	43.3
45	9	9	9	9	9	NA	9	9	216.3	125.0	187.5	108.3	162.4	NA	93.7	54.1
54	9	9	9	9	9	NA	9	9	259.6	150.0	225.0	130.0	194.6	NA	112.5	65.0

GPH RECOVERY AT VARIOUS TEMPERATURE RISES

Kw INPUT	TEMPERATURE RISE FAHRENHEIT									
	40°	50°	60°	70°	80°	90°	100°	120°	140°	
6	62	50	41	35	31	28	25	21	18	
9	93	74	62	53	47	41	37	31	27	
12	124	99	83	71	62	55	50	41	35	
15	155	124	103	89	78	69	62	52	44	
18	186	149	124	106	93	83	74	62	53	
24	248	199	164	142	124	110	99	83	71	
27	279	223	186	160	140	124	112	93	80	
30	310	248	207	177	155	138	124	103	89	
36	372	298	248	213	186	165	149	124	106	
45	465	372	310	266	233	207	186	155	133	
54	558	447	372	319	279	248	223	186	160	

Units with amperage draw of 48 amps or more require factory installed fusing. *If the number of elements on non-fused models is different, it is indicated in parentheses following the AMP draw. thermostat settings range from 140°F to 180°. Optional 80°F to 140°F.

