

HESco™

INDUSTRIES, INCORPORATED

HEAT ENERGY SYSTEMS

MODELS - NATURAL or LP GAS

HE-70-125 **70 GALLON, 125,000 BTU**

HE-100-150 **100 GALLON, 150,000 BTU**

HE-100-199 **100 GALLON, 199,000 BTU**

HE-100-250 **100 GALLON, 250,000 BTU**

HE-100-250-ASME **100 GALLON, 250,000 BTU**



- **THERMAL EFFICIENCY UP TO 96%** – exceeds ASHRAE 80% requirement.
- **ENERGY STAR CERTIFIED** – uses 14% to 55% less energy than equipment that meets the minimum federal standard.
- **FLEXIBLE VENTING** – allows optional vertical or horizontal venting and certified for direct vent sealed combustion applications. Provides 135 equivalent feet for 3" or 4" venting and 65 equivalent feet for 2" venting with PVC, CPVC or ABS vent pipe.
- **ELECTRONIC CONTROL OF IGNITION AND THERMOSTAT** – provides accurate water temperature settings from 100° F to 180° F. Display panel indicates operating mode, settings and any failure modes for ease of service.
- **SUBMERGED COMBUSTION CHAMBER** – minimizes radiant heat loss and improves efficiency.
- **ZERO INCH CLEARANCE** – to combustibles to provide additional installation flexibility.
- **INNER TANK GLASSLINED** – with Dura-Glas™ and fired at 1600° F for optimum protection from the effects of corrosion.
- **MAGNESIUM ANODE RODS** – to extend tank life.
- **NON-CFC FOAM INSULATED** – to save energy and reduce fuel costs by maximizing heat retention.
- **FULL SIZE HAND-HOLE CLEANOUT** – for eased tank inspection and/or removal of sediment deposits.
- **FACTORY INSTALLED ENERGY CUT-OFF SYSTEM AND PRESSURE/TEMPERATURE VALVE.**
- **CSA DESIGN CERTIFIED** – in conformance with ANSI Z21.10.3-CSA4.3. Meets and exceeds ASHRAE 90.1-1999.
- **CEC LISTED - CSA** – certified to meet NSF/ANSI 5 Standards.
- **LOW NOX BURNER** – exceeds California SCAQMD, BAAQMD and state of Texas requirements.
- **HESCO HE** – gas water heaters are certified at 300 PSI test pressure and for 150 PSI working pressure. All tanks are hydrostatically tested at the factory.
- **THREE YEARS LIMITED WARRANTY** – upgradable to five years, on inner glass-lined tank and one year limited warranty on all other component parts.

HESCO of Nashville, Inc. • 513-D Ligon Drive • Nashville, Tennessee 37204
Telephone (615) 242-7600 • Fax (615) 255-4405

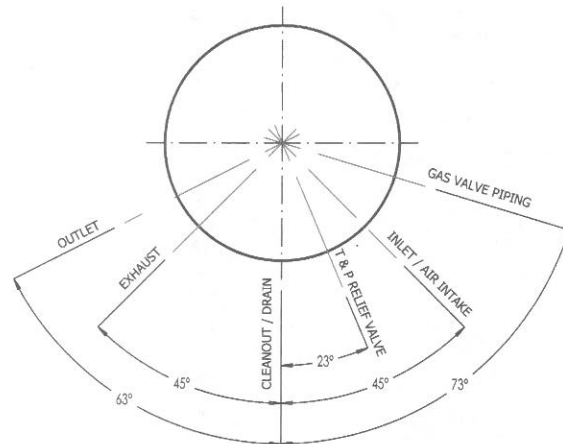
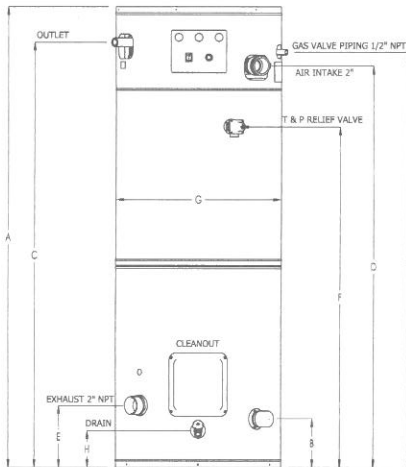
SPECIFICATIONS AND APPLICATION DATA



MODEL NUMBER*	U.S. GALLONS CAPACITY	BTU INPUT NAT GAS	1ST HOUR DELIVERY AT 100 F° RISE	REC GPH 100 F° RISE	BTU INPUT L.P. GAS	REC GPH 100 F° RISE	THERM EFF %
HE-70-125	70	125,000	195	146	125,000	146	96.4%
HE-100-150	100	150,000	245	175	150,000	175	98%
HE-100-199	100	199,000	305	235	199,000	235	97.5%
HE-100-250	100	250,000	358	288	250,000	288	95.3%
HE-100-250-ASME	100	250,000	358	288	250,000	288	95.3%

* For Propane (LP) Gas Model add Suffix "LP"

MODEL	ALL DIMENSIONS IN INCHES. "TO" IS FROM FLOOR										WATER CONN		GAS CONN	T & P CONN	APPROX SHIP WT Lbs
	A	B	C	D	E	F	G	H	J	IN	OUT				
	TO TOP OF HTR	TO COLD IN	TO HOT OUT	TO AIR INTAKE	TO EXHAUST	TO T & P	HTR DIA	TO DRAIN	TO GAS INLET						
HE-70-125	69	7 1/4	63 3/4	60 1/8	9 1/4	51	26 3/8	5 1/2	62 1/4	1 1/2	1 1/2	1/2	3/4	290	
HE-100-150	76 7/8	7 1/4	71 1/2	68 1/8	9 1/4	58	28 3/8	5 1/2	70 1/4	1 1/2	1 1/2	1/2	3/4	490	
HE-100-199	76 7/8	7 1/4	71 1/2	68 1/8	9 1/4	58	28 3/8	5 1/2	70 1/4	1 1/2	1 1/2	1/2	3/4	490	
HE-100-250	76 7/8	7 1/4	71 1/2	68 1/8	9 1/4	58	28 3/8	5 1/2	70 1/4	1 1/2	1 1/2	1/2	1	490	
HE-100-250-ASME	76 7/8	7 1/4	70 1/2	68 1/8	9 1/4	58	28 3/8	5 1/2	70 1/4	1 1/2	1 1/2	1/2	1	490	



MODEL	BTU INPUT (NAT & LP)	RECOVERY IN GALLONS PER HOUR AT VARIOUS TEMPERATURE RISES											
		30 F°	40 F°	50 F°	60 F°	70 F°	80 F°	90 F°	100 F°	110 F°	120 F°	130 F°	140 F°
HE-70-125	125,000	487	365	292	365	209	183	162	146	133	122	112	104
HE-100-150	150,000	594	446	356	297	255	223	198	175	162	149	137	127
HE-100-199	199,000	784	588	470	392	336	294	261	235	214	196	181	168
HE-100-250	250,000	963	722	578	418	413	361	321	288	263	241	222	206
HE-100-250-ASME	250,000	963	722	578	418	413	361	321	288	263	241	222	206

INSTALLATION CLEARANCES	
SIDES	0"
FRONT	0"
REAR	0"
*TOP	0"
TO COMBUSTIBLES	0"
* 12" TOP FOR SERVICING RECOMMENDED	

MODEL	MAXIMUM EQUIVALENT VENT LENGTH (INFEET)		
	USING 2" PIPE PVC, ABS & CPVC	USING 3" PIPE PVC, ABS & CPVC	USING 4" PIPE PVC, ABS & CPVC
HE-70-125	65	135	135
HE-100-150	65	135	135
HE-100-199	65	135	135
HE-100-250	65	135	135
HE-100-250-ASME	65	135	135

GAS VALVE PIPING AT INLET	
MODEL	
HE-70-125	1/2"
HE-100-150	1/2"
HE-100-199	1/2"
HE-100-250	1/2"
HE-100-250-ASME	1/2"

Manufacturer reserves the right to make product changes and/or improvements with or without notice.

HESCO of Nashville, Inc. • 513-D Ligon Drive • Nashville, Tennessee 37204
Telephone (615) 242-7600 • Fax (615) 255-4405