

JOB NAME _____
LOCATION _____
ENGINEER _____
MECH. CONTRACTOR _____
MODEL NO. _____
GAS TYPE _____
Btu/hr INPUT _____
RECOVERY RATE IN GPH _____ @ _____ °F RISE

NOTES

Features

- **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 OPTIONS** – 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 THERMOSTATIC CONTROLS** – 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.
- **GLASSLINED INNER TANK** – 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 INSULATION** – to save energy and reduce fuel costs by maximizing heat retention.
- **FULL SIZE HAND-HOLE CLEANOUT** – for easy tank inspection and/or removal of sediment deposits.
- **FACTORY INSTALLED ENERGY CUT-OFF SYSTEM AND PRESSURE/TEMPERATURE VALVE.**
- **CEC & ETL LISTED** – to meet NSF/ANSI 5 Standards.
- **LOW NOx BURNER** – meets the Ultra Low NOx Standard & exceeds California SCAQMD, BAAQMD & state of Texas requirements.
- **AMERICAN STANDARD** – gas water heaters are certified at 300 PSI test pressure and for 150 PSI working pressure. All tanks are hydrostatically & fire tested at the factory.
- **THREE YEAR LIMITED WARRANTY** – upgradable to five years, on glasslined inner tank and one year limited warranty on component parts.

SPECIFICATIONS AND APPLICATION DATA

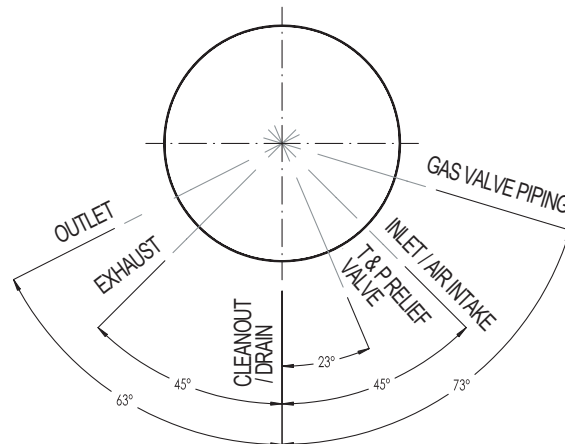
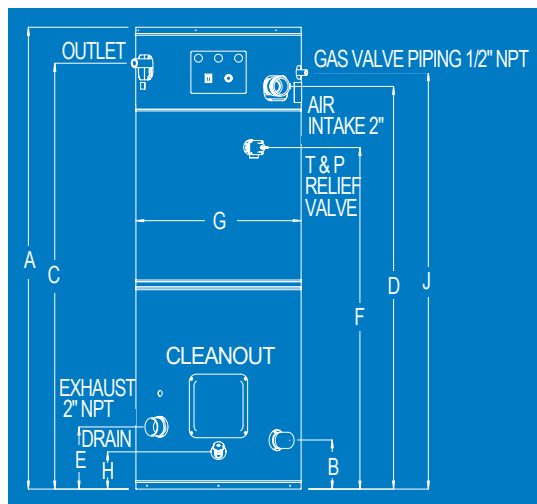
MODEL NUMBER*	U.S. GALLONS CAPACITY	BTU INPUT NAT GAS	1ST HOUR DELIVERY 100° F RISE	REC GPH 100° F RISE	BTU INPUT L.P. GAS	REC GPH 100° F RISE	THERM EFF %
HE-70-125	70	125,000	195	146	125,000	146	96.40%
HE-100-150	100	150,000	245	175	150,000	175	98.00%
HE-100-199	100	199,000	305	235	199,000	235	97.50%
HE-100-250	100	250,000	358	288	250,000	288	95.30%
HE-100-250-ASME	100	250,000	358	288	250,000	288	95.30%



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

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Suffix "LP"

MODEL NUMBER	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					
	TO TOP OF HTR	TO COLD IN	TO HOT OUT	TO AIR INTAKE	TO EXHAUST	TO T & P	HTR DIAM	TO DRAIN	TO GAS INLET	IN	OUT			
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 NUMBER	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

MAXIMUM EQUIVALENT VENT LENGTH (IN FEET)

MODEL NUMBER	2" PIPE PVC, ABS & CPVC	3" PIPE PVC, ABS & CPVC	4" PIPE PVC, ABS & CPVC	GAS VALVE PIPING AT INLET	INSTALLATION CLEARANCES	
HE-70-125	65	135	135	1/2"	SIDES	0"
HE-100-150	65	135	135	1/2"	FRONT	0"
HE-100-199	65	135	135	1/2"	REAR	0"
HE-100-250	65	135	135	1/2"	*TOP	0"
HE-100-250-ASME	65	135	135	1/2"	TO COMBUSTIBLES	0"
Manufacturer reserves the right to make product changes and/or improvements with or without notice.				*12" TOP RECOMMENDED FOR SERVICING.		

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