Bock WATER HEATERS, INC
EMPLOYEE-OWNED

Energy Saver

High Efficiency Condensing Gas Water Heaters

Up to 99.1% Thermal Efficient

- 60 to 100 gallons/125,000 to 399,999 BTU
- PVC Conventional, Through-the Wall, or Direct Vent
- Low NOx Premix Power Burner
- Non-CFC foam insulation
- Electronic ignition and controls
- Zero inch clearance to combustibles
- Glass-lined storage tank
- Hand hole cleanout
- Sediment reduction system
- Standard and ASME construction
- NSF kit available
- 3" Concentric vent kit available
- Complies with SCAQMD low NOx requirements
- Design certified by CSA International (formerly AGA/CGA)
- 3-Year Limited Tank/1-Year Limited Parts Warranties

Whisper Quiet

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Bock Energy Saver

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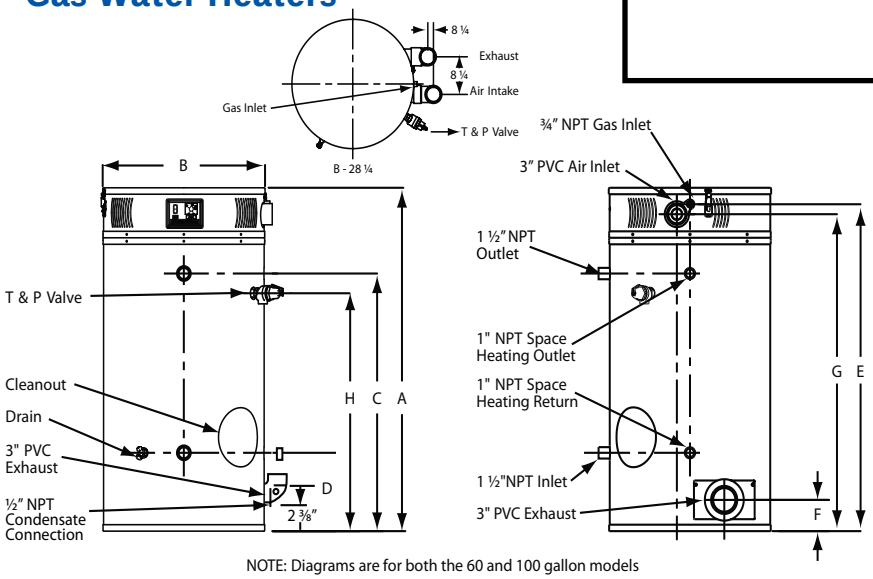
High Efficiency Condensing Gas Water Heaters



NOTE: Diagrams are for both the 60 and 100 gallon models

MODEL NUMBER	DIMENSIONS IN INCHES								
	A HT.	B DIA.	C HOT OUT	D COLD IN	E GAS CONN.	F FL. TO VENT OUTLET	G FL. TO AIR INTAKE	H FL. TO T&P VALVE	WATER CONN. DIA.
60 Gallon Models	57	28 1/4	42	13	53 1/2	5	52 1/2	40	1 1/2
100 Gallon Models	77 5/8	28 1/4	63	13	74 3/4	5	74.75	60	1.5

MODEL NUMBER	STORAGE (GAL)	RATED INPUT (BTUH)	THERMAL EFF %	1ST HR DEL GAL. @ 100° F RISE	RECOVERY GPH @ DEGREE RISE			MAX 3" PVC, ABS & CPVC	MAX 4" PVC, ABS & CPVC	SHIPPING WT (LBS)
					40° F	100° F	140° F			
60HEC-125	60	125,000	96.0%	187	364	145	104	120 ft	170 ft	570
60HEC-150	60	150,000	93.0%	211	423	169	121	100 ft	150 ft	570
60HEC-199	60	199,999	92.0%	265	558	223	159	80 ft	130 ft	900
100HEC-150	100	150,000	99.1%	250	450	180	129	120 ft	170 ft	900
100HEC-199	100	199,999	98.5%	309	597	239	171	100 ft	150 ft	900
100HEC-250	100	250,000	97.0%	364	735	294	210	80 ft	130 ft	900
100HEC-300	100	300,000	92.0%	405	836	335	239	60 ft	110 ft	900
100-HEC-399	100	399,999	93.0%	521	1127	451	322	50 ft	100 ft	900

T&P Valve: Factory Installed
Brass Drain Valve: Factory Installed
Dielectric Fittings: Factory Installed
Magnesium Anode Rods: Factory Installed

Pressures (all): Working Pressure, 150 psi; Tested Pressure, 300 psi

AMP Draw Range: = 1.0 to 1.8 amps and 7.0 amps for 100HEC-399; 115V A.C. required

Determining required vent length

1. Determine the total length of straight vent pipe (in feet) required for both the intake and the exhaust.
2. Add 5 feet of venting for every 90° elbow.
3. Add 2½ feet of venting for every 45° elbow.
4. Total vent length cannot exceed "Max Length" in the above chart.
5. Air intake cannot exceed exhaust by more than 30 feet in any venting situation.

Do not include the 3" exhaust elbow or vent terminals in determining maximum vent length.

Warning: Installation on hard surface only. Installation should be in accordance with all national and/or local codes. In the absence of local codes, refer to NFPA 54 or ANSI Z21.10.1.

Caution: The recommended maximum hot water termperature setting for normal residential use is 120°F. Bock recommends a tempering valve or anti-scald valve be installed and used according to the manufacturer's directions to prevent scalding.

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