

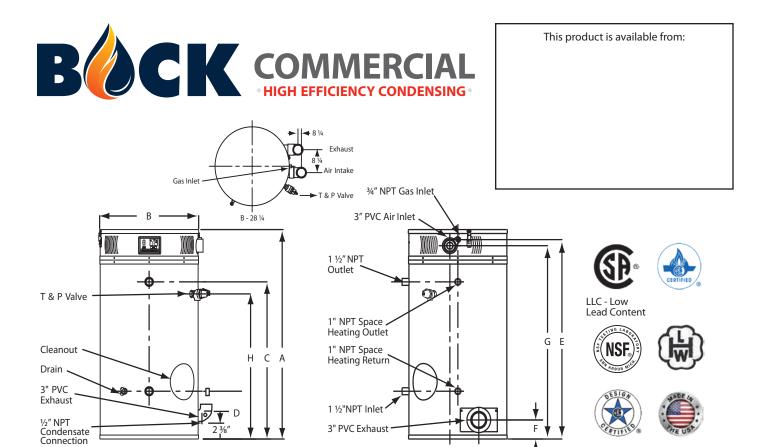
# **High Efficiency Condensing Commercial Gas Water Heaters**

*Up to 99% Thermal Efficiency* 

- Three-Year Limited Tank/Heat Exchanger Warranty
  - 125,000 to 199,999 BTU/hr
  - 60 gallon capacity
  - · Available in natural gas or LP gas
  - PVC conventional, through-the wall or direct vent
  - 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
  - NSF kit available
  - Concentric vent kit available
  - Ultra-Low NOx SCAOMD certified
  - Design certified by CSA International (formerly AGA/CGA)
  - Made in the USA







## **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 2% feet of venting for every  $45^{\circ}$  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.

### Maximum Venting Lengths (Combined) (Max. Vent = Exhaust + Intake)

(Maxi Veric - Extraose / Intake)										
	3" PVC,	4" PVC,								
	ABS &	ABS &								
Model	CPVC	CPVC								
60HEC-125	120 ft.	170 ft.								
60HEC-150	100 ft.	150 ft.								
60HEC-199	80 ft.	130 ft.								

NOTE: 3" + 4" - 90° Elbows = 5' pipe 3" + 4" - 45° Elbows = 2.5' pipe

		Rated		1st Hour Delivery			Dimensions in Inches (cm)							Water	Shipping		
Model		Input BTU/HR (kW)	Thermal Eff. %	@ 100°F Rise GAL (L)	40° F (22° C)	100° F (56° C)	140° F (78° C)	А	В	С	D	E	F	G	н	Conn. Dia. NPT	Weight LBS (kg)
60HEC-125	60 (227.12)	125,000 (36.63)	96.0%	187 (707.87)	364 (1,377.89)	145 (548.88)	104 (393.68)	57.00 (144.78)	28.25 (71.76)	42.00 (106.68)	13.00 (33.02)	53.50 (135.89)	5.00 (12.70)	52.50 (133.34)	40.00 (101.60)	1.50	570 (258.55)
60HEC-150	60 (227.12)	150,000 (43.96)	93.0%	211 (798.72)	423 (1,601.23)	169 (639.73)	121 (458.03)	57.00 (144.78)	28.25 (71.76)	42.00 (106.68)	13.00 (33.02)	53.50 (135.89)	5.00 (12.70)	52.50 (133.34)	40.00 (101.60)	1.50	570 (258.55)
60HEC-199	60 (227.12)	199,999 (58.61)	92.0%	265 (1,003,13)	558 (2,112,26)	223 (844.15)	159 (601.88)	57.00 (144.78)	28.25 (71.76)	42.00 (106.68)	13.00 (33.02)	53.50 (135.89)	5.00 (12.70)	52.50 (133.34)	40.00 (101.60)	1.50	570 (258.55)

# 115V A.C. Required.

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

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

AMP Draw Range: = 1.0 to 1.8 amps

These models meet or exceed the Thermal Efficiency and Standby Loss Requirements of ASHRAE 90.1b current standard.

**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.

**Caution:** The recommended maximum hot water temperature 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.