8HE Series









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More Cast Iron Means Better Performance

The 8HE Series, with its rugged cast iron construction, offers commercial quality in a residential boiler. With cast iron sections, the 8HE Series offers a multitude of performance advantages including higher heat retention, better combustion, quiet operation and superior steam performance. The cast iron sections on the 8HE Series are factory tested and assembled with steel push nipples. These sections offer larger water content and increased water surface area in the boiler. Corrosion and mineral build-up is minimized and maximum heat transfer is maintained. This larger water content also reduces unnecessary make-up water in steam applications and quicker start-up is facilitated by better steam generation.

Thicker Walls and Higher Mass

The thicker walls and higher mass of the 8HE Series boiler maintains a high water temperature for a greater length of time after the burner has stopped firing. This higher heat retention reduces short cycling for maximum efficiency.

Advanced Control Platform

The Hydrostat[®] Temperature Limit Control uses Thermal Targeting technology to analyze thermostat activity and continually evaluates how much heat the building requires. To further enhance fuel efficiency, on a call for heat, the unit will energize the circulator pump to drive the residual latent heat from the boiler to the heating zone in an attempt to satisfy the heat demand without firing up the burner.

Built and Backed for a Lifetime

Without question, cast iron construction offers superior durability and longer life. Each 8HE Series section is pressure tested and retested upon assembly. Your complete satisfaction on all 8HE Series boilers is backed by a lifetime warranty* and our commitment to excellence.

LIFETIME WARRANTY

*See warranty statement for complete details

Hydrostat[®] Enhanced Digital Display with;

- Dial-Type Settings, allow for quick and easy set-up.
- Diagnostic Lights, continually indicates which features are active and if the control is holding the burner off for any reason. No complicated menus to scroll through.

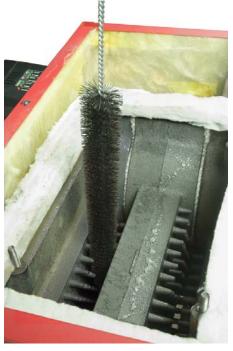




Service Made Simple

The cast iron burner mounting plate is hinged to the boiler for a full swing-out access to the combustion chamber while the burner is still attached allowing for quick and easy cleaning and servicing. From top of boiler, use a standard flue brush to clean between the tapered section pins.





Convertible Flue

The 8HE Series (3 & 4 section) boilers are assembled and packaged with flue exiting the rear of the boiler. For installations requiring a top flue, simply remove jacket top and reverse flue director to top.





STANDARD FEATURES

- Cast Iron Sections Factory
 Tested and Assembled with Steel
 Push Nipples
- Deluxe Powder Coated Steel Insulated Jacket
- Preformed Target Wall
- Full Swing-out Service Door
- Easy Top Cleanout Access
- Rear or Top Flue Convertibility (3 & 4 Sections)
- Built-In Air Elimination Port
- Molex quick electrical connection to burner

STEAM BOILERS

- Hi-Limit Pressure Control
- A.S.M.E. Safety Relief Valve (15 psi)
- Steam Pressure Gauge
- Gauge Glass and Fittings
- Low Water Cutoff HydroLevel Cycle Guard
- 1 1/4" Skim Tapping

WATER BOILERS

- Hydrostat Combination Low Water Cut-off and Universal Temperature Limit Control
- DHW Priority with Overide Protection
- Hydrostat Provides Cold-Start and Tankless Coil Operation
- ASME Safety Relief Valve (30 psi)
- Temperature-Pressure Gauge
- Taco Circulator
- Drain Valve

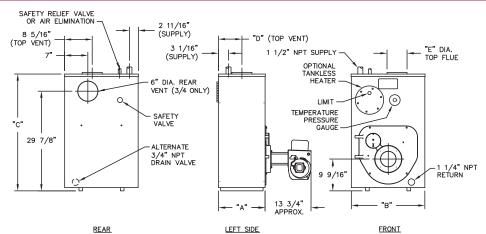
OPTIONAL EQUIPMENT

- Beckett AFG w/GeniSys Advanced Burner Control
- Carlin EZ-Pro w/CCT 60200 Primary Control
- Riello Series 40
- Tankless Coil Heater

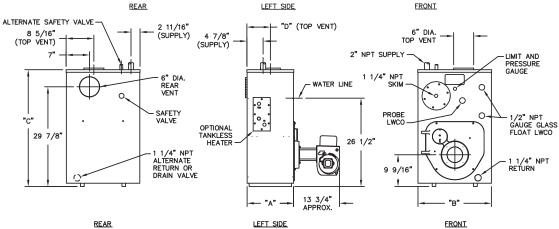
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DIMENSIONS AND RATINGS

Water



Steam



Boiler Dimensions									
Poilor	Jacket Depth "A"		Jacket Width "B"	Jacket Height "C"		o C/L of Vent	Vent Size "E" Dia.		Approximate
Boiler	A		D		"D"		E DIA.		Shipping Weight
Model Number	Water	Steam			Water	Steam	Water	Steam	(lbs.)
8HE-3	14-1/8"	15-3/4"			7-1/16"	8-7/8"	6"	6"	536
8HE-4	18-1/8"	19-3/4"	22-1/8"	35"	9-1/16"	10-7/8"	0	6"	664
8HE-5	22-1/8"	_			11-1/16"	_	7"	_	775

Boiler Ratings												
			Heating Capacity⁵					AFUE ⁵		Water Content		
	Input		MBH		Net Ratings ⁴			%		Gallons		Minimum Stack
Boiler					Steam	Steam	Water					Draft Required
Model Number	GPH1	MBH	Water	Steam	sq ft	MBH ³	MBH ²	Water	Steam	Water	Steam	in. W.C.
8HE-3	0.85	119	104	103	321	77	90	86.2	84.8	11.75	12.00	04
	1.05	147	126	124	388	93	110	85.0	83.6	11.75	12.00	05
8HE-4	1.25	175	151	151	471	113	131	85.4	85.3	14.75	14.87	04
	1.50	210	180	179	558	134	156	85.1	84.3	14.75	14.87	05
8HE-5†	1.75	245	212	_	_		184	85.5	_	17.75	_	05
011E-71	1.95	273	235	_	_	_	204	85.0	_	17.75	_	06

- Top venting only.
- Burner input based on No. 2 fuel oil with a heating value of 140,000 Btu per gallon.
- Net water ratings based on an allowance of 1.15.
- Net steam ratings based on an allowance of 1.333.
- Consult factory before selecting a boiler for installations having unusual piping and pickup requirements, such as intermittent system operation, extensive piping systems, etc. Heating Capacity and Annual Fuel Utilization Efficiency (AFUE) ratings are based on U.S. Government tests, with 13% CO₂ and -.02" W.C. draft over fire. Before purchasing this appliance, read important information about its estimated annual energy consumptions or energy efficiency rating that is available from your retailer. Chimney Size: 8" x 8" x 15 ft.









