

85% Efficient!

Burnham®

V8H™



Oil Fired, Chimney Vented, Cast Iron Water or Steam Boiler

Fully Updated for D.O.E. 2012 Compliance!

- 85% AFUE, ENERGY STAR® certified
- Cast iron sectional design
- Equipped with Intelligent Oil Boiler Control System™ (water boilers only)
- Seven sizes available, 0.75-2.65 GPH
- Direct vent option kit available in three sizes (1.05-1.65 GPH)
- Multiple oil burner options
- Quiet operation with burner cover (included with Beckett and Riello burners)
- Durable push-nipple connections between boiler sections – will not deteriorate when exposed to petroleum-based antifreeze
- Easy to clean and service – side and top cleanouts provide complete access to flueways
- Optional tankless water heater (front or rear)
- Full swing-away burner door
- Lifetime limited warranty

Intelligent Oil Boiler Control

- Available on V8H water boilers
- Combines aquastat, relay, and ignition functions into a single module
- Two customizable integrated switching relays for easy addition of additional heating zone or indirect water heater
- Energy saving “thermal purge”, which works by circulating residual warm water (140° or above) in the heating system before firing the boiler
- LED display for boiler status and trouble codes
- Extensively tested and proven in thousands of existing installations



Burnham®
by
U.S. Boiler Company



V8H: Technical Information



Standard Equipment

- Section assembly: Wet base construction, pre-formed lightweight target wall, combustion chamber blanket (sizes 7-9 only), quick release top outlet canopy, removable right side flue plates
- Intelligent Oil Boiler Control System (water only)
- Cast iron swing door
- Beckett AFG flange mounted retention oil boiler
- Insulated deluxe jacket with lift-off side panel
- Boiler drain valve
- Safety relief valve
- Pressure temperature gague
- High limit & relay
- Draft regulator
- Gauge glass set (steam only)
- Steam gauge (steam only)
- Probe-type LWCO (packaged steam only)

V8H Ratings & Specifications

Model No. (W-Water) (S-Steam)	AFUE %	Burner Cap. (GPH)	DOE Heating Capacity (MBH)	Net AHRI (MBH)	Net AHRI (Sq. Ft.)	Flue Collar (In.)	Approx. Ship Wt. (lbs.)
V8H3W V8H3S	85.0 85.1	1.05 0.75	125 91	109 68	— 283	6	542
V8H4W V8H4S	85.3 85.3	1.35 1.05	162 127	141 95	— 396	6	634
V8H5W V8H5S	85.3 85.4	1.65 1.35	198 201	172 151	— 513	7	726
V8H6W V8H6S	85.3 85.7	1.90 1.65	228 201	198 151	— 629	7	818
V8H7W V8H7S	85.3 84.7	2.10 2.10	252 252	219 189	— 788	8	910
V8H8W V8H8S	82.0* 84.1*	2.35 2.35	275** 266**	239 200	— 833	8	1002
V8H9W V8H9S	82.3* 82.3*	2.60 2.60	299** 298**	260 224	933	8	1094

*Thermal Efficiency

**Gross Output

Dimensions (inches)

Minimum Chimney Requirements

Model	'A'	'B'	'C'	Round In. (Diam.)	Rectangle (In. x In.)	Height (Feet)
V8H3	17-1/8	9-1/8	6	6	8 x 8	15
V8H4	22-1/8	11-5/8	6	6 (7)*	8 x 8	15
V8H5	27-1/8	14-1/8	7	7	8 x 8	15
V8H6	32-1/8	16-5/8	7	7 (8)*	8 x 8	15
V8H7	37-1/8	19-1/8	8	8	8 x 8	15
V8H8	42-1/8	21-5/8	8	8	8 x 12	15
V8H9	47-1/8	24-1/8	8	9	8 x 12	15

*For steam boilers

