

85% Efficient!

UPGRADEABLE TO 87% AFUE!

See back for details



Burnham®

V8H™

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

- 85% AFUE



ENERGY STAR®-certified 87% AFUE
available with upgrade kit
(see back for details)

- Cast iron sectional design
- Seven sizes available, 0.75-2.60 GPH
- Optional tankless water heater
- Multiple oil burner options for water boilers (Beckett, Carlin, Riello), includes burner cover for quiet operation
- 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
- Full swing-away burner door
- Lifetime limited warranty

Intelligent Oil Boiler Control

- Available on V8H water boilers
- Combines aquastat and relay 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 (steam-all sizes; water-only sizes 7-9), quick release top outlet canopy, removable right side flue plates
- Intelligent Oil Boiler Control System (water only)
- Cast iron swing door
- Flange mounted retention oil burner
- Insulated deluxe jacket with lift-off side panel
- Boiler drain valve
- Safety relief valve
- Pressure temperature gauge
- High limit & relay
- Draft regulator
- Gauge glass set (steam only)
- Steam gauge (steam only)
- Probe-type LWCO (packaged steam only)
- ENERGY STAR upgrade kit (see below)

V8H Ratings & Specifications

Model No. (W-Water) (S-Steam)	Burner Cap.		DOE Heating Capacity (MBH)	Net AHRI (MBH)	AFUE %	Steam (Sq. Ft.)	Flue Collar (In.)	Approx. Ship Wt. (lbs.)
	GPH	MBH						
V8H3W V8H3S	1.05 0.75	147 105	125 91	109 68	85.0 85.1	— 283	6	542
V8H4W V8H4S	1.35 1.05	189 147	162 127	141 95	85.3 85.3	— 396	6	634
V8H5W V8H5S	1.65 1.35	231 189	198 164	172 123	85.3 85.4	— 512	7	726
V8H6W V8H6S	1.90 1.65	266 231	228 201	198 151	85.3 85.7	— 629	7	881
V8H7W V8H7S	2.10 2.10	294 266	252 252	219 189	85.3 84.7	— 787	8	910
V8H8W V8H8S	2.35 2.35	329 329	275** 266**	234 200	82.0* 81.4*	— 833	8	1002
V8H9W V8H9S	2.60 2.60	364 364	299** 298**	260 224	82.3* 82.3*	933	8	1094

*Thermal Efficiency

**Gross Output

V8H Ratings w/ Optional Upgrade Kit*

Model No. (W-Water)	Burner Cap. (GPH)	DOE Heating Capacity (MBH)	Net AHRI (MBH)	AFUE %
V8H3WRD	0.75	91	79	87.0
V8H4WRD	1.00	122	106	87.0
V8H5WRD	1.20	147	128	87.0
V8H6WRD	1.35	164	143	87.0

Part numbers for Upgrade Kits:
107073-03 (V8H3W & V8H4W)
107073-05 (V8H5W & V8H6W)

* Only available for Beckett and Carlin burners

Dimensions (inches)

Model	Dimensions (inches)			Minimum Chimney Requirements		
	'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 water boilers

