

# 86% Efficient!

## UPGRADEABLE TO 87% AFUE!

See back for details



# U.S. Boiler Company

# V8H™

## Oil Fired, Chimney Vented, Cast Iron Water Boiler

- 86% AFUE



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

- Cast iron sectional design
- Five sizes available, 1.00-2.10 GPH
- Optional tankless water heater
- Multiple oil burner options for water boilers (Beckett, Carlin), 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

- Standard on all models\*
- 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



\*Optional Hydrolevel hydronic control available on some models

# V8H: Technical Information



## Standard Equipment

- Cast iron section assembly: Wet base construction, quick release top outlet canopy, removable right side flue plates
- Intelligent Oil Boiler Control System
- 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

## V8H Ratings & Specifications

Model No.	Burner Capacity		DOE Heating Capacity <sup>2</sup> (MBH)	Net AHRI <sup>3</sup> (MBH)	AFUE %	Approximate Shipping Weight (lbs.)
	GPH	MBH <sup>1</sup>				
V8H3WE	1.00	140	120	104	86.0	534
V8H4WE	1.20	170	148	129	86.1	643
V8H5WE	1.65	231	200	174	86.0	763
V8H6WE	1.90	266	230	200	86.0	883
V8H7WE	2.10	294	255	222	86.1	1003

MODEL NUMBER NOTES:  
Add "H" suffix to model numbers for Hydrolevel Hydrostat control (where available) Add "T" suffix to selected model numbers for Tankless DHW coil

PURCHASE SKU NOTES:  
Packaging availability (prefix): P= Packaged, assembled in crate, CKD= Crated knockdown

NOTES:  
(1) MBH refers to thousands of BTU per hour  
(2) Based on standard test procedure by the U.S. Department of Energy at combustion conditions of 13.0% CO<sub>2</sub>  
(3) Ratings are based on piping and pickup allowance of 1.15 for water

## ENERGY STAR® Upgrade Models - Kits & Ratings

Model No. (W-Water)	Burner Capacity		DOE Heating Capacity (MBH)	Net AHRI (MBH)	ENERGY STAR AFUE %	Upgrade Kit Required
	GPH	MBH				
V8H3WES	0.90	126	109	95	87.0	110333-03
V8H4WES	1.20	170	148	129	87.0	110333-03
V8H5WES	1.55	220	190	165	87.0	110333-05
V8H6WES	1.85	260	224	195	87.0	110333-05
V8H7WES	2.10	287	249	217	87.2	110333-07

## Dimensions (inches)

## Min. Chimney Requirements

Size	Dimensions (inches)			Min. Chimney Requirements		
	'A'	'B'	'C'	Diameter (In.)	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"	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 x 8"	15'
V8H7	37-1/8"	19-1/8"	8"	8"	8 x 8"	15'

Upgrade kits available for standard boilers without "S" in model numbers  
Only available for Beckett and Carlin burners

