## EABLE TO 87% AFUE See back for details





# Burnham

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

86% AFUE

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

- Cast iron sectional design
- Seven sizes available, 1.00-2.60 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



- Standard 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
- \*Optional Hydrolevel hydronic control available on some models

## V8H: Technical Information



AHR CERTIFIED

#### **Standard Equipment**

- Cast iron section assembly: Wet base construction, 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 (steam only)
- 8 and 9 section models always shipped as individually crated knock-downs

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 Packaging Availability (prefix): P= Packaged, Assembled in crate (sec 3-7),

KD= Knockdown (sec. 3-7), CK= Crated Individual Knockdown (sec. 8, 9)

V8H Ratings & Specifications							
	Burner Capacity		DOE Heating	Net			Approx. Ship
Model No.	GPH	MBH <sup>1</sup>	Capacity <sup>2</sup> (MBH)	AHRI <sup>3</sup> (MBH)	AFUE %	Steam (Sq. Ft.)	Wt. (Ibs.)
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
V8H8S	2.35	329	2664	200	81.4 <sup>5</sup>	833	1121
V8H8W	2.50		269 <sup>4</sup>	234	<b>82.0</b> ⁵	—	1121
V8H9S	2.60	364	2984	224	82.35	933	1245
V8H9W	2.00		299 <sup>4</sup>	260	82.35		1245

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% CO2

(3) Ratings are based on piping and pickup allowance of 1.15 for water
(4) Gross output

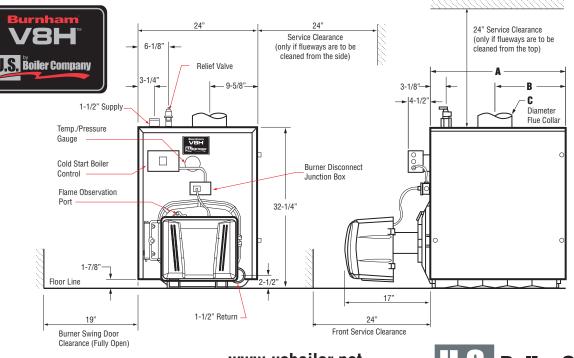
(4) Gross output(5) Thermal efficiency

Energy Star <sup>®</sup> Upgrade Models - Kits & Ratings							
	Burner	Capacity	DOE Heating	Net	engy the	Upgrade	
Model No. (W-Water)	GPH	MBH	Capacity (MBH)	AHRI (MBH)	AFUE %	Kit Required	
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	' <b>A</b> '	'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	
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	

Upgrade kits available for standard boilers without "S" in model numbers

Only available for Beckett and Carlin burners



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