

Ratings



Boiler Model	Burner Capacity (GPH) ⁽²⁾	DOE Heating Capacity (MBH) ⁽³⁾	I=B=R Net Ratings			Flue Collar Dia. (In) ⁽⁸⁾	Minimum Chimney Req.			AFUE %		Approx. Shipping Weight (Lbs)
			Water (MBH) ⁽⁴⁾	Steam (MBH) ⁽⁵⁾	Steam (Sq. Ft.)		Round Dia.	Rectangle In x In	Height Feet	Steam	Water	
V8H2 Water	0.60	70	61	—	—	5	6	8 x 8	15	—	82.1	450
V8H3 Steam	0.75	91	—	68	283	6	6	8 x 8	15	85.1	—	542
V8H3 Water	1.05	125	109	—	—	6	6	8 x 8	15	—	85.0	542
V8H4 Steam	1.05	127	—	95	396	6	6	8 x 8	15	85.3	—	634
V8H4 Water	1.35	162	141	—	—	6	7	8 x 8	15	—	85.3	634
V8H5 Steam	1.35	164	—	123	512	7	7	8 x 8	15	85.4	—	726
V8H5 Water	1.65	198	172	—	—	7	7	8 x 8	15	—	85.3	726
V8H6 Steam	1.65	201	—	151	629	7	7	8 x 8	15	85.7	—	818
V8H6 Water	1.90	228	198	—	—	7	8	8 x 8	15	—	85.3	818
V8H7 Steam	2.10	252	219	189	787	8	8	8 x 8	15	84.7	85.0	910
V8H7 Water	2.10	252	219	189	787	8	8	8 x 8	15	84.7	85.0	910
V8H8 Steam	2.35	275*	239	—	—	8	8	8 x 12	15	—	—	1002
V8H8 Water	2.35	266*	—	200	833	8	8	8 x 12	15	—	—	1002
V8H9 Steam	2.60	299*	260	—	—	8	9	8 x 12	15	—	—	1094
V8H9 Water	2.60	298*	—	224	933	8	9	8 x 12	15	—	—	1094

*I=B=R Gross Outputs

- V8H2 is available as a packaged water boiler only and is not available with tankless heater.
- The I=B=R Burner Capacity is based on oil having a heating value of 140,000 BTU/GAL.
- DOE Heating Capacity and Annual Fuel Utilization Efficiency (AFUE) are based on U.S. Government tests at 13.0% CO₂ with No. 1 maximum smoke and 0.02 inches water column over fire draft on standard equipment package.
- Net I=B=R Ratings are based upon a pick-up allowance of 1.15. Consult manufacturer with unusual piping and pickup requirements before selecting boiler.
- Net I=B=R Ratings are based upon a pick-up allowance of 1.333. Consult manufacturer with unusual piping and pickup requirements before selecting boiler.
- As an ENERGY STAR® partner, Burnham has determined that those models with an AFUE of 85% and higher meet the ENERGY STAR® guidelines for energy efficiency.
- Used for sizing flue connection materials. Maximum Working Pressure: 15 PSI steam; 30 PSI water, standard; 40 psi water optional; 50 psi water optional— USA only.

Boiler Model	'A'	'B'	'C'
V8H2	12-1/8"	6-5/8"	5"
V8H3	17-1/8"	9-1/8"	6"
V8H4	22-1/8"	11-5/8"	6"
V8H5	27-1/8"	14-1/8"	7"
V8H6	32-1/8"	16-5/8"	7"
V8H7	37-1/8"	19-1/8"	8"
V8H8	42-1/8"	21-5/8"	8"
V8H9	47-1/8"	24-1/8"	8"

FRONT VIEW labels: 1 1/2" SUPPLY, RELIEF VALVE, TEMP./PRESSURE GAUGE, HYDRONIC HEATING CONTROL, FLAME OBSERVATION PORT, BECKETT AFG BURNER W/COVER AND DISCONNECT HARNESS, 1 1/2" RETURN, FLOOR LINE, 19" BURNER SWING DOOR CLEARANCE (FULLY OPEN).

RIGHT SIDE VIEW labels: 'A', 'B', 'C' DIA FLUE COLLAR, 24" SERVICE CLEARANCE ONLY IF FLUEWAYS ARE TO BE CLEANED FROM THE TOP, 24" SERVICE CLEARANCE ONLY IF FLUEWAYS ARE TO BE CLEANED FROM THE SIDE, 15 3/8" FRONT SERVICE CLEARANCE.

NOTES:
1. WIRING HARNESES, RETURN PIPING AND CIRCULATOR NOT FURNISHED WITH KNOCKDOWN BOILERS.



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