

# Ratings



Boiler Model	Burner Firing Rate		DOE Heating Capacity MBH <sup>2</sup>	I=B=R Net Ratings		Flue Collar Diam. Inches <sup>4</sup>	Minimum Chimney Requirements			Energy Star AFUE %	Water Content (Heater) to NWL Gallons
	GPH	MBH <sup>1</sup>		Steam MBH <sup>3</sup>	Steam Sq. Ft.		Round In. Diam.	Rectangle In. x In.	Height Feet		
MST288	0.75	105	92	69	288	6	6	8 x 8	15	86.0	15.3
MST396	1.05	147	127	96	396	6	6	8 x 8	15	86.0	15.3
MST513	1.35	189	164	123	513	6	6	8 x 8	15	86.0	19.7
MST629	1.65	231	201	151	629	7	7	8 x 8	15	86.0	24.1

Notes: Maximum Working Pressure: 15 PSI Steam

1. The I=B=R Burner Capacity is based on oil having Higher Heating Value of 140,000 BTU/Gal.
2. DOE Heating Capacity and Annual Fuel Utilization Efficiency (AFUE) are based on US Government tests at 13.0% CO<sub>2</sub> with No. 1 maximum smoke and 0.00" draft in the breach on standard equipment package.
3. Net I=B=R Ratings are based upon pick-up allowance of 1.333. Consult manufacturer with unusual piping and pickup requirements before selecting boiler.
4. Used for sizing flue connection materials.

# Optional Tankless Heater Ratings

Boiler Model	*222A Tankless Heater	
	Rating GPM	Pressure Drop PSI
MST288	3.00	22.0
MST396	3.25	24.3
MST513	3.50	26.5
MST629	4.00	31.0

Notes:

1. Tankless Heater Rating, GPM is based on 100 F temperature rise with 40 F inlet water (intermittent draw) with boiler water temperature of 190°F.

# Dimensions

**TOP VIEW**

**FRONT VIEW**

**RIGHT VIEW**

**REAR VIEW**

Boiler Model	'A'	'B'	'C'	'D'	'E'
MST288	22-5/8	24	6	35-15/16	22-5/8
MST396	22-5/8	24	6	35-15/16	22-5/8
MST513	28-5/8	30	6	35-15/16	22-5/8
MST629	34-5/8	36	7	35-15/16	22-5/8

All dimensions in inches.

\* NOTE: THIS DIMENSION INCREASES AND IS CONTROLLED BY SMOKEPIPE ARRANGEMENT



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