

MegaSteam: Technical Information



Standard Equipment

- 3-pass cast iron section assembly, 50-psi MAWP (maximum allowable working pressure)
- Deluxe, powder coated, removable jacket
- 3" jacket insulation
- Cast iron reversible swing door
- Vacuum formed burner door insulation
- Boiler drain valve
- Barometric draft regulator
- Safety valve
- Beckett AFG flange-mounted oil burner w/easy connect power cord (Riello optional)
- Steam gauge
- L4006A (ST & SL models only)
- Gauge glass set
- Removable stainless steel flueway baffles
- Removable cast iron canopy covers
- Junction box w/ plug-in accessor connections
- Mounted spanner bar w/ adjustable legs
- Pressure limit
- LWCO - Hydrolevel CG450
- 222A Tankless heater (ST model only)

MegaSteam Ratings & Specifications

Model	AFUE%	Burner Cap. (GPH) ¹	DOE Heating Cap. (MBH) ²	Net AHRI (MBH)	Net AHRI (sq. ft.) ³	Flue Collar Diameter (In.) ⁴	Approx. Shipping Weight. (lbs.)
MST288	86	0.75	92	69	288	6	607
MST396	86	1.05	127	95	396	6	607
MST513	86	1.35	164	123	513	6	744
MST629	86	1.65	201	151	629	7	881

Notes: Maximum Working Pressure: 15 PSI Steam

1. 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% CO₂ with No. 1 maximum smoke and 0.00" draft in the breach on standard equipment package.
3. Net AHRI 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.

Model	Dimensions (Inches)			Minimum Chimney Requirements			OPTIONAL 222A Tankless Heater	
	'A'	'B'	'C'	Round In. (Diam.)	Rectangle (In. x In.)	Height (Feet)	Rating (GPM)	Pressure Drop (PSI)
MST288	16-5/8	24	5	6	8 x 8	15	3.00	22.0
MST396	16-5/8	24	5	6	8 x 8	15	3.25	24.3
MST513	22-5/8	24	6	6	8 x 8	15	3.50	26.5
MST629	28-5/8	30	6	7	8 x 8	15	4.00	31.0

Notes: 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.

