

Laars

MIGHTY-STACK™

The Mighty-Stack, available with or without storage tank, provides an innovative solution to the short life and high energy consumption typical of direct-fired water heaters. It offers advantages in three important areas: Life cycle costs, reduced installation costs, and application flexibility.

Greater Efficiency Throughout Its Life: Not only does Mighty-Stack have an 83% thermal efficiency, it maintains a high flow design, which resists scale formation and lime build-up throughout the life of the product. Therefore, with Mighty-Stack you are assured of more reliable performance, higher efficiency and longer life.

Cost Saving Installation: Many components which are add-ons — at additional cost with other water heaters — are standard, such as factory installed combination temperature and pressure relief valve, and an integral fan to allow for either horizontal or vertical venting. The Mighty-Stack is factory pre-assembled, then operationally tested to ensure trouble-free start up with no time-wasting field adjustments required. You can count on installation cost savings as a result of the contractor-preferred design.

Application Flexibility: With Mighty-Stack you are no longer limited to replacement in-kind for cost effective installation. Mighty-Stack simplifies direct change-out from tank-type heaters. The small footprint and venting flexibility allow suitability to a wide range of applications.

Water Heater:

- 199,000 BTU/hr (58.3kW) input
- 83% thermal efficiency
- Copper tube heat exchanger
- Scale free operation
- Gasketless bronze headers
- Integral induced-draft fan
- 4" (102mm) vent (horizontal or vertical)
- Hot surface pilot ignition
- Slide out burner tray
- Pressure relief valve

Storage Tank:

- 80 gallon (302.8 liter) glass-lined storage tank
- Aluminum sacrificial anode
- 2" (51mm) closed cell foam insulation
- Maximum working pressure 150psi
- Tank aquastat

- Pre-installed temperature and pressure relief valve
- Easily removable storage tank
- Coated sheet metal enclosure
- Hand-hole for cleanout

Pre-Assembled System:

- Pre-piped and pre-wired
- Single point power connection
- Fully factory tested
- Bronze-bodied circulator
- Circulator time delay relay
- Non-combustible base
- 5 year tank and 10 year heat exchanger warranty*
- All copper/bronze waterways

*See limited warranty for details



TL80-199



TL00-199

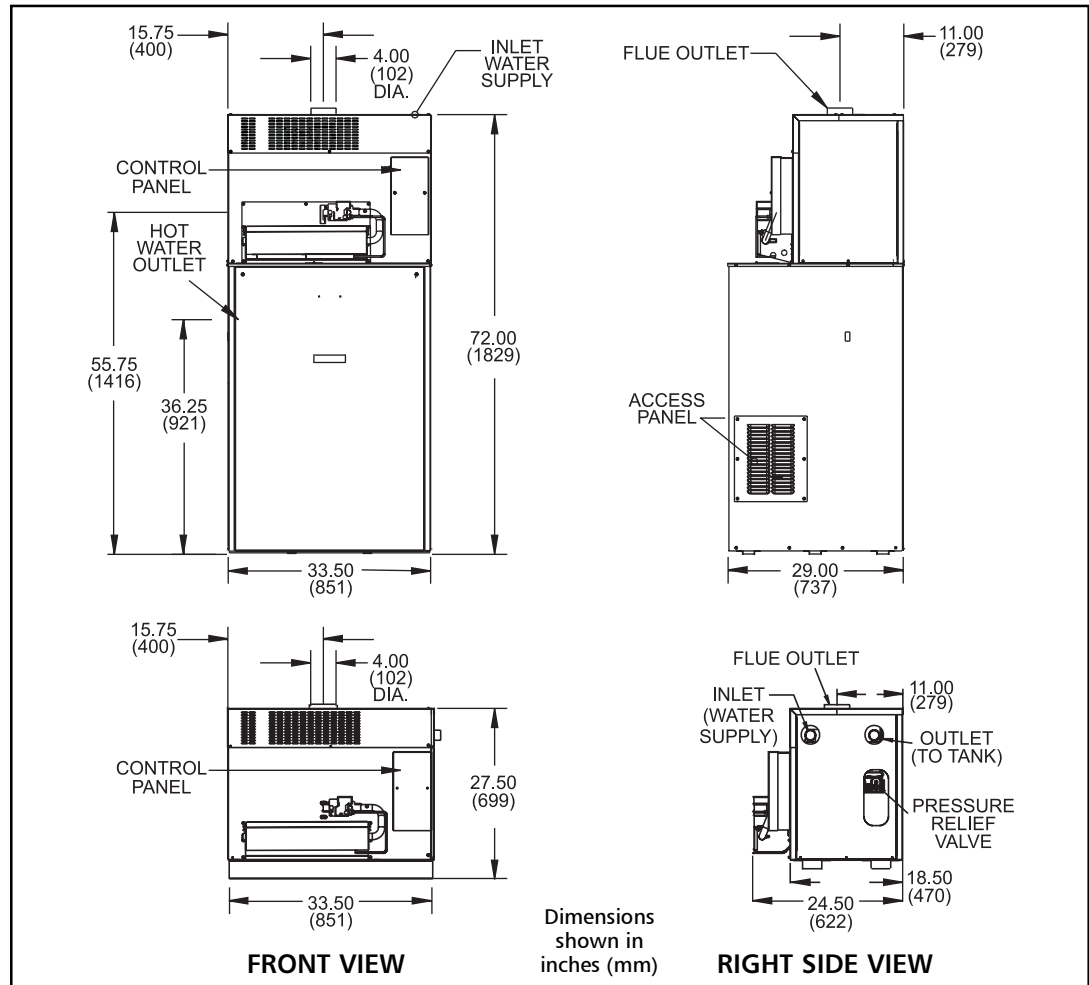
LAARS

Heating Systems Company

A subsidiary of BRADFORD WHITE

Applications

- Standard 140°F (60°C) restaurant service
- 180°F (82°C) sanitary booster systems
- Food processing
- Manufacturing processes
- Hotels/motels
- Multi-unit housing
- Nursing homes/retirement facilities
- Commercial/coin laundries



Specifications and Dimensions

Model	Input		Output		Gas Conn. Size		Water Conn. Size		Dimensions in. mm w x d x h	Shipping Weight lbs. kg
	BTU/H x1000	kW	BTU/H x1000	kW	Nat. in. mm	LP in. mm	in.	mm		
TL80-199	199	58.3	165	48.4	3/4 19	1/2 13	1-1/2	38	33.5 x 29 x 72 851 x 737 x 1829	550 250
TL00-199	199	58.3	165	48.4	3/4 19	1/2 13	1-1/2	38	33.5 x 24.5 x 27.5 851 x 622 x 699	185 84

Water Heater Recovery Data

Model TL80-199											
Required Water Temperature Rise °F °C											
40° 22°	50° 28°	60° 33°	70° 39°	80° 44°	90° 50°	100° 56°	110° 61°	120° 67°	130° 72°	140° 78°	
Gallons Per Hour L/Hr Delivered											
490 1855	392 1484	326 1234	280 1060	245 927	218 825	196 742	178 674	163 617	151 572	140 530	

