

MASCOT® ST



Residential Condensing Tankless Water Heater

MSTWW | Wall Mounted Tankless

Standard Tankless Water Heater
Indoor: Size 199

Date:

Project #:

Engineer:

Prepared By:

Bid Date:

Submittal Data



Project Name:

Location:

Contractor:

Standard Equipment

- High condensing efficiency
- 0.96 Energy Factor
- Modulation down to 10% of full fire (10:1 turndown)
- Sealed combustion chamber
- Pre-mix metal fiber burner
- Low NOx system— 20ppm NOx
- Horizontal or vertical direct vent
- Vent and air pipe lengths of up to 100 equivalent feet (each)
- Stainless steel heat exchanger
- Natural or Propane
- Vent with PVC, CPVC or Polypropylene
- ASME 150 psi (207kPa) working pressure heat exchanger
- Low lead compliant
- Gas leak detection
- Built-in condensate trap and drain, priming not required
- Pressure gauge
- Burner site glass
- Electronic PID modulating control
- Direct spark ignition
- Large user-interface and display
- Wall mount bracket
- Field convertible between natural gas and propane
- Inlet water filter
- Condensate trap hose
- 12-Year limited warranty

Tankless Water Heater Data

Number of Units:

Fuel

☐ Natural

☐ Propane

Options

☐ Outdoor Kit

Sizing Data

MSTWW199 

Max Input		Min Input		Efficiency	Gas Conn. Size	DHW Conn. Size	Weight	
Btu/hr	kW	Btu/hr	kW	EF	inches	inches	lbs	kg
199000	58.3	19900	5.8	0.96	3/4 NPT	3/4 NPT	88	40

Domestic Hot Water Capacity

Model	35°F Rise		45°F Rise		77°F Rise	
	GPM	l/m	GPM	l/m	GPM	l/m
MSTWW199	10	38	8	30	5.0	19

Clearances

For installation from Non-Combustibles and Combustibles		Suggested Service Clearance
TOP of appliance	9 in (23 cm)	18 in (46 cm)
BACK of appliance	5/8 in (1.5 cm)	5/8 in (1.5 cm)
FRONT of appliance	6 in (15 cm)	40 in (101 cm)
SIDE of appliance	3 in (7 cm)	8 in (20 cm)
BOTTOM of appliance	12 in (30 cm)	24 in (61 cm)

Electrical Data

Model	Water Heater		
	Volts	Phase	Amps
MSTWW199	120	Single	4

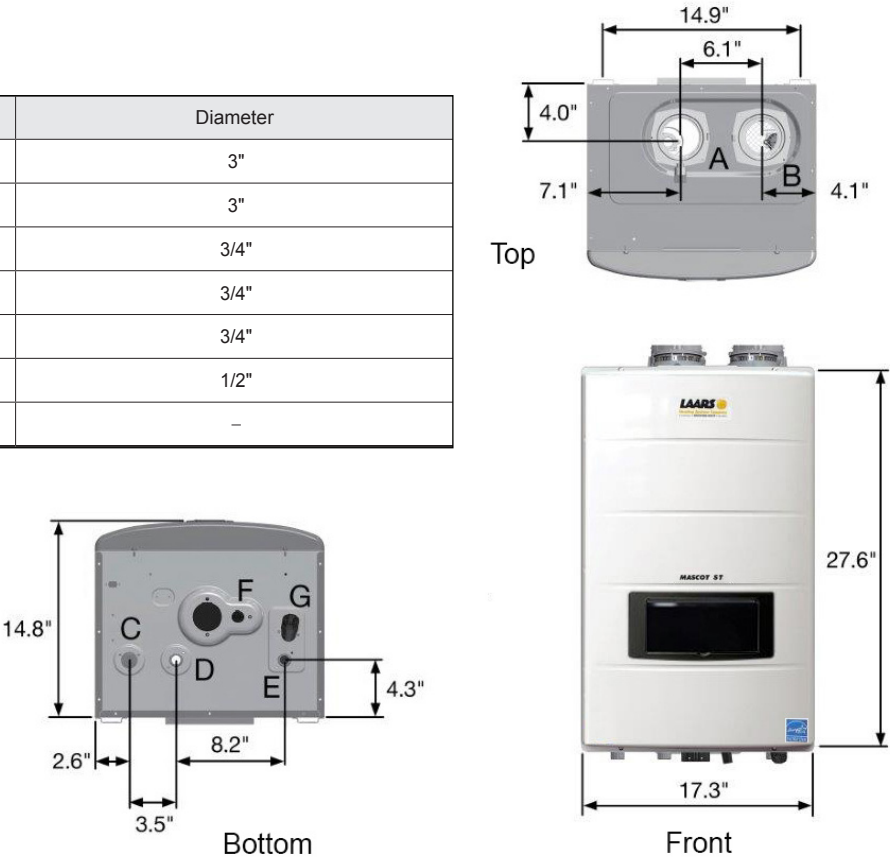
Vent System

Model	3" Combustion Air / Vent Pipe		2" Combustion Air / Vent Pipe*	
	Max	Elbow Max	Max	Elbow Max
MSTWW199	100' (30M)	6	50' (15M)	4

* Must use 3 x 2 adapter within 1 ft. (30cm) of water heater. Reference the Installation and Operation Manual for more details.

Dimensional Data
Indoor

	Description	Diameter
A	Vent Pipe Collar	3"
B	Air Intake Collar	3"
C	Gas Inlet	3/4"
D	DHW Outlet	3/4"
E	DHW Inlet	3/4"
F	Condensate Drain	1/2"
G	Cold Water Inlet Filter	–



Dimensional Data
with Outdoor Kit

