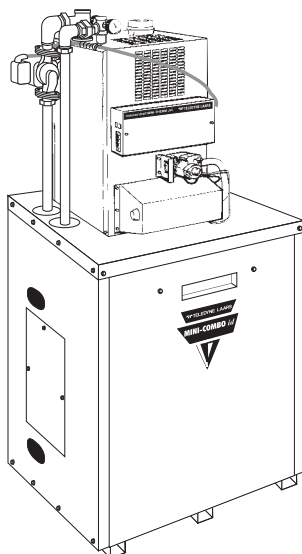


MINI-COMBO® id



Space/ Water Heater

MCid Residential Gas-Fired
Space/Water Heater

Indoor Sizes 50,000 - 125,000 BTU/h

Submittal Data **LAARS**
Heating Systems Company

Standard Equipment

Water Heater

- 30 Gallon glass-lined tank
- Maximum working pressure - 150 psi
- 2" (51mm) thick foam insulation. Less than ½°F per hour heat loss (R17)
- Hydrostatic test pressure at factory - 300 psi (2067.0 kPa)
- Pre-piped, factory assembled
- 1½" Glass-lined heating coil
- Circulating pump
- Check valves, for system isolation
- Adjustable tank-stat, preset at 130°F (54°C)
- Pre-installed temperature and pressure relief valve rated at 210°F (99°C) and 150 psi (1033.5 kPa)
- Pre-piped ¾" drain valve
- Domestic water priority
- High capacity rates (with 65°F - 36°C temperature rise)

Hydronic Heater

- Induced draft
- Natural or propane gas
- Maximum working pressure - water 30 psi (206.7 kPa), ASME rated
- Hydrostatic test pressure at factory - 60 psi (413.4 kPa)
- Maximum gas supply pressure:
Natural-9" W.C. (2.2 kPa)
Propane-14" W.C. (3.4 kPa)
- Pressure relief valve - capacity in excess of boiler input rating
- Water headers - cast iron per Section IV, ASME Code
- Water tubes - copper with integral finned tubes
- Main burners - aluminized steel
- 115/24 volt transformer
- Pump relay
- Vent pressure safety switch
- Flame rollout safety switch

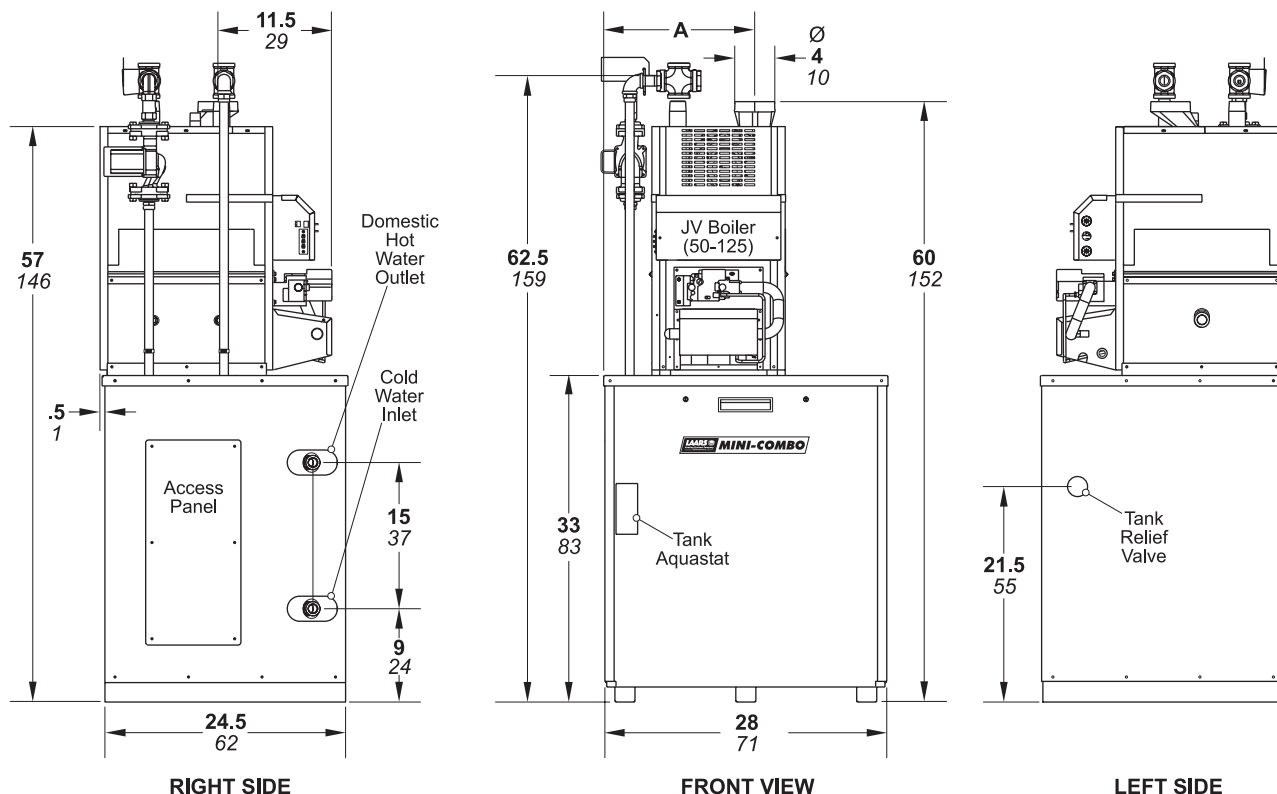
Specifications

MCid Size	Input		Heating Capacity				Net IBR				AFUE % Nat	AFUE % Pro	1st Hour Rate GPH
	MBTU/h	kW	Nat MBTU/h	kW	Pro MBTU/h	kW	Nat MBTU/h	kW	Pro MBTU/h	kW			
50	50	14.6	41.5	12.1	42.0	12.3	36.1	10.5	36.5	10.7	83.4	84.0	87
75	75	21.9	62.3	18.2	63.0	18.4	54.2	15.8	54.7	16.0	83.2	84.0	129
100	100	29.1	82.0	24.0	83.5	24.4	72.6	21.3	72.6	21.3	82.4	84.0	148
125	125	36.6	102.5	30.0	103.0	30.1	89.6	26.7	89.6	26.7	82.4	82.8	168

Dimensional Data

MCid	A		Boiler	Gas	Domestic	Approx.	
Size	in.	cm	In/Out NPT	NPT	Inlet/Outlet NPT	lbs	kg
50	16	41	1-1/4	1/2	3/4	258	117
75	15	38	1-1/4	1/2	3/4	274	124
100	17	43	1-1/4	1/2	3/4	280	127
125	17¼	44	1-1/4	1/2*	3/4	286	130

*1/2" for Propane



Minimum Clearances

	in.	cm
Left	2	5
Right	3	8
Front	4	10

	in.	cm
Rear	2	5
Top	23	58

Service clearances: Allow 4" (10cm) on each side for piping access.

