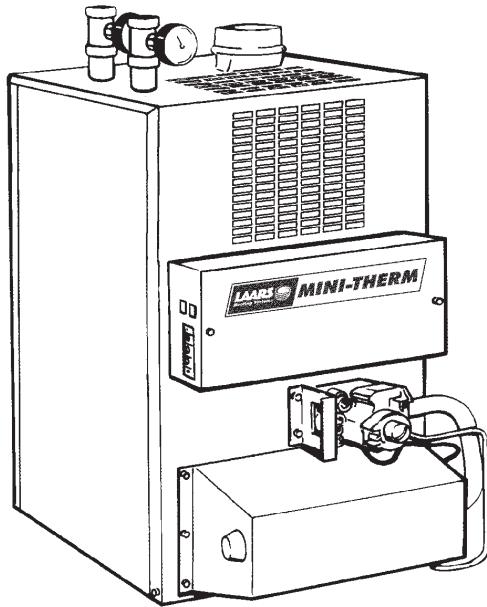


MINI-THERM® JVH

Hydronic Boilers



JVH Induced Draft Residential
Gas-Fired Hydronic Boiler

Sizes 50,000 - 225,000 BTU/h

Submittal Data **LAARS**
Heating Systems Company

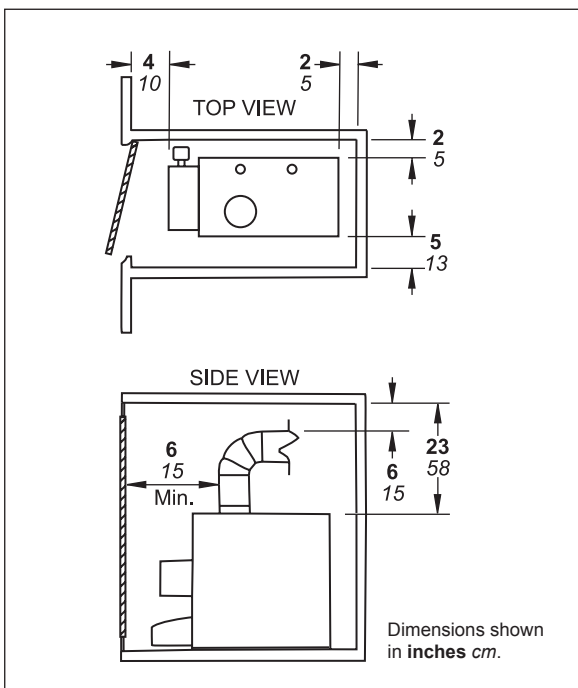
Standard Equipment

- PI Controller
- Outdoor reset with ratios of 0.4 to 3.6
- Warm Weather Shutdown (WWSD)
- Domestic Hot Water Operation (DHW)
- Indicator lights for power, heat call, DHW call and WWSD
- Automatic boiler differential
- Pump pre-purge, post-purge and exercise
- Codes for sensor errors
- Design certified and tested by American and Canadian Gas Associations
- Natural or propane gas
- Maximum working pressure - water 30 p.s.i., ASME rated
- Hydrostatic test pressure at factory - 60 p.s.i.
- 30 psi ASME pressure relief valve
- Material specifications as per Section IV, ASME Code
- Designed and certified for placement on combustible floor (except carpeting)
- Integral induced draft fan
- Horizontal (Category III) or vertical (Category I) venting
- Altitude 0 - 10,000 feet
- Air supply - natural aspiration
- Hot surface pilot ignition
- Slide-out burner tray
- Temperature/pressure gauge on outlet
- Temperature gauge on inlet
- Water headers - cast iron per ASME requirements
- Water tubes - copper with integral formed external fins
- Main burners - aluminized steel
- Pump relay standard
- Vent pressure safety switch
- Flame rollout safety switch
- Electrical - 115V/60Hz/1PH less than 12 Amps, 24V transformer mounted and wired
- 20 Year Warranty - see Document 8023 for details

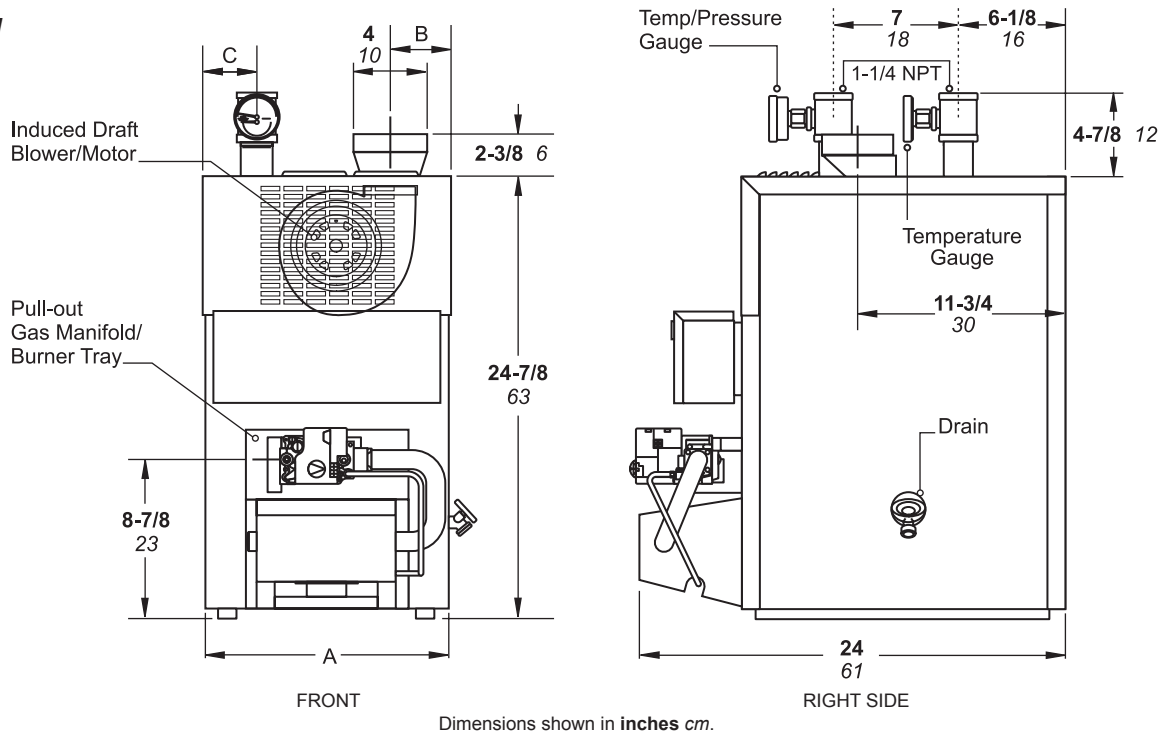
**Minimum Boiler Clearances
From Combustible Surfaces**

Boiler Sizes	Left Side	Right Side	Rear	Front	Flue*	Top
	inches cm					
50 to 225	2 5	5 13	2 5	4 10	6 15	23 58

*One inch (2.5cm) clearance using type B double wall vent pipe.



Dimensional Data



JVH Size	Input		Heating Cap.				Net IBR				AFUE %
			Nat. Gas		Pro. Gas		Nat. Gas		Pro. Gas		
	MBTU/h	kW	MBH	kW	MBH	kW	MBH	kW	MBH	kW	
50	50	14.6	41	12	42	12.3	36.1	10.5	36.5	10.7	83.4
75	75	21.9	62	18.2	63	18.4	54.2	15.8	54.7	16.0	83.2
100	100	29.1	82	24.0	83	24.3	72.6	21.3	72.6	21.3	82.4
125	125	36.6	102	29.9	103	30.1	89.6	26.7	89.6	26.7	82.4
160	160	46.8	131	38.4	132	38.7	114.1	33.4	115.5	33.8	82.3
225	225	65.9	184	53.9	187	54.8	160.4	46.9	162.8	47.7	82.2

JVH Size	A		Dimensions inches <i>cm</i> B		C		Water Conn. in	Gas Conn. in	Approx Weight lbs <i>kg</i>	
50	13-3/8	34	3-1/8	8	2-7/8	7	1-1/4	1/2	160	73
75	13-3/8	34	4-1/4	11	2	5	1-1/4	1/2	165	75
100	16-7/8	43	5-3/4	15	2-7/8	7	1-1/4	1/2	180	82
125	16-7/8	43	5-1/2	14	2	5	1-1/4	1/2	185	84
160	20-3/8	52	7-1/4	18	2	5	1-1/4	1/2	210	95
225	25-5/8	65	10	25	2	5	1-1/4	3/4*	225	102

*1/2 for propane



Laars Heating Systems Company reserves the right to change specifications, components, features, or to discontinue products without notice.