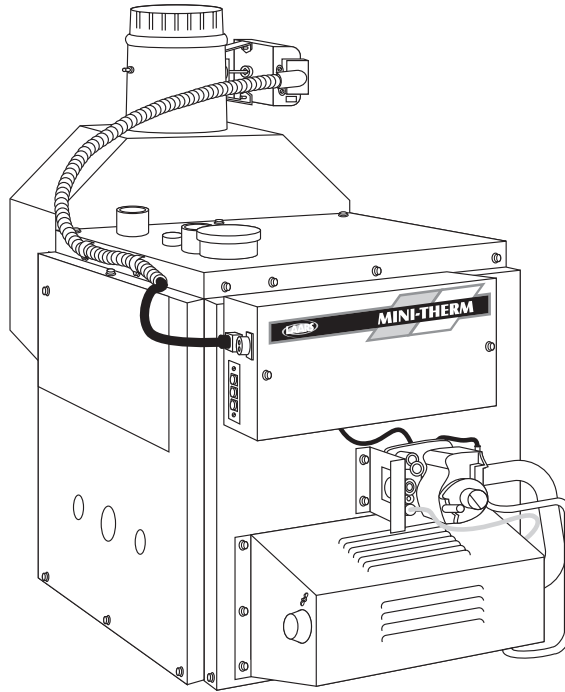


MINI-THERM JV

Hydronic Boilers



JV Residential Gas-Fired Boiler

Indoor Sizes 50-225 MBTU/h

Submittal Data

Standard Equipment

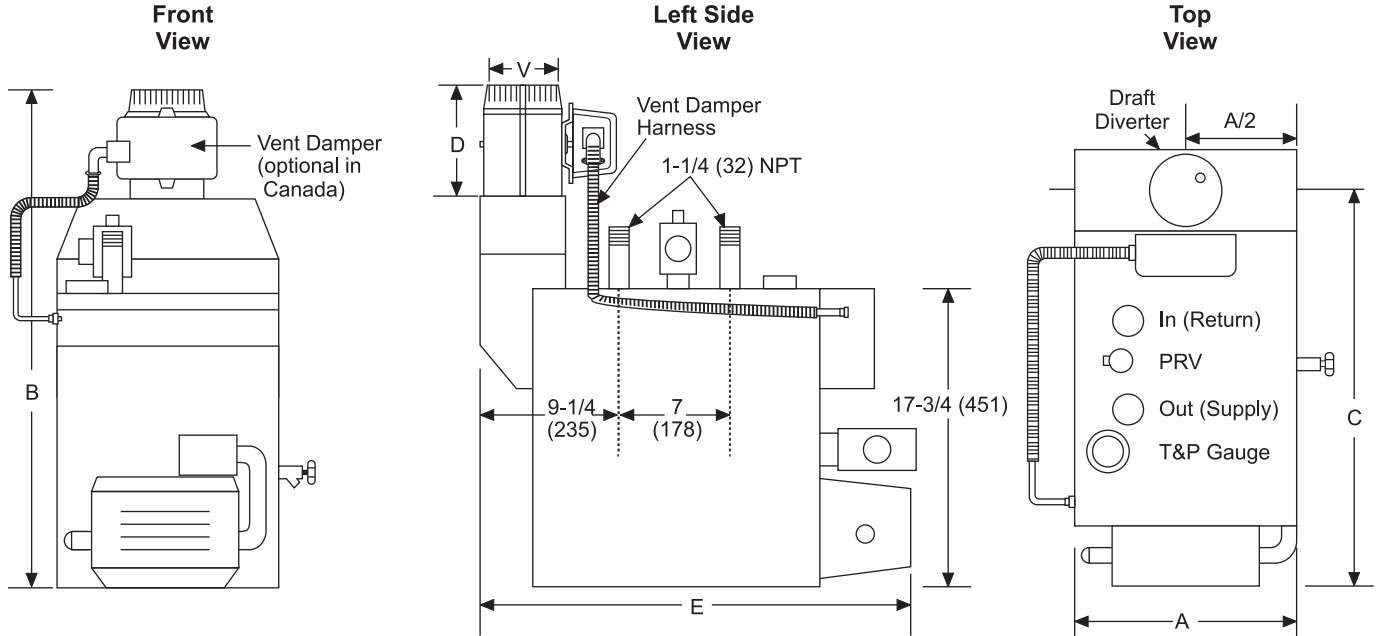
- Venting - built-in draft diverter
- Design certified and tested by American and Canadian Gas Associations
- Natural or propane gas
- Maximum working pressure - water 30 P.S.I., ASME rated
- Hydrostatic test pressure at factory - 60 P.S.I.
- Maximum gas supply pressure - Natural - 9" W.C., Propane - 14" W.C.
- Pressure relief valve - capacity in excess of boiler input rating
- Material specifications as per Section IV, ASME Code
- Water headers - cast iron per ASME requirements
- Water tubes - pure copper with integral formed external fins
- Main burners - aluminized steel
- Air supply - natural aspiration
- Floor under boiler - when used on combustible floor, a special base must be supplied (see installation instructions, Document 1025 & rating plate)
- Electrical - 115V-60Hz-1PH less than 12 amperes 24V transformer mounted and wired
- Pump relay - standard
- Vent damper and wire harness (optional in Canada)
- Blocked vent safety switch (B.V.S.S.)
- Rollout safety switch
- 20 Year Limited Warranty

Minimum Clearances from Adjacent Construction

Minimum Clearances, inches mm

Size	Left Side, Right Side, Rear		Front		Flue		Top	
50	6	152	4	102	6	152	23	584
75	6	152	4	102	6	152	23	584
100	6	152	4	102	6	152	23	584
125	6	152	4	102	6	152	23	584
160	6	152	4	102	6	152	36	914
225	6	152	4	102	6	152	36	914

Dimensional Data



Dimensions shown in inches (mm).

Size	A		B		C		D		E		V		Approx Weight	
	inches	mm	inches	mm	inches	mm	inches	mm	inches	mm	inches	mm	lbs.	kg
50	13-3/8	340	27-3/4	705	23-5/8	600	21-3/4	552	26-1/2	673	4	102	120	54
75	13-3/8	340	27-3/4	705	24-1/8	613	21-3/4	552	27-1/2	699	5	127	126	57
100	16-7/8	429	28-3/4	730	24-1/8	613	22-3/4	578	27-1/2	699	5	127	134	61
125	16-7/8	429	28-3/4	730	23-5/8	600	22-3/4	578	27-1/2	699	6	152	138	63
160	20-3/8	518	28-3/4	730	23-5/8	600	22-3/4	578	27-1/2	699	6	152	164	74
225	25-5/8	651	31-1/2	800	23-1/4	591	24-3/4	629	27-1/2	699	7	178	181	82

JV Size	Input BTU/hr X 1000 kW	Heating Cap. BTU/h x 1000 kW				Net IBR BTU/h x 1000 kW				AFUE %				Water Conn. in.	Gas Conn. in.	
		Nat. Gas		Pro. Gas		Nat. Gas		Pro. Gas		Spark Ignition		Standing Pilot				
		BTU/h	kW	BTU/h	kW	BTU/h	kW	BTU/h	kW	Nat. Gas	Pro. Gas	Nat. Gas	Pro. Gas			
50	50	14.6	42	12.3	43	12.6	36.5	10.7	37.4	11.0	84.4	85.4	80.2	82.0	1-1/4	1/2
75	75	21.9	63	18.4	64	18.7	54.8	16.0	55.6	16.3	84.0	85.2	80.5	82.5	1-1/4	1/2
100	100	29.1	83	24.4	85	24.9	72.2	21.1	73.9	21.6	84.0	85.0	80.7	82.7	1-1/4	1/2
125	125	36.6	104	30.1	106	31.0	90.4	26.5	92.2	27.0	83.0	84.5	80.7	82.7	1-1/4	1/2
160	160	46.8	133	38.9	135	39.5	115.7	33.9	117.4	34.4	83.0	84.8	81.0	83.0	1-1/4	1/2
225	225	65.9	186	54.8	190	55.6	161.7	47.3	165.2	48.4	83.2	85.0	81.5	83.5	1-1/4	3/4*

*1/2 for propane



Waterpik Technologies, Inc.
 6000 Condor Drive, Moorpark, CA 93021 • 805.529.2000 • FAX 805.529.5934
 20 Industrial Way, Rochester, NH 03867 • 603.335.6300 • FAX 603.335.3355
 480 S. Service Road West, Oakville, Ontario, Canada L6K 2H4 • 905.844.8233 • FAX 905.844.2635
www.laars.com