

## 17 Dimensions and ratings









Boller model number		Da	ata		Dimensions (Inches)								
	Supply tappings Qty-size (see Note)		Return tappings Oty-size (see Note)		A	В	D	F	н	w	L		
	Water	Steam	Water	Steam									
380	2-4"	2-4"	2-3"	2-3"	13 1/4		8	12 ¾s	13 1/2	20 %	21 %		
480	2-4"	2-4"	2-3"	2-3"	20 1/8		8	13 %	20 1/2	27 %	28 %		
580	2-4"	2-4"	2-3"	2-3"	27 1/8		8	13 %	27 1/2	34 %	35 %		
680	2-4"	2-4"	2-3"	2-3"	34 1/6		8	13 %	34 1/2	41 %	42 %		
780	2-4"	2-4"	2-3"	2-3*	41 1/8		10	27 %	41 1/2	48 ¾	49 %		
880	2-4"	2-4"	2-3"	2-3"	48 1/8		10	27 %	48 1/2	55 3/8	56 %		
980	2-4"	2-4"	2-3"	2-3"	55 1/8		10	41 %	55 1/2	62 %	63 %		
1080	2-4"	3-4"	2-3"	2-3"	62 1/8	27 %6	10	41 %	62 1/2	69 ¾	70 %		
1180	2-4"	3-4"	2-3"	2-3"	69 1/6	34 %6	10	55 %	69 1/2	76 %	77 %		
1280	2-4"	3-4"	2-3"	2-3"	76 1/8	34 %6	12	55 %	76 1/2	83 ¾	84 %		

Boiler model number	I=B=R burner capacity		Gross I=B=R output	Net I=B=R ratings		Boiler H.P.	Net firebox volume	Stack gas volume	Positive pressure in firebox	Flue outlet dlameter	Boiler water content (gallons)		Packaged boller weight (less water)	Approx. operating weight (with water)	
	Light oil GPH	Gas MBH	МВН	Steam Sq. Pt	Steam MBH	Water MBH		Cu. ft	CFM	Inches W.C.	Inches	Water boller	Steam to weterline	Lbs	Lbs
Notes: 1	2	3, 4	5, 6		5	5			7	8					
380	2.40	346	278	867	208	242	8.3	2.61	139	0.28	8	37.5	27.5	1058	1170
480	3.40	491	396	1238	297	344	11.8	3.97	198	0.28	8	49.0	36.0	1203	1411
580	4.45	639	515	1608	386	448	15.4	5.33	259	0.28	8	60.5	44.5	1448	1752
680	5.50	787	634	1983	476	551	18.9	6.69	320	0.27	8	72.0	53.0	1843	2093
780	6.50	935	753	2354	565	655	22.5	8.05	378	0.27	10	83.5	61.5	2088	2434
880	7.50	1082	872	2725	654	758	26.0	9.41	436	0.27	10	95.0	70.0	2317	2774
980	8.50	1230	991	3096	743	862	29.6	10.77	494	0.27	10	106.5	78.5	2678	3115
1080	9.60	1378	1110	3471	833	965	33.2	12.13	558	0.26	10	118.0	87.0	2923	3456
1180	10.60	1526	1229	3842	922	1069	36.7	13.49	616	0.26	10	129.5	95.5	3068	3697
1280	11.60	1674	1348	4242	1018	1172	40.3	14.85	675	0.26	12	141.0	104.0	3313	4038

## **Notes**

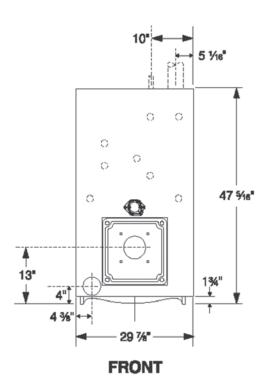
- 1. Burner input based on maximum of 2,000 feet altitude. For higher altitudes consult local Weil-McLain representative.
- 2. No. 2 fuel oil Commercial Standard Spec. CS75-56. Heat value of oil 140,000 Btu/Gal.
- 3. Consult Weil-McLain Burner Specifications and Data Sheet for gas pressures required.
- 4. MBH refers to thousands of Btu per hour.
- 5. Gross I=B=R ratings have been determined under the I=B=R provision forced draft boiler-burner units.
- 6. Net I=B=R ratings are based on net installed radiation of sufficient quantity for the requirements of the building and nothing need be added for normal piping and pickup. Water ratings are based on a piping and pickup allowance of 1.15. Steam ratings are based on the following allowances: 380 thru 1180 1.333; 1280 1.321. An additional allowance should be made for gravity hot water systems or for unusual piping and pickup loads. Consult locat Weil-McLain representative.
- 7. Stack gas volume at outlet temperature.
- 8. With 0.10" W.C. positive pressure at flue collar.

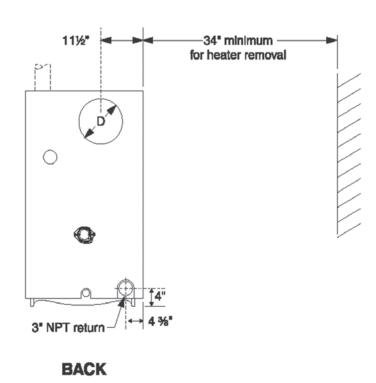
NOTICE: Boiler sections are tested for 80 PSIG working pressure. Water boilers are supplied with 30 PSIG relief valve standard.

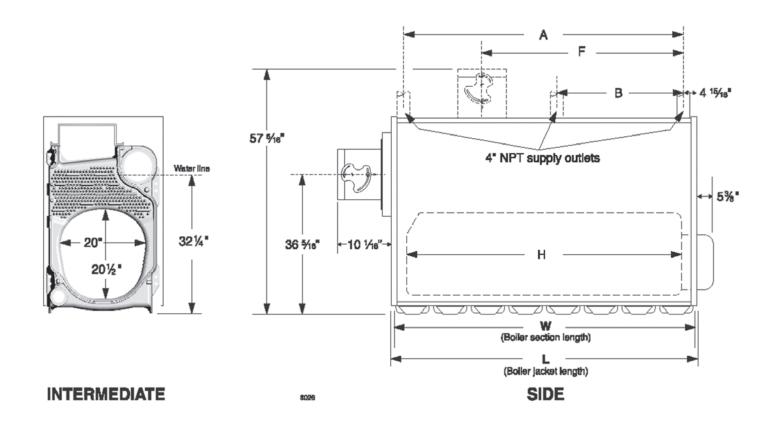
Part No. 550-141-935/1009



## 17 Dimensions and ratings (continued)







Part No. 550-141-935/1009 35