



COVERS REMOVED





Outdoor 125 PSI Water Heating Boilers Models & Ratings / Atmospheric Fired

STACK / DRAFT REQUIREMENTS

- UL listed for use with Type B Vent when power burner is for natural or L.P. gas fired only.
- Type 316 stainless steel lined stack is required when equipped with #2 oil or combination gas & #2 oil burner.
- Recommended stack height for natural or L.P. gas fired burners is 6 feet
- Recommended stack height for #2 oil or combination gas & #2 oil fired boilers is 10-12 ft.
- The stack should be supported independently of the boiler
- A minimally restrictive rain cap with integral down draft protection (supplied by others) is required.
- Proper draft range is between -.05" to -.09" water column.

AIR REQUIREMENTS

- Adequate Combustion/Ventilation Air is vital for safe, efficient operation. Refer to the latest edition of the Uniform Mechanical Code or consult your local Building and Safety Department for specific requirements.

ELECTRICAL REQUIREMENTS

- A Single Point 120/60/1 8 amp supply to the electrical panel

NATURAL GAS SUPPLY REQUIREMENTS

- 7-14" water column. (Boilers can be customized to accept a larger gas supply pressure)

#2 OIL SUPPLY REQUIREMENT

- Supply to oil pump: minimum gravity flow to maximum 3 psi.

WATER TEMPERATURES & PRESSURE DROPS

- Minimum return water temperature is 135° F (after start-up). Lower temperature return factory options available.
- Maximum practical supply water temperature is 235° F. Higher temperature/pressure Rite Boilers are available (Section I Boilers).
- Pressure drop for all models is less than 3 feet of total head.

ELEVATION DERATION

- Ratings given below are for elevations up to 2000 feet. Ratings should be reduced at the rate of 4% for every 1000 feet above 2000 feet.

B.T.U. FORMULA

- BTU Output @ 0-2000' elevation = 60 x 8.3 x T x G.P.M.

BOILER MODEL	Input MBH	Nominal Output		E.D.R.	Heating Surface Sq. Ft.	Water Content Gallons	G.P.M. 20° F Rise	G.P.H. 100° F Rise	Nominal Shipping Weight (lbs)
		MBH	Boiler Horsepower						
W48 W *	480	384	11	2400	49	21	38	465	900
W55 W *	550	440	13	2750	56	23	44	535	1000
W63 W *	630	506	15	3162	63	24	51	615	1100
W76 W *	760	608	18	3800	75	27	61	740	1300
W85 W *	850	680	20	4250	88	40	69	930	2100
W90 W *	900	720	21	4500	88	40	72	875	2100
W105 W *	1050	840	25	5250	101	43	84	1015	2250
W120 W *	1200	960	28	6000	115	47	97	1165	2400
W135 W *	1350	1080	32	6750	131	50	110	1315	2550
W150 W *	1500	1200	35	7500	145	54	120	1460	2700
W165 W *	1650	1320	39	8250	159	57	135	1600	2850
W180 W *	1800	1440	43	9000	174	61	145	1750	3000
W200 W *	2000	1600	47	10000	192	66	160	1950	3250
WA150 W *	1500	1200	35	7500	160	71	120	1460	2700
WA165 W *	1650	1320	39	8250	168	75	135	1600	2950
WA180 W *	1800	1440	43	9000	190	79	145	1750	3275
WA200 W *	2000	1600	47	10000	205	83	160	1950	3525
W225 W *	2250	1800	53	11250	230	89	180	2190	3775
W250 W *	2500	2000	59	12500	252	94	200	2430	4100
W275 W *	2750	2200	65	13750	273	100	220	2670	4425
W300 W *	3000	2400	71	15000	295	105	240	2920	4750
W325 W *	3250	2600	77	16250	318	111	265	3160	5075
W350 W *	3500	2800	83	17500	340	116	285	3400	5400
W375 W *	3750	3000	89	18750	362	122	305	3650	5725
W400 W *	4000	3200	95	20000	383	127	325	3900	6600
W425 W *	4250	3400	101	21250	405	133	345	4140	7000
W450 W *	4500	3600	107	22500	428	139	365	4380	7350
W475 W *	4750	3800	113	23750	450	145	385	4630	7700
W500 W *	5000	4000	119	25000	473	151	405	4870	8100
W550 W *	5500	4400	131	27500	526	190	445	5370	8800
W600 W *	6000	4800	143	30000	574	213	485	5850	9500
WA650 W *	6500	5200	155	32500	622	240	520	6250	10300
WA700 W *	7000	5600	167	35000	670	255	560	6720	11000
WA750 W *	7500	6000	180	37500	722	270	600	7200	11700
WA400 W *	4000	3200	95	20000	390	160	325	3900	6800
WA450 W *	4500	3600	107	22500	440	180	365	4380	7400
WA500 W *	5000	4000	119	25000	486	195	405	4870	8000
WA550 W *	5500	4400	131	27500	535	215	445	5370	8500
WA600 W *	6000	4800	143	30000	584	235	485	5850	9000
W650 W *	6500	5200	155	32500	632	250	520	6250	9600
W700 W *	7000	5600	167	35000	680	275	560	6720	10100
W750 W *	7500	6000	180	37500	730	290	600	7200	10700
W840 W *	8400	6700	200	41875	800	320	650	7800	15500
W940 W *	9400	7500	225	46875	900	345	770	9270	16250
W1050 W *	10500	8400	250	52500	1000	370	810	9740	17000
W1150 W *	11500	9200	275	57500	1100	395	925	11000	17750
W1250 W *	12499	9999	300	62494	1200	420	1005	12100	18500

* Add **G** for natural gas or propane, **O** for #2 oil or **GO** for combination gas & #2 oil.

