

TRUEMAX INDUSTRIAL LLC BOILER RATINGS

SERIES MAX3 BOILERS, HP		20	30	40	50	60	70	80	90	100	125	150	175	200	250	300	350	400	450	500	600
A	SHELL DIAMETER	46	46	55	55	55	64	64	64	64	72	72	72	86	86	86	96	96	96	110	110
B	FURNACE DIAMETER	22-1/8	22-1/8	26	26	26	30-3/4	30-3/4	30-3/4	30-3/4	36	36	36	44	44	44	52-1/2	52-1/2	52-1/2	58-1/2	58-1/2
C	SHELL LENGTH	50-7/8	74-7/8	65-1/8	79-1/8	93-1/8	83	95	113	127	103	121	135	115	141	169	151-1/4	171-1/4	191-1/4	165-1/2	205-1/2
D	HEIGHT C.L. OF FURNACE	27-3/8	27-3/8	29-3/4	29-3/4	29-3/4	31-3/4	31-3/4	31-3/4	31-3/4	34-7/16	34-7/16	34-7/16	40	40	40	42-3/8	42-3/8	42-3/8	46	46
E	BOILER HEIGHT-OVERALL	64-3/4	64-3/4	73-3/4	73-3/4	73-3/4	82-3/4	82-3/4	82-3/4	82-3/4	90-7/8	90-7/8	90-7/8	105	105	105	115	115	115	129	129
F	BOILER LENGTH-OVERALL	78-3/8	102-3/8	93-5/8	107-5/8	121-5/8	115-1/2	127-1/2	145-1/2	159-1/2	142	160	174	162-3/4	188-3/4	216-3/4	203-1/2	223-1/2	243-1/2	223	263
G	NORMAL WATER LINE	52-1/2	52-1/2	59-7/8	59-7/8	59-7/8	65-3/4	65-3/4	65-3/4	65-3/4	74	74	74	87-1/4	87-1/4	87-1/4	93-7/8	93-7/8	93-7/8	103-7/8	103-7/8
H	HEIGHT - FRONT SMOKEBOX TOP	50-1/8	50-1/8	57-5/8	57-5/8	57-5/8	63-7/8	63-7/8	63-7/8	63-7/8	71-15/16	71-15/16	71-15/16	85-1/4	85-1/4	85-1/4	91-3/4	91-3/4	91-3/4	101-3/4	101-3/4
I	HEIGHT - FRONT SMOKEBOX BOTTOM	22-1/8	22-1/8	27-1/4	27-1/4	27-1/4	28-3/8	28-3/8	28-3/8	28-3/8	29-15/16	29-15/16	29-15/16	33-1/2	33-1/2	33-1/2	35-1/4	35-1/4	35-1/4	32-1/2	32-1/2
J	HEIGHT - REAR SMOKEBOX TOP	58-5/8	58-5/8	67-5/8	67-5/8	67-5/8	76-5/8	76-5/8	76-5/8	76-5/8	84-5/8	84-5/8	84-5/8	98-3/4	98-3/4	98-3/4	108-3/4	108-3/4	108-3/4	123	123
K	HEIGHT - REAR SMOKEBOX BOTTOM	38-5/8	38-5/8	46-1/8	46-1/8	46-1/8	51-5/8	51-5/8	51-5/8	51-5/8	56-7/8	56-7/8	56-7/8	64-1/2	64-1/2	64-1/2	74-1/2	74-1/2	74-1/2	81-1/4	81-1/4
L	DEPTH - FRONT SMOKEBOX	8	8	8	8	8	8	8	8	8	8-1/2	8-1/2	8-1/2	10-1/2	10-1/2	10-1/2	12	12	12	16	16
M	DEPTH - REAR SMOKEBOX	16	16	17	17	17	21	21	21	21	27	27	27	33	33	33	36	36	36	38	38
N	SADDLE LENGTH	41	41	47	47	47	54	54	54	54	60	60	60	70	70	70	78	78	78	87-1/2	87-1/2
O	SADDLE WIDTH	6	6	6	6	6	8	8	8	8	8	8	8	10	10	10	12	12	12	12	12
P	SADDLE -FRONT OFFSET	7	7	11	11	11	11	11	11	11	11	11	11	13	13	13	18	18	18	18	18
Q	SADDLE -REAR OFFSET	7	7	11	11	11	11	11	11	11	11	11	11	13	13	13	18	18	18	18	18
R	DISTANCE BETWEEN SADDLES	25	49	31	45	59	45	57	75	89	65	83	97	69	95	123	91-1/4	111-1/4	131-1/4	105-1/2	145-1/2
S	VENT DIAMETER	12	12	12	12	14	14	14	16	16	18	20	20	20	24	28	28	30	30	30	32
T	LENGTH OF FURNACE	34-5/8	34-5/8	46-7/8	60-7/8	74-7/8	64-3/4	76-3/4	94-3/4	108-3/4	82-3/4	100-3/4	114-3/4	84-1/2	110-1/2	138-1/2	120-5/8	140-5/8	160-5/8	134-3/4	174-3/4
U	LENGTH-REVERSING CHAMBER	16	16	18	18	18	18	18	18	18	20	20	20	30	30	30	30	30	30	30	30
V (V1)	STEAM (WATER) SUPPLY SIZE (NPS)	6 (3)	6 (3)	6 (3)	6 (3)	6 (3)	8 (4)	8 (4)	8 (4)	8 (4)	8 (4)	8 (6)	8 (6)	8 (6)	8 (6)	8 (6)	10 (6)	10 (6)	10 (8)	12 (8)	12 (8)
W (W1)	STEAM (WATER) RETURN SIZE (NPS)	3 (3)	3 (3)	3 (3)	3 (3)	3 (3)	4 (4)	4 (4)	4 (4)	4 (4)	4 (4)	4 (6)	4 (6)	4 (6)	4 (6)	4 (6)	6 (6)	6 (6)	6 (8)	6 (8)	6 (8)

IF NO COILS USED NORMAL WATER LINE "H" MAY BE LOWERED BY 2"

BOILER SIZE	HP	20	30	40	50	60	70	80	90	100	125	150	175	200	250	300	350	400	450	500	600
Steam Output: From @ 212F	LBS/HR	690	1035	1380	1725	2070	2415	2760	3105	3450	4313	5175	6038	6900	8625	10350	12075	13800	15525	17250	20700
Gross Output	MBH	691	1036	1382	1727	2072	2418	2763	3108	3454	4317	5181	6044	6908	8634	10361	12088	13815	15542	17269	20723
Firing Rate Natural Gas, 1,000 BTU/CF	CFH	837	1255	1674	2092	2511	2929	3348	3766	4184	5230	6277	7323	8369	10461	12553	14645	16738	18830	20922	25106
Firing Rate Fuel Oil #2, 140,000 BTU	GPH	6	9	12	15	18	19.8	24	27	29.5	37	45	52	60	75	90	105	120	135	150	179
Firing Rate Fuel Oil #6, 150,000 BTU	GPH	NA	NA	NA	NA	NA	20	22	25	28	35	42	49	56	70	84	98	112	126	139	167
Fireside Heating Surface	SQFT	100	150	200	250	300	350	400	450	500	625	750	875	1000	1250	1500	1750	2000	2250	2500	3000
Furnace Volume	CU FT	20	36	28	33	37	38	41	45	52	88	97	108	112	125	146	208	227	246	287	329
Heat Release	MBH/FT ³	42	35	59	63	67	77	81	84	80	59	64	68	75	84	86	70	74	76	73	76
Operating Volume	GAL	211	285	338	422	507	414	469	539	654	946	1275	1511	1749	20284	23287	29019	31232	33445	37918	45918
Efficiency	%	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82
Approx. Shipping Weight	LBS	2465	2397	2448	2750	3052	4938	5128	5335	5893	9479	10147	10974	11048	11749	12961	14929	15581	16233	34213	38749
Approx. Operating Weight	LBS	5140	8454	5263	6274	7284	8029	8609	9304	10740	17781	20111	22808	18390	20284	23287	29019	31232	33445	58912	67918
Approx. Flooded Weight	LBS	5406	8909	5607	6695	7783	9382	10117	11006	12790	20377	23159	26364	21324	23670	27351	36347	39341	42336	68837	79602

