

NATIONAL-U. S. RADIATOR CORP. (1)

(More listings under U. S. Radiator)

Boiler Model No.	Rating		Minimum Firing Rate		Heating Surface Sq. Ft.	Firebox		Floor to Crown Sheet	Grate Size	Floor Area	Base Height (In.)	Chimney		Smoke Pipe Diam. (In.)
	Steam	Water	Gals. Oil per hr.	Lbs. Coal per hr.		Width	Length					Size (In.)	Height (Ft.)	
Heat Extractor - Automatically Fired (Cast-Iron Square) Type A														
A-13	10	Series	430	0.85		14	12	30-1/8		17x20-3/4		8x8	20	7
A-14			570	1.10		14	16	30-1/8		21x20-3/4		8x8	20	7
A-15			715	1.35		14	20	30-1/8		25x20-3/4		8x8	25	7
A-16			855	1.60		14	24	30-1/8		29x20-3/4		8x8	25	7
A-25			910	1.80		19	19-3/4	33 1/2		25-1/2x27-1/2		8x8	25	9
National Oil Heating Unit (Cast-Iron Square, Including National Burner)														
OU-13	10	Series	430	0.85		14	12	30-1/8		17x20-3/4		8x8	20	7
OU-14			570	1.10		14	16	30-1/8		21x20-3/4		8x8	20	7
OU-15			715	1.35		14	20	30-1/8		25x20-3/4		8x8	25	7
OU-18			855	1.60		14	24	30-1/8		29x20-3/4		8x8	25	7
OU-25			910	1.80		19	19-3/4	33 1/2		25-1/2x27-1/2		8x8	25	9
Ratings: IBR net														
400 Series Heat Extractor - Hand Fired (Cast-Iron Square) (Type H)														
H-405	2500	4000				37 1/2	35 1/2	38	9.17	42-3/8x49-1/2	12	16x16	40	16
H-406	3000	4800				37 1/2	42 1/2	38	11.00	49-3/8x49-1/2	12	16x16	42	16
400 Series Heat Extractor - Automatically Fired (Cast-Iron Square) Type A														
A-405	2500	4145	7.90	91		37 1/2	35 1/2	38		42-3/8x49-1/2	12	16x16	40	16
A-406	3000	4905	9.25	108		37 1/2	42 1/2	38		49-3/8x49-1/2	12	16x16	40	16
22 Series National Gas Boiler (Cast-Iron, Square) (Supersedes No. 20 Series)														
3-22	110	205								22-1/8x17-5/8		8x8	20	4
4-22	165	310								25-1/8x17-5/8		8x8	20	4
5-22	220	410								28-1/4x17-5/8		8x8	20	5
6-22	275	510								31-1/4x17-5/8		8x8	20	5
7-22	330	610								34-3/8x17-5/8		8x8	20	6
8-22	390	715								37-1/8x17-5/8		8x8	20	6
33 Series National Gas Boiler (Cast-Iron, Square) (Supersedes No. 30 Series)														
4-33	355	650								31-3/4x25		8x8	20	6
5-33	475	885								35-7/8x25		8x8	20	7
6-33	600	1080								40x25		8x8	20	8
7-33	725	1295								44-1/8x25		8x8	20	9
8-33	850	1510								48-1/4x25		8x12	20	9
9-33	980	1725								52-3/8x25		8x12	20	10
44 Series National Gas Boiler (Cast-Iron, Square) (Supersedes No. 40 Series)														
4-44	445	810								38-3/4x30		8x8	20	7
6-44	760	1355								45x30		8x8	20	8
7-44	920	1825								49-1/8x30		8x12	20	9
8-44	1080	1990								53-1/4x30		8x12	20	10
9-44	1240	2160								57-3/8x30		8x12	20	2 @ 8
10-44	1410	2430								61-1/2x30		12x12	20	2 @ 8
11-44	1580	2700								65-5/8x30		12x12	20	2 @ 8
12-44	1750	2975								69-3/4x30		12x12	20	2 @ 9
13-44	1920	3245								73-7/8x30		12x12	20	2 @ 9
68 Series National Gas Boiler (Cast-Iron, Square)														
4-68	1770	3005								47-1/2x47		12x12	20	14
5-68	2410	4005								55-1/2x47		12x12	20	2 @ 12
6-68	3070	5010								65-3/4x47		12x12	20	2 @ 14
Rating: IBR Net														
No. 20* Series National Oil Heating Boiler (Cast-Iron Square)														
0-16	360	580	1.35		27.8	18 1/2	15 1/2	31 1/2		43-1/4x29	10-5/8	8x8	25	9
0-20	450	720	1.65		32.8	18 1/2	19 1/2	31 1/2		47-1/4x29	"	8x8	25	9
0-24	530	850	1.90		39.0	18 1/2	23 1/2	31 1/2		51-1/4x29	"	8x8	30	9
0-28	620	990	2.20		44.0	18 1/2	27 1/2	31 1/2		55-3/8x29	"	8x12	30	9
0-32	700	1120	2.50		50.3	18 1/2	31 1/2	31 1/2		59-3/8x29	"	8x12	35	9
0-36	780	1250	2.75		55.3	18 1/2	35 1/2	31 1/2		63-3/8x29	"	8x12	35	9
* Model designation preceded by "U" when supplied as complete oil unit.														
No. 20 Series National Gas Boiler (Cast-Iron Square) (Supersedes No. 2 Series)														
3-20	109	174								3		7x7	20	4
4-20	164	262								3.4		7x7	20	4
5-20	219	350								3.8		7x7	20	5
6-20	276	441								4.2		7x7	20	5
7-20	333	532								4.6		7x7	20	6
8-20	390	624								5.3		7x7	20	8



NATIONAL-U. S. RADIATOR CORP. (3)

(More listings under U. S. Radiator)

Boiler Model No.	Rating		Minimum Firing Rate		Heating Surface Sq. Ft.	Firebox		Floor to Crown Sheet	Grate Size	Floor Area	Base Height (In.)	Chimney		Smoke Pipe Diam. (In.)
	Steam	Water	Gals. Oil per hr.	Lbs. Coal per hr.		Width	Length					Size (In.)	Height (Ft.)	
OU103	100	Series	National	Oil Heating Unit (Cast-Iron Square, Including National Burner)	18.9	14	12	30-1/8	2-1/12x1-3/4	8x8	20	7		
OU104	230	430	0.85	18.9	14	12	30-1/8	3-1/4x1-3/4	8x8	20	7			
OU105	310	570	1.10	24.4	14	16	"	3-7/12x1-3/4	8x8	25	7			
OU106	390	715	1.35	29.8	14	20	"	3-11/12x1-3/4	8x8	25	7			
OU108	470	855	1.80	35.2	14	24	"							
* Length is for extended jacket - subtract 18" for flush jacket.														
OU204	200	Series	National	Oil Heating Unit (Cast-Iron Square, Including National Burner)	28.8	19	16	33 1/2	3-1/2x2-1/3	12	8x8	20	9	
OU205	400	730	1.45	28.8	19	16	33 1/2	3-3/4x2-1/3	12	8x8	25	9		
OU206	500	910	1.80	35.0	19	19-3/4	33 1/2	4-1/12x2-1/3	12	8x12	25	9		
OU207	600	1080	2.15	40.1	19	23 1/2	33 1/2	4-5/12x2-1/3	12	8x12	30	9		
OU208	690	1235	2.40	46.2	19	27 1/2	33 1/2	4-3/4x2-1/3	12	8x12	35	9		
OU209	780	1390	2.65	51.3	19	31	33 1/2	5x2-1/3	12	8x12	35	9		
OU209	880	1580	2.95	57.5	19	34-3/4	33 1/2		12	8x12	35	9		
* Length is for extended jacket - subtract 20" for flush jacket.														
Rating: IBR Net														
OU1815	275	440	1.0	16	15	13-7/8	28		3-1/4x1-5/8	12	8x8	20	8	
OU1820	320	510	1.1	19	15	17	28		3-1/2x1-5/8	12	8x8	25	8	
OU1825	400	640	1.3	24	15	23	28		4x1-5/8	12	8x8	30	8	
OU2325	550	880	1.8	32	20	21-3/4	30		4-1/6x1-5/8	12	8x12	30	9	
OU2330	700	1120	2.3	41	20	28-3/4	30		4-3/4x2-1/4	12	8x12	35	9	
* Length is for enclosing jacket - subtract 17" for flush jacket.														
** Length is for enclosing jacket - subtract 20" for flush jacket.														
Rating: SBI Net														
RO1815	18" and 23"	National	Residential Steel Boilers - Type RO for Oil and Gas Firing (Steel-Square)	16	15	13-7/8	28		1-5/8x1-5/8	12	8x8	20	8	
RO1820	275	440	1.0	16	15	13-7/8	28		2-1/12x1-5/8	12	8x8	25	8	
RO1825	320	510	1.1	19	15	17	28		2-7/12x1-5/8	12	8x8	30	8	
RO2325	400	640	1.3	24	15	23	28		**2-1/2x2-1/4	12	8x12	30	9	
RO2330	550	880	1.8	32	20	21-3/4	30		**3-1/12x2-1/4	12	8x12	35	9	
RO2330	700	1120	2.3	41	20	28-3/4	30							
* Length is for flush jacket - Add 17" for enclosing jacket.														
** Length is for flush jacket - Add 20" for enclosing jacket.														
RO2635	26" and 29"	National	Residential Steel Boilers - Type RO for Oil and Gas Firing (Steel-Square)	53	21 1/2	29-1/2	34		3x2-1/4	12	8x12	25	12	
RO2840	900	1440	3.0	65	21 1/2	37-1/2	34		3-2/3x2-1/4	12	12x12	25	12	
RO2650	1100	1780	3.7	65	21 1/2	37-1/2	34		4-1/4x2-1/4	12	12x12	25	12	
RO2940	1300	2080	4.3	77	24 1/2	45	34		3-2/3x2-7/12	14	12x12	30	14	
RO2940	1500	2400	5.0	88	24 1/2	56-1/2	38		4-1/4x2-7/12	14	12x12	30	14	
RO2950	1800	2880	6.0	106	24 1/2	44	38			14	12x16	30	14	
28", 29" and 39" National Residential Steel Boilers - Type RA - For Stoker, Oil and Gas Firing - (Steel-Square)														
2835	700	1120	2.3	28	41	21 1/2	29-1/2	34	3x2-1/4	12	8x12	20	12	
2840	900	1440	3.0	34	53	21 1/2	37-1/2	34	3-2/3x2-1/4	12	8x12	25	12	
2940	1100	1780	3.7	42	65	24 1/2	36-1/2	38	3-2/3x2-7/12	14	12x12	25	14	
2950	1300	2080	4.3	49	77	24 1/2	44	38	4-1/2x2-7/12	14	12x12	25	14	
2955	1500	2400	5.0	57	88	24 1/2	50-1/2	38	4-5/8x2-7/12	14	12x12	30	14	
3940	1800	2880	6.0	68	108	33 1/2	35	43 1/2	3-1/2x3-1/3	14	12x16	30	18	
3950	2200	3520	7.3	83	129	33 1/2	43	43 1/2	4-1/6x3-1/3	14	12x16	30	18	
3955	2800	4160	8.6	98	153	33 1/2	51	43 1/2	4-5/6x3-1/3	14	16x16	35	18	
3965	3000	4800	10.0	105	177	33 1/2	59	43 1/2	5-1/2x3-1/3	14	16x16	35	18	
Rating: SBI Net														
H-112	No. 1	Series	Heat Extractor	Hand Fired - Type H (Cast-Iron Square)	18.9	12-3/4	12	30-1/8	1.11	1-5/12x1-2/3	8x8	20	7	
H-116	170	270		"	24.4	"	16	"	1.48	1-3/4x1-2/3	8x8	20	7	
H-120	230	370		"	29.8	"	20	"	1.85	2-1/12x1-2/3	8x8	25	7	
H-124	290	460		"	35.2	"	24	"	2.21	2-5/12x1-2/3	8x8	30	7	
Rating: IBR Net														
O-112	No. 1	Series	Heat Extractor	Oil Fired - Type O (Cast-Iron Square)	18.9	14	12	30-1/8	1.11	1-5/12x1-2/3	8x8	20	7	
O-116	250	370	0.85	18.9	14	12	30-1/8	"	1.48	1-3/4x1-2/3	8x8	20	7	
O-120	290	460	1.05	24.4	14	16	"	"	1.85	2-1/12x1-2/3	8x8	25	7	
O-124	350	560	1.25	29.8	14	20	"	"	2.21	2-5/12x1-2/3	8x8	30	7	
O-124	410	660	1.50	35.2	14	24	"	"						
* Length is for flush jacket - add 17" for enclosing jacket.														



NATIONAL-U.S. RADIATOR CORP. (5)

(More listings under U. S. Radiator)

Boiler Model No.	Rating		Minimum Firing Rate		Heating Surface Sq. Ft.	Firebox		Floor to Crown Sheet	Grate Size	Floor Area	Base Height (In.)	Chimney		Smoke Pipe Diam. (In.)
	Steam	Water	Gals. Oil per hr.	Lbs. Coal per hr.		Width	Length					Size (In.)	Height (Ft.)	
<p>No. 1 Series Oil Heating Unit (Including National Burner) (Cast-Iron Square)</p>														
U-112	230	570	0.85		18.9	14	12	30-1/8		2-3/4x1-2/3		8x8	20	7
U-116	290	460	1.05		24.4	14	16	"		3-1/8x1-2/3		8x8	20	7
U-120	350	560	1.25		29.8	14	20	"		3-1/2x1-2/3		8x8	25	7
U-124	410	660	1.50		35.2	14	24	"		3-3/4x1-2/3		8x8	30	7
<p>No. 2 Series Oil Heating Unit (Including National Burner) (Cast-Iron Square)</p>														
U-216	360	580	1.35		27.8	18 1/2	15 1/2	33 1/2		1-3/4x2-5/12	12-5/8	8x8	25	9
U-220	450	720	1.65		32.8	18 1/2	19 1/2	33 1/2		2-1/12x2-5/12	"	8x8	25	9
U-224	530	850	1.90		39.0	18 1/2	23 1/2	33 1/2		2-5/12x2-5/12	"	8x8	30	9
U-228	620	990	2.20		44.0	18 1/2	27 1/2	33 1/2		2-3/4x2-5/12	"	8x12	30	9
U-232	700	1120	2.50		50.3	18 1/2	31 1/2	33 1/2		3-1/12x2-5/12	"	8x12	35	9
U-236	780	1250	2.75		55.3	18 1/2	35 1/2	33 1/2		3-5/12x2-5/12	"	8x12	35	9
<p>Rating: IBR</p>														
<p>LB Series Oil Heating Unit (Including National Burner) (Cast-Iron Square)</p>														
LB-5	360	580	1.35		27.8	18 1/2	15 1/2	25 1/2		3-11/12x2-5/12	4-5/8	8x8	25	9
LB-6	450	720	1.65		32.1	18 1/2	19 1/2	25 1/2		4-1/4x2-5/12	"	8x8	25	9
LB-7	530	850	1.90		38.3	18 1/2	23 1/2	25 1/2		4-7/12x2-5/12	"	8x8	30	9
LB-8	620	990	2.20		43.8	18 1/2	27 1/2	25 1/2		4-11/12x2-5/12	"	8x12	30	9
LB-9	700	1120	2.50		50.1	18 1/2	31 1/2	25 1/2		5-1/4x2-5/12	"	8x12	35	9
LB-10	780	1250	2.75		55.6	18 1/2	35 1/2	25 1/2		5-7/12x2-5/12	"	8x12	35	9
<p>National Residential Steel Boiler (Steel-Square) (Premier)</p>														
275	275	440	1.0		16.2	15	13-7/8	28		3-1/4x1-3/4	12	8x8	20	8
320	320	510	1.1		19.0	15	17	28		3-1/2x1-3/4	12	8x8	25	8
400	400	640	1.4		24.0	15	23	28		4x1-3/4	12	8x8	30	8
540	540	860	1.9		32.0	20	21-3/4	30		4-1/6x2-1/6	12	8x12	30	9
680	680	1090	2.3		40.0	20	28-3/4	30		4-3/4x2-1/6	12	8x12	35	9
<p>National Premier Residential Steel Unit (Including National Burner) (Steel Square)</p>														
275-U	275	440	1.0		16.2	15	13-7/8	28		3-1/4x1-3/4	12	8x8	20	8
320-U	320	510	1.1		19.0	15	17	28		3-1/2x1-3/4	12	8x8	25	8
400-U	400	640	1.4		24.0	15	23	28		4x1-3/4	12	8x8	30	9
540-U	540	860	1.9		32.0	20	21-3/4	30		4-1/6x2-1/6	12	8x12	30	9
680-U	680	1090	2.3		40.0	20	28-3/4	30		4-3/4x2-1/6	12	8x12	35	9
<p>* Lengths are for extended jacket. Deduct 17" from 275, 320, and 400, and 20" from 540 and 680 for flush jacket.</p>														
<p>Rating: Bonded Net Load Sq. Ft.</p>														
<p>"Round Series" Boiler-Hand Fired Type (Cast-Iron Round)</p>														
* 17-4	175	285			13.4	17		Dia.	1.52		12	8x8	30	7
* 17-5	196	320			16.3	17			1.52		12	8x8	30	7
* 17-6	215	355			20.2	17			1.52		12	8x8	35	7
**19-4	275	455			17.3	20			2.01		12	8x8	30	8
**18-5	300	495			21.5	20			2.01		12	8x8	35	8
**19-6	325	535			26.2	20			2.01		12	8x12	35	8
23-4	375	620			21.2	23			2.67		12 1/2	8x12	35	8
23-5	410	675			26.9	23			2.67		12 1/2	8x12	35	8
23-6	445	730			33.1	23			2.67		12 1/2	8x12	40	8
26-4	475	785			25.6	26			3.62		12 1/2	8x12	35	10
26-5	525	865			33.0	26			3.62		12 1/2	8x12	40	10
26-6	575	945			41.1	26			3.62		12 1/2	12x12	40	10
29-4	600	990			29.8	29			4.35		12 1/2	12x12	35	10
29-5	675	1115			38.7	29			4.35		12 1/2	12x12	40	10
29-6	725	1195			47.9	29			4.35		12 1/2	12x12	45	10
* 32-4	750	1240			31.1	32			5.41		12 1/2	12x12	40	10
* 32-5	850	1400			40.0	32			5.41		12 1/2	12x12	40	10
* 32-6	925	1530			49.2	32			5.41		12 1/2	12x12	45	10
<p>* No longer in production - obsolete.</p>														
<p>** Also known as 20-4, 20-5 and 20-6.</p>														
<p>Rating: Bonded net.</p>														

NATIONAL-U.S. RADIATOR CORP. (6)

(More listings under U. S. Radiator)

Boiler Model No.	Rating		Minimum Firing Rate		Heating Surface Sq. Ft.	Firebox		Floor to Crown Sheet	Grate Size	Floor Area	Base Height (In.)	Chimney		Smoke Pipe Diam. (In.)
	Steam	Water	Gals. Oil per hr.	Lbs. Coal per hr.		Width	Length					Size (In.)	Height (Ft.)	
"Round Series" Boiler - Oil Heating and Stoker Fired Types (Cast-Iron Round)														
*O17-5	217	348			16.3		17 Dia.				12	8x8	30	7
*O17-8	269	430			20.2		17				12	8x8	35	7
**O19-5	287	459	1.06		21.5		20				12	8x8	35	8
**O19-6	349	559	1.24		28.2		20				12	8x12	35	8
O23-5	359	574	1.33		28.9		23				12 1/2	8x12	35	8
O23-6	442	707	1.57		33.1		23				12 1/2	8x12	40	8
O28-5	459	703	1.63		33.0		26				12 1/2	8x12	35	10
O28-6	548	876	1.95		41.1		28				12 1/2	8x12	40	10
O29-5	516	825	1.91		38.7		29				12 1/2	12x12	35	10
O29-6	639	1023	2.27		47.9		29				12 1/2	12x12	40	10
*O32-5	633	853			40.0		32				12 1/2	12x12	40	10
*O32-6	657	1050			49.2		32				12 1/2	12x12	40	10
* No longer in production - obsolete.														
** Also known as O20-5 and O20-6.														
National Gas Boiler - Series No. 2 (Cast-Iron Square)														
3-2	109	174	51,000	Input Btu/hr.						2x1 1/2				4
4-2	184	262	77,000	" "						2-1/4x1-1/2				4
5-2	219	350	102,000	" "						2-1/2x1-1/2				5
6-2	276	441	128,000	" "						2-3/4x1-1/2				5
7-2	333	532	153,000	" "						3x1-1/2				6
8-2	390	624	179,000	" "						3-1/4x1-1/2				6
National Gas Boiler - Series No. 3 (Cast-Iron Square)														
3-3	192	308	90,000	Input Btu/hr.						2-3/4x2-1/12				6
4-3	292	488	135,000	" "						3-1/12x2-1/12				6
5-3	393	630	180,000	" "						3-5/12x2-1/12				7
6-3	496	793	225,000	" "						3-3/4x2-1/12				8
7-3	599	959	270,000	" "						4-1/12x2-1/12				9
8-3	704	1127	315,000	" "						4-5/12x2-1/12				9
9-3	811	1297	380,000	" "						4-3/4x2-1/12				9
National Gas Boiler - Series No. 4 (Cast-Iron Square)														
4-4	368	588	169,000	Input Btu/hr.						3-1/12x2-1/2				7
6-4	625	1000	281,000	" "						3-3/4x2-1/2				8
7-4	757	1211	337,000	" "						4-1/12x2-1/2				8
8-4	890	1425	394,000	" "						4-5/12x2-1/2				9
9-4	1025	1640	450,000	" "						4-3/4x2-1/2				9
10-4	1161	1859	506,000	" "						5-1/12x2-1/2				9
11-4	1300	2080	563,000	" "						5-5/12x2-1/2				10
12-4	1439	2301	619,000	" "						5-3/4x2-1/2				10
13-4	1579	2528	675,000	" "						6-1/12x2-1/2				10
Jacketed Square Boilers - Series Nos. 2, 3 and 4 - Hand Fired Type (Cast-Iron) (Obsolete)														
2-4	200	330			25.4	18-5/8	12 1/2	38	1.5	1-1/2x2	12 1/2	8x8	30	9
2-5	290	480			31.6	"	16 1/2	38	2.0	1-5/8x2	12 1/2	8x8	30	9
2-6	380	630			37.6	"	20-3/4	38	2.5	2-1/8x2	12 1/2	8x8	30	9
2-7	470	780			43.8	"	25	38	3.0	2-7/12x2	12 1/2	8x12	35	9
2-8	560	930			50.0	"	29 1/2	38	3.5	2-11/12x2	12 1/2	8x12	35	9
2-9	650	1080			56.3	"	33 1/2	38	4.0	3-1/3x2	12 1/2	8x12	35	9
3-5	480	790			36.5	18-7/8	23-1/8	33 1/2	3.14	2-1/3x2-1/2	12	8x12	35	10
3-6	600	990			44.0	"	29	33 1/2	3.93	2-3/4x2-1/2	12	8x12	35	10
3-7	720	1190			51.5	"	34-7/8	33 1/2	4.72	3-1/4x2-1/2	12	8x12	35	10
3-8	840	1390			59.0	"	40-3/4	33 1/2	5.51	3-3/4x2-1/2	12	8x12	40	10
4-5	700	1150			60.3	24	28-1/8	31	4.78	2-3/4x3-1/6	12 1/2	12x12	30	12
4-6	875	1440			73.5	24	35	31	5.95	3-1/3x3-1/6	12 1/2	12x12	35	12
4-7	1050	1730			86.7	24	41-7/8	31	7.12	3-11/12x3-1/6	12 1/2	12x12	35	12
4-8	1225	2020			99.9	24	48-3/4	31	8.29	4-1/2x3-1/6	12 1/2	12x12	40	12
4-9	1400	2310			113.0	24	55-5/8	31	9.46	5-1/12x3-1/6	12 1/2	12x16	45	12







NATIONAL-U.S. RADIATOR CORP. (9)

(More listings under U. S. Radiator)

Boiler Model No.	Rating		Minimum Firing Rate		Heating Surface Sq. Ft.	Firebox		Floor to Crown Sheet	Grate Size	Floor Area	Base Height (In.)	Chimney		Smoke Pipe Diam. (In.)
	Steam	Water	Gals. Oil per hr.	Lbs. Coal per hr.		Width	Length					Size (In.)	Height (Ft.)	
Series "AM" - Stoker Fired - (Cast-Iron Square)														
AM-6	450	690		19	32.8	* 21	19	33		2-1/12x2-5/12	12-5/8	8x12	35	9
AM-7	505	805		22	39.0	21	23	33		2-5/12x2-5/12	"	8x12	35	9
AM-8	575	920		25	44.0	21	27	33		2-3/4x2-5/12	"	8x12	35	9
AM-9	650	1035		28	50.3	21	31	33		3-1/12x2-5/12	"	8x12	35	9
AM-10	720	1150		31	55.3	21	35	33		3-5/12x2-5/12	"	8x12	35	9
			* Average width		18 1/2 in.									
Series "AO" Oil Fired (Cast-Iron Square)														
AO-5	360	575	1.18		27.8	* 21	15	33		1-3/4x2-5/12	12-5/8	8x8	30	9
AO-6	430	690	1.40		32.8	21	19	33		2-1/12x2-5/12	"	8x12	35	9
AO-7	505	805	1.66		39.0	21	23	33		2-5/12x2-5/12	"	8x12	35	9
AO-8	575	920	1.87		44.0	21	27	33		2-3/4x2-5/12	"	8x12	35	9
AO-9	650	1035	2.13		50.3	21	31	33		3-1/12x2-5/12	"	8x12	35	9
AO-10	720	1150	2.35		55.3	21	35	33		3-5/12x2-5/12	"	8x12	35	9
			* Average width		18 1/2 in.									
Series "AOB" Oil Heating Units (Cast-Iron Square)														
AOB5	360	575	1.18		27.8	21	15	33		1-11/12x2-5/12	12-5/8	8x8	30	9
AOB6	430	690	1.40		32.8	21	19	33		2-1/4x2-5/12	"	8x8	30	9
AOB7	505	805	1.66		39.0	21	23	33		2-7/12x2-5/12	"	8x8	30	9
AOB8	575	920	1.87		44.0	21	27	33		2-11/12x2-5/12	"	8x12	35	9
AOB9	650	1035	2.13		50.3	21	31	33		3-1/4x2-5/12	"	8x12	35	9
AOB10	720	1150	2.35		55.3	21	35	33		3-7/12x2-5/12	"	8x12	35	9
Vertical Premier Residential Series - Type VD - Oil and Stoker (Steel-Round)														
VP-23	540	860	SHBI		33	* 23 Dia.		21		2-5/8x2-5/6	11	9	30	9
VP-28	680	1090			40	26		21		2-5/6x2-5/6	11	9	35	9
			* Average width		18 1/2 in.									
** Flush Jacket, Deluxe extended jacket 60-3/4 in.														
National Steel Oil Heating Units (Steel Square)														
2	320	510	1.0		18.8					4-5/12x1-11/12	None	8x8	25	8
3	450	720	1.4		28.5					5-1/6x1-11/12		8x8	30	8
4	650	1040	2.0		38.3					5-1/3x2-1/4		8x12	35	10
5	900	1440	2.7		53.0					7-1/6x2-1/5		8x12	40	10
* Recommended output														
** Rating: Net Load Sq. Ft.														
National Cast Iron Oil Heating Units (Cast-Iron Square)														
6	410	655	1.36		32.1	18 1/2	19	25		3-11/12x2-5/12	4-5/8	8x8	30	9
8	565	905	1.87		45.8	18 1/2	27	25		4-1/6x2-5/12	"	8x12	35	9
10	720	1150	2.36		55.6	18 1/2	35	25		5-1/4x2-5/12	"	8x12	35	9
			* Recommended input											
Rating: Bonded Net Load Sq. Ft.														
Super-Smokeless Boilers - Oil Burning Type - Series Nos. 24 and 33 (Cast-Iron Square)														
0245	900	1480	Bonded net		61.4	21	32			3-1/2x3	10	12x12	40	14
0246	1200	1980			75.1	21	40-3/4			3-5/6x3	10	13x15	40	14
0247	1500	2480			88.7	21	49			4-1/2x3	10	13x13	45	14
0248	1800	2980			102.4	21	57			5-1/6x3	10	14x14	50	14
0249	2100	3480			116.0	21	65			5-5/6x3	10			14
0335	1550	2575			85.0	30	32			3-1/12x4	10	14x14	40	16
0336	1975	3275			104.0	30	40-3/4			3-5/6x4	10	15x15	40	16
Rating: SBI net														
Low Water Line Boilers - Oil Burning Type (Obsolete)														
035	1000	1650	Bonded net		63.2	30	28	* 28			16	12x12	40	12
036	1300	2150			76.8	30	35	28			16	12x12	40	12
037	1600	2650			90.4	30	42	28			16	12x12	40	12
038	1900	3150			104.0	30	49	28			16	12x12	40	12
			* Average											
26", 29" and 39" National Residential Steel Boilers - Type RH for Handfiring (Steel-Square)														
2635	570	910			41				4.4	34-3/8x25-1/2	12	8x12	25	12
2640	740	1180			53				5.6	42-3/8x25-1/2	12	8x12	30	12
2940	910	1450			65				6.2	42-1/2x29-7/8	14	12x12	30	14
2950	1080	1720			77				7.5	50x29-7/8	14	12x12	30	14
2955	1230	1970			88				8.6	56-1/2x29-7/8	14	12x12	35	14
3940	1480	2370			106				8.1	41x38-7/8	14	12x16	35	18
3950	1810	2890			129				10.0	49x38-7/8	14	12x16	35	18
3955	2140	3430			153				11.9	57x38-7/8	14	16x16	40	18
3965	2480	3970			177				13.7	65x38-7/8	14	16x16	40	18
			Rating: SBI Net											

NATIONAL-U.S. RADIATOR CORP. (10)

(More listings under U. S. Radiator)

Boiler Model No.	Rating		Minimum Firing Rate		Heating Surface Sq. Ft.	Firebox		Floor to Crown Sheet	Grate Size	Floor Area	Base Height (In.)	Chimney		Smoke Pipe Diam. (In.)
	Steam	Water	Gals. Oil per hr.	Lbs. Coal per hr.		Width	Length					Size (In.)	Height (Ft.)	
Imperial Sectional Boilers (Cast-Iron Square) (Obsolete)														
423	1200	1950							3.75			12x12	35	12
523	1600	2600							5.00			12x12	40	12
623	2000	3250							6.25			13x13	40	12
Super Smokeless Boilers (Obsolete)														
245	1600	2600							5.00			12x12	40	12
246	2000	3250							6.25			13x13	40	12
*Round Boilers (Obsolete)														
17N1	350	600							1.58					7
20N1	500	850							2.08					8
23N1	775	1300							2.75					8
26N1	950	1575							3.64					10
29N1	1200	1975							4.42					10
32N1	1500	2475							5.58					10
17N2	400	675							1.58					7
20N2	550	925							2.08					8
23N2	825	1375							2.75					8
26N2	1025	1700							3.64					10
29N2	1300	2150							4.42					10
32N2	1600	2650							5.58					10
* Water Boiler Model Numbers are Reversed - i.e., 1N17, 1N20, etc.														
17N3	450	750							1.58					7
20N3	600	1000							2.08					8
23N3	875	1450							2.75					8
26N3	1100	1825							3.64					10
29N3	1400	2325							4.42					10
32N3	1700	2825							5.58					10
26N4	1175	1950							3.64					10
29N4	1500	2500							4.42					10
32N4	1800	3000							5.58					10
*Acme Round Boilers (Obsolete)														
P-1017	350	600										8x8	30	7
P-2017	400	675										8x8	30	7
P-3017	450	750										8x8	35	7
P-1019	500	850										8x8	30	8
P-2019	550	925										8x8	35	8
P-3019	600	1000										8x12	35	8
P-1022	775	1300										8x12	35	9
P-2022	825	1375										8x12	35	9
P-3022	875	1450										8x12	40	9
P-1025	950	1575										8x12	35	10
P-2025	1025	1700										8x12	35	10
P-3025	1100	1825										8x12	35	10
P-4025	1175	1950										8x12	45	10
P-1028	1200	1975										12x12	35	10
P-2028	1300	2150										12x12	40	10
P-3028	1400	2325										12x12	40	10
P-4028	1550	2500										12x12	45	10
* Second digit water boiler model numbers is "1" - i.e., P-1117, P-2117, etc.														
Low Water Line Boilers - Series 1 (Water Only) and 2 (Steam and Water) (Obsolete)														
41		400												1x-1/14
51		500												1-1/4x1-1/4
61		600												1-1/2x1-1/4
71		700												1-3/4x1-1/4
4	450	750												1-1/2x2-1/12
5	575	950												1-5/8x2-1/12
6	700	1150												2-1/8x2-1/12
7	825	1350												2-1/2x2-1/12
8	950	1550												2-5/8x2-1/12
9	1075	1750												3-1/8x2-1/12
10	1200	1950												3-1/2x2-1/12
11	1325	2150												3-5/8x2-1/12
12	1450	2350												4-1/8x2-1/12
13	1575	2550												4-2/3x2-1/12
14	1700	2750												4-1/2x2-1/12
15	1825	2950												5-1/8x2-1/12
16	1950	3150												5-1/2x2-1/12

NATIONAL-U.S. RADIATOR CORP. (11)

(More listings under U. S. Radiator)

Boiler Model No.	Rating		Minimum Firing Rate		Heating Surface Sq. Ft.	Firebox		Floor to Crown Sheet	Grate Size	Floor Area	Base Height (in.)	Chimney		Smoke Pipe Diam. (in.)
	Steam	Water	Gals. Oil per hr.	Lbs. Coal per hr.		Width	Length					Size (In.)	Height (Ft.)	
17	2075	3350								5-5/8x2-1/12				
30	535	880	8 Hr.		Boilers (Round) (Obsolete)				2.34					9
40	700	1155	"						2.98					9
50	940	1550	"						4.16					10
60	1175	1940	"						5.05					10
51	570	940	"						2.34					9
41	750	1240	"						2.98					9
51	1000	1650	"						4.16					10
61	1250	2065	"						5.05					10
52	600	990	"						2.34					9
42	800	1320	"						2.98					9
52	1050	1735	"						4.16					10
62	1325	2185	"						5.05					10
	Radium Gas Boilers -		Water Series 1 (Obsolete)											
41		400								1x1-1/4				
51		500								1-1/4x1-1/4				
61		600								1-1/2x1-1/4				
71		700								1-3/4x1-1/4				

NELSON MFG. CO., N. O.

(For "Our Own" Series B, C, D, E, F, G, M, N, O, P, Q, R and "Hesper", "Rival" and "Roman" Boilers, see Novelty Iron Company Listing)														
"Model" Boilers														
18-3	350	575												
18-4	550	900				18	14							
18-5	725	1200				18	28							
18-6	900	1500				18	35							
22-3	444	739				22	14							
22-4	665	1109				22	21							
22-5	887	1478				22	38							
22-8	1109	1848				22	35							
"Nelson" Steam Boilers (Water Base)														
305	1200	2000				28	28			45x46				12
306	1400	2350				28	36			52x46				12
307	1625	2875				28	42			59x46				12
308	1900	3150				28	49			66x46				12
309	2100	3450				28	55			73x46				12
"Nelson" Sectional Boilers (Water Base)														
204	525	850				22	19			34x40				10
205	675	1100				22	25			40x40				10
206	850	1400				22	31			46x40				10
207	1000	1650				22	37			52x40				10
208	1150	1900				22	43			58x40				10
"Model" Boilers														
30-4	925	1525				30	21							
30-5	1200	2000				30	28							
30-6	1700	2800				30	35							
30-7	2050	3400				30	42							
"Round Sectional Boilers"														
217	250	400				17	Dia.							
A317	300	500				17								
417	350	575				17								
A320	400	650				20								
420	450	750				20								
530	500	825	(Anthracite Only)			20								
A323	575	950				23								
423	625	1025				23								
523	675	1100	(Anthracite Only)			23								
A326	750	1250				26								
426	800	1325				26								
526	850	1400	(Anthracite Only)			26								
529	1000	1650				29								
429	1100	1825				29								
529	1200	2000	(Anthracite Only)			29								

**NEW YORK CENTRAL IRON WORKS**

Boiler Model No.	Rating		Minimum Firing Rate		Heating Surface Sq. Ft.	Firebox		Floor to Crown Sheet	Grate Size	Floor Area	Base Height (In.)	Chimney		Smoke Pipe Diam. (In.)
	Steam	Water	Gals. Oil per hr.	Lbs. Coal per hr.		Width	Length					Size (In.)	Height (Ft.)	
Regular Dunning Portable Boilers														
101	400					22" dia.								
102	500					24 "								
103	600					26 "								
104	800					28 "								
105	1000					31 "								
106	1200					35 "								
107	1400					38 "								
108	1600					40 "								
109	2000					40 "								
201		650				22 "								
202		825				24 "								
203		1000				26 "								
204		1325				28 "								
205		1650				31 "								
206		2000				35 "								
207		2325				38 "								
208		2650				40 "								
209		3300				40 "								
Models 1, 2, 2 $\frac{1}{2}$ , 3, 3 $\frac{1}{2}$ , 4, 4 $\frac{1}{2}$ , 5 and 5 $\frac{1}{2}$ have same ratings in new Dunning Line.														
Club Dunning Portable Boilers														
50	200					16 "								
51	275					18 "								
52	350					20 "								
53	400					22 "								
54	450					24 "								
55	525					26 "								
56	625					28 "								
57	750					31 "								
60		325				16 "								
61		450				18 "								
62		575				20 "								
63		650				22 "								
64		750				24 "								
65		875				26 "								
66		1050				28 "								
67		1250				31 "								
Rating: Direct Radiation Sq. Ft.														

**NEW YORKER STEEL BOILER CO.**

40	"TS" Series	Oil Boiler (Steel, Square)	400	640	1.00	25.7				22x44		8x8	30	6
54			540	884	1.35	32				22x51		8x8	30	8
88			680	1088	1.50	40				22x59		8x10	30	8
90			918	1468	2.00	54				26x65		8x10	30	10
"New Yorker" Oil Boiler (Steel, Square)														
32			325	525	1.00	19				8.5				8
40			400	840	1.20	24				8.3				6
55			550	880	1.50	32				10.1				8
70			700	1120	2.00	41				10.1				9
90			900	1440	2.50	54				11.2				9
110			1100	1760	3.00	65								10
*V-27			440		.85	16	12" Dia.	20"		22" Dia.			30	7
*V-30S	320		510		1.10	19	" "	"		"			"	"
*V-40S	400		640		1.25	24	" "	"		"			"	"
*V-50S	500		800		1.35	29	" "	"		"			"	"
V-28W			480		1.00		17-3/4	"		"			"	7
V-30W			510		1.10	19	" "	"		"			"	"
V-40W			640		1.25	24	" "	"		"			"	"
V-50W			800		1.35	29	" "	"		"			"	"
* Obsolete														
S-580			580		1.20	19	12" Dia.	16-1/2		22x22			30	7
S-720			735		1.25		" "	"		"			"	"

**NIAGARA RADIATOR & BOILER CO.**

Boiler Model No.	Rating		Minimum Firing Rate		Heating Surface Sq. Ft.	Firebox		Floor to Crown Sheet	Grate Size	Floor Area	Base Height (In.)	Chimney		Smoke Pipe Diam. (In.)
	Steam	Water	Gals. Oil per hr.	Lbs. Coal per hr.		Width	Length					Size (In.)	Height (Ft.)	
<b>ROUND BOILERS</b>														
17-4	300	500							1.55			8x8	30	7
20-4	400	700							2.08			8x8	30	8
23-4	550	900							2.75			8x12	35	8
26-4	750	1200							3.64			8x12	35	10
29-4	950	1500							4.42			12x12	35	10
32-4	1150	1900							5.58			12x12	40	10
17-5	350	575							1.58			8x8		7
20-5	450	750							2.08			8x8		8
23-5	600	1000							2.75			8x12		8
26-5	800	1300							3.64			8x12		10
29-5	1000	1600							4.42			12x12		10
32-5	1250	2100							5.58			12x12		10
17-6	400	650							1.58			8x8		7
20-6	500	800							2.08			8x8		8
23-6	675	1100							2.75			8x12		8
26-6	875	1400							3.64			12x12		10
29-6	1075	1750							4.42			12x12		10
32-6	1350	2250							5.58			12x12		10
26-7	950	1500							3.64			12x12	50	
29-7	1150	1850							4.42			12x12	45	
32-7	1450	2400							5.58			12x12	50	
<b>SECTIONAL BOILERS</b>														
22-4	800	1300							3.36			8x12	35	
22-5	1000	1650							4.43			12x12	35	
22-6	1200	2000							5.50			12x12	40	
22-7	1400	2350							6.57			12x16	40	
28-5	1700	2800							6.42			12x12	40	
28-6	2100	3450							7.98			12x16	40	
28-7	2500	4100							9.54			12x16	45	
28-8	2800	4750							11.10			16x16	45	

**NORGE HEAT DIV.**

Series B100, B200, B300, B400 Gas or Oil Fired Boiler-Burner Units with Vertical Corrugated Plate-Type Blues (Steel-Bound)														
510		510	.85		20									6
320	320		.85		20					21-1/2" dia.				6
640		640	1.00		25					21-1/2" "				6
400	400		1.00		25					21-1/2" "				6
880		880	1.35		35					26-3/8" "				8
550	550		1.35		35					26-3/8" "				8
1120		1120	1.75		43					26-3/8" "				10
700	700		1.75		43					26-3/8" "				10
1440		1440	2.25		54					26-3/8" "				10
900	900		2.25		54					26-3/8" "				10
Rating: Net Installed Load														

**NORSE BOILER CO.**

Norse V Series Vertical Tube Boilers														
32	320	510												
40	400	640												
55	550	880												
* 70	700	1120												
* 90	900	1440												
* 110	1100	1780												
* Flash Jacket Only														
Norse V Series Oil and Gas Fired Boiler - Burner Units														
32-0	320	510												
40-0	400	640												
55-0	550	880												

(Continued next page)

**NORSE BOILER CO.**

Boiler Model No.	Rating		Minimum Firing Rate		Heating Surface Sq. Ft.	Firebox		Floor to Crown Sheet	Grate Size	Floor Area	Base Height (In.)	Chimney		Smoke Pipe Diam. (In.)
	Steam	Water	Gals. Oil per hr.	Lbs. Coal per hr.		Width	Length					Size (In.)	Height (Ft.)	
Norse H Series Dual Circum-Bustion Horizontal Tube Boilers														
32	320	510	1.00		19					21x21				7
40	400	640	1.35		24					21x21				7
55	550	880	1.85		32					23x23				8
70	700	1120	2.00		41					23x23				8
90	900	1440												
Norse Scotch Marine Commercial-Industrial Boilers														
S-120	1200	1920	8.5											
S-150	1500	2400	10.71											
S-180	1800	2880	12.14											
S-220	2200	3520	15.70											
S-260	2600	4160	18.5											
S-300	3000	4800	21.4											
S-350	3500	5600	25.0											
S-400	4000	6400	28.6											
S-450	4500	7200	32.2											
S-500	5000	8000	35.8											
Midget Boiler (Round-Steel) (Obsolete)														
320	320	510	.75		19			15 1/2		* 20				7
* Diameter, unjacketed Rating: Net														

**NOVELTY IRON CO. (I)**

SERIES "R" HOT WATER BOILERS (ROUND)														
15		250												6
16		300												6
20		350												7
21		400												7
30		450												8
31		500												8
40		575												9
41		650												9
50		750												10
51		850												10
60		1000												11
61		1150												11
SERIES "C" HOT WATER BOILERS (ROUND)														
101		300				16	12			24x22				7
102		400				16	18			24x28				7
103		550				16	24			24x34				7
104		700				20	24			30x34				9
105		850				20	30			30x40				9
106		1100				20	36			30x46				9
SERIES "M" STEAM BOILERS (ROUND)														
17		175												6
22		225												7
32		300												8
42		400												9
52		525												10
62		675												11
SERIES "N" STEAM BOILERS (SQUARE)														
201		175				16	12			24x22				
202		250				16	18			24x28				
203		375				16	24			24x34				
204		475				20	24			30x34				
205		600				20	30			30x40				
206		750				20	36			30x46				
SERIES "P" STEAM BOILERS														
636		1900				36	36			50x44				
736		2250				36	44			50x51				
836		2600				36	51			50x58				
936		2950				36	58			50x65				
SERIES "Q" STEAM BOILERS														
132		300												8
142		400												9
152		525												10
162		675												11

NOVELTY IRON CO. (2)

Boiler Model No.	Rating		Minimum Firing Rate		Heating Surface Sq. Ft.	Firebox		Floor to Crown Sheet	Grate Size	Floor Area	Base Height (In.)	Chimney		Smoke Pipe Diam. (In.)
	Steam	Water	Gals. Oil per hr.	Lbs. Coal per hr.		Width	Length					Size (In.)	Height (Ft.)	
SERIES "O" STEAM BOILERS														
303	275					19				33 Dia.				
304	300					19				33				
403	350					21				35				
404	400					21				35				
405	450					21				35				
503	500					25				39				
504	575					25				39				
505	650					25				39				
603	750					28				42				
604	875					28				42				
605	1000					28				42				
704	1150					32				47				
705	1300					32				47				
706	1500					32				47				
804	1750					39				55 $\frac{1}{2}$				
805	2000					39				55 $\frac{1}{2}$				
SERIES "R" STEAM BOILERS (SQUARE)														
1850	400					18 x 18				24x25				
1860	525					18 x 24				30x25				
1870	675					18 x 30				36x25				
1880	825					18 x 36				42x25				
2450	675					24 x 18				24x32				
2460	900					24 x 25				30x32				
2470	1100					24 x 30				36x32				
2480	1300					24 x 36				42x32				
2490	1450					24 x 42				48x32				
2500	1600					24 x 48				54x32				
"HESPER" STEAM BOILERS (ROUND)														
300	225									31 $\frac{1}{2}$				
301	275									31 $\frac{1}{2}$				
400	300									33 $\frac{1}{2}$				
401	350									33 $\frac{1}{2}$				
402	400									33 $\frac{1}{2}$				
500	450									37 $\frac{1}{2}$				
501	525									37 $\frac{1}{2}$				
502	600									37 $\frac{1}{2}$				
600	700									40 $\frac{1}{2}$				
601	825									40 $\frac{1}{2}$				
602	950									40 $\frac{1}{2}$				
701	1050									45 $\frac{1}{2}$				
702	1200									45 $\frac{1}{2}$				
703	1400									45 $\frac{1}{2}$				
801	1600									52 $\frac{1}{2}$				
802	1850									52 $\frac{1}{2}$				
803	2250									52 $\frac{1}{2}$				
"RIVAL" STEAM BOILERS (ROUND)														
1920	275					19				30 $\frac{1}{2}$				9
1930	350					19				30 $\frac{1}{2}$				9
1940	400					19				30 $\frac{1}{2}$				9
2220	425					22				36				9
2230	475					22				36				9
2240	525					22				36				9
2520	575					25				38				10
2530	650					25				38				10
2540	725					25				38				10
2820	750					28				41				12
2830	875					28				41				12
2840	1000					28				41				12
3120	1100					31				44				12
3130	1250					31				44				12
3140	1400					31				44				12
3420	1500					34				48 $\frac{1}{2}$				12
3430	1675					34				48 $\frac{1}{2}$				12
3440	1850					34				48 $\frac{1}{2}$				12

**NOVELTY IRON CO. (3)**

Boiler Model No.	Rating		Minimum Firing Rate		Heating Surface Sq. Ft.	Firebox		Floor to Crown Sheet	Grate Size	Floor Area	Base Height (In.)	Chimney		Smoke Pipe Diam. (In.)
	Steam	Water	Gals. Oil per hr.	Lbs. Coal per hr.		Width	Length					Size (In.)	Height (Ft.)	
	<b>"ROMAN" STEAM BOILER (ROUND)</b>													
330	225					19				30 $\frac{1}{2}$				9
340	275					19				30 $\frac{1}{2}$				9
350	300					19				30 $\frac{1}{2}$				9
430	350					22				35				9
440	400					22				35				9
450	450					22				35				9
530	525					25				38				10
540	600					25				38				10
550	675					25				38				10
630	775					28				41				12
640	875					28				41				12
650	975					28				41				12
740	1100					32				44				12
750	1225					32				44				12
760	1350					32				44				12
	<b>FLANNERY SAFETY FIRE BOX BOILERS</b>													
1	900	1400				24	26							16
2	1000	1600				24	32							16
3	1200	1900				24	38							16
4	1400	2200				30	32							18
5	1700	2700				30	38							18
6	2100	3400				30	44							18
7	2200	3500				36	38							20
8	2500	4000				36	44							20
9	2900	4600				36	50							20

**OIL EQUIPMENT LABORATORIES, INC.**

B-G	ROTORFLAME BOILER		BURNER UNIT (STEEL SQUARE)		NO	LENGTH	MANUFACTURED			
A-G	40	640			22.8		22-1/4x37-1/4	8x8	30	6
	550	880			29.5		22-1/4x41-1/4	8x12	30	6
	<b>ROTORFLAME BOILER BURNER UNIT (STEEL ROUND)</b>									
OE320	320	510	.8		20					6
OE400	400	640	1.0		25					6
OE550	550	880	1.35		34					8
OE700	700	1120	1.75		43					10
OE900	900	1440	2.25		53					10

**OIL CITY BOILER WORKS (1)**

10	1475	2700				24	38							
20	1725	2900				24	38							
30	2000	3200				30	32							
40	2275	3700				30	38							
50	2575	4200				30	44							
60	2675	4300				35 $\frac{1}{2}$	38							
70	3050	5000				35 $\frac{1}{2}$	38							
136	2000	3200			198	30	32							
236	2200	3500			222	30	38							
236	2200	3500			222	30	44							
336	2600	4100			260	36	38							
142	2800	4500			277	36	38							
242	3200	5100			318	30	32							
804-0	1300	2200			140	30	38							14
805-0	1800	2800			185	30	44	666						16
606-0	1900	3100			191	36	44	7.91						18
608-0	2450	4100			242	36	50	9.17						20
609-0	2850	4700			275	42	38	11.00						
707	2780				291	42	38	12.50						
907	2780				291			10.08						
	Rating: SHBI													



OIL CITY BOILER WORKS

Boiler Model No.	Rating		Minimum Firing Rate		Heating Surface Sq. Ft.	Firebox		Floor to Crown Sheet	Grate Size	Floor Area	Base Height (In.)	Chimney		Smoke Pipe Diam. (In.)
	Steam	Water	Gals. Oil per hr.	Lbs. Coal per hr.		Width	Length					Size (In.)	Height (Ft.)	
1360	1800				204	50	38							
2360	2300				255	30	44							
1420	2500				305	36	38							
2420	3000				343	36	44							
3623	2300				192	30	50		9.1					
3629	2950				234	30	60		10.4					
3623	3200				192	30	50		9.1					
3629	3900				234	30	50		10.4					
3623	1310				140	24	54		6.6					
3629	1800				157	24	58		7.9					
1730	2300				192	30	51		9.1					
2030	2950				231	30	62		10.4					
2036	2300				140	24	54		6.6					
2936	2600				157	24	58		7.9					
1730	3200				192	30	51		9.1					
2030	3200				231	30	62		10.4					
2336	3900													
2936	3900													
Rating: SHBI														
SL-1	1800													
SL-2	2200													
SL-3	2600													
SL-4	3000													
SL-1M	2190													
SL-2M	2680													
SL-3M	3160													
SS-1H	1800													
SS-2H	2200													
SS-3H	2600													
SS-4H	3000													
SS-1	2190													
SS-2	2680													
SS-3	3160													
SW-1A	1800													
SW-2A	2200													
SW-3A	2600													
SW-4A	3000													
SW-1	2190													
SW-2	2680													
SW-3	3160													
Rating: SHBI														
SP-1	510													
SP-2	690													
SP-3	940													
SP-4	1240													
SP-5	1380													
SP-6	1800													
SP-7	2200													
SP-8	3000													
Oil Gas Stoker														
SP-1M	1040													
SP-2M	1410													
SP-3M	1580													
SP-4M	1770													
SP-5M	2020													
SP-6M	2190													
SP-7M	2680													
Rating: SHBI														

OIL CITY BOILER WORKS

Boiler Model No.	Rating		Minimum Firing Rate		Heating Surface Sq. Ft.	Firebox		Floor to Crown Sheet	Grate Size	Floor Area	Base Height (In.)	Chimney		Smoke Pipe Diam. (In.)
	Steam	Water	Gals. Oil per hr.	Lbs. Coal per hr.		Width	Length					Size (In.)	Height (Ft.)	
	Coal	Fired												
D-1	400	700			40				2.7					10
D-2	600	1000			55				3.3					10
D-3	800	1300			74				4.2					10
D-4	1000	1600			90				4.8					12
D-5	1200	1900			103				4.9					12
D-6	1400	2200			119				5.7					12
D-7	1600	2600			139				6.6					12
D-8	1800	2900			159				7.3					14
D-9	2000	3250			169				7.3					14
	Oil	Fired												
D-1	480	775			40				2.7					10
D-2	725	1175			55				3.3					10
D-3	975	1575			74				4.2					10
D-4	1200	1925			90				4.8					12
D-5	1450	2325			103				4.9					12
D-6	1675	2680			119				5.7					12
D-7	1925	3080			139				6.6					12
D-8	2175	3480			159				7.3					14
D-9	2400	3850			169				7.3					14
Rating: SHBI														

ORR & SEMBOWER, INC.

Model	Rating	Minimum Firing Rate	Heating Surface	Firebox	Floor to Crown Sheet	Grate Size	Floor Area	Base Height	Chimney	Smoke Pipe
800	360	1.25	17	14-1/2	16	29-7/8	4-3/4x1-11/12	13	7x10	30
801	510	1.78	22	15	17	31-3/8	4-11/12x2	13	7x10	30
802	650	2.25	30.4	15	17	32-3/8	5-7/12x2	13	9x12	30
803	775	2.70	37.4	17-5/8	19	34-7/8	6-7/12x2-1/4	13	9x12	30
804	980	3.36	42	17-5/8	19	38-7/8	5-5/6x2-1/4	17	10x12	30
805	1225	4.25	52.8	20	21	42-3/4	6-5/12x2-1/2	21	12x12	30
850	540	1.25	17	14-1/2	16	29-7/8	4-3/4x1-11/12	13	7x10	30
851	765	1.78	22	15	17	31-3/8	4-11/12x2	13	7x10	30
852	975	2.25	30.4	15	17	32-3/8	5-7/12x2	13	9x12	30
853	1160	2.70	37.4	17-5/8	19	34-7/8	5-7/12x2-1/4	13	9x12	30
854	1470	3.36	42	17-5/8	19	38-7/8	5-5/6x2-1/4	17	10x12	30
855	1840	4.25	52.8	20	21	42-3/4	6-5/12x2-1/2	21	12x12	30
A1000	285	1.00	20	9	19		5x1-2/3		7x10	30
B1000	325	1.10	24.4	11 1/2	20		5-1/6x1-11/12		7x10	30
1001	410	1.39	28.8	11 1/2	20		5-1/6x1-11/12		7x10	30
1002	550	1.86	36.3	14 1/2	20		5-1/2x2-1/6		9x10	30
1003	685	2.33	42	14 1/2	24		5-5/6x2-1/6		9x12	30
1004	820	2.80	49.3	14 1/2	31		6-1/2x2-1/6		9x12	30
A1050	430	1.00	20	9	19		5x1-2/3		7x10	30
B1050	485	1.11	24.4	11 1/2	20		5-1/6x1-11/12		7x10	30
1051	615	1.39	28.8	11 1/2	20		5-1/6x1-11/12		7x10	30
1052	825	1.86	36.3	14 1/2	20		5-1/2x2-1/6		9x10	30
1053	1030	2.33	42	14 1/2	24		5-5/6x2-1/6		9x12	30
1054	1230	2.80	49.3	14 1/2	31		6-1/2x2-1/6		9x12	30
900	370	1.12	17	14 1/2	16	33-7/8	4-3/4x1-11/12	13	8x10	30
901	470	1.60	22	15	17	35-3/8	4-11/12x2	13	8x10	30
902	585	2.02	30.4	15	17	36-3/8	5-7/12x2	13	9x12	30
903	700	2.43	37.4	17-5/8	19	38-7/8	5-7/12x2-1/4	13	9x12	30
904	875	3.02	42	17-5/8	19	42-7/8	5-5/6x2-1/4	17	12x12	30
905	1110	3.9	52.8	20	21	46-3/4	6-5/12x2-1/2	21	14x14	30
A1100	285	1.00	20	9	19		5x1-2/3		7x10	30
B1100	325	1.11	24.4	11 1/2	20		5-1/6x1-11/12		7x10	30
1101	410	1.39	28.8	11 1/2	20		5-1/6x1-11/12		7x10	30
1102	550	1.86	36.3	14 1/2	20		5-1/2x2-1/6		9x10	30
1103	685	2.33	42	14 1/2	24		5-5/6x2-1/6		9x12	30
1104	820	2.80	49.3	14 1/2	31		6-1/2x2-1/6		9x12	30

Rating: NET INSTALLED RADIATION

**ORR & SEMBOWER, INC.**

Boiler Model No.	Rating		Minimum Firing Rate		Heating Surface Sq. Ft.	Firebox		Floor to Crown Sheet	Grate Size	Floor Area	Base Height (In.)	Chimney		Smoke Pipe Diam. (In.)
	Steam	Water	Gals. Oil per hr.	Lbs. Coal per hr.		Width	Length					Size (In.)	Height (Ft.)	
					O & S KNOWLTON STEEL HEATING BOILERS - ESPECIALLY DESIGNED FOR GAS BURNERS (OBSOLETE)									
20	630	1010	Net Stand		57	20	18				12	8x12	30	11x6*
21	890	1425			90	23	24				12	8x12	30	11x6*
22	1110	1775			113	23	30				12	12x12	30	14x6*
23	1695	2710			147	26	36				12	12x12	30	14½x8
24	2050	3280			181	26	42				12	12x16	30	14x9*
O & S KNOWLTON DIRECT DRAUGHT BOILERS (OBSOLETE)														
120	320	515	Net Stand		30	20	18		2.50		12	8x12	35	11x6*
121	510	815			44	23	24		3.93		12	10x12	35	11x6*
122	680	1090			55	23	30		4.80		12	12x12	49	14x6*
123	940	1500			70	26	36		6.50		12	12x12	45	11x9*
124	1140	1820			85	26	42		7.58		12	12x16	45	14x9*
125	1360	2175			101	29	42		8.45		12	12x16	45	14x9*
126½	1740	2780			127	29	48		9.67		12	12x16	50	19x9*
127	2040	3260			147	29	56		9.00		12	12x16	50	19x9*
O & S KNOWLTON STEEL HEATING BOILERS - ESPECIALLY DESIGNED FOR OIL BURNERS (OBSOLETE)														
20	630	1010	Net Standg.		57	20	18			2-1/12x2-1/2	12	8x12	30	11x5*
21	890	1425			90	23	24			2-7/12x2-3/4	12	8x12	30	11x6*
22	1110	1775			113	23	30			3-1/12x2-3/4	12	12x12	30	14x6*
23	1695	2710			147	26	36			3-7/12x3	12	12x12	30	14½x8
24	2050	3280			181	26	42			4-1/12x3	12	12x16	30	14x9*
*ADD 3/4" TO BOTH DIMENSIONS														
O & S OIL BURNER (CAST IRON-ROUND) (OBSOLETE)														
101	375		1.17			18½	Dia.	28		29-1/4	13	7x10	25	9
201	600		1.84			19½	"	29		30	13	8x12	30	11
301	890		2.81			22½	"	31		33	13	6x12	30	11
151		600	1.17			19½	"	28		29-1/4	13	7x10	25	9
251		960	1.84			19½	"	29		30	13	8x12	30	11
351		1425	2.81			22½	"	31		33	13	8x12	30	11
100	375		1.17			2.68	Gu. Ft.	25		27	15	7x10	25	9
200	630		1.98			4.67	"	29		31	19	8x12	30	11
300	198		2.81			6.68	"	31		34	21	8x12	30	11
150		600	1.17			2.68	"	25		27	15	7x10	25	9
250		1000	1.98			4.67	"	29		31	19	8x12	30	11
350		1425	2.81			6.68	"	31		34	21	8x12	30	11

**OTTO BOILER CO., INC.**

Steel Water Tube Heating Boilers - Residential Series														
2428	550	148*	1.8	22	32	20½"	21"	35½"		25"x29"	14	10	30	8
2439	700	189*	2.3	28	41	20½"	30	35½"		25x40	14	10	30	10
2448	900	243*	3.0	36	53	20½"	28	35½"		25x49	14	10	30	10
2748	1100	297*	3.7	44	65	23½"	30	35½"		28x49	14	12	35	12
2760	1300	351*	4.3	52	77	23½"	32	35½"		28x61	14	12	35	14
2761	1500	405*	5.0	60	88	23½"	32	35½"		28x62	14	12	40	14
3261	1800	486*	6.0	72	108	28½"	32	40		33x62	14	14	35	15
3273	2200	594*	7.3	88	129	28½"	51	40		33x74	14	14	40	15
3285	2600	702*	8.7	104	153	28½"	58	40		33x86	14	15	40	18
4084	3000	810*	10.0	120	177	35	50	40		41x85	14	16	45	18
4090	3500	945*	11.7	140	206	35	55	45		41x91	14	16	35	20
4096	4000	1080*	13.3	160	238	35	61	45		41x97	14	17	40	20
4884	4500	1215*	15.0	180	285	43	45	45		49x85	14	18	40	20
4891	5000	1350*	16.7	200	294	43	57	45		49x92	14	18	40	22

\* 1000 Btu's.  
Rating: Net. Firing rates based on 150% of ratings.