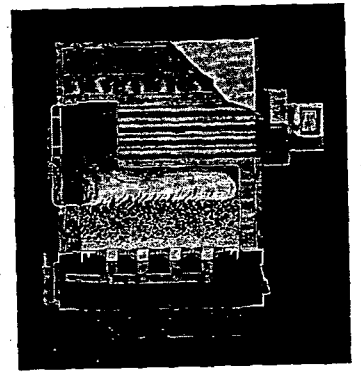
HEGGIE-SIMPLEX STEEL HEATING BOILERS—STEAM AND WATER

Boiler No.—Smokeless, Steam	134-A	134-C	134-E	140-A	140-B	140-D	140-E	147-A	147-B	147-C	152-A	152-B	152-C	152-D	157-A
Boiler No.—Direct Draft, Steam	334-A	334-C	334-E	340-A	340-B	340-D	340-E	347-A	347-B	347-C	352-A	352-B	352-C	352-D	357-A
Steam Rating...sq. ft.	1690	2110	2530	3110	3500	4120	4510	5010	5490	5960	6500	7000	7520	8040	9100
Boiler No.—Oil, Gas, or Stoker Fired, Steam	734-A	734-C	734-E	740-A	740-B	740-D	740-E	747-A	747-B	747-C	752-A	752-B	752-C	752-D	757-A
Steam Rating...sq. ft.	2060	2570	3080	3770	4250	5000	5470	6090	6660	7240	7890	8500	9130	9760	11050
Boiler No.—Smokeless, Water*	234-A	234-C	234-E	240-A	240-B	240-D	240-E	247-A	247-B	247-C	252-A	252-B	252-C	252-D	257-A
Boiler No.—Direct Draft, Water*	434-A	434-C	434-E	440-A	440-B	440-D	440-E	447-A	447-B	447-C	452-A	452-B	452-C	452-D	457-A
Water Rating...sq. ft.	2700	3380	4050	4980	5600	6590	7220	8020	8780	9540	10400	11200	12030	12860	14560
Boiler No.—Oil, Gas, or Stoker Fired, Water*	834-A	834-C	834-E	840-A	840-B	840-D	840-E	847-A	847-B	847-C	852-A	852-B	852-C	852-D	857-A
Water Rating...sq. ft.	3300	4110	4930	6030	6800	8000	8750	9740	10660	11580	12620	13600	14610	15620	17680
Heating Surface...sq. ft.	121	151	181	222	250	294	322	358	392	426	464	500	537	574	650
Grate Area...sq. ft.	8.2	10.3	10.4	12.1	13.7	13.7	13.7	14.7	16.5	16.5	18.6	18.6	20.7	20.7	22.9
Height of Water Line...in.	62¼	62¼	62¼	69¼	69¼	69¼	69¼	72½	72½	72½	78⅛	78⅛	78⅛	78⅛	81⅛
Height of Boiler...in.	72	72	72	79	79	79	79	86	86	86	91	91	91	91	97
Length of Boiler...in.	34	34	34	40	40	40	40	47	47	47	52	52	52	52	57
Width of Boiler...in.	67¼	79¼	91¼	80¼	86¼	98¼	104¼	101¼	113¼	103¼	109¼	115¼	121¼	115¼	121¼
Diameter of Breeching...in.	20	20	20	22	22	22	22	24	24	24	26	26	26	26	28
Diameter of Stack...in.	18	18	18	20	20	20	20	22	22	22	24	24	24	24	26
Minimum Height of Stack...ft.	55	55	55	60	60	60	60	65	65	65	70	70	70	70	75
Diameter of Breeching—2 Boilers...in.	28	28	28	30	30	30	30	34	34	34	38	38	38	38	40
Diameter of Stack—2 Boilers...in.	26	26	26	28	28	28	28	32	32	32	34	34	34	34	36
Minimum Height of Stack—2 Boilers...ft.	65	65	65	70	70	70	70	75	75	75	80	80	80	80	85
Size of Steam Outlet...in.	6	6	6	6	6	6	6	8	8	8	8	8	8	8	8
Size of Return...in.	3	3	3	3	3	3	3	4	4	4	4	4	4	4	4
Boiler Covering Required...sq. ft.	66	78	89	92	98	110	116	125	133	141	136	144	152	160	167
Boiler No.—Smokeless, Steam	157-C	157-D	163-A	163-B	163-C	163-D	170-A	170-B	170-C	178-A	178-C	184-A	184-C	184-E	184-G
Boiler No.—Direct Draft, Steam	357-C	357-D	363-A	363-B	363-C	363-D	370-A	370-B	370-C	378-A	378-C	384-A	384-C	384-E	384-G
Steam Rating...sq. ft.	10420	11070	12520	13360	14200	15040	16020	17020	18030	20010	22390	25000	28010	31010	34010
Boiler No.—Oil, Gas, or Stoker Fired, Steam	757-C	757-D	763-A	763-B	763-C	763-D	770-A	770-B	770-C	778-A	778-C	784-A	784-C	784-E	784-G
Steam Rating...sq. ft.	12650	13450	15200	16220	17240	18260	19450	20670	21900	24290	27180	30360	34020	37660	41290
Boiler No.—Smokeless, Water*	257-C	257-D	263-A	263-B	263-C	263-D	270-A	270-B	270-C	278-A	278-C	284-A	284-C	284-E	284-G
Boiler No.—Direct Draft, Water*	457-C	457-D	463-A	463-B	463-C	463-D	470-A	470-B	470-C	478-A	478-C	484-A	484-C	484-E	484-G
Water Rating...sq. ft.	16670	17710	20030	21380	22720	24060	25630	27230	28850	32020	35820	40000	44820	49620	54420
Boiler No.—Oil, Gas, or Stoker Fired, Water*	857-C	857-D	863-A	863-B	863-C	863-D	870-A	870-B	870-C	878-A	878-C	884-A	884-C	884-E	884-G
Water Rating...sq. ft.	20240	21520	24320	25950	27580	29220	31120	33070	35040	38860	43490	48576	54430	60260	66060
Heating Surface...sq. ft.	744	791	894	954	1014	1074	1144	1216	1288	1429	1599	1786	2001	2215	2429
Grate Area...sq. ft.	22.9	25.2	25.5	28.1	30.6	31.0	33.9	35.0	38.2	41.3					
Height of Water Line...in.	81⅜	81⅜	93	93	93	96¼	96¼	96¼	106¼	106¼					
Height of Boiler...in.	97	97	108	108	108	116	116	116	126	126					
Width of Boiler...in.	57	57	63	63	63	70	70	70	78	78					
Length of Boiler...in.	123¼	133¼	129¼	135¼	141¼	129¼	135¼	141¼	147¼	147¼					
Diameter of Breeching...in.	28	26	30	30	30	34	34	34	38	38					
Diameter of Stack...in.	26	26	28	28	28	32	32	32	36	36					
Minimum Height of Stack...ft.	75	75	75	75	75	80	80	80	90	90					
Diameter of Breeching—2 Boilers...in.	44	44	44	44	44	50	50	50	54	54					
Diameter of Stack—2 Boilers...in.	36	36	40	40	40	46	46	46	50	50					
Minimum Height of Stack—2 Boilers...ft.	85	85	85	85	85	90	90	90	100	100					
Size of Steam Outlet...in.	8	8	10	10	10	10	10	10	10	10					
Size of Return...in.	4	4	5	5	5	5	5	5	5	5					
Boiler Covering Required...sq. ft.	184	193	197	206	215	224	230	240	250	258	281	291	314	337	361

*Supply outlets and return openings on Water Boilers—furnished as specified on contractor's order; in sizes 2, 3, 4, 5, 6, 8 and 10 in.

Heggie-Simplex Jacketed Steel Boilers Establish New Standard in Residence Heating



The same practical advantages that have made *steel* boilers the accepted standard in large buildings, now are available for houses and small buildings in the Heggie-Simplex Jacketed Boiler —at prices well within everyone's means.

It is built of steel, electrically welded. Thus, the danger of cracking, inherent in more brittle material, is avoided; and continuous, leak-proof service is assured.

Its large fuel capacity insures long firing periods. Its spacious firebox, large amount of direct heating surface, tubular flues, free circulation, and deep steam space afford unparalleled efficiency. It is economical and equally as well adapted to hard coal, soft coal, coke, gas or oil; and to hand or mechanical firing.

This modern boiler is simple and inexpensive to install. Ranging from 24 to 30 in. wide, even the largest size goes through any door. There are no sections to join, no headers to connect, no packing or other costly assembling operations.

Heggie-Simplex Jacketed Boilers are rated in conformity with the "Steel Heating Boiler Institute's Code for Rating Low Pressure Heating Boilers." They will not only develop these ratings but are warranted capable of handling substantial overloads with ease.

HEGGIE-SIMPLEX JACKETED BOILERS
For Hard Coal or Coke, and for Oil, Gas or Stoker Firing†

Boiler No. With Jacket	Steam Rating Hard Coal or Coke	Boiler No. With Jacket	Steam Rating Oil, Gas or Stoker Firing	Boiler No. With Jacket	Water Rating Hard Coal or Coke	Boiler No. With Jacket	Water Rating Oil, Gas or Stoker Firing	Heating Surface Sq. Ft.	Grate Area Sq. Ft.	Diam. Stack Req'd In.	Height Stack Req'd Ft.	Size* Outlet In.	Size* Return In.
2SJ1	370	2SCJ1	540	2WJ1	590	2WCJ1	860	32	2.6	10	30	3	3
2SJ2	510	2SCJ2	680	2WJ2	820	2WCJ2	1090	40	3.5	10	30	3	3
2SJ3	670	2SCJ3	820	2WJ3	1070	2WCJ3	1310	48	4.3	10	30	3	3
2SJ4	800	2SCJ4	970	2WJ4	1280	2WCJ4	1550	57	5.1	10	30	3	3
2SJ5	950	2SCJ5	1160	2WJ5	1490	2WCJ5	1860	68	5.8	12	40	4	4
2SJ6	1110	2SCJ6	1340	2WJ6	1780	2WCJ6	2140	79	6.0	12	40	4	4
2SJ7	1300	2SCJ7	1580	2WJ7	2080	2WCJ7	2530	93	7.0	12	40	4	4
2SJ8	1480	2SCJ8	1800	2WJ8	2370	2WCJ8	2880	106	7.8	12	40	4	4
2SJ9	1620	2SCJ9	1970	2WJ9	2590	2WCJ9	3150	116	7.9	14	50	5	5
2SJ10	1830	2SCJ10	2230	2WJ10	2930	2WCJ10	3570	131	9.0	14	50	5	5

*One Outlet and Return Opening furnished with Water Boilers, unless otherwise specified; two of each supplied on request without additional charge.
†Equipped with 2 in. flues.

For Soft Coal‡

Boiler No. With Jacket	Steam Rating Soft Coal	Boiler No. With Jacket	Water Rating Soft Coal	Heating Surface Sq. Ft.	Grate Area Sq. Ft.	Diameter Stack Required In.	Height Stack Required Ft.	Size* Outlet In.	Size* Return In.
3SJ1	370	3WJ1	590	30	2.6	10	30	3	3
3SJ2	510	3WJ2	820	38	3.5	10	30	3	3
3SJ3	630	3WJ3	1010	45	4.3	10	30	3	3
3SJ4	740	3WJ4	1180	53	5.1	10	30	3	3
3SJ5	840	3WJ5	1340	60	5.8	12	40	4	4
3SJ6	980	3WJ6	1570	70	6.0	12	40	4	4
3SJ7	1160	3WJ7	1860	83	7.0	12	40	4	4
3SJ8	1300	3WJ8	2080	93	7.8	12	40	4	4
3SJ9	1370	3WJ9	2180	98	7.9	14	50	5	5
3SJ10	1570	3WJ10	2510	112	9.0	14	50	5	5

*One Outlet and Return Opening furnished with Water Boilers, unless otherwise specified; two of each supplied on request without additional charge.
‡Equipped with 3 in. flues.