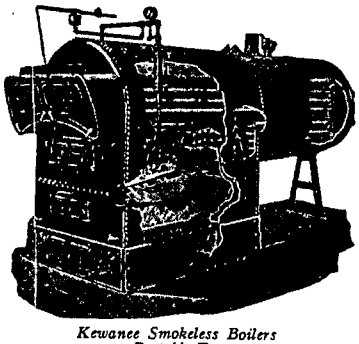


Kewanee Firebox Boilers Brick-set Type



Kewanee Smokeless Boilers Portable Type

KEWANEE BOILER CORPORATION

Kewanee, Illinois

BRANCHES IN 64 PRINCIPAL CITIES

Steel Heating and Power Boilers, Water Heating Garbage Burners, Tabasco Heaters and Tanks.

KEWANEE STEEL HEATING BOILERS

Kewanee offers a dependable line of Steel Boilers built for heating every size building, with high efficiency, burning any kind of fuel. There are 350 standard sizes of Kewanee Boilers most of which are kept in stock, ready for immediate delivery.

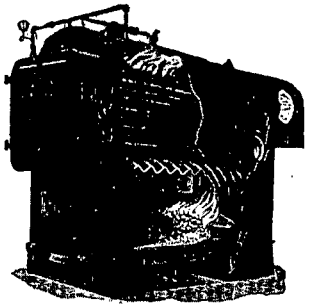
Sixty-nine years of intensive study and effort are back of Kewanee Boiler designs. They are all constructed in our extensively equipped factory at Kewanee, Illinois, in conformity with these Codes: *American Society of Mechanical Engineers* for construction, and for rating with the *Steel Heating Boiler Institute* Simplified Practice.

The Kewanee series include:

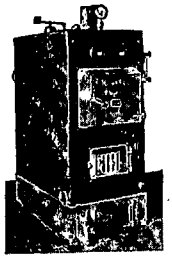
HEAVY DUTY RIVETED FIREBOX TYPES: *1,240 ft to 42,500 ft. Brickset and portable settings, Updraft and Downdraft Smokeless Furnace, Single-pass tubes for rear smoke outlet; Two-pass tubes for front smoke outlet.*

WELDED BOILERS: *2,200 ft to 42,500 ft. Direct Draft or Smokeless Arch with Corrugated Crown Sheet. Rear Smoke outlet and Weld+Rivet for front Smoke outlet.*

RESIDENCE STEEL BOILERS: *320 ft to 2,924 ft. Square and Round Type "R" with and without Jackets and Hot Water Heating Coils for Storage Tank or Instantaneous flow.*



Kewanee Welded Type C Boilers



Kewanee Residence Square Type R Boilers

SPECIFICATIONS—BRICK-SET AND TYPE "K" PORTABLE UP-DRAFT BOILERS

Table for two series of Boilers lists maximum dimension only.

Boiler No.	3 3K	4 4K	5 5K	6 6K	8 8K	9 9K	10 10K	11 11K	12 12K	13 13K	14 14K	15 15K	16 16K	17 18K	18 20K	19	20
Rated Steam Capacity:																	
Coal.....Sq Ft	1240	1380	1800	2200	3000	3500	4000	4500	5000	6000	7000	8500	10000	12500	15000	17500	20000
Oil, Gas or Stoker.....Sq Ft	1770	2020	2190	2680	3650	4250	4860	5470	6080	7290	8500	10330	12150	15180	18220	21250	24290
Width and Length...In. x Ft In.	30x9-10	36x8-10	36x10-4	36x11-10	42x11-4	42x12-10	48x11-10	48x13-4	48x14-10	54x15-3	54x17-9	60x17-0	60x19-6	66x19-6	72x19-6	72x16-0	72x18-0
Overall Height.....In.	59	65	65	65	71	71	77	77	77	83	83	93	93	99	105	107	107
Height of Water Line.....In.	52	55	55	55	58½	58½	61	61	61	66	66	75	75	80	85½	85½	85½
Approximate Weight: Coal....Lb	3500	3900	4200	4700	5700	6400	7000	7600	8200	9500	10700	12600	14500	17600	20700	19400	21900
Oil.....Lb	3130	3550	3800	4200	5100	5800	6400	6900	7400	8600	9700	11500	13300	16100	19100	17700	20000

Rated Capacity for Water Boiler is 60 per cent greater than Capacity for Steam Boiler.

SPECIFICATIONS—SMOKELESS DOWN-DRAFT BOILER

Boiler No.	376	377	378	379	380	381	382	383	384	385	386	387	388	389	390
Rated Steam Capacity:															
Coal.....Sq Ft	3500	4000	4500	5000	6000	7000	8500	10000	12500	15000	17500	20000	25000	30000	35000
Oil, Gas or Stoker.....Sq Ft	4250	4860	5470	6080	7290	8500	10330	12150	15180	18220	21250	24290	30360	36430	42500
Width and Length.....In. x Ft In.	42x8-3	42x9-3	48x8-7½	48x9-5	54x11-2½	54x12-11	60x12-8½	60x14-9	66x14-11	66x17-4	72x16-5	78x17-0½	78x20-7½	84x19-11	84x22-8
Overall Height.....In.	80	80	86	86	94	94	101	101	107	107	113	115	115	125	125
Height of Water Line.....In.	70	70	73	73	78	78	85	85	88½	88½	94½	95	95	107½	107½
Approximate Weight: Coal.....Lb	6800	7500	8100	8800	10000	11100	13600	15300	18000	20500	22900	25100	29500	33600	37500
Oil.....Lb	6200	6900	7400	8000	9100	10100	12500	14100	16500	18900	21200	23200	27500	31500	35200

SPECIFICATIONS—PORTABLE UP-DRAFT BOILER

Boiler No.	576	577	578	579	580 480	581 481	582 482	583 483	584 484	585 485	586 486	587 487	588 488	589 489	590 490
Rated Steam Capacity:															
Coal.....Sq Ft	3500	4000	4500	5000	6000	7000	8500	10000	12500	15000	17500	20000	25000	30000	35000
Oil, Gas or Stoker.....Sq Ft	4250	4860	5470	6080	7290	8500	10330	12150	15180	18220	21250	24290	30360	36430	42500
Width and Length.In. x Ft In.	42x8-7	42x9-6½	48x8-10	48x9-6½	54x11-5	54x13-1½	60x13-4½	60x15-5½	66x15-6½	66x18-0½	72x17-0	78x17-7½	78x21-3½	84x20-7	84x23-4
Overall Height.....In.	80	80	86	86	94	94	101	101	107	107	113	115	115	125	125
Height of Water Line.....In.	70	70	74½	74½	81	81	86	86	89	89	96	97	97	109	109
Approximate Weight: Coal.Lb	6100	6700	7300	7900	10200	11400	13300	14800	17300	19700	22000	24200	29400	32300	36100
Oil...Lb	5500	6100	6600	7100	9300	10400	12200	13600	15800	18100	20300	22300	26400	30200	33800

SPECIFICATIONS—TYPE "C" WELDED BOILER

*Boiler No.	2773	774 2774	775 2775	776 2776	777 2777	778 2778	779 2779	780 2780	781 2781	782 2782	783 2783	784 2784	785 2785	786 2786	787 2787	788 2788	789 2789	790 2790
Rated Steam Capacity:																		
Coal.....Sq Ft	2200	2600	3000	3500	4000	4500	5000	6000	7000	8500	10000	12500	15000	17500	20000	25000	30000	35000
Oil, Gas or Stoker.Sq Ft	2680	3160	3650	4250	4860	5470	6080	7290	8500	10330	12150	15180	18220	21250	24290	30360	36430	42500
Width & Length, In.xFt in.	36x5-10	36x6-4	36x6-10	36x7-8½	42x7-10½	42x8-6½	42x9-2	48x9-4½	48x10-7	54x9-11	54x11-2½	60x11-6½	66x12-3½	72x12-1½	72x13-4½	78x14-9½	84x14-2½	84x15-11½
Overall Height.....In.	77½	77½	77½	77½	83½	83½	83½	86½	86½	99	99	108½	112	118	118	122	135	135
Height of Water Line..In.	69	69	69	69	72	72	72	73	73	85	85	94	95	101	101	103	114	114
Approximate Weight:																		
700 Series, Coal.....Lb	....	3900	4400	5000	5500	6000	6500	7500	8400	9700	11000	12900	14900	16600	18400	22000	25200	28400
2700 Series, Coal....Lb	3400	3800	4300	4800	5300	5800	6300	7200	8100	9400	10600	12500	14400	16100	17900	21200	24400	27500
Oil.....Lb	2900	3300	3700	4100	4600	5000	5400	6100	6900	8000	9100	10700	12300	13800	15400	18100	20900	23400

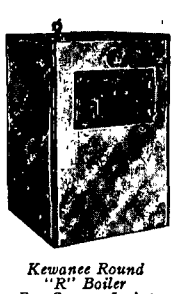
*Boiler Series 1773-1790 for Oil, Gas, Stoker; Series 2773-2790 for Anthracite; Series 7L73-7L90 Hi-Firebox for Stoker, 2680 Ft to 42500 Ft.

SPECIFICATIONS—RESIDENCE SQUARE TYPE "R" BOILER ROUND "R"

*Boiler No.	742	743	745	746	747	748	734	735	736	1737
Rated Steam Capacity: Coal.Sq Ft	790	1000	1350	1600	1780	1960	320	410	550	....
Oil, Gas or Stoker.....Sq Ft	840	1120	1470	1900	2160	2380	400	540	680	900
Width and Length.....In. x In.	32x39½	32x45½	32x45½	32x51½	32x57½	32x63½	....	....	....	....
Diameter.....In.	....	....	....	....	....	....	20	23	26	26
Overall Height.....In.	59½	59½	70¼	70¼	70¼	70¼	54¾	55¼	59¼	61
Height of Water Line.....In.	48	48	58½	58½	58½	58½	44	44	46	49
Approximate Weight: Coal.....Lb	2150	2360	2800	3050	3300	3550	880	1040	1280	....
Oil.....Lb	1900	2060	2500	2730	2920	3125	800	920	1130	1400
Standard Jacket, Crated....Lb	205	225	175	190	200	225	....	190	215	....

Boiler No., Square "R" Oil or Gas	83R1	83R2	83R3	83R4	83R6	83R7	83R8	83R9
Rated Steam Capacity.....Sq Ft	901	1105	1326	1513	2091	2363	2652	2924
Approximate Weight with Jacket.....Lb	1600	1800	2000	2200	2800	2900	3100	3300

*Boiler Series 1742-1748, 1734-1737 for Oil, Gas or Stoker; 2742-2748, 2734-2736 for Anthracite. Kewanee Indirect Hot Water Heating Coils for Type C, Square and Round "R" Boilers; 140 sizes, 65 to 4500 Gal.

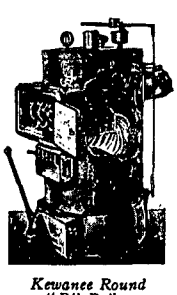


Kewanee Round "R" Boiler Rex Square Jacket

Kewanee Round "R" and Square Type "R" Residence Heating Boilers for all fuels.

Standard snug fitting jackets or Regal, Regal-Square styles for completely enclosing burners are available for Round "R" and 83R.

Hot Water Copper Coil. 65-75 gal comes with Round "R". Capacities up to 720 may be ordered for Square and 83R Boilers.



Kewanee Round "R" Boiler