

Effective January 18, 1937

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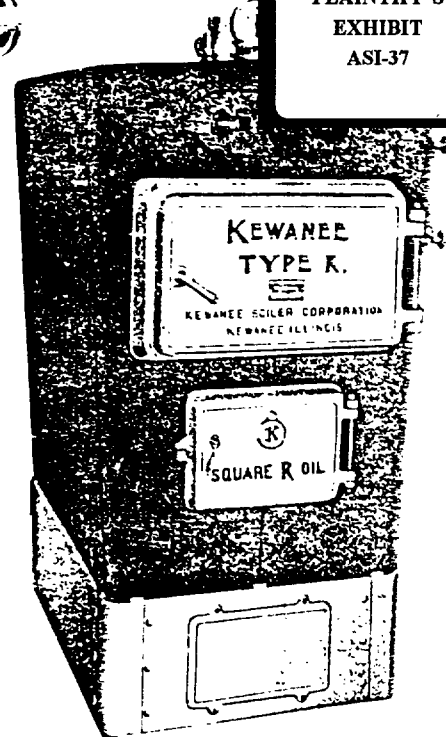
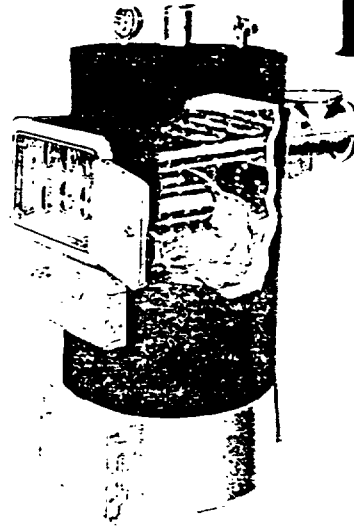
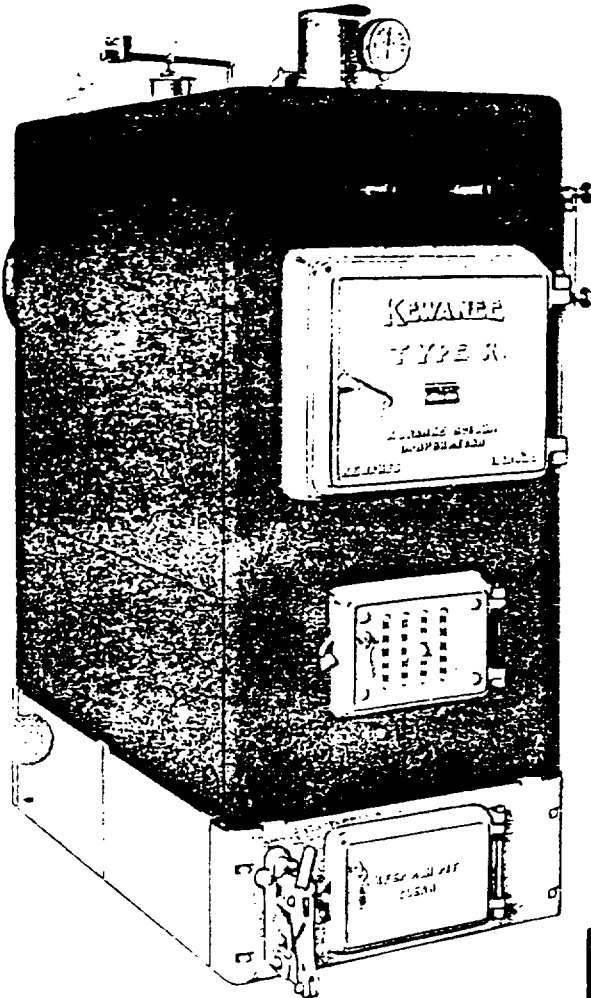
KEWANEE

ROUND
&
SQUARE

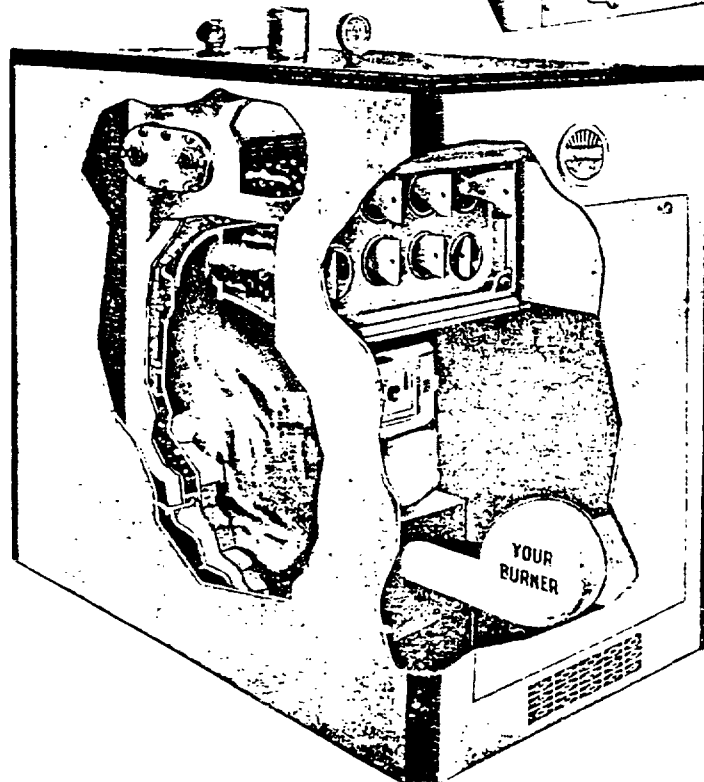
TYPE R

BOILERS

PLAINTIFF'S
EXHIBIT
ASI-37



IN
Round
SQUARE
OR
SMARTLINE
JACKETS



TRADE PRICES

Effective January 18, 1937

KEWANEE INDIRECT HOT WATER HEATING COILS

For STORAGE TANK Operation

SINGLE COIL						DOUBLE COIL					
Coil No. and Size	RATED CAPACITY Gallons Heated 40° to 140° in 3 Hrs. In Boiler Water		Surface Sq. Ft.	Number of Baths or Apart- ments	Trade Price Installed	Coil No. and Size	RATED CAPACITY Gallons Heated 40° to 140° in 3 Hrs. In Boiler Water		Surface Sq. Ft.	Number of Baths or Apart- ments	Trade Price Installed
	212° F	180° F					212° F	180° F			
S6-24	90	55	3.0	1-3	\$23.80	D6-24	180	110	6.0	6	\$34.60
S6-30	120	70	3.8	4	27.40	D6-30	240	145	7.6	8	41.80
S6-36	150	90	4.6	5	31.00	D6-36	300	180	9.1	10	49.00
S6-42	180	110	5.4	6	34.60	D6-42	360	215	10.7	12	53.80
S6-48	210	125	6.2	7	38.20	D6-48	420	250	12.3	14	58.60
S6-54	240	145	6.9	8	41.80	D6-54	480	290	13.9	16	63.40
S6-60	270	160	7.7	9	45.40	D6-60	540	325	15.4	18	68.20
S6-66	300	180	8.5	10	49.00	D6-66	600	360	17.0	20	73.00
S6-72	330	200	9.3	11	51.40	D6-72	660	395	18.6	22	77.80
S6-78	360	215	10.1	12	53.80	D6-78	720	430	20.1	24	82.60
S6-84	390	235	10.9	13	56.20	D6-84	780	470	21.7	26	87.40
S6-90	420	250	11.7	14	58.60	D6-90	840	505	23.3	28	92.20
S6-96	450	270	12.4	15	61.00	D6-96	900	540	24.9	30	97.00
S6-102	480	290	13.2	16	63.40	D6-102	960	575	26.4	32	101.80
S6-108	510	305	14.0	17	65.80	D6-108	1020	610	28.0	34	106.60
S6-114	540	325	14.8	18	68.20	D6-114	1080	650	29.6	36	111.40
S6-120	570	340	15.6	19	70.60	D6-120	1140	685	31.2	38	116.20
S8-24	120	70	3.9	4	27.40	D8-24	240	145	7.7	8	41.80
S8-30	160	95	5.0	5-6	32.20	D8-30	320	190	9.9	8-11	50.60
S8-36	200	120	6.0	6-7	37.00	D8-36	400	240	11.9	11-14	57.00
S8-42	240	145	7.0	8	41.80	D8-42	480	290	14.0	16	63.40
S8-48	280	170	8.1	9-10	46.40	D8-48	560	335	16.1	16-19	69.80
S8-54	320	190	9.1	10-11	50.60	D8-54	640	385	18.2	19-21	76.20
S8-60	360	215	10.2	12	53.80	D8-60	720	430	20.3	24	82.60
S8-66	400	240	11.2	13-14	57.00	D8-66	800	480	22.4	24-27	89.00
S8-72	440	265	12.3	14-15	60.20	D8-72	880	530	24.5	27-30	95.40
S8-78	480	290	13.3	16	63.40	D8-78	960	575	26.6	32	101.80
S8-84	520	310	14.4	16-18	66.60	D8-84	1040	625	28.7	32-35	108.20
S8-90	560	335	15.4	18-19	69.80	D8-90	1120	670	30.8	35-38	114.60
S8-96	600	360	16.5	20	73.00	D8-96	1200	720	32.9	40	121.00
S8-102	640	385	17.5	20-22	76.20	D8-102	1280	770	35.0	40-43	127.40
S8-108	680	410	18.6	22-23	79.40	D8-108	1360	815	37.1	43-46	133.80
S8-114	720	430	19.6	24	82.60	D8-114	1440	865	39.2	48	140.20
S8-120	760	455	20.7	24-26	85.80	D8-120	1520	910	40.3	48-51	146.60

S6-36 means Single row of 6 pipes 36" long. D8-42 means Double rows of 8 pipes 42" long.

SL6-36 and DL8-42 mean Long Terminal coils for 83R boilers.

Capacity data and prices for SL and DL coils are same as for S and D coils of identical sizes.

Short Terminal S6, D6, S8, D8 also DN coils are interchangeable in all boilers including 83R 1X and 2X series.

Long Terminal SL, DL and QN, TN coils are interchangeable only in 83R boilers 3X series and later.

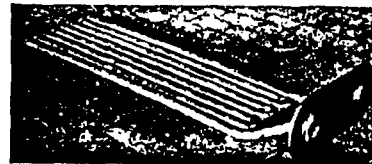
Instantaneous Tankless Flow DN and QN, TN coils listed on reverse side of sheet.

0-300 gal. 13+.12 gal.
Over 300 gal. 25+.08 gal.

LARGE VOLUME UNITS

Unit No.	RATED CAPACITY Gallons Heated 40° to 140° in 3 Hrs. In Boiler Water		Number of Baths or Apart- ments	Trade Price Installed
	212° F	180° F		
2D8-66	1600	960	50-53	\$153.00
2D8-78	1800	1080	53-60	169.00
2D8-84	2000	1200	60-67	185.00
2D8-90	2200	1320	67-74	201.00
2D8-96	2400	1440	74-80	217.00
2D8-102	2600	1560	80-87	233.00
2D8-103	2800	1680	87-94	249.00
3D8-84	3000	1800	94-100	265.00
3D8-90	3300	1980	110	289.00
3D8-96	3600	2160	120	313.00
3D8-102	3900	2340	130	337.00
3D8-108	4200	2520	140	361.00
3D8-120	4500	2700	150	385.00

KEWANEE INDIRECT COIL FOR HEATING DOMESTIC HOT WATER.



Note substantial fittings and generous size piping.

Single and Double Hot Water Coil Assembly consists of—Copper tubing brazed into bronze fittings, brass bolted, ends tapped standard pipe thread. Locknuts with ring gaskets. Boiler steel mounting plate. Full face sheet rubber gasket. Twelve cadmium plated cap screws. Pressed steel frame.

Any Coils shorter than the maximum lengths listed on reverse side may be substituted in each boiler where less hot water capacity is required.

Boiler ratings do not include allowance for heating domestic water by Indirect Coils. Allow ½ sq. ft. of steam radiation, or .8 sq. ft. of water radiation for each gallon of water heated.

For GRAVITY CIRCULATION with STORAGE TANK, capacity as listed above is the number of gallons raised 100° from 40° to 140° in 3 hrs. For summer use, and with intermittently fired fuels, use capacity listed with 180° Boiler Water.

FOR MAXIMUM LENGTH AND NUMBER OF COILS WHICH CAN BE INSTALLED SEE REVERSE SIDE OF SHEET

TRADE PRICES

Effective January 18, 1937

KEWANEE INDIRECT HOT WATER HEATING COILS

For INSTANTANEOUS FLOW

FOR SQUARE TYPE "R" BOILERS ONLY					
Coil No.	RATED CAPACITY Gallons Heated 40°-140° in 180° Boiler Water		Surface Sq. Ft.	Number of Baths or Apart- ments	Trade Price Installed
	In 1 Hr.	In 1 Min.			
DN1	185	3.1	12.3	1	\$54.60
DN2	240	4.0	15.9	6	63.40
DN3	295	4.9	19.5	12	72.20
DN4	350	5.8	23.1	18	81.00
DN7	400	6.7	26.7	23	89.00
DN8	450	7.5	30.3	28	97.00
DN9	510	8.5	33.9	34	106.60

FOR 83R BOILERS ONLY					
Coil No.	RATED CAPACITY Gallons Heated 40°-140° in 180° Boiler Water		Surface Sq. Ft.	Number of Baths or Apart- ments	Trade Price Installed
	In 1 Hr.	In 1 Min.			
TN1 QN1	185 240	3.1 4.0	12.4 15.9	1 6	\$54.60 63.40
TN2 QN2	240 310	4.0 5.2	15.8 20.5	6 12	63.40 74.60
TN3 QN3	290 375	4.8 6.3	19.2 25.0	12 20	71.40 85.00
TN4 QN4	350 445	5.8 7.4	22.7 29.6	18 28	81.00 96.20
TN7 QN7	390 510	6.5 8.5	26.1 34.2	23 34	87.40 106.60
TN8 QN8	445 580	7.4 9.7	29.6 38.8	28 40	96.20 117.80
TN9 QN9	495 650	8.3 10.8	33.0 43.4	34 48	104.20 129.00

25±.16 gal.

25±.16 gal.

For INSTANTANEOUS Flow, capacity as listed above is the number of gallons raised 100° from 40° to 140° in 1 hour with boiler water at 180°. Boiler ratings do not include allowance for heating domestic water by Indirect Coils. When the INSTANTANEOUS Tankless hot water demand is added to the heating load for more than ten minutes in any hour, allowance of 4 sq. ft. of steam radiation or 6.4 sq. ft. of water radiation must be added for each gallon of water heated. Coils for Gravity Circulation with Storage Tank listed on front side of sheet.

MAXIMUM LENGTH AND NUMBER OF COILS FOR KEWANEE BOILERS

TYPE "C" BOILERS

For STORAGE TANK Operation			INSTANTANEOUS Flow
Boiler Number	Maximum Coil Length Inches	Maximum No. of Coils Per Boiler	Maximum Size and No. Per Boiler
773	42	1	1—DN4
774	48	1	1—DN7
775	60	1	1—DN9
776	72	1	1—DN9
777	66	2	
778	72	2	
779	84	2	
780	78	2	
781	96	2	
782	84	2	Balance
783	96	2	On
784	102	2	Application
785	120	2	
786	114	3	
787	120	3	
788	120	3	
789	120	3	
790	120	3	

SQUARE TYPE "R" BOILERS

For STORAGE TANK Operation			INSTANTANEOUS Flow
Boiler Number	Maximum Coil Length Inches	Maximum No. of Coils Per Boiler	Maximum Size and No. Per Boiler
742	36	1	1—DN3
743	42	1	1—DN4
745	42	1	1—DN4
746	48	1	1—DN7
747	54	1	1—DN8
748	60	1	1—DN9

83R OIL OR GAS BOILERS

83R1	24	1	1—TN1, or QN1
83R2	30	1	1—TN2, QN2
83R3	36	1	1—TN3, QN3
83R4	42	1	1—TN4, QN4
83R6	42	1	1—TN4, QN4
83R7	48	1	1—TN7, QN7
83R8	54	1	1—TN8, QN8
83R9	60	1	1—TN9, QN9

Refer to separate Type "R" price sheet for complete data on Coils for Square and Round Type "R" Boilers.

Refer to Catalog 88h for Data and Measurements on Square "R" Boilers with Coil assemblies and to Catalog RG-92d and C-92b Coils in Round Type "R" Boilers.

See also Information on application for Coils which can be installed in other boiler series not covered by this sheet.

When domestic hot water supply is furnished by Instantaneous type submerged heater, it is usually advisable to use a mixing valve or other reliable equipment to control the maximum temperature of water at all outlets.

Refer to current General Boiler Price Sheets for: Terms, Claims, Guarantee, etc.

Prices herein quoted supersede all prior quotations and are subject to change without notice.

KEWANEE BOILER CORPORATION KEWANEE, ILLINOIS

TRADE PRICES

Effective January 18, 1937

KEWANEE 15 Pounds Working Pressure Steel Heating Boilers Round and Square "R" Welded Boilers Indirect Hot Water Heating Coils

All prices herein quoted supersede all prior quotations and are subject to change without notice.

On occasion of any advance in the schedule of prices herein quoted, only orders actually mailed, to us or to Jobbers representing us, before such advance in price is made will be invoiced at the price effective prior to the advance.

Built to American Society of Mechanical Engineers Boiler Code

While this code is the latest ruling issued by the A.S.M.E. Code Committee to govern the construction of boilers, it is used by Kewanee only as a minimum limit. In all our boilers the construction is above the code requirements, based on our 68 years experience as to what is required to make a boiler that will give long and satisfactory service.

ALL KEWANEE BOILERS ARE UNIFORMLY RATED

Ratings are in conformity with the Steel Heating Boiler Institute's Code for Rating Low Pressure Heating Boilers.

GENERAL TERMS, GUARANTEE, ETC.

TERMS: 5 per cent discount for cash within 15 days from date of invoice or 30 days net cash. On all past-due accounts the legal rate of interest will be charged. Cash Discount on Trade Prices before addition of surcharge..

CLAIMS: As all goods are shipped at buyer's risk, they should be examined carefully before he signs railroad receipt. If transportation company tenders delivery of goods in bad order, buyer should insist on railroad agents making notation of condition on freight bills, thus enabling buyer to secure prompt payment of railroad claims which may be filed by him for value of the damaged material.

The responsibility of this Corporation ceases upon delivery of goods in good order to transportation companies. All orders are accepted subject to strikes, accidents, or other causes beyond our control.

GUARANTEE: Our goods are guaranteed only to the extent of furnishing by freight new parts for any found defective in manufacture. No claim will be allowed unless presented within 60 days after receipt of goods. Goods must not be returned except by special permission and when so returned will be subject to discount.

FREIGHT SURCHARGE

FREIGHT TERMS: The following freight terms will apply on shipments of Kewanee Low Pressure Steel Heating Boilers:

F. O. B. Kewanee with the addition of freight surcharges outlined below in cents per hundred pounds, and with an allowance of full freight to nearest railroad point of destination in zones listed.

SURCHARGE IN CENTS PER HUNDRED POUNDS

Zone	LESS CARLOAD		Weight Limit for L.C.L. Surcharge	CARLOAD	
	Surcharge	Weight		Surcharge	Weight
A.....	\$.60	Listed Weights	10000 lbs.	\$.25	Listed Weights But Not Less Than 24000 lbs.
B.....	\$.95	<i>Caution—</i> L.C.L. Surcharge Is Not to Exceed the Minimum C L. Surcharge	12630 lbs.	\$.50	
C.....	\$1.25		13400 lbs.	\$.70	
D.....	\$1.70		12700 lbs.	\$.90	
E.....	\$2.10		12570 lbs.	\$1.10	
F.....	\$2.45		12730 lbs.	\$1.30	
G.....	\$2.85		12630 lbs.	\$1.50	

STATE—	Zone	STATE—	Zone	STATE—	Zone	STATE—	Zone
ALABAMA	B	INDIANA	A	MONTANA	G	PENNSYLVANIA	A
ARIZONA	G	IOWA	B	NEBRASKA	D	RHODE ISLAND	A
ARKANSAS	C	KANSAS	D	NEVADA	G	SOUTH CAROLINA	B
CALIFORNIA	G	KENTUCKY	A	NEW HAMPSHIRE	A	SOUTH DAKOTA	D
COLORADO	F	LOUISIANA	C	NEW JERSEY	A	TENNESSEE	A
CONNECTICUT	A	MAINE	A	NEW MEXICO	F	TEXAS	E
DELAWARE	A	MARYLAND	A	NEW YORK	A	UTAH	G
DIST. OF COLUMBIA	A	MASSACHUSETTS	A	NORTH CAROLINA	B	VERMONT	A
FLORIDA	C	MICHIGAN	A	NORTH DAKOTA	D	VIRGINIA	A
GEORGIA	B	MINNESOTA	B	OHIO	A	WASHINGTON	G
IDAHO	G	MISSISSIPPI	B	OKLAHOMA	D	WEST VIRGINIA	A
ILLINOIS	A	MISSOURI	B	OREGON	G	WISCONSIN	A
						WYOMING	F

KEWANEE BOILER CORPORATION

division of American Radiator and Standard Sanitary Corporation

KEWANEE, ILLINOIS

TRADE PRICES

KEWANEE ROUND TYPE "R" STEEL HEATING BOILER

15 lbs. Steam W. P., 90 lbs. Water W. P., 135 lbs. Hydrostatic Test

This Round "R" Boiler for homes and smaller buildings is a real Kewanee, strongly built of Steel for Long Life of heavy duty performance. High Class Kewanee workmanship is reflected thruout. The refractory lined doors are smooth ground to a gas-tight finish on the heavy nes. The Two-Pass tubes give higher efficiencies, 80% and up. Additinally for oil, gas or stoker the Spinner Blades and self-actuated Draft Master have a big plus value. There is no extra charge for these.

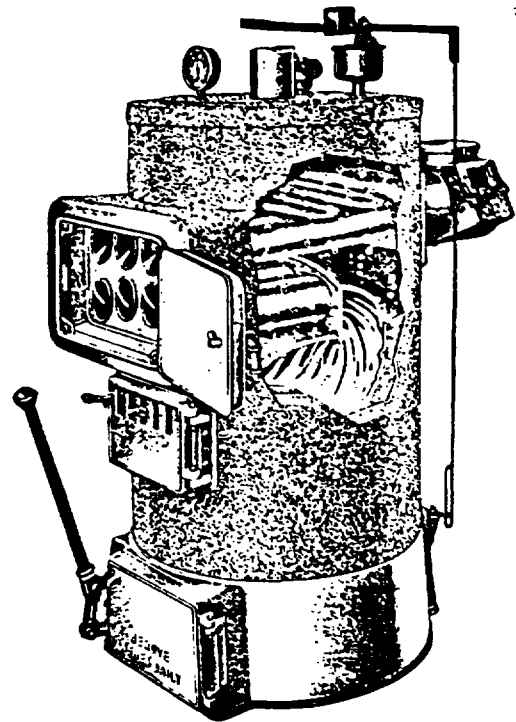
Accessibility for cleaning permits keeping the Efficiency high. The neat and pleasing Jacket which houses these dependable Type "R" Boilers may well be a deciding factor which will influence the owner to select one of our heating units for his modern basement or for wherever exterior trim is considered an essential. Kewanee offers 4 styles.

First there is our Round Jacket, a snug fitted sheathing of insulated material. Takes up less room than any other Jacket. Exactly the thing for Wood Firing or where equipment for Mechanical Firing is to be completely possible. With the new Smartline Regal Jackets complete enclosure is provided for Any Gun Type burner with our boiler. The Square-Regal Jacket is a choice for Rotary Burners, also will enclose foreshortened Burners. Or in outside assemblies, either front or rear fired, whichever is preferred, the Smartline Rex Square Jacket is available.

Only with Kewanee is this wide range of choice in Regal, Square and Round Jackets available.

Its low purchase price, low installation cost and upkeep, make the Kewanee cheaper to buy and operate than any other on the market. First it includes regular Hot Water Heating Coil for Domestic Tank Supply. A Big Coil may be ordered. And for Instantaneous Flow without Storage Tank, there is the Kewanee Instantaneous Coil.

All Kewanee Copper Coils fit inside the boiler and are interchangeable.



ROUND TYPE "R" BOILER
FOR BURNING COAL.

FOR BURNING COAL

BITUMINOUS COAL 735-736 SERIES								ANTHRACITE COAL OR COKE 2735-2736 SERIES										
Boiler No	RATED CAPACITY		RECOMMENDED NET LOAD SQ. FT. EDR		TRADE PRICE to which Surcharge must be Added		Weight upon which Surcharge is based	DEDUCTIONS FOR OMITTING REGULAR PARTS										
	Steam	Water	Steam	Water	Steam	Water		Safety Valve	Steam or Altitude Gauge	Damper Regulator	Water Gauge and Gauge Cocks	COMPLETE TRIMS		GRATES		BASE		
												Steam	Water	Price	Weight	Price	Weight	
—UNJACKETED																		
35	410	660	320	512	\$121.	\$118.	1040	\$1.00	\$2.00	\$3.00	\$2.00	\$8.00	\$5.00	\$3.50	75	\$6.50	145	
36	550	880	423	677	143.	140.	1280	1.00	2.00	3.00	2.00	8.00	5.00	4.50	100	7.00	155	
—WITH ROUND JACKET																		
35-J	410	660	320	512	\$136.	\$133.	1230	\$1.00	\$2.00	\$3.00	\$2.00	\$8.00	\$5.00	\$3.50	75	\$6.50	145	
36-J	550	880	423	677	161.	158.	1495	1.00	2.00	3.00	2.00	8.00	5.00	4.50	100	7.00	155	

SEE FIRST PAGE FOR SURCHARGE WHICH MUST ALWAYS BE ADDED TO TRADE PRICE.
Tools furnished with Boilers for Coal consist of Poker, Soot Scraper, and Flue Brush. If omitted deduct \$1.00.

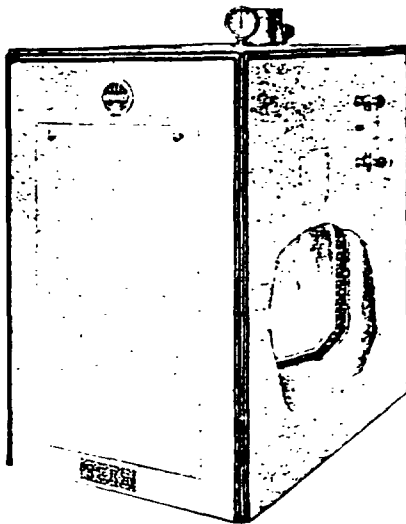
KEWANEE INDIRECT HOT WATER HEATING COILS

Boiler Number	For STORAGE TANK Operation						For INSTANTANEOUS Flow					
	Coil Size	RATED CAPACITY Gallons Heated 40° to 140° in 3 Hrs. in Boiler Water		Surface Sq. Ft.	Add to Trade Price		Coil Size	RATED CAPACITY Gallons Heated 40°-140° in 180° Boiler Water		Surface Sq. Ft.	Add to Trade Price	
		212° F	180° F					In 1 Hr	In 1 Min.			
734	F-34	65	40	2.0	Is Regular Equipment		DN-35	170	2.9	11.4	\$21.00	
	B-34	95	60	3.0	\$ 5.00							
735 & 736	F	75	45	2.3	Is Regular Equipment		DN-36	190	3.2	12.9	\$23.00	
	B	110	65	3.5	\$ 6.00							
	DB-35	170	100	5.6	\$10.00							
736	DB-36	200	120	6.6	\$12.00							

TRADE PRICES

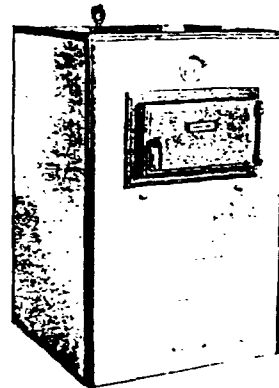
KEWANEE ROUND TYPE "R" STEEL HEATING BOILER

15 lbs. Steam W. P., 90 lbs. Water W. P., 135 lbs. Hydrostatic Test

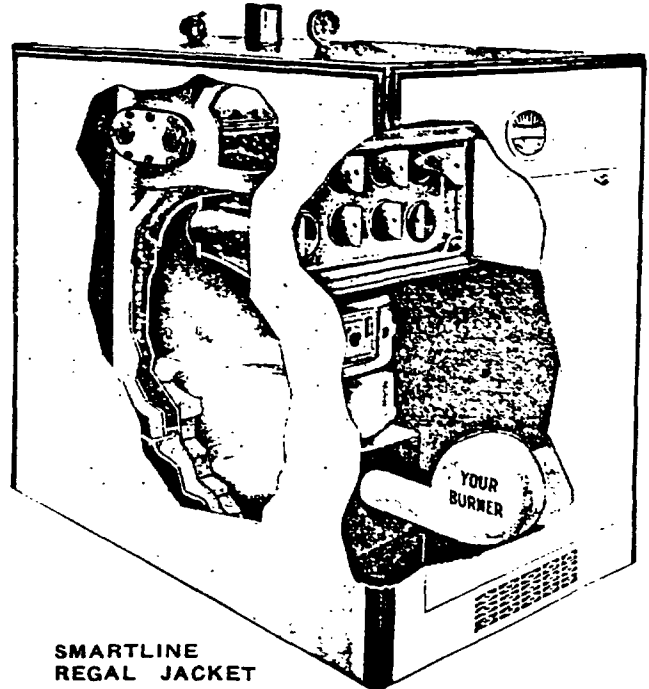


**SMARTLINE
SQUARE-REGAL JACKET**

PROVIDES COMPLETE ENCLOSURE
WITH ANY ROTARY BURNER, AND
WITH ANY FORESHORTENED GUN
TYPE BURNER.



**SMARTLINE
REX SQUARE JACKET**
FOR ANY BURNER.



**SMARTLINE
REGAL JACKET**

WITH EXTENSION PANEL, PROVIDES COMPLETE
ENCLOSURE FOR ANY GUN TYPE BURNER.

FOR OIL, GAS OR STOKER

OIL OR GAS 1734-1735-1736 SERIES								STOKER 0735-0736 SERIES						
Boiler No.	RATED CAPACITY		RECOMMENDED NET LOAD SQ. FT. EDR.		TRADE PRICE to which Surcharge must be Added		Weight upon which Surcharge is based	DEDUCTIONS FOR OMITTING REGULAR PARTS						
	Steam	Water	Steam	Water	Steam	Water		Safety Valve	Steam or Altitude Gauge	Water Gauge and Gauge Cocks	COMPLETE TRIMS		BASE	
											Steam	Water	Price	Weight
—UNJACKETED														
1734	400	640	400	640	\$ 93.	\$ 90.	800	\$1.00	\$2.00	\$2.00	\$5.00	\$2.00	\$3.50	50
1735	540	860	540	860	110.	107.	920	1.00	2.00	2.00	5.00	2.00	6.50	145
1736	680	1090	680	1090	132.	129.	1130	1.00	2.00	2.00	5.00	2.00	7.00	155
—WITH ROUND JACKET														
1735-J	540	860	540	860	\$125.	\$122.	1110	\$1.00	\$2.00	\$2.00	\$5.00	\$2.00	\$6.50	145
1736-J	680	1090	680	1090	150.	147.	1345	1.00	2.00	2.00	5.00	2.00	7.00	155
—WITH REX SQUARE JACKET														
1734-M	400	640	400	640	\$110.	\$107.	1000	1.00	2.00	\$2.00	\$5.00	\$2.00	\$3.50	50
1735-M	540	860	540	860	130.	127.	1130	1.00	2.00	2.00	5.00	2.00	6.50	145
1736-M	680	1090	680	1090	155.	152.	1370	1.00	2.00	2.00	5.00	2.00	7.00	155
—WITH SQUARE-REGAL JACKET														
1734-MQ	400	640	400	640	\$120.	\$117.	1100	\$1.00	\$2.00	\$2.00	\$5.00	\$2.00	\$3.50	50
1735-MQ	540	860	540	860	140.	137.	1200	1.00	2.00	2.00	5.00	2.00	6.50	145
1736-MQ	680	1090	680	1090	165.	162.	1450	1.00	2.00	2.00	5.00	2.00	7.00	155
—WITH REGAL JACKET														
1734-MG	400	640	400	640	\$130.	\$127.	1200	\$1.00	\$2.00	\$2.00	\$5.00	\$2.00	\$3.50	50
1735-MG	540	860	540	860	150.	147.	1300	1.00	2.00	2.00	5.00	2.00	6.50	145
1736-MG	680	1090	680	1090	175.	172.	1500	1.00	2.00	2.00	5.00	2.00	7.00	155

SEE FIRST PAGE FOR SURCHARGE WHICH MUST ALWAYS BE ADDED TO TRADE PRICE.

Plus Surcharge is only to be added when Boiler for Oil, Gas or Stoker. Equipment and Trimmings for all fuels, given on page 7.

TRADE PRICES

KEWANEE SQUARE TYPE "R" WELDED BOILER

BITUMINOUS COAL 742- 748 SERIES
ANTHRACITE COAL OR COKE 2742-2748 SERIES

ED CAPACITY		RECOMMENDED NET LOAD SQ. FT. EDR.		Boiler No.	TRADE PRICE		Weight upon which Surcharge is based	Boiler No.	TRADE PRICE		Weight upon which Surcharge is based	DEDUCTIONS FOR OMITTING					
					to which Surcharge must be added				to which Surcharge must be Added			COMPLETE TRIMS		GRATES		CAST IRON BASE	
am	Water	Steam	Water		Steam	Water			Steam	Water		Steam	Water	Price	Weight	Price	Weight
—UNJACKETED																	
0	1260	605	968	742	\$255.	\$252.	2150	742-J	\$290.	\$287.	2355	\$10.00	\$7.00	\$7.00	165	\$15.00	335
0	1600	770	1232	743	272.	269.	2360	743-J	309.	306.	2585	10.00	7.00	8.00	200	16.00	360
0	2160	1035	1656	745	300.	296.	2800	745-J	340.	336.	2975	11.00	7.00	9.00	215	17.00	370
0	2560	1230	1968	746	321.	317.	3050	746-J	362.	358.	3240	11.00	7.00	10.00	250	19.00	415
0	2850	1370	2192	747	335.	331.	3300	747-J	378.	374.	3500	11.00	7.00	11.00	285	20.00	440
0	3140	1515	2424	748	384.	380.	3550	748-J	429.	425.	3775	11.00	7.00	12.00	320	22.00	485
—JACKETED																	

OIL OR GAS 1742-1748 SERIES
STOKER 0742-0748 SERIES

ED CAPACITY	RECOMMENDED NET LOAD SQ. FT. EDR.		Boiler No.	TRADE PRICE to which Surcharge must be Added		Weight upon which Surcharge is based	Boiler No.	TRADE PRICE to which Surcharge must be Added		Weight upon which Surcharge is based	DEDUCTIONS FOR OMITTING					
											COMPLETE TRIMS		CAST IRON BASE			
am	Water			Steam	Water			Steam	Water		Steam	Water	Price	Weight		
—UNJACKETED																
0	1340	645	1032	1742	\$226.	\$223.	1900	1742-J	\$261.	\$258.	2105	\$5.00	\$2.00	\$15.00		335
0	1790	860	1376	1743	246.	243.	2060	1743-J	283.	280.	2285	5.00	2.00	16.00		360
0	2350	1130	1808	1745	270.	266.	2500	1745-J	310.	306.	2675	6.00	2.00	17.00		370
0	3040	1500	2400	1746	300.	296.	2730	1746-J	341.	337.	2920	6.00	2.00	19.00		415
0	3460	1670	2672	1747	318.	314.	2920	1747-J	361.	357.	3120	6.00	2.00	20.00		440
0	3810	1843	2949	1748	350.	346.	3125	1748-J	395.	391.	3345	6.00	2.00	22.00		485

SEE FIRST PAGE FOR SURCHARGE WHICH MUST ALWAYS BE ADDED TO TRADE PRICE.

DEDUCTIONS: Safety Valve, Boilers 742-3....\$1.00 745-8....\$2.00 Damper Regulator....\$5.00
Water Gauge and Gauge Cocks....\$2.00 Steam or Altitude Gauge....\$2.00

TRIMMINGS—for Coal:

Steam Trimmings consist of Safety Valve, Steam Gauge, Damper Regulator, Water Gauge, Glass and Gauge Cocks.

Hot Water Boiler trimmings consist of Combination Altitude Gauge and Thermometer, also Damper Regulator.

—for Oil, Gas or Stoker:

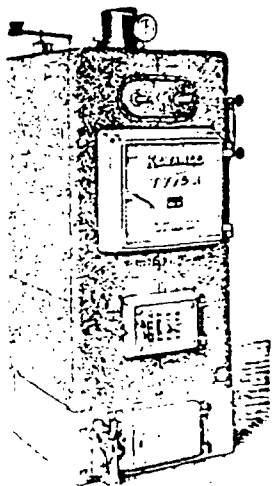
Steam Trimmings consist of Safety Valve, Steam Gauge, Water Gauge, Glass and Gauge Cocks.

Combination Altitude Gauge and Thermometer only trimming furnished with Hot Water Boilers.

TOOLS— —for Coal: Tools furnished consist of Hoe, Poker, Soot Scraper and Flue Brush. If omitted deduct \$2.00.

—for Oil, Gas or Stoker: A Flue Brush is only tool furnished.

All Jacketed Boilers have indestructible baked enamel steel jacket, lined with multi-ply improved asbestocel insulation. Knock-out discs are provided in Jackets opposite boiler openings. Additions for Extra Equipment listed on back page 8.



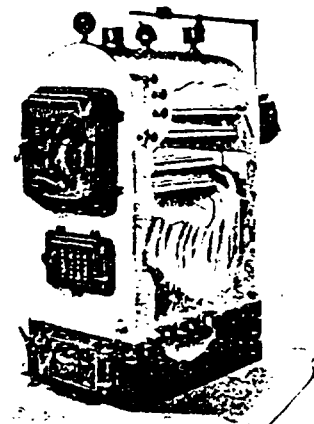
SQUARE TYPE "R" BOILERS FOR ALL FUELS

TWO-PASS TUBES AND CAST IRON BASE.
TWO-WAY SMOKEHOOD FOR BURNING COAL.

FOR OIL, GAS OR STOKER, SPINNER BLADES INCLUDED.
STEEL BASE MAY BE SUBSTITUTED FOR CAST IRON.
TWO-WAY DRAFT ADJUSTER, REVERSIBLE FOR TOP OR
END OUTLET, HAS 1-5/16" DIAMETER STACK/STAT OPENING.
TAPPED OPENING EITHER SIDE OF SHELL CAN BE USED
FOR AQUASTAT.

KEWANEE INDIRECT HOT WATER HEATING COIL

may be furnished on all Square
"R" Boilers at extra cost, listed
page 8. All have coil opening,
and a tapped each side for Ex-
ternal water heater.



TRADE PRICES

KEWANEE SQUARE "R" OIL OR GAS BOILER

83 "R" OIL OR GAS SERIES

RATED CAPACITY		RECOMMENDED NET LOAD SQ. FT. EDR.		Boiler No.	TRADE PRICE to which Surcharge must be Added		Weight upon which Surcharge is based	Boiler No.	TRADE PRICE to which Surcharge must be Added		Weight upon which Surcharge is based	Boiler No.	TRADE PRICE to which Surcharge must be Added		Weight upon which Surcharge is based	DEDUCT FOR OMITTING										
Steam	Water	Steam	Water		Steam	Water			Steam	Water			Steam	Water		COMPLETE TRIMS	STEEL BASE	Price	Weight							
—UNJACKETED																			—JACKETED				—REGAL JACKET			
901	1441	901	1441	83R1	\$161.	\$158.	1135	83R1-J	\$198.	\$195.	1300	83R1-G	\$218.	\$215.	1300	\$5.00	\$2.00	\$7.00	145							
1105	1768	1105	1768	83R2	182.	179.	1175	83R2-J	219.	216.	1350	83R2-G	241.	238.	1350	5.00	2.00	7.50	150							
1226	2121	1226	2121	83R3	204.	201.	1320	83R3-J	250.	247.	1520	83R3-G	275.	272.	1520	5.00	2.00	8.00	160							
1513	2420	1513	2420	83R4	231.	228.	1430	83R4-J	277.	274.	1650	83R4-G	305.	302.	1650	5.00	2.00	8.50	170							
2091	3345	2091	3345	83R6	269.	265.	2030	83R6-J	315.	311.	2300					6.00	2.00	8.50	175							
2363	3780	2363	3780	83R7	348.	344.	2430	83R7-J	394.	390.	2700					6.00	2.00	9.00	185							
2652	4243	2652	4243	83R8	368.	364.	2610	83R8-J	414.	410.	2900					6.00	2.00	9.50	195							
2924	4678	2924	4678	83R9	386.	382.	2990	83R9-J	432.	428.	3300					6.00	2.00	10.00	200							

SEE FIRST PAGE FOR SURCHARGE WHICH MUST ALWAYS BE ADDED TO TRADE PRICE.

DEDUCTIONS: Safety Valve, Boilers 83R1-83R4.....\$1.00. Water Gauge and Gauge Cocks, Boilers 83R1-83R9.....\$2.00.
Safety Valve, Boilers 83R6-83R9.....\$2.00. Steam or Altitude Gauge, Boilers 83R1-83R9.....\$2.00.

TRIMMINGS—for Oil or Gas:

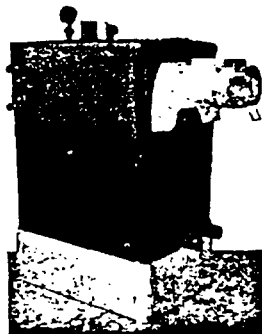
Steam Trimmings consist of Safety Valve, Steam Gauge, Water Gauge, Glass and Gauge Cocks.
Combination Altitude Gauge and Thermometer only trimming furnished with Hot Water Boilers.

TOOLS —for Oil or Gas:

A Flue Brush is only tool furnished.

All Jacketed Boilers have indestructible baked enamel steel jacket, lined with multi-ply improved asbestocel insulation.
Knock-out discs are provided in Jackets opposite boiler openings. Additions for Extra Equipment listed on back page 8.

SQUARE "R" OIL OR GAS JACKETED STEEL BOILER 83 "R" SERIES



TWO-PASS TUBES AND STEEL BASE. SPINNER BLADES ARE INCLUDED.

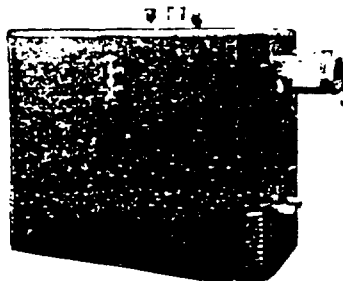
TWO-WAY DRAFT ADJUSTER, REVERSIBLE FOR TOP OR END OUTLET, HAS 1-5/16" DIAMETER STACKSTAT OPENING. TAPPED OPENING EITHER SIDE OF SHELL CAN BE USED FOR AQUASTAT.

Tapered Sides on 83R1-83R4 also 742-743.
Straight sides on 83R6-83R9 also 745-748.

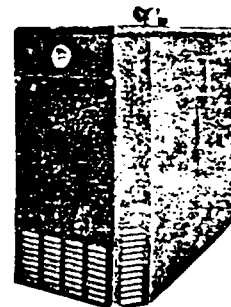
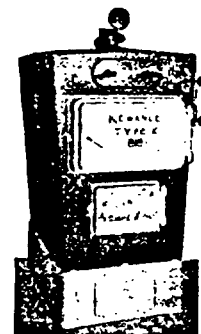
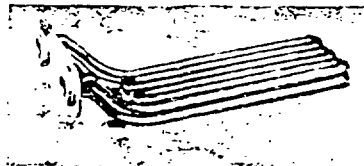
with Regal Jacket

for complete enclosure with any burner,
four sizes only 83R1 to 83R4

Photos of Front and Rear view unretouched



KEWANEE INDIRECT HOT WATER HEATING COIL may be furnished on all Square "R" Boilers at extra cost listed page 8. All have coil opening, and are tapped each side for Ex-celso water heater.



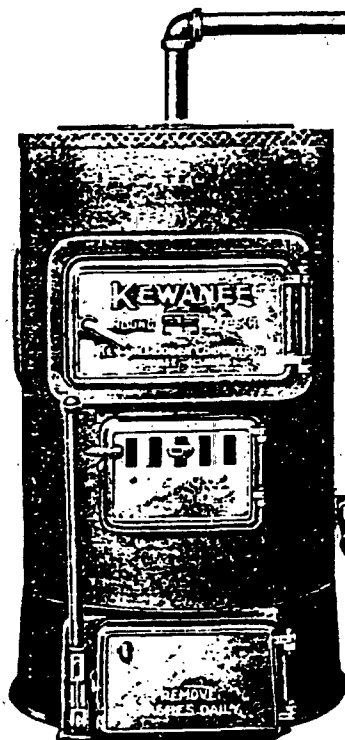
TRADE PRICES

KEWANEE ROUND TYPE "R" STEEL WATER HEATER

Hot Water Working Pressure
90 lbs. per sq. in.

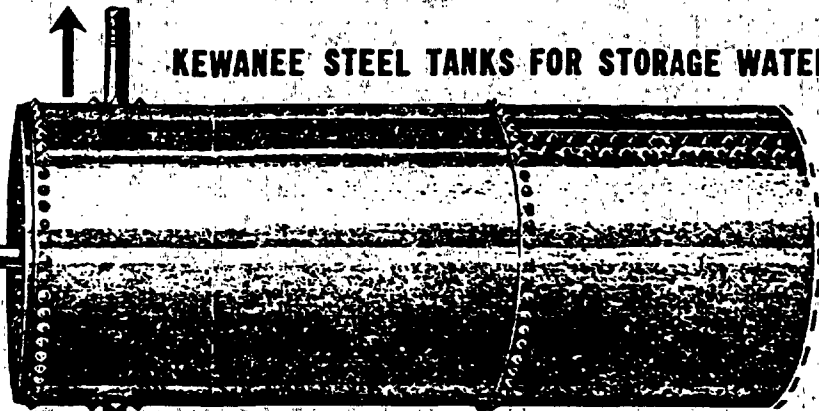
Hydrostatic Test, 135 lbs. per sq. in.

KEWANEE ROUND "R" HEATER



FOR SOFT COAL, HARD COAL OR COKE
Copper Tubes, Heavy Rocking
Grates and Two-Way Smokehood
OR FOR OIL, GAS OR STOKER
Copper Tubes with Spinner Blades
Self-Actuated Draft Adjuster

KEWANEE STEEL TANKS FOR STORAGE WATER



STEEL RIVETED TANKS AND WELDED TANKS

Working Pressures: STANDARD EXTRA HEAVY
75 lbs. sq. in. 100 lbs. sq. in.

CAPACITIES: Welded Tanks 66 gals. to 525 gals.
Riveted Tanks 66 gals. to 13,000 gals. and up.

For the best operation in practice the Storage Water Tank should have a capacity not less than the 3-hour capacity of the Heater.

Prices on black Hot Water Storage Tanks, Riveted or Welded, and on Galvanized Tanks furnished on application.

HIGH EFFICIENCY and HOT WATER
FOR DOMESTIC SERVICE AND
LARGER STORAGE TANK SUPPLIES

THE KEWANEE ROUND "R" DIRECT
WATER HEATER and STORAGE TANK

KEWANEE ROUND "R" STEEL WATER HEATER

FOR BURNING COAL —WITH ROUND JACKET

Heater No.	CAPACITY Gals. per 3 hrs. 100 deg. raise	Trade Price to which Surcharge must be Added	Weight upon which Surcharge is based	DEDUCTIONS FOR OMITTING			
				Grates		Base	
				Price	Weight	Price	Weight
735-HJ	700	\$181.	1230	\$3.50	75	\$6.50	145
736-HJ	800	201.	1495	4.50	100	7.00	155

—UNJACKETED

735-H	700	\$166.	1040	\$3.50	75	\$6.50	145
736-H	800	183.	1280	4.50	100	7.00	155

2735-HJ, 2736-HJ prices same as 735-HJ, 736-HJ

FOR OIL, GAS OR STOKER —WITH ROUND JACKET

1735-HJ	750	\$173.	1110			\$6.50	145
1736-HJ	900	193.	1345			7.00	155

—UNJACKETED

1734-H	550	\$121.	800			\$3.50	50
1735-H	750	158.	920			6.50	145
1736-H	900	175.	1130			7.00	155

0735-HJ, 0736-HJ prices same as 1735-HJ, 1736-HJ

See page 7 for specifications of Equipment on Water Heaters for any fuel.

This high quality all-steel equipment with copper fire tubes serves splendidly for volume heating and storage insuring continuous service piping hot water. Capacities 550-900 gallons raised 100° in 3 hours.

735-H, 736-H heaters are for Bituminous Coal.
2735-H, 2736-H heaters are for Anthracite Coal or Coke.
1734-H, 1735-H, 1736-H heaters are for Oil or Gas.
0735-H, 0736-H heaters are for Stoker.

Round "R" Direct Water Heaters have copper tubes. No coil is furnished.

SEE FIRST PAGE FOR SURCHARGE WHICH MUST ALWAYS BE ADDED TO TRADE PRICE.

— SPECIFICATIONS and MEASUREMENTS —

KEWANEE ROUND TYPE "R" DIRECT WATER HEATER KEWANEE ROUND TYPE "R" STEEL HEATING BOILER

For Heating with—	Anthracite Coal Bituminous Coal		Oil, Gas, or Stoker		
Boiler or Heater Number.....	735 2735	736 2736	1734 *	1735 0735	1736 0736
Boiler Rating—Steam.....sq. ft.	410	550	400	540	680
—Water.....sq. ft.	660	880	640	860	1090
Heater Rating—Gallons per 3 hrs. 100° raise.....	700	800	550	750	900
Heating Surface.....sq. ft.	32	40	24	32	40
Grate Area.....sq. ft.	2.9	3.7			
Furnace Volume.....cu. ft.			3.7	5.4	7.4
Boiler or Heater Shell Diameter.....in.	27½	30½	23¾	27½	30½
Boiler or Heater Shell Height.....in.	43	47	42½	43	47
Inside Diameter.....in.	23	26	20	23	26
Smoke Outlet Diameter.....in.	9	9	7	9	9
Chimney Size.....in.	8x12	8x12	8x8	8x12	8x12
Chimney Height.....ft.	30	35	30	30	35
Flow Outlet Size.....in.	4	4	4	4	4
Return Inlet Size.....in.	4	4	4	4	4
Safety Valve Size.....in.	1	1	¾	1	1
Water Heater Pipe Connection.....in.	1	1	1	1	1
A—Height Over-All.....in.	55½	59½	54¾	55½	59½
B—Base Diameter.....in.	32½	35	26¾	32½	35
—Water Line.....in.	44	46	44	44	46
D—Smoke Outlet Height, End.....in.	42½	44½		42½	44½
E—Smoke Outlet Height, Top.....in.	49	51	43¾	44½	50
—Water Heater Connection from Floor.....in.	32¾	34¾	42½	44½	46½
G—Floor to Furnace Door Opening.....in.	20	20¾		20	20¾
Clear Opening in Base, Front.....in.	10x15½	10x15½	10¾x15	10x15½	10x15½
Clear Opening in Base, Rear.....in.	8x10½	8x10½		8x10½	8x10½
Outside Surface to Cover, Unjacketed, sq. ft.	33	40	24	33	40
Shipping Weight, Unjacketed.....lbs.	1040	1280	800	920	1130

* For Oil and Gas only.

EQUIPMENT for Heater or Boiler—Burning Coal: Base assembled with ash door and rear pouch with primary draft damper; heavy rocking grates, each bar removable; shaker arm, handle. Fire and flue cleanout doors with frames. 2-Way smokehood assembled with check and choke dampers; cleanout cover plates; 1½-in. washout plugs. And for Boiler, hot water coil.

—For Oil, Gas or Stoker: Base assembled; flue doors with frame; integral furnace door-frame is removable, has inspection shutter with pyrex window. Self-controlling draft adjuster, spinner blades, and cleanout cover plates; 1½-in. washout plugs.

And for Boiler, hot water coil.

TRIMMINGS for Steam Boiler—Burning Coal: Steam gauge; water gauge glass, chromium trimmings, two compression gauge cocks; safety valve. Arco damper regulator, weight, rod and lever.

... for Water Boiler—Burning Coal: Combination altitude gauge and Thermometer; Arco damper regulator, weight, rod and lever.

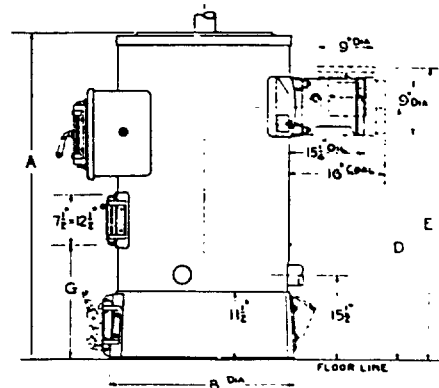
... for Steam Boiler—Oil, Gas or Stoker: Steam gauge; water gauge glass, chromium trimmings, two compression gauge cocks; safety valve. The extra 1½-in. tapping in top of Boiler may be used for oil burner control.

... for Water Boiler—Oil, Gas or Stoker: Combination altitude gauge and Thermometer.

The only Trimming furnished for Water Heaters is Damper Regulator Rod.

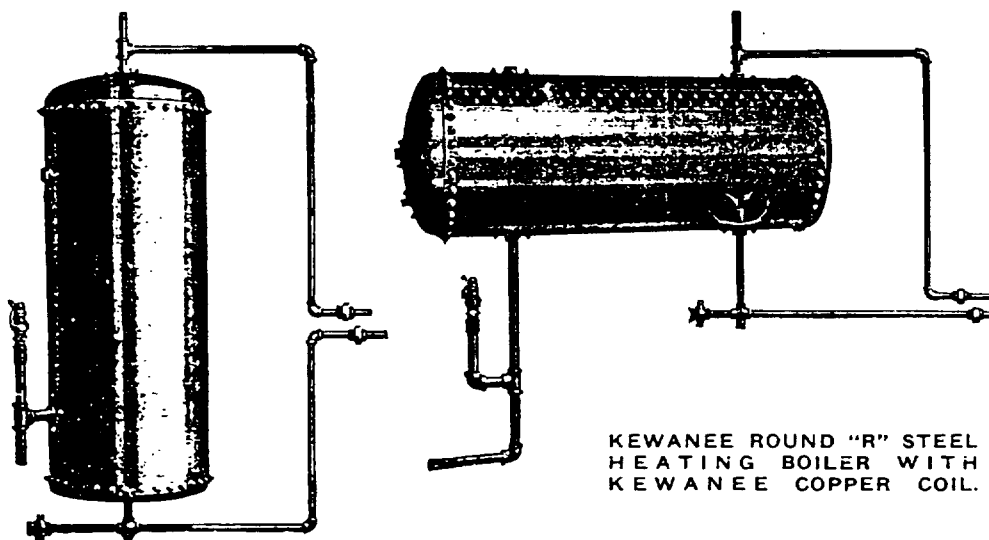
TOOLS for Heater or Boiler—Burning Coal: Poker, Soot Scraper and Flue Brush. —For Oil, Gas or Stoker: Flue Brush only.

With Hot Water Heating Coil

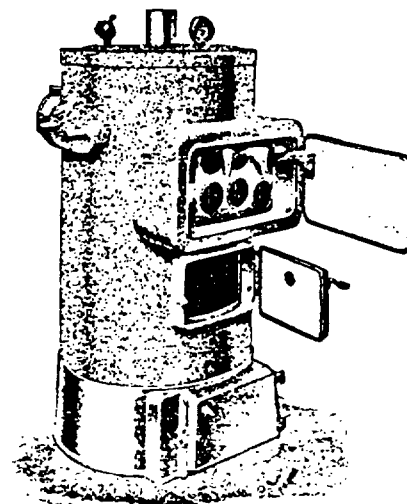


The Kewanee Round Type "R" Steel Heater and Boiler conform to the Construction Code of A. S. M. E. for low pressure heating boilers. Rated capacity of the Boiler is in accordance with the Steel Heating Boiler Institute Code.

TYPICAL PIPING CONNECTING VERTICAL OR HORIZONTAL TANK TO HOT WATER COIL ON ROUND "R" BOILER



KEWANEE ROUND "R" STEEL
HEATING BOILER WITH
KEWANEE COPPER COIL.



FOR HOT WATER HEATING COIL SPECIFICATIONS
AND PRICES SEE PAGE 2.

KEWANEE Indirect Hot Water Heating Coils in Square "R" Boilers

Type "R" Boiler ratings do not include allowance for heating domestic water by Indirect Coils. With STORAGE TANK operation, allow 1/2 sq. ft. steam radiation for each gallon capacity of Coil. For INSTANTANEOUS flow, allow 4 sq. ft. per gal. if hot water demand is added to the heating load for more than 10 minutes in any hour.

TABLE OF COIL PRICES AND MAXIMUM SIZE WHICH CAN BE INSTALLED.

Boiler No.	For STORAGE TANK Operation						For INSTANTANEOUS Flow					
	Coil No. and Size	RATED CAPACITY Gallons Heated 40° to 140° in 3 Hrs. In Boiler Water		Surface Sq. Ft.	Number of Baths or Apartments	Trade Price Installed	Coil No.	RATED CAPACITY Gallons Heated 40°-140° in 180° Boiler Water		Surface Sq. Ft.	Number of Baths or Apartments	Trade Price Installed
		212°F	180°F					In 1 Hr.	In 1 Min.			
	S6-24	90	55	3.0	1-3	\$23.80	DN1	185	3.1	12.3	1	\$54.60
	S8-24	120	70	3.9	4	27.40						
	D6-24	180	110	6.0	6	34.60						
	D8-24	240	145	7.7	8	41.80						
	S6-30	120	70	3.8	4	27.40	DN2	240	4.0	15.9	6	63.40
	S8-30	160	95	5.0	5-6	32.20						
	D6-30	240	145	7.6	8	41.80						
	D8-30	320	190	9.9	8-11	50.60						
742	S6-36	150	90	4.6	5	31.00	DN3	295	4.9	19.5	12	72.20
	S8-36	200	120	6.0	6-7	37.00						
	D6-36	300	180	9.1	10	49.00						
	D8-36	400	240	11.9	11-14	57.00						
743	S6-42	180	110	5.4	6	34.60	DN4	350	5.8	23.1	18	81.00
	S8-42	240	145	7.0	8	41.80						
	D6-42	360	215	10.7	12	53.80						
	D8-42	480	290	14.0	16	63.40						
746	S6-48	210	125	6.2	7	38.20	DN7	400	6.7	26.7	23	89.00
	S8-48	280	170	8.1	9-10	46.60						
	D6-48	420	250	12.3	14	58.60						
	D8-48	560	335	16.1	16-19	69.80						
747	S6-54	240	145	6.9	8	41.80	DN8	450	7.5	30.3	28	97.00
	S8-54	320	190	9.1	10-11	50.60						
	D6-54	480	290	13.9	16	63.40						
	D8-54	640	385	18.2	19-21	76.20						
748	S6-60	270	160	7.7	9	45.40	DN9	510	8.5	33.9	34	106.60
	S8-60	360	215	10.2	12	53.80						
	D6-60	540	325	15.4	18	68.20						
	D8-60	720	430	20.3	24	82.60						
3R1	SL6-24	90	55	3.0	1-3	\$23.80	TN-1	185	3.1	12.4	1	\$54.60
	SL8-24	120	70	3.9	4	27.40	QN-1	240	4.0	15.9	6	63.40
	DL6-24	180	110	6.0	6	34.60						
	DL8-24	240	145	7.7	8	41.80						
3R2	SL6-30	120	70	3.8	4	27.40	TN-2	240	4.0	15.8	6	63.40
	SL8-30	160	95	5.0	5-6	32.20	QN-2	310	5.2	20.5	12	74.60
	DL6-30	240	145	7.6	8	41.80						
	DL8-30	320	190	9.9	8-11	50.60						
3R3	SL6-36	150	90	4.6	5	31.00	TN-3	290	4.8	19.2	12	71.40
	SL8-36	200	120	6.0	6-7	37.00	QN-3	375	6.3	25.0	20	85.00
	DL6-36	300	180	9.1	10	49.00						
	DL8-36	400	240	11.9	11-14	57.00						
3R4	SL6-42	180	110	5.4	6	34.60	TN-4	350	5.8	22.7	18	81.00
	SL8-42	240	145	7.0	8	41.80	QN-4	445	7.4	29.6	28	96.20
	DL6-42	360	215	10.7	12	53.80						
	DL8-42	480	290	14.0	16	63.40						
3R7	SL6-48	210	125	6.2	7	38.20	TN-7	390	6.5	26.1	23	87.40
	SL8-48	280	170	8.1	9-10	46.60	QN-7	510	8.5	34.2	34	106.60
	DL6-48	420	250	12.3	14	58.60						
	DL8-48	560	335	16.1	16-19	69.80						
3R8	SL6-54	240	145	6.9	8	41.80	TN-8	445	7.4	29.6	28	96.20
	SL8-54	320	190	9.1	10-11	50.60	QN-8	580	9.7	38.8	40	117.80
	DL6-54	480	290	13.9	16	63.40						
	DL8-54	640	385	18.2	19-21	76.20						
3R9	SL6-60	270	160	7.7	9	45.40	TN-9	495	8.3	33.0	34	104.20
	SL8-60	360	215	10.2	12	53.80	QN-9	650	10.8	43.4	48	129.00
	DL6-60	540	325	15.4	18	68.20						
	DL8-60	720	430	20.3	24	82.60						

0-300 gal. 13+.12 gal. Over 300 gal. 25+.08 gal.

25+.16 gal.

Coils shorter than the maximum lengths listed above may be substituted in each boiler where less hot water capacity is required. Coils are interchangeable in boilers of same Series only.

Additions for Extras—

Only When Furnished With Type "R" Boilers

using these prices do not make any deductions for fitting parts usually furnished as regular equipment.

Boilers Number:	734-735-736	743-745-746
	742 83R1-83R2 83R3	747-748 83R4-83R6 83R7-83R8-83R9
Vapor Damper Regulator	\$20.00	\$20.00
Sleeves, per Inch	1.25	1.25
Tapped Openings, per Inch	1.25	1.25
Observation Doors	6.00	6.00
Garbage Incinerator, Front		40.00

