

TRADE PRICES

Effective January 18, 1937

PLAINTIFF'S EXHIBIT

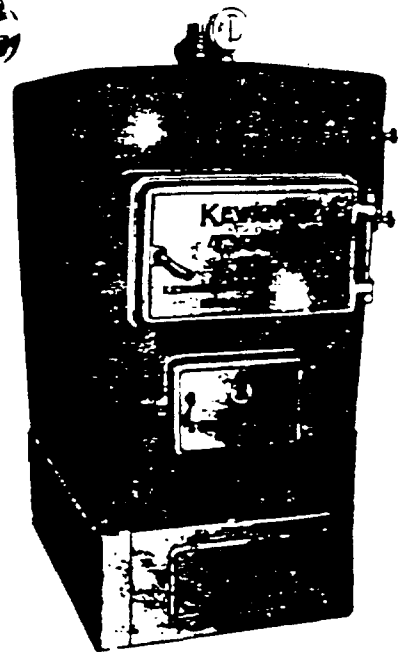
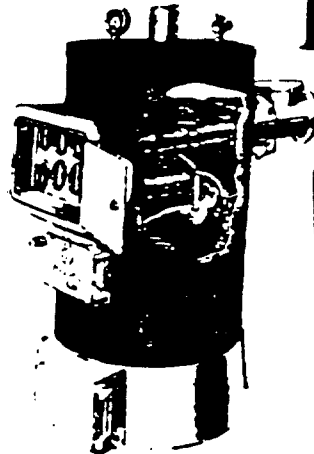
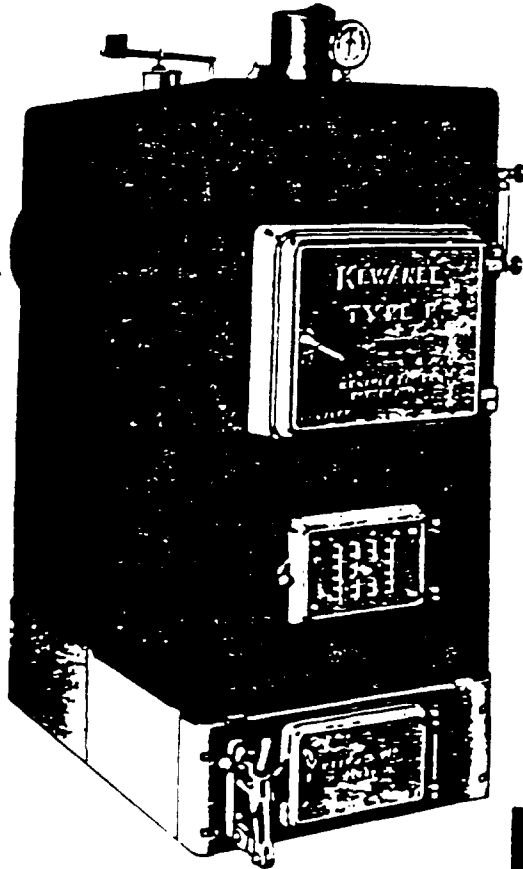
ASI-214

KEWANE

ROUND
&
SQUARE

TYPE K

BOILERS



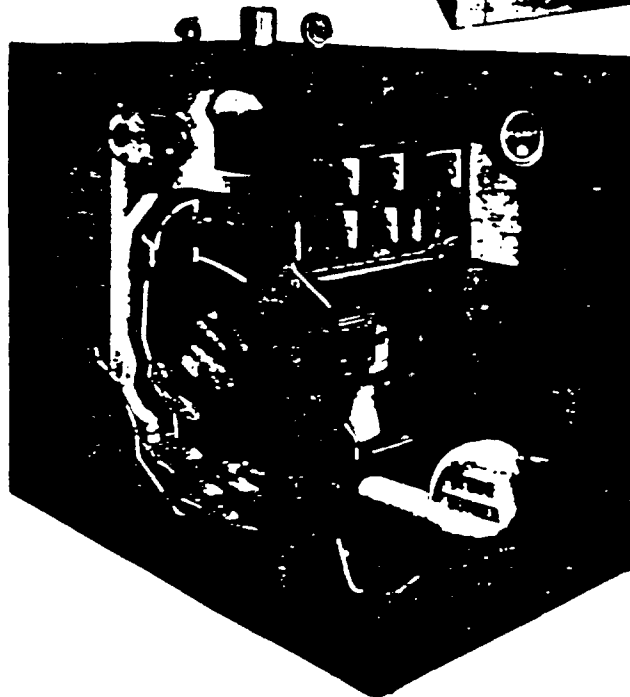
IN

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		Surface Sq. Ft.	Number of Baths or Apartments	Trade Price Installed	Coil No. and Size	RATED CAPACITY		Surface Sq. Ft.	Number of Baths or Apartments	Trade Price Installed
	Gallons Heated 40° to 140° in 3 Hrs. in Boiler Water	180° F.					Gallons Heated 40° to 140° in 3 Hrs. in Boiler Water	180° F.			
S6-24	90	55	3.0	1-3	\$23.80	D6-24	180	110	6.0	6	\$34.50
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	34.50	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	58.50
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	82.50
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	58.50	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	106.50
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	50.50
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	50.50	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	82.50
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	82.50	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	146.50

S6-36 means Single row of 6 pipes 36" long. D6-42 means Double rows of 6 pipes 42" long.

0-100 gal. 11-12 gal.
Over 100 gal. 25-34 gal.

SL6-36 and DL6-42 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.

LARGE VOLUME UNITS

Coil No.	RATED CAPACITY		Number of Baths or Apartments	Trade Price Installed
	Gallons Heated 40° to 140° in 3 Hrs. in Boiler Water	180° F.		
2D6-66	1600	960	50-53	\$153.00
2D8-78	1600	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
2D8-108	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 pointed ends, tapered 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 1 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 INSTANTANEOUS FLOW

FOR SQUARE TYPE "R" BOILERS ONLY

Coil No.	RATED CAPACITY		Surface Sq. Ft.	Number of Data Points	Trade Price Installed
	Gallons Heated 40°-140° in 1 Hr.	Gallons Heated 40°-140° in 1 Min.			
DN1	155	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	15	81.00
DN7	400	6.7	26.7	20	89.00
DN8	450	7.5	30.3	25	97.00
DN9	510	8.5	33.9	34	106.60

FOR 83R BOILERS ONLY

Coil No.	RATED CAPACITY		Surface Sq. Ft.	Number of Data Points	Trade Price Installed
	Gallons Heated 40°-140° in 1 Hr.	Gallons Heated 40°-140° in 1 Min.			
TN1	185	3.1	12.4	1	\$54.60
QN1	240	4.0	15.9	6	63.40
TN2	240	4.0	15.8	6	63.40
QN2	310	5.2	20.5	12	74.60
TN3	290	4.8	19.2	12	71.40
QN3	375	6.3	25.0	20	85.00
TN4	350	5.5	22.7	15	81.00
QN4	445	7.4	29.6	25	96.20
TN7	390	6.5	26.1	25	87.40
QN7	510	8.5	34.2	34	106.60
TN8	445	7.4	29.6	25	96.20
QN8	580	9.7	36.8	40	117.80
TN9	495	8.5	33.0	34	104.20
QN9	650	10.5	43.4	45	129.00

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, an 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				SQUARE TYPE "R" BOILERS			
For STORAGE TANK Operation			INSTANTANEOUS Flow	For STORAGE TANK Operation			INSTANTANEOUS Flow
Boiler Number	Maximum Coil Length Inches	Maximum No. Coils Per Boiler	Maximum Size and No. Per Boiler	Boiler Number	Maximum Coil Length Inches	Maximum No. Coils Per Boiler	Maximum Size and No. Per Boiler
77	42	1	1—DN4	742	36	1	1—DN3
77A	45	1	1—DN7	743	42	1	1—DN4
77B	60	1	1—DN6	745	42	1	1—DN4
77C	72	1	1—DN5	746	45	1	1—DN7
77D	55	2		747	54	1	1—DN8
77E	72	2		748	60	1	1—DN9
77F	84	2					
77G	76	3					
77H	96	3					
77I	74	3					
77J	55	2	Balance				
77K	55	2	O.				
77L	102	2					
77M	120	2					
77N	114	3	Application				
77O	120	3					
77P	120	3					
77Q	120	3					
77R	120	3					

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 for Coils in Round Type "R" Boilers.
Prices and 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.
All prices herein quoted supersede all prior quotations and are subject to change without notice.

KEWANEE BOILER CORPORATION KEWANEE, ILLINOIS
division of American Radiator & Standard Sanitary Corporation

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 52 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	
B	\$.95		12630 lbs	\$.50	
C	\$ 1.25		13400 lbs	\$.70	Listed Weights
D	\$ 1.70	L.C.L. Surcharge	12700 lbs	\$.90	
E	\$ 2.10	Is Not to Exceed	12570 lbs	\$ 1.10	But Not Less Than
F	\$ 2.45	the Minimum	12710 lbs	\$ 1.70	24000 lbs
G	\$ 2.55	C.L. Surcharge	12670 lbs	\$ 1.50	

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

KEWANEE BOILER CORPORATION

Division of American Radiator and Standard Sanitary Corporation

KEWANEE, ILLINOIS

1-10-37-35M

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 insulated doors are smooth ground to a gas-tight finish on the heavy frames. The Two-Pass tubes give higher efficiencies, 80% and up. Additionally for oil, gas or stoker the Spinner Blades and self-actuated Draft Adjuster have a big plus value. There is no extra charge for these.

Accessibility for cleaning permits keeping the Efficiency high.

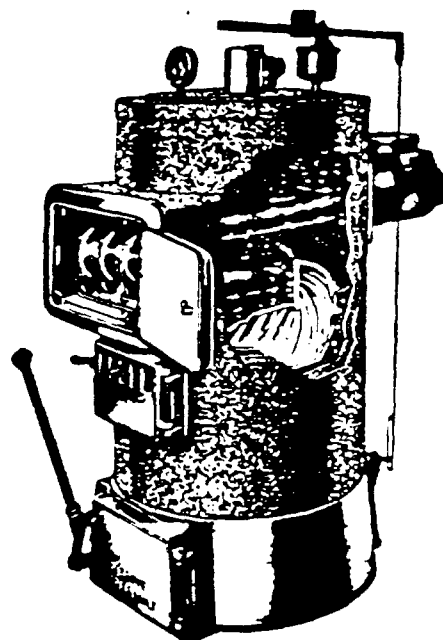
The neat and pleasing Jacket which houses these dependable Type "R" Boilers may well be a deciding factor which will influence the owner to select one of our heating units for his modern basement or for wherever smart exterior trim is considered an essential. KEWANEE offers 4 styles.

First there is our Round Jacket, a snug fitted sheathing of insulated steel. Takes up less room than any other Jacket. Exactly the thing for Hand Firing or where equipment for Mechanical Firing is to be completely accessible. With the new Smartline Regal Jackets complete enclosure is offered for Any Gun Type burner with our boiler. The Square-Regal Jacket is a choice for Rotary Burners, also will enclose foreshortened Gun Types. 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 cost includes regular Hot Water Heating Coil for Domestic Tank Supply. Or 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 SIZE		TRADE PRICE to which Surcharge must be added		Weight of Steel Surcharge to Add	DEDUCTIONS FOR OMITTING REGULAR PARTS											
	Hot Water	Steam	Hot Water	Steam	Hot Water	Steam		Complete Trims	COMPLETE TRIMS		GRATES		BASE						
									Hot Water	Steam	Hot Water	Steam	Hot Water	Steam					
—UNJACKETED																			
735	410	660	320	512	\$121	\$118	1040	\$1.00	\$2.00	\$3.00	\$2.00	\$5.00	\$5.00	\$3.50	75	\$6.50	145		
736	550	880	420	677	143	140	1250	1.00	2.00	3.00	2.00	6.00	5.00	4.50	100	7.00	155		
—WITH ROUND JACKET																			
735-J	410	660	320	512	\$136	\$133	1230	\$1.00	\$2.00	\$3.00	\$2.00	\$5.00	\$5.00	\$3.50	75	\$6.50	145		
736-J	550	880	420	677	161	158	1495	1.00	2.00	3.00	2.00	5.00	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

For STORAGE TANK Operation						For INSTANTANEOUS Flow				
Boiler Number	Coil Size	RATED CAPACITY Gallons Heated 100° to 140° in 3 Hrs in Boiler Water		Surface Sq. Ft.	Add to Trade Price	Coil Size	RATED CAPACITY Gallons Heated 100° to 140° in 1 Hr. in 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	29	11.4	\$21.00
	B-34	95	60	3.0	\$ 5.00					
735	F	75	45	2.4	Is Regular Equipment	DN-36	190	32	12.9	\$23.00
736		B	110	65	3.5					
	DB-35	170	100	5.6	\$10.00					
736	DB-36	200	120	6.6	\$12.00					

TRADE PRICES

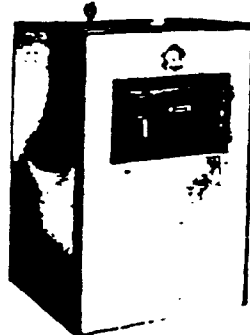
KEWANEE ROUND TYPE "R" STEEL HEATING BOILER

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

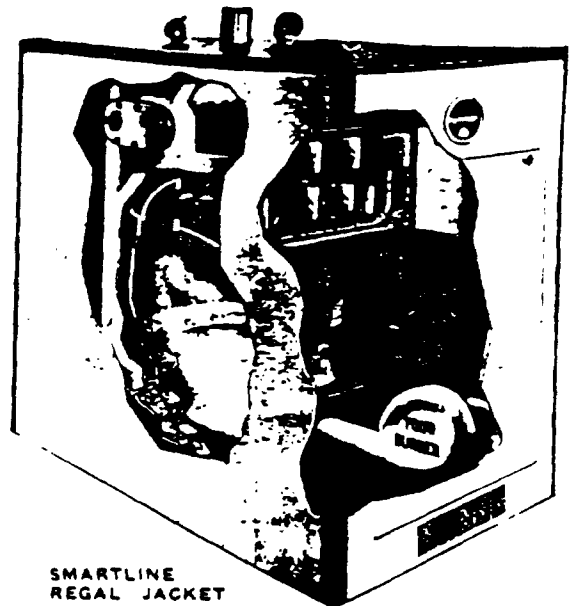


**SMARTLINE
SQUARE-REGAL JACKET**

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							
Model No.	CAPACITY Gals. Per Hr.		RECOMMENDED NET LOAD Sq. Ft. Gr.		TRADE PRICE in each Size Net in 1936		WEIGHT JACKET ROUND SQUARE LBS.	DEDUCTIONS FOR OMITTING REGULAR PARTS				COMPLETE TRIMS		BASE	
	400	540	540	680	400	540		Saves Lbs.	Net of Lbs. Gr.	Water Gauge and Gauge Glass	Single	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.

Flue Brush is only tool furnished with 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									
RATED CAPACITY		RECOMMENDED NET LOAD PER HOUR		TRADE PRICE to which Surcharge must be added		TRADE PRICE to which Surcharge must be added		DEDUCTIONS FOR OMITTING	
Boiler No.	Water	Boiler No.	Water	Boiler No.	Water	Boiler No.	Water	COMPLETE TRIMS	CUSTOMS
Boiler No.	Water	Boiler No.	Water	Boiler No.	Water	Boiler No.	Water	Boiler No.	Water
—UNJACKETED— —JACKETED—									
140	1260	605	966	742	\$255. \$252. 2150	742-J	\$290. \$287. 2355	\$10.00	\$7.00
1000	1600	770	1232	743	272. 269. 2360	743-J	309. 306. 2585	10.00	7.00
1350	2160	1025	1656	745	300. 296. 2800	745-J	340. 336. 2975	11.00	7.00
1600	2560	1200	1968	746	321. 317. 3050	746-J	362. 358. 3240	11.00	7.00
1750	2850	1270	2192	747	335. 331. 3300	747-J	378. 374. 3500	11.00	7.00
1960	3140	1515	2424	748	384. 380. 3550	748-J	429. 425. 3775	11.00	7.00
OIL OR GAS 1742-1748 SERIES									
STOKER 0742-0748 SERIES									

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

DEDUCTIONS	Safety Valve, Boilers 742-2	\$1.00	745-8	\$2.00	Damper Regulator	\$5.00
	Water Gauge and Gauge Locks	\$2.00			Steam or Astitude Gauge	\$2.00

TRIMMINGS—for Coal:

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

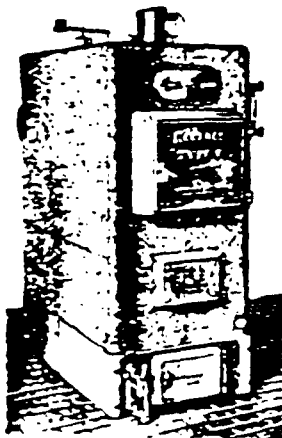
Hot Water Boiler trimmings consist of Combination Altitude Gauge and Thermometer, also Damper Regulator
—for Oil, Gas or Stoker:

Steam Trimmings consist of Safety Valve, Steam Gauge, Water Gauge, Glass and Gauge Cocks
Combination Air/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 1-3/4 16" DIAMETER STACKSTAT 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 6. All have coil opening and are tapped each side for External water heater.



TRADE PRICES

KEWANEE SQUARE "R" OIL OR GAS BOILER

83 "R" OIL OR GAS SERIES

WATER CAPACITY		RECOMMENDED NET LOAD		TRADE PRICE		TRADE PRICE		TRADE PRICE		TRADE PRICE		DEDUCTIONS FOR OMITTING							
— — —		— — —		to which Surcharge must be Added		to which Surcharge must be Added		to which Surcharge must be Added		to which Surcharge must be Added		COMPLETE TRIMMING STEEL BASE							
Boiler No.		Boiler No.		Boiler No.		Boiler No.		Boiler No.		Boiler No.		Boiler No.							
Steam Water		Steam Water		Steam Water		Steam Water		Steam Water		Steam Water		Steam Water							
— — —		— — —		— — —		— — —		— — —		— — —		— — —							
—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
1326	2121	1326	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:

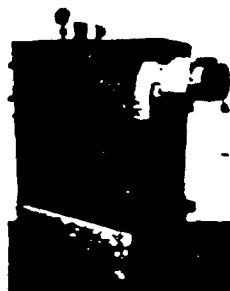
Steam Trimmings consist of Safety Valve Steam Gauge, Water Gauge, Glass and Gauge Cocks
Combination Altitude Gauge and Thermometer only trimming furnished with Hot Water Boilers

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.

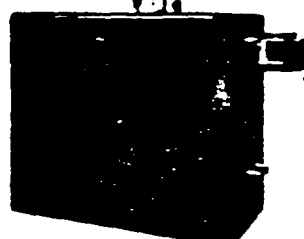
TWO-WAY DRAFT ADJUSTER, REVERSIBLE FOR TOP OR END OUTLET. HAS 1-5 16" DIAMETER STACK/STAP OPENING
TAPPED OPENING EITHER SIDE OF SHELL CAN BE USED FOR AQUASTAT

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. Circ. Water Heater

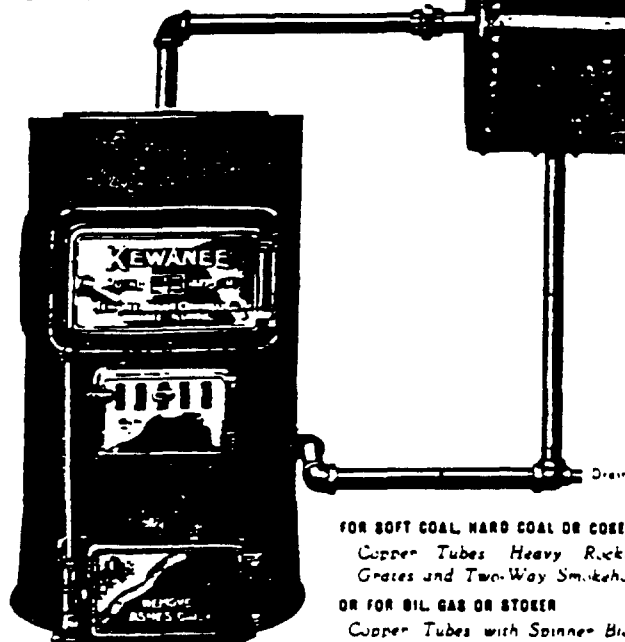


TRADE PRICES

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



KEWANEE STEEL TANKS FOR STORAGE WATER

STEEL RIVETED TANKS AND WELDED TANKS

STANDARD EXTRA HEAVY
Working Pressures: 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.

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

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							
Model	Capacity Gallons	Trade Price to which Surcharge must be Added	Weight upon which Sur- charge 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 of 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

With Hot Water Heating Coil

For Heating with—	Anthracite Coal		Oil, Gas, or Stoker		
	735	736	1734	1735	1736
Boiler or Heater Number	2735	2736	9	0735	0736
Boiler Rating—Steam	410	550	400	540	680
Water	660	880	640	860	1090
Heater Rating—Gallons per 3 hrs. 100° raise	700	800	550	750	900
Heating Surface	32	40	24	32	40
Grate Area	2.9	—	3.7	5.4	7.4
Furnace Volume	—	—	—	—	—
Boiler or Heater Shell Diameter	27 1/2	30 1/2	27 1/2	27 1/2	30 1/2
Boiler or Heater Shell Height	43	47	42 1/2	43	47
Inside Diameter	23	26	20	23	26
Smoke Outlet Diameter	8	8	7	8	8
Chimney Size	8x12	8x12	8x8	8x12	8x12
Chimney Height	30	35	30	30	35
Flow Outlet Size	4	4	4	4	4
Return Inlet Size	4	4	4	4	4
Safety Valve Size	1	1	1	1	1
Water Heater Pipe Connection	1	1	1	1	1
A—Height Over All	55 1/4	59	54 1/2	55 1/4	59 1/2
B—Base Diameter	32 1/2	35	26 1/4	32 1/4	35
C—Water Line	44	46	44	44	46
D—Smoke Outlet Height, End	42 1/2	44 1/2	42 1/2	42 1/2	44 1/2
E—Smoke Outlet Height, Top	49	51	43 1/2	48	50
F—Water Heater Connection from Floor	32 1/2	34 1/2	42 1/2	44 1/2	46 1/2
G—Floor to Furnace Door Opening	20	20 1/2	20	20 1/2	20 1/2
Clear Opening in Base, Front	10x15 1/2	10x15 1/2	10 1/2 x 15	10x15 1/2	10x15 1/2
Clear Opening in Base, Rear	8x10 1/2	8x10 1/2	8x10 1/2	8x10 1/2	8x10 1/2
Outside Surface to Cover, Unjacketed, sq. ft.	33	40	24	33	40
Shipping Weight, Unjacketed	1040	1280	800	820	1130

* For Oil and Gas only.

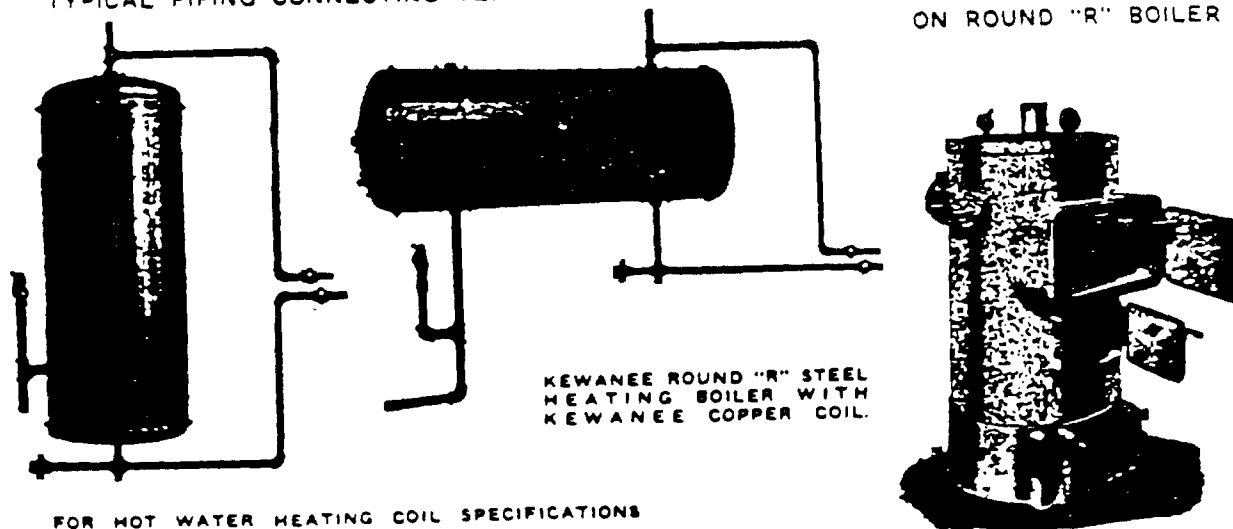
EQUIPMENT for Heater or Boiler—Burning Coal: Base assembled with ash door and rear pouch with primary draft damper, heavy rocking grate, ash bar, removable shaker arm handle. Fire and flue cleanout doors with frames. 3-Way smokehood assembled with back and front dampers, cleanout cover plates, 14-in. 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 purge window. Self-controlling draft adjuster, spinner blades, and cleanout cover plates, 14-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, 1/2-in. 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 1/2-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, Sint. Scraper and Flue Brush. —For Oil, Gas or Stoker: Flue Brush only.

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



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. Indirect Coils. With STORAGE TANK operation, allow 1 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.

For STORAGE TANK Operation							For INSTANTANEOUS Flow										
Boiler No	Coil No and Size	RATED CAPACITY		Surface Sq. Ft.	Number of Baths or Apartments	Trade Price Installed	Coil No.	RATED CAPACITY		Surface Sq. Ft.	Number of Baths or Apartments	Trade Price Installed					
		Gallons Heated 40° to 140° in 1 Hr. in Boiler Water						Gallons Heated 40° to 140° in 1 Hr. in Boiler Water									
		110°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											
745	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	25	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											
53R1	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											
53R2	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											
53R3	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											
53R4	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											
53R7	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											
53R8	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	560	9.7	38.5	40	117.80				
	DL6-54	480	290	13.9	16	63.40											
	DL8-54	640	385	18.2	19-21	76.20											
53R9	SL6-60	270	160	7.7	9	45.40	TN-9	495	8.1	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											

10 - 12 gal. 13 - 12 gal. Over 300 gal. 25 - 95 gal.
 Any 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

In using these prices do not make any deductions for omitting parts usually furnished as regular equipment

Boilers Number:	734-735-736	743-745-746
	742	747-748
	83R1-83R2	83R4-83R6
	83R3	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

