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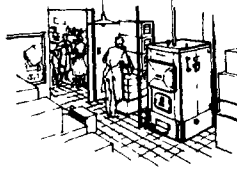
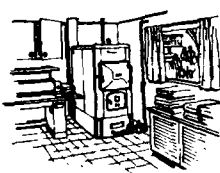
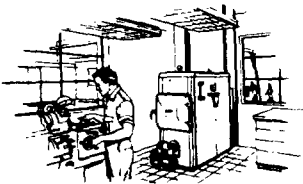
ASI-1192



KEWANEE[®]



LOW PRESSURE
STEAM



SQUARE-HEAT
TYPE "R" BOILERS



HOT
WATER

AMERICAN-Standard

KEWANEE BOILER DIVISION

28494

KEWANEE®

SQUARE-HEAT TYPE "R" BOILER . . .

A TRULY VERSATILE

BOILER FOR

GAS

OIL

Thousands of Kewanee's famous "Square-Heat" boilers have earned owner respect in every conceivable type of installation—in large homes, small factories and office buildings, schools, churches, stores and institutions. They are of a simple, effective design that results in trustworthy operation with little attention. They are easy to keep free of soot, scale and other impurities—thus they are easy to keep efficient.

These boilers are the practical, proven

firebox type for installation with oil burner, gas burner, coal stoker or hand-fired coal grate. Even after installation, adaptation from one fuel to the other is relatively fast and inexpensive.

The Kewanee Square-Heat will easily operate at 80% efficiency when fired at a rate to produce 150% of its SBI net rating. This means your Square-Heat will carry peak loads without wear or strain and with real fuel-saving economy. By building boilers *better*, Kewanee Boiler Division has become a leading manufacturer of fire tube boilers. This reputation means service, too—with a network of Kewanee representatives reaching into every state . . . putting a qualified Kewanee Man within 'phoning distance of every Kewanee owner.



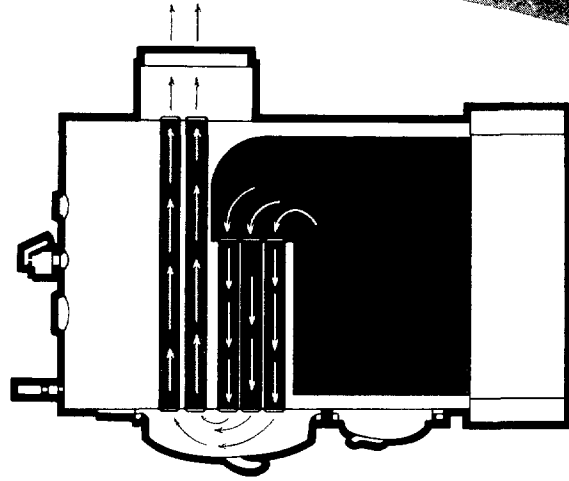
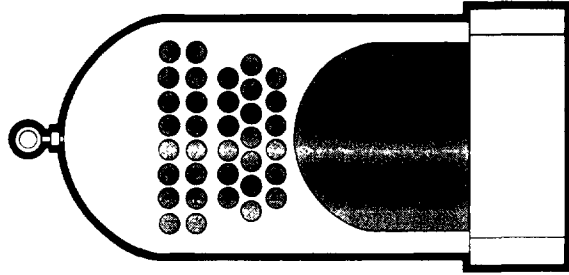
*12 sizes—producing 15 lb steam or 30 lb water
at SBI net ratings from 216,000 to 1,200,000
Btuh steam; 243,000 to 1,350,000 Btuh water.*

Steel jacket is optional . . . has 1" thick
Fiberglas insulation and easy-to-clean baked
enamel finish.

KEWANEE

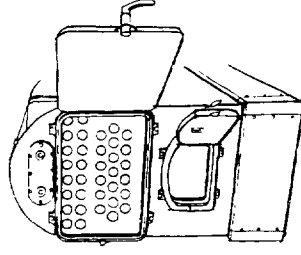
DESIGNS DEPENDABILITY INTO EVERY

SQUARE-HEAT TYPE "R" BOILER



CAST IRON FLUE DOORS . . . EXPANDED, BEADED FIRE TUBES

Extras in design, extras in materials, and extras in workmanship have always been chief characteristics of a Kewanee Boiler. In the Square-Heat Type "R" models, as throughout the entire Kewanee line, a better-built boiler is easily apparent. Flue doors are cast iron, carefully machined to a precision fit and lined with high temperature insulation to keep heat inside and prevent warping. Fire tubes are set into the tube sheet with a roller expander, then the ends are uniformly beaded for a tight, permanent fit. Welds are smooth—in fact, every detail of construction is obviously the work of experts. The boiler meets or exceeds requirements of the ASME boiler construction code. Ratings are in accordance with the SBI code for steel heating boilers.



Kewanee's efficient two-pass design transfers maximum heat from fuel to water. The firebox is large for complete mixing of fuel and air. All fuel burns before the hot gases enter the fire tubes. On the first pass they travel to the front of the boiler, then the second pass takes them to the rear smokebox and out the smoke pipe. Spinner blades in the fire tubes of oil models 3R1 through 3R8 swirl hot gases against tube surfaces for greater heat transfer.

On the water side, wide free water legs and well spaced fire tubes permit rapid circulation without water line turbulence. Large dome provides extra space for a reserve supply of dry steam.

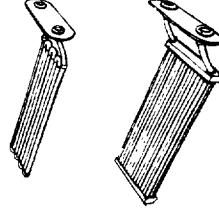
The boiler is designed for large capacity within a small space. Even the largest Square-Heat Type "R" fits easily under a standard 8-foot ceiling.

For information on hand-fired coal boilers, consult your nearest Kewanee representative.

DOMESTIC HOT WATER AVAILABLE ALL YEAR AROUND

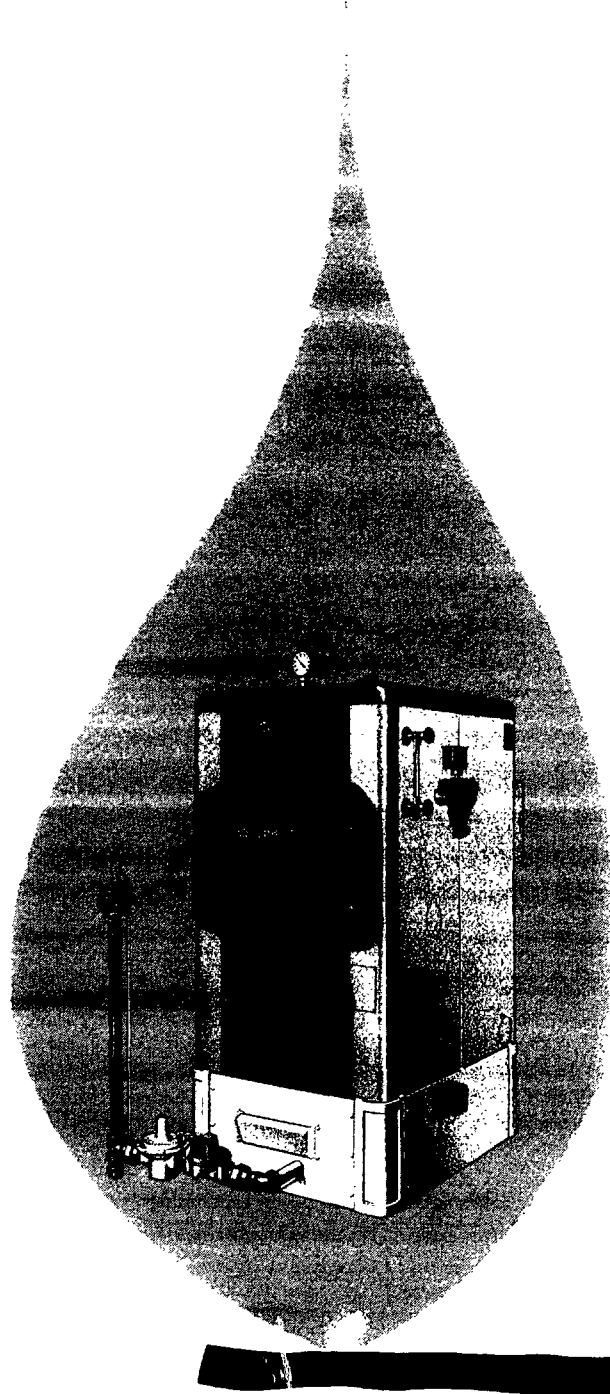
As an option with any Kewanee Square-Heat Type "R" Boiler, indirect water heating coils are available. These can be installed at the factory—or in the field at any time.

Two types of coils are available—the tankless, instantaneous flow type and the storage tank type. Either coil can provide an ample supply of domestic hot water in summer as well as winter. Operation of the boiler in summer months for hot water is inexpensive and also prevents corrosion caused by condensation of moisture in smoke pipe, fire tubes and firebox.

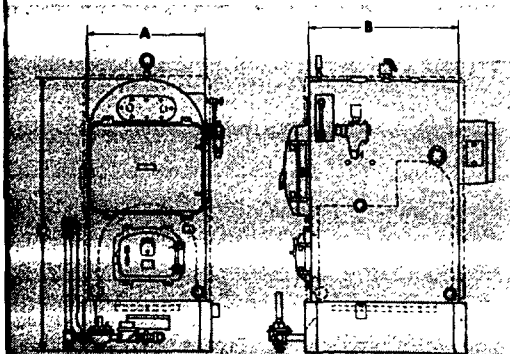


SQUARE-HEAT
TYPE "R"
KEWANEE[®]
GAS-FIRED
PACKAGED UNIT

For a self-contained, completely automatic heating unit, Kewanee combines a Square-Heat Type "R" Boiler with a Kewanee atmospheric type drilled-port gas burner. The burner is factory assembled in the boiler base and covers the firebox floor. It can be ordered for natural, mixed, manufactured or L.P. gas. Firing rate is balanced with the capacity of the boiler. Operation is automatic, efficient, silent. Thermocouple control of main gas valve is furnished as standard equipment. Electronic controls for safety shut-off in event of pilot failure is optional. The entire combustion chamber may be inspected easily through a hinged cast iron access door, machine-ground to a close fit and lined with high temperature refractory.



DIMENSIONS GAS-FIRED UNIT



unit number	3R1 G	3R2 G	3R3 G	3R4 G	3R5 G	3R6 G	3R7 G	3R8 G	3R9 G	3R10 G	3R11 G	3R12
SBI net rating—MBtuh steam	216	264	312	360	432	528	624	720	840	960	1080	1200
—MBtuh water	243	297	351	405	486	594	702	810	945	1080	1215	1350
gross output MBtuh	324	396	468	540	648	792	936	1080	1260	1440	1620	1800
A—maximum width	ft-in 2-7½	2-7½	2-7½	2-7½	3-0	3-0	3-0	3-0	3-7	3-7	3-7	3-7
B—maximum length	ft-in 2-9½	3-3½	3-9½	4-3½	3-9½	4-5½	5-1	5-10	4-11	5-7	6-3	6-10
C—maximum height	ft-in 5-6½	5-6½	5-6½	5-6½	6-2	6-2	6-2	6-2	6-10½	6-10½	6-10½	6-10½

Dimensions include the optional insulating jacket.

SQUARE-HEAT
TYPE "R"

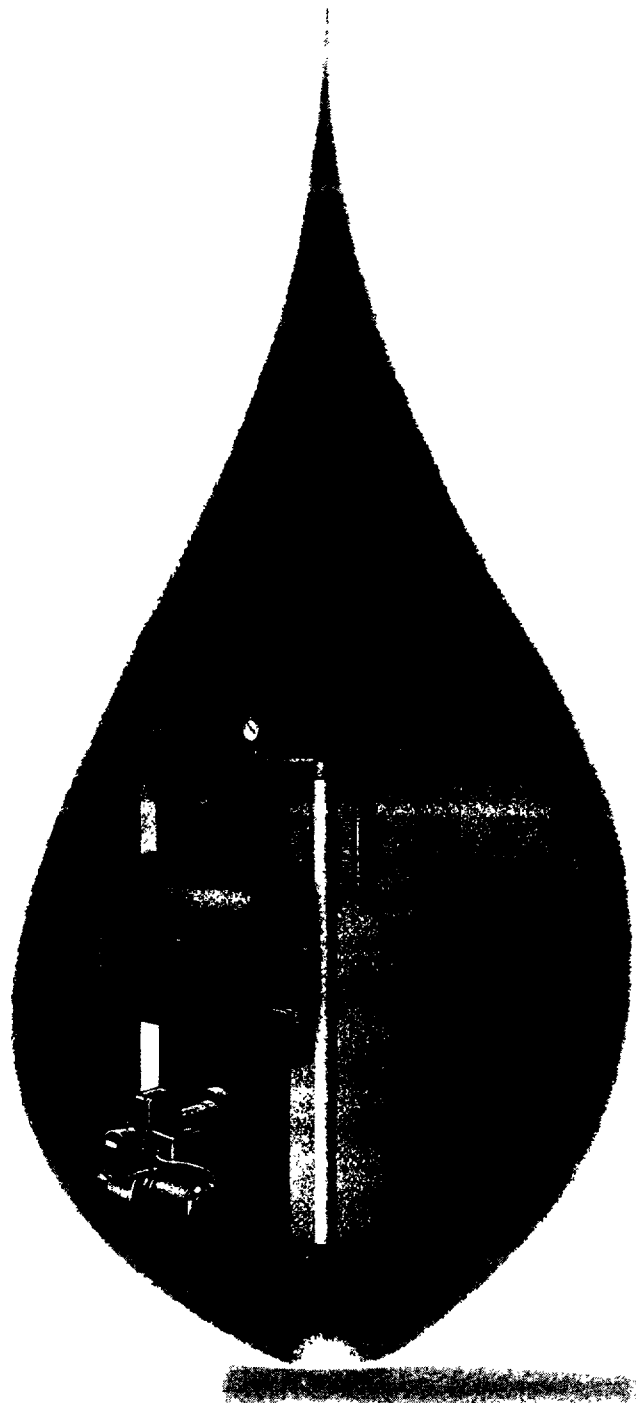
KEWANEE®

OIL-FIRED
PACKAGED UNIT

Automatic operation on No. 1 or No. 2 fuel oil is provided by a Kewanee pressure atomizing oil burner matched to the design and capacity of its Square-Heat Type "R" teammate.

Firing is smooth, safe, non-pulsating. Electronic controls are furnished as standard equipment on the 3R4-0 through 3R12-0 units and are available as optional equipment on the smaller sizes.

Combination mounting plate and adjustable secondary air shutter holds burner firmly in place . . . provides access to combustion chamber. The floor of the combustion chamber is of pre-cast insulating-type refractory, installed at the factory. Boiler and skid base are welded into one rigid unit. No special base is required.



DIMENSIONS OIL-FIRED UNIT

unit number	3R1-0	3R2-0	3R3-0	3R4-0	3R5-0	3R6-0	3R7-0	3R8-0	3R9-0	3R10-0	3R11-0	3R12-0
SBI net rating—MBtuh steam	216	264	312	360	432	528	624	720	840	960	1080	1200
—MBtuh water	243	297	351	405	486	594	702	810	945	1080	1215	1350
gross output MBtuh	324	396	468	540	648	792	936	1080	1260	1440	1620	1800
A—maximum width . . . ft-in	2-8½	2-8½	2-8½	2-8½	3-1	3-1	3-1	3-1	3-8	3-8	3-8	3-8
B—maximum length . . . ft-in	2-9½	3-3½	3-9½	4-3½	3-9½	4-5½	5-1	5-10	4-11	5-7	6-3	6-10
C—maximum height . . . ft-in	4-8	4-8	4-8	4-8	5-3	5-3	5-3	5-3	6-0	6-0	6-0	6-0

Dimensions include the optional insulating jacket.



AMERICAN-Standard

KEWANEE BOILER DIVISION

101 FRANKLIN STREET, KEWANEE, ILLINOIS