



high pressure forced draft package units • light oil, gas or oil-gas combination

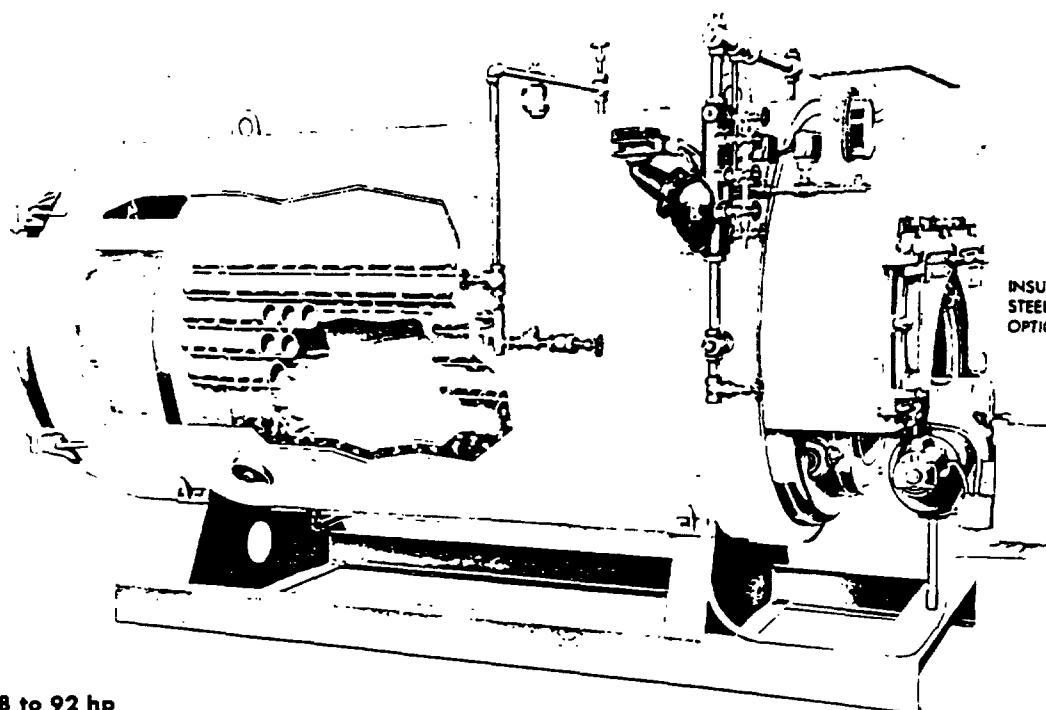
MARCH, 1958

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ASME Code
construction

INSULATED
STEEL JACKET
OPTIONAL

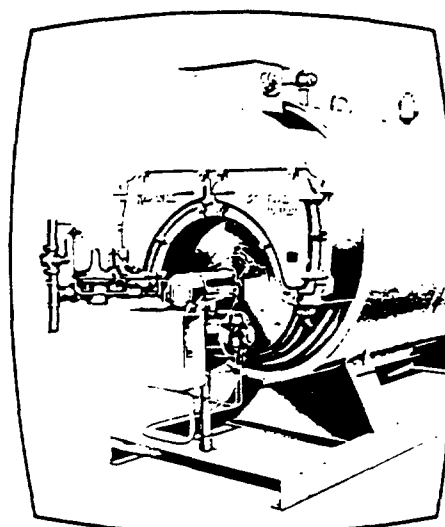


18 to 92 hp
125—150 lb wp... high temperature water above 250° F

Designed to fit the needs of today's long low buildings and limited space, these package units are compact and complete... ready for operation after making service connections. Units offer choice of light oil, L. P. or natural gas. Combination oil-gas burners also available, meet requirements in areas requiring oil standby.

Iron Fireman C-120 or C-240 burner controls are housed in an integral control panel. Units have all necessary operating controls including electronic combustion control system. Forced draft fan supplies all air for combustion under pressure... only stub stack required. Boiler is famous Kewanee Scotch type with hinged rear door* and cast iron flue doors for easy cleaning and inspection—ample steam space and water content—generous heating surface for fast pick-up. Units are factory assembled... fire-tested, if desired. If preferred, boilers and burners can be shipped separately to job-site. For burner details, see Bulletin 3319-3.

*Bolted rear cover plate on two larger sizes



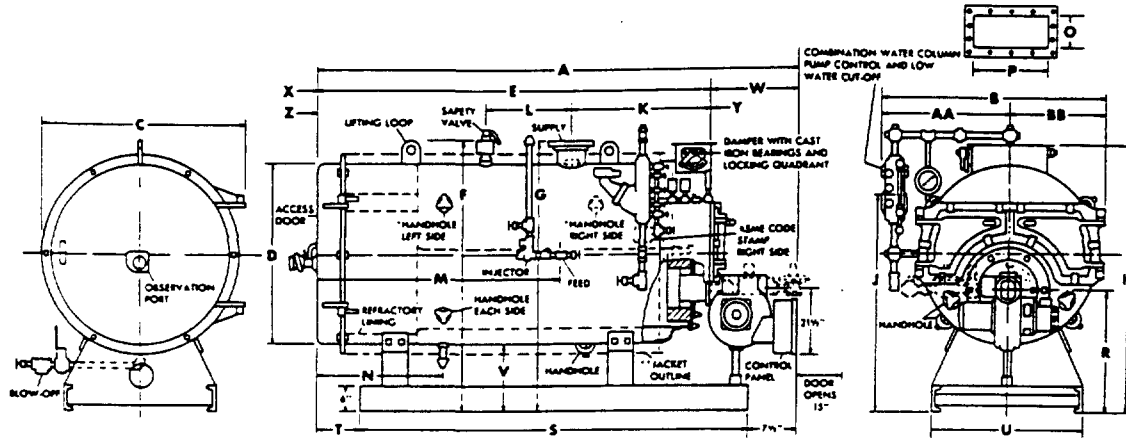
combination oil-gas unit

ratings

unit number		KIF-18-C	KIF-25-C	KIF-39-C	KIF-45-C	KIF-59-C	KIF-65-C	KIF-78-C	KIF-92-C
rating — horsepower		18	29	39	45	59	65	78	92
— MBtuh		606	967	1316	1530	1971	2191	2625	3091
— steam per hour — 212° F	lb	624	996	1356	1577	2031	2258	2705	3185
burning rate — No. 2 oil**	gph	5.4	8.6	11.7	13.6	17.5	19.5	23.4	27.5
— gas***	MBtuh	757	1208	1645	1912	2463	2738	3281	3863
heating surface	sq ft	99	158	215	250	322	358	429	500
burnace volume — plain burnace	cu ft	16.9	21.4	29.6	32.0	47.9	50.8	62.5	67.7
— corrugated burnace	cu ft								
safety valve capacity	lb steam per hr	792	1264	1720	2000	2576	2864	3432	4000

*Certified output. **Based on 140,000 Btu oil. ***5" W.C. minimum gas pressure at inlet to burner control manifold.

**forced draft package units • high pressure
light oil, gas or oil-gas combination**



NOTE: When selecting Package Unit, specify: (a) Unit Number, (b) Operating Pressure, (c) Type (steam or hot water), (d) Burner Model desired (oil, gas or oil-gas combination), (e) Gas (type and pressure available) consult local utility.

*HANDHOLES FURNISHED ON KIF 18-C THRU KIF 45-C
HANDHOLE FURNISHED ON KIF 59-C THRU KIF 92-C
OPTIONAL
NOTE: KIF 18-C THRU KIF 65-C ILLUSTRATED

dimensions (feet—inch)

unit number	KIF-18-C	KIF-29-C	KIF-39-C	KIF-45-C	KIF-59-C	KIF-65-C	KIF-78-C	KIF-92-C
A — length overall	8-9	11-3	11-6	12-7	13-3	14-2	13-2½	14-5½
B — width overall	4-6	4-6	5-0	5-0	5-6	5-6	6-1	6-1
C — boiler — width	4-0½	4-0½	4-6½	4-6½	5-0½	5-0½	5-5	5-5
D — — inside diameter	3-6	3-6	4-0	4-0	4-6	4-6	5-0	5-0
E — — length	6-10½	9-4½	9-9½	10-10½	11-7	12-6	11-7	12-10
F — lifting loop height	5-4½	5-4½	5-10½	5-10½	6-5	6-5	6-10	6-10
G — steam supply height	4-11½	4-11½	5-5½	5-5½	6-0	6-0	7-0	7-0
H — smoke outlet height	5-6	5-6	5-11½	5-11½	6-5½	6-5½	7-1½	7-1½
J — water line height	4-3	4-3	4-7½	4-7½	5-0½	5-0½	5-7½	5-7½
K — steam supply	2-3	2-9	2-11	2-11	3-0	3-6	3-1	3-7
L — safety valve	1-8	1-8	1-8	1-8	3-6	3-6	4-3	4-4
M — feed water, each side	4-5	6-4½	6-8	7-9	6-7	7-0	6-6	7-1
N — blow-off	2-6	2-6	2-9	2-9	3-0	3-0	4-0	4-0
O — smoke outlet — inside width	0-8	0-8	0-10	0-10	0-11	0-11	1-0	1-0
P — — inside length	0-10	0-10	1-1	1-1	1-2	1-2	1-5	1-5
R — furnace height	2-5½	2-5½	2-6½	2-6½	2-10	2-10	3-1½	3-1½
S — base — length	7-5	9-11	9-10½	10-11½	11-5	12-4	11-1	12-3½
T — — location	0-8½	0-8½	1-0	1-0	1-2½	1-2½	1-6	1-6½
U — — width	3-0	3-0	3-6	3-6	4-0	4-0	5-0	5-0
V — floor to boiler	1-4	1-4	1-4	1-4	1-4	1-4	1-6	1-6
W — burner front to boiler	1-10½	1-10½	1-8½	1-8½	1-8	1-8	1-7½	1-7½
X — rear door clearance	3-6	3-6	4-0	4-0	4-6	4-6	6-11	8-1½
Y — tube replacement space — front	3-5½	5-11	5-9½	6-10½	7-2	8-1	6-11	8-1½
Z — — rear	2-2½	4-8	4-5½	5-6½	5-8	6-7		
AA — width	2-7½	2-7½	2-10½	2-10½	3-1½	3-1½	3-5	3-5
BB — width	1-10½	1-10½	2-1½	2-1½	2-4½	2-4½	2-8	2-8

data

unit number	KIF-18-C	KIF-29-C	KIF-39-C	KIF-45-C	KIF-59-C	KIF-65-C	KIF-78-C	KIF-92-C
vent diameter	in. 8	10	12	13	14	14	15	16
steam supply size	in. 2	2	2	2	3	3	4*	4*
blow-off size	in. 1	1	1	1	1½	1½	2	2
feed water size	in. ¾	¾	¾	¾	¾	¾	1½	1½
gas inlet	in. 1½	1½	1½	2	2	2	2½	2½
*outside surface to cover	sq ft 63	90	107	121	145	158	178	197
approximate weight — 125 lb wp	lb 4150	5100	6250	7000	9000	9500	11700	12400
— 150 lb wp	lb 4250	5200	6300	7050	9100	9650	12600	13000

*300 lb American Standard Flange

**Front of boiler and smokebox NOT included

Standard equipment—Boilers mounted on steel skids, gas-tight front steel smokebox with insulated cast iron gasketed flue doors, factory installed rear combustion chamber, hinged rear combustion chamber door with pyrex observation port on KIF 18-C thru KIF 65-C, rear cover plate with access panel and pyrex observation port on KIF 78-C and KIF 92-C, Spinner blades, quadrant lock damper, boiler lifting loops, and flue cleaner with handle. Manhole on KIF 59-C thru KIF 92-C. Note: Refractory lined burner mounting plate furnished by burner manufacturer.

Standard steam trimmings—Safety valve(s), steam gage and cock, combination water column, pump control and low water cut-off with wheel operated gage and iron cock assembly, blow-off valves, globe and check valves for boiler feed line, injector, iron piping and fittings attaching trimmings to boiler.

Standard water trimmings—Water relief valve(s), low water cut-off, blow-off valves, iron piping and fittings attaching trimmings to boiler.

Standard equipment subject to change without notice.

12202



AMERICAN-Standard
KEWEE BOILER DIVISION
101 FRANKLIN STREET, KEWEE, ILLINOIS



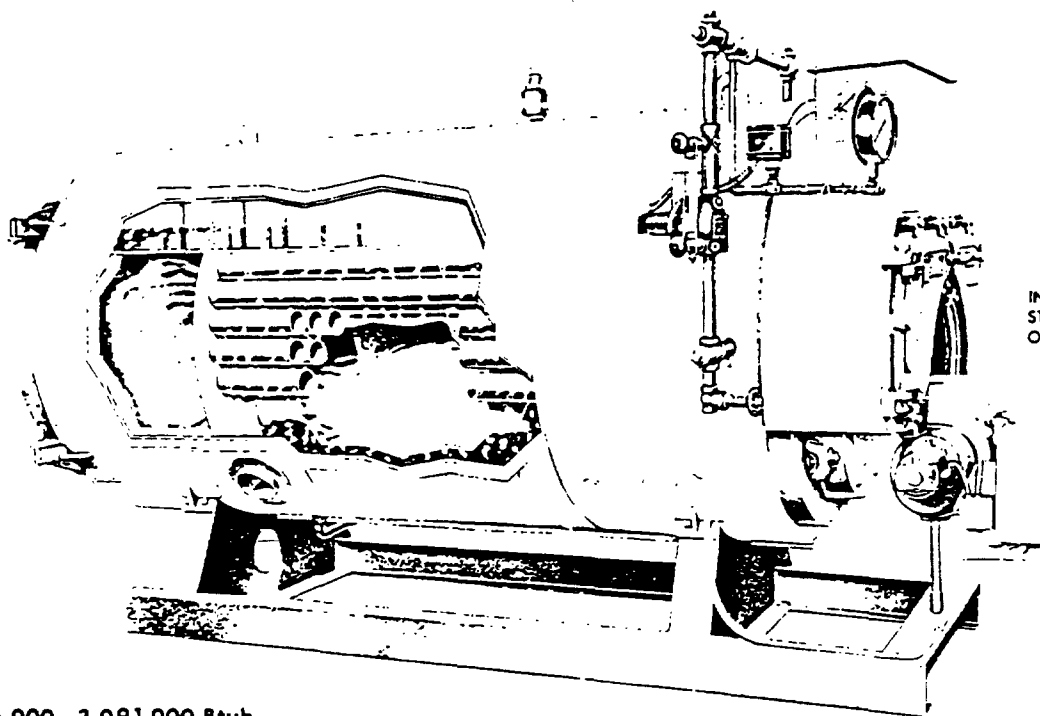
low pressure forced draft package units • light oil, gas or oil-gas combination

MARCO 751



ASME Code
construction

INSULATED
STEEL JACKET
OPTIONAL

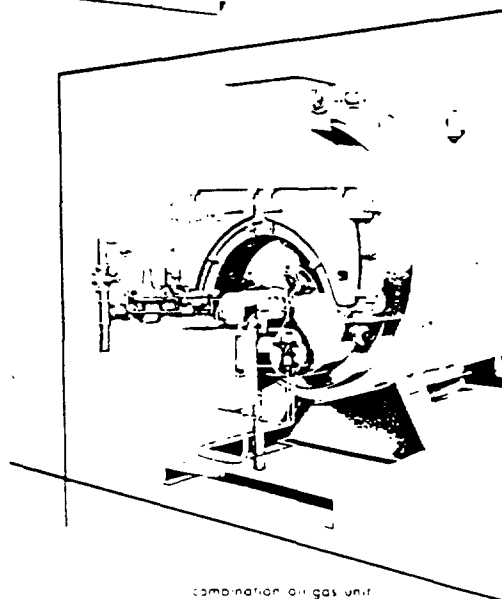


606,000—3,091,000 Btuh
15 lb steam—30 lb water 250° F maximum

Steam or hot water for heating is at its automatic best with this complete package unit. Compact in design, all controls, gages and wiring are conveniently located, burner controls housed in integral control panel. Electronic combustion control system is standard equipment. Forced draft fan supplies air for combustion under pressure for constant air supply with only a vent required. Offers choice of light oil, L. P. or natural gas. Versatile combination oil-gas burner is ideal for areas requiring oil standby. For burner details, see Bulletin 3319-3.

A few of the unit's outstanding features are refractory lined rear combustion chamber with water back top, hinged rear door* with observation port, hinged cast iron front flue doors, steel skids, optional insulating jacket and lifting loops, heavy flange steel shell; generous steam space, water content and furnace volume. Units are factory assembled, fire-retarded, if desired. Boiler and burner can be shipped separately to job-site, if preferred.

*Hinged rear door available on larger sizes.



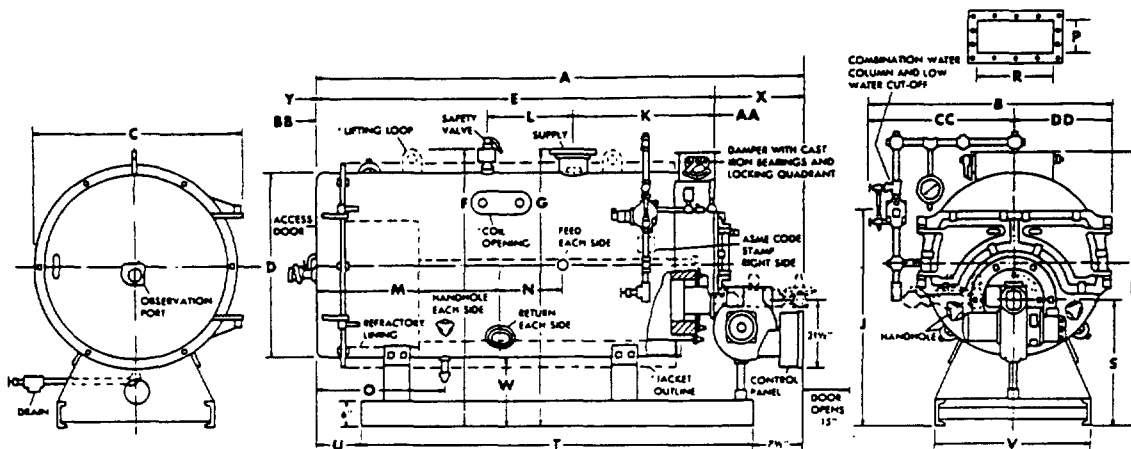
combination oil-gas unit

ratings

unit number		KIF-18-C	KIF-29-C	KIF-39-C	KIF-45-C	KIF-59-C	KIF-65-C	KIF-78-C	KIF-92-C
rating — steam	sq ft	2520	4030	5480	6370	8210	9130	10940	12380
— water	sq ft	4040	6450	8770	10200	13140	14610	17500	20010
— MBtuh		606	967	1316	1530	1971	2191	2625	3091
— steam per hour	lb	624	996	1356	1577	2031	2258	2705	3185
rating — No. 2 oil***	gal/hr	5.4	8.6	11.7	13.6	17.5	19.5	23.4	27.5
— gas***	MBtuh	757	1208	1645	1912	2463	2738	328	3807
heating surface	sq ft	99	158	215	250	322	358	429	500
furnace volume	cu ft	10.5	21.7	29.9	32.7	52.5	56.0	64.8	72.0
safety valve capacity	lb steam per hr	606	967	1316	1530	1969	2188	2625	3091

*Certified design. **Based on 140,000 Btu oil. ***5" W.C. minimum gas pressure at inlet to burner.

**forced draft package units • low pressure
light oil, gas or oil-gas combination**



NOTE: When selecting Package Unit, specify: (a) Unit Number, (b) Operating Pressure, (c) Type (steam or hot water), (d) Burner Model desired (oil, gas or oil-gas combination), (e) Gas (type and pressure available) consult local utility

KIF 18-C THRU KIF 45-C ILLUSTRATED
MANHOLE ON KIF 19-C THRU KIF 92-C
OPTIONAL

dimensions (feet—inches)

unit number	KIF-18-C	KIF-29-C	KIF-39-C	KIF-45-C	KIF-59-C	KIF-65-C	KIF-78-C	KIF-92-C
A — length overall	8-5	10-11	11-2	12-3	13-5	14-4	13-2½	14-5½
B — width	4-8	4-8	5-2	5-2	5-9	5-9	6-3	6-3
C — boiler — width	4-0½	4-0½	4-0½	4-0½	4-11	4-11	5-5	5-5
D — — inside diameter	3-6	3-6	4-0	4-0	4-6	4-6	5-0	5-0
E — — length	6-8	9-2	9-7	10-8	11-8½	12-7½	11-7	12-10
F — lifting loop height	5-4½	5-4½	5-10½	5-10½	6-5½	6-5½	6-10	6-10
G — steam supply height	4-11½	4-11½	5-10	5-10	6-7	6-7	7-0	7-0
H — smoke outlet height	5-6	5-6	5-11½	5-11½	6-8½	6-8½	7-1½	7-1½
J — water line height	4-2½	4-2½	4-7	4-7	5-3½	5-3½	5-8	5-8
K — steam supply	2-3	2-9	2-11	2-11	3-0	3-6	3-1	3-7
L — safety valve	1-8	1-8	1-8	1-8	5-4	5-9	5-2	5-10
M — return, each side	3-4	3-6	4-0	4-0	4-4	4-4	4-4	4-4
N — feed water, each side					2-4	2-9	2-2	2-9½
O — drain	2-6	2-6	2-9	2-9	4-0	4-0	4-0	4-0
P — smoke outlet — inside width	0-8	0-8	0-10	0-10	0-11	0-11	1-0	1-0
R — — inside length	0-10	0-10	1-1	1-1	1-2	1-2	1-5	1-5
S — furnace height	2-5½	2-5½	2-6½	2-6½	3-1	3-1	3-1½	3-1½
T — base — length	7-5	9-11	9-10½	10-11½	11-3½	12-2½	11-1	12-3½
U — — location	0-4½	0-4½	0-8	0-8	1-6	1-6	1-6	1-6½
V — width	3-0	3-0	3-6	3-6	4-6	4-6	5-0	5-0
W — floor to boiler	1-4	1-4	1-4	1-4	1-7	1-7	1-6	1-6
X — burner front to boiler	1-9	1-9	1-7	1-7	1-8½	1-8½	1-7½	1-7½
Y — rear door clearance	3-6	3-6	4-0	4-0				
AA — tube replacement space — front	3-3	5-9	5-7	6-8	7-2	8-1	6-11	8-1½
BB — — rear	2-0	4-6	4-3	5-4				
CC — width	2-9½	2-9½	3-0½	3-0½	3-4½	3-4½	3-7	3-7
DD — width	1-10½	1-10½	2-1½	2-1½	2-4½	2-4½	2-8	2-8

data

unit number	KIF-18-C	KIF-29-C	KIF-39-C	KIF-45-C	KIF-59-C	KIF-65-C	KIF-78-C	KIF-92-C
vent diameter	in 8	10	12	13	14	14	15	16
steam supply size	in 4	4	6*	6*	6*	6*	8*	8*
return size (two)	in 4	4	4	4	4	4	4	4
drain size	in 1½	1½	1½	1½	1½	1½	2	2
feed water size	in 1½	1½	1½	1½	1½	1½	1½	1½
gas inlet	in 1½	1½	1½	2	2	2	2½	2½
*outside surface to cover	sq ft 61	88	105	119	165	180	180	200
approximate weight	lb 3400	4000	5400	6000	7750	8550	9150	9950

*150 lb American Standard F angle

**Front of boiler and smokebox "N.C." included

Standard equipment—Boilers mounted on steel skids; gas tight front steel smokebox with insulated cast iron gasketed flue door; factory installed rear combustion chamber; hinged rear combustion chamber door with pyrex observation port; KIF 18-C thru KIF 45-C rear cover plate with access panel and pyrex observation port; KIF 59-C thru KIF 92-C Spinner-bladed Quadrant-act damper; fuel cleaner with handle; Manhole; KIF 59-C thru KIF 92-C hose; Retraction filled burner; mounting plate furnished by burner manufacturer.

Standard steam trimmings—Safety valves; steam gage and cock; combination water column; water gage and low water cut-off; Angle drain valve; iron piping and fittings attaching these trimmings to boiler.

Standard water trimmings—Water relief valves; pressure gage; thermometer; low water cut-off; iron piping and fittings attaching these trimmings to boiler; Angle drain valve.

Standard equipment subject to change without notice.

12204



AMERICAN-Standard
INDUSTRIAL DIVISION