



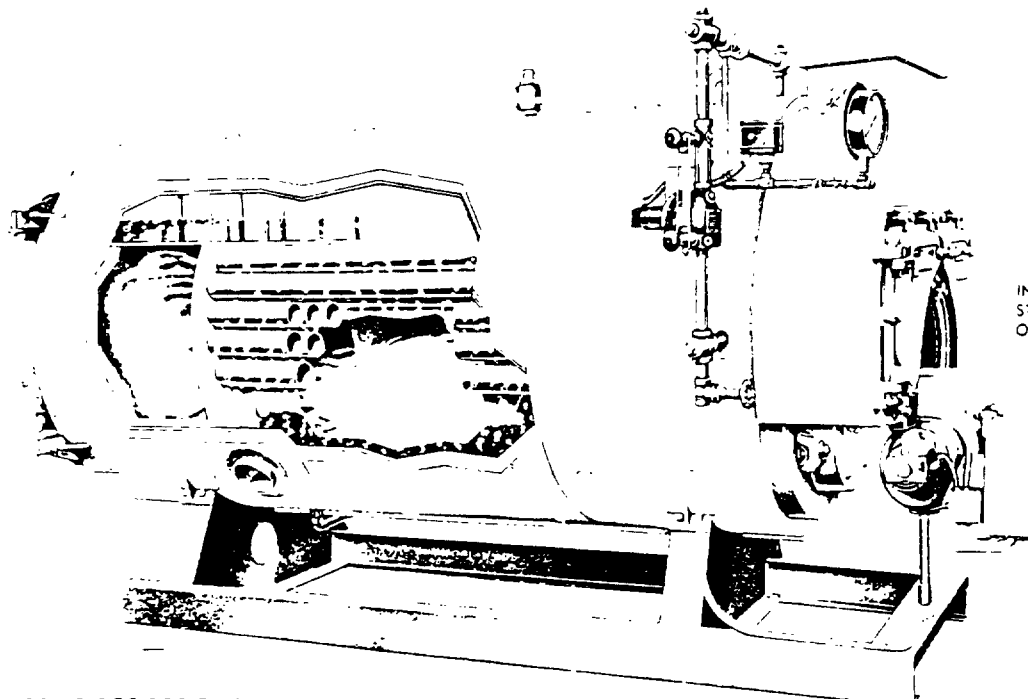
low pressure forced draft package units • light oil, gas or oil-gas combination

max C- 250



ASME Code construction

INSULATED STEEL JACKET OPTIONAL



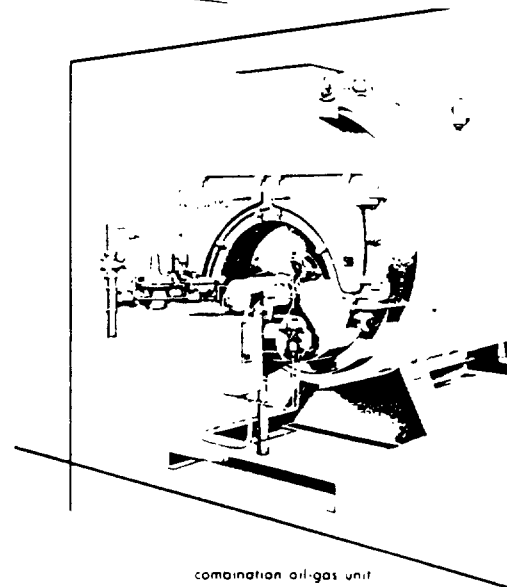
24677

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-tested, if desired. Boiler and burner can be shipped separately to job-site, if preferred.

*Hinged rear door plate on four larger sizes.



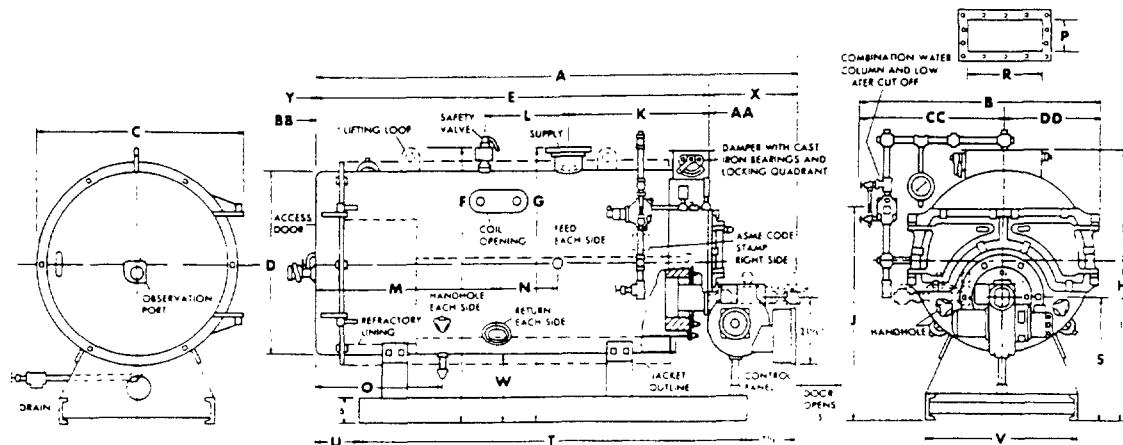
combination oil-gas unit

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 — steam	sq ft	2520	4030	5480	6170	8210	9130	10940	12980
— water	sq ft	4040	6450	8770	10200	13140	14610	17500	20610
— MBtuh		606	967	1316	1530	1971	2191	2625	3091
— steam per hour — 212° F	lb	624	996	1356	1577	2031	2258	2705	3185
firing 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	506
furnace volume	cu ft	16.5	21.7	29.9	32.7	52.5	56.0	64.8	73.6
safety valve capacity	lb steam per hr	606	967	1316	1530	1969	2188	2625	3091

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

**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 59-C THRU KIF 92-C
OPTIONAL

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	8-5	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	4-6½	4-6½	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	12-9½	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 — tube replacement space — 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	2	2	2	2½	2½
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 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. 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 blades. Quadrant lock damper. Flue cleaner with handle. Manhole. 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 cocks, 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 valve(s), 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.



AMERICAN-Standard
INDUSTRIAL DIVISION
DETROIT 32 MICHIGAN