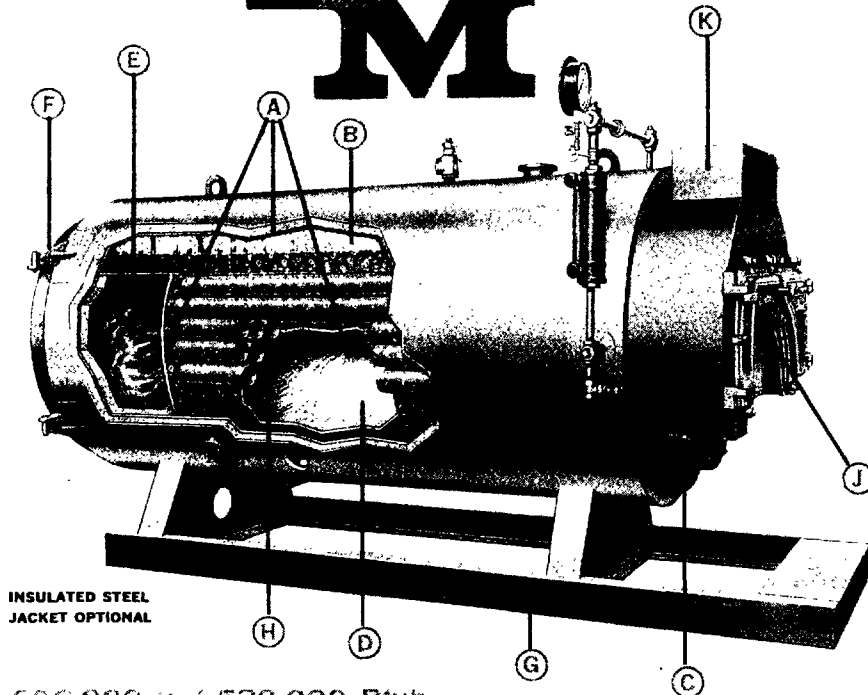


PLAINTIFF'S EXHIBIT

ASI-1187

LM SERIES



606,000 to 1,530,000 Btuh
15 psi steam - 30 psi water 250°F maximum

This famous line of Kewanee boilers incorporates many proven features found in the Scottie Junior high pressure series. Substantial steel skids, heavy flange steel shell, cast iron flue doors, and generous furnace volumes are only a few of the many quality features that are built into the low pressure Scottie Junior series.

Rear combustion chamber is heavily lined with refractory and designed with water back top; adapter mounting plate makes assembly with standard gas or oil burners easy. Insulated steel jacket is optional.

The boiler is also available as a forced draft boiler-burner unit for oil, gas or oil-gas combination.

low pressure • oil or gas

- A** Shell, heads and furnace are fabricated from heavy flange steel. All welds in accordance with ASME Code.
- B** Ample steam space, large unbroken disengaging area and well spaced tubes eliminate violent agitation of water . . . insure rapid circulation, fast pick-up and constant supply of steam or hot water.
- C** Adequate washout openings give access to waterside for cleaning and inspection.
- D** Plain circular furnace has sufficient volume for complete combustion of fuels.
- E** Rear combustion chamber . . . with high temperature refractory lining installed at the factory. Designed with water back top.
- F** Hinged combustion chamber door with pyrex observation port.
- G** Sturdy steel skids simplify handling and installation. No special foundation is needed.
- H** Long gas travel, through the lengthy combustion chamber, then back through the full length of heavy gage 3" tubes, assures maximum transfer of heat to boiler water.
- J** Refractory filled cast iron flue doors, mounted on heavy-duty hinges, provide easy access to fire tubes for cleaning and inspection.
- K** Gas-tight smokebox of heavy gage steel . . . welded to boiler shell and gasketed cast iron flue doors make the Scottie Junior adaptable to forced draft firing.

ratings • mechanically fired — oil or gas

BOILER NUMBER		LM-18	LM-29	LM-39	LM-45	LM-59	LM-65	LM-78	LM-92
*Rating—steam	sq ft	2520	4030	5480	6370				
—water	sq ft	4040	6450	8770	10200				
—MBtuh		606	967	1316	1530				
—steam per hour—212° F	lb	624	996	1356	1577				
Firing rate—No. 2 oil**	gph	5.4	8.6	11.7	13.6				
—No. 5 oil**	gph	5.0	8.0	10.9	12.7				
—gas	MBtuh	757	1208	1645	1912				
Heating surface	sq ft	99	158	215	250				
Furnace volume	cu ft	16.5	21.7	29.9	32.7				
Safety valve capacity	lb steam per hr	606	967	1316	1530				

*Certified output. **Based on 140,000 Btu No. 2 Oil—150,000 Btu No. 5 Oil.

Standard equipment—Factory installed rear combustion chamber. Hinged rear combustion chamber door with pyrex observation port. Flue cleaner with handle. Standard burner mounting plate with secondary air opening and standard refractory ring for oil burning. Plain burner mounting plate only (less refractory) for gas burning. Gas-tight steel front smokebox with insulated cast iron gasketed flue doors; steel skids; lifting loops.

Standard equipment subject to change without notice.

Standard steam trimmings—Safety valve as required by ASME Code; steam gage with siphon and cock; water column with water gage.

Standard water trimmings—Relief valve(s) as required by ASME Code.

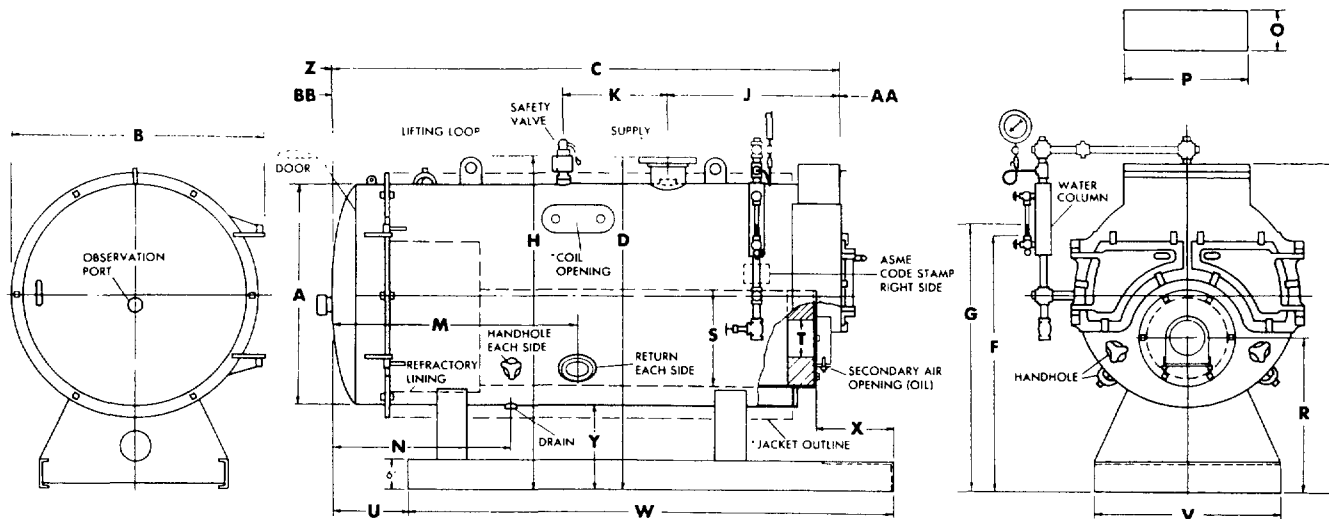
Optional equipment—Insulated jacket; spinner blades; combination water column and low water cut-off; combination water column, pump control and low water cut-off; hot water heating coil.

SUPERSEDED JULY 1, 1963
BY FOLLOWING MODELS
LISTED IN BULLETIN 84-1-49A

LW-878 LW-879 LW-880 LW-881

28473

BULLETIN 84-2-49A
Supersedes Bulletin 3213-2



scottie junior

LM SERIES

low pressure oil or gas

dimensions and data (inches)

BOILER NUMBER	LM-18	LM-29	LM-39	LM-45
A—Boiler—inside diameter	42	42	48	48
B—width overall	48½	48½	54½	54½
C—length	82½	112½	118½	131½
D—Steam supply height	59½	59½	70	70
E—Smoke outlet height	62½	62½	68½	68½
F—Water column height	47½	47½	52	52
G—Water line height	49½	49½	54	54
H—Lifting loop height	64¼	64¼	70½	70½
J—Steam supply	27	33	35	35
K—Safety valve	20	20	20	20
M—Return, each side	42½	44½	51½	51½
N—Drain	32½	32½	36½	36½
O—Smoke outlet—outside width	8⅝	8⅝	10⅝	10⅝
P—outside length	24⅝	24⅝	26⅝	26⅝
R—Furnace—height	29½	29½	30½	30½
S—inside diameter	18	18	20	20
T—Hole diameter—oil burner refractory	7	7	7½	7½
U—Base—location	7	7	11½	11½
V—width	36	36	42	42
W—length	86½	116½	116½	129½
X—extension	18	18	18	18
Y—Floor to boiler	16	16	16	16
Z—Rear door clearance	39	39	44	44
AA—Tube replacement space—front	39	69	67	80
BB—rear	22	51½	48	61
Breeching diameter	17	18	20	20
Stack—diameter	14	15	17	18
—height (ft)	15-0	20-0	20-0	20-0
Steam supply size	4	4	6*	6*
Return size (two)	4	4	4	4
Drain size	1½	1½	1½	1½
Water column size	1	1	1	1
**Outside surface to cover	sq ft	61	88	105
Approximate weight	lbs	2800	3400	4800

*150 lb American Standard Flange. **Front and rear of boiler and smokebox NOT included.

LM-59 LM-65 LM-78 LM-92

SUPERSEDED JULY 1, 1963
BY FOLLOWING MODELS
LISTED IN BULLETIN 84-1-49A
LW-878 LW-879 LW-880 LW-881



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