



## KEWANEE Return Tube SCOTCH MARINE BOILER

### SPECIFICATIONS NEW 100 Lb. Steam A.S.M.E. CODE NEW High Pressure Steam

	HM6	HM9	HM15	HM20	HM25	HM30
<b>Boiler Number</b> .....	HM6	HM9	HM15	HM20	HM25	HM30
<b>Rating, Mechanical-Fired</b>						
—Horsepower .....	7	12	18	24	30	36
—Thousands of Btu per Hour .....	234	400	600	800	1020	1200
—Pounds of Steam per Hour .....	242	410	620	830	1050	1240
<b>Rating, Hand-Fired</b>						
—Horsepower .....	6	9.9	15	20	25	30
—Thousands of Btu per Hour .....	200	331	500	670	840	1020
—Pounds of Steam per Hour .....	207	342	520	690	865	1050
<b>Heating Surface</b> .....	60	99	150	200	250	300
Grate Area .....	3.5	4	6	8	10	12
Furnace Volume .....	15.5	24.1	29.4	34.6	47.3	53.1
<b>K—Shell Diameter</b> .....	42	48	48	48	54	54
<b>L—Length</b> .....	61	63	84	105	105	122
<b>H—Furnace Diameter</b> .....	21	24	24	24	28	28
<b>J—Grate Length</b> .....	24	24	36	48	54	60
<b>Steam Supply Size</b> .....	2	2	2	2	2	3
<b>Blow-off Size</b> .....	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/2
<b>Safety Valve Size—</b>						
Coal, hand-fired .....	3/4	1	1 1/4	1 1/2	2	2 1/2
Oil or Gas .....	1	1 1/4	2	2 1/2	2 1/2	2
Stoker .....	1	1 1/4	1 1/2	2	2 1/2	2
<b>Fire Door Opng, Width</b> .....	15	16	16	16	18	18
<b>Height</b> .....	10	11	11	11	12	12
<b>Ash Door Opng, Wdt. x Hgt.</b> .....	15x6 1/4	16x6 1/2	16x6 1/2	16x6 1/2	18x7 1/2	18x7 1/2
<b>Breeching Diameter</b> .....	14	16	17	19	20	22
<b>Stack Diameter</b> .....	12	14	15	17	18	20
<b>Height</b> .....	30	35	40	40	40	45
<b>Outside Surface to Cover</b> .....	57	67	90	111	125	145
<b>Shipping Weight—On Skids with Regular Fixtures, less Stack</b> .....	3700	4800	6300	7000	7800	8500

	HM6	HM9	HM15	HM20	HM25	HM30
<b>Boiler Number</b> .....	HM6	HM9	HM15	HM20	HM25	HM30
<b>A—Boiler Width Overall</b> .....	47	53	53	53	59	59
<b>B—Length, Overall, hand-fired</b> .....	77 1/2	80	101	122	123	140
<b>BB—Length, Overall, oil-gas</b> .....	82 1/2	84 1/2	105 1/2	126 1/2	127	144
<b>C—Height Overall Shell</b> .....	54 1/2	62	62	62	67 1/2	67 1/2
<b>D—Water Line</b> .....	46 1/2	53	53	53	57 1/2	57 1/2
<b>E—Water Column Height</b> .....	44 1/2	51	51	51	55 1/2	55 1/2
<b>EE—Height from Boiler CL</b> .....	11 1/4	13 1/4	13 1/4	13 1/4	15	15
<b>F—Steam Supply Location</b> .....	13	14	18	24	18	24
<b>G—Safety Valve Location</b> .....	15	15	15	16 1/2	22 1/2	16 3/4
<b>M—Breeching Connection</b> .....	24	30	30	30	38	38
<b>N—Location</b> .....	5 1/2	6	6	6	7 1/2	7 1/2
<b>O—Height</b> .....	44 1/4	50	50	50	54 1/2	54 1/2
<b>P—Clearance Beneath Shell</b> .....	12	13 1/4	13 1/4	13 1/4	13	13
<b>Q—Legs Location</b> .....	38 1/2	39 1/2	43	61	60	77
<b>R—Skids Location</b> .....	37 1/2	42	42	42	45	45
<b>Plate Thickness—Shell</b> .....	3/8	3/8	3/8	3/8	3/8	3/8
<b>—Heads</b> .....	3/8	7/8	7/8	7/8	7/8	7/8
<b>—Furnace</b> .....	3/8	3/8	3/8	3/8	1 1/2	1 1/2
<b>Return Tubes—Number</b> .....	16	28	28	28	36	36
<b>—Diameter</b> .....	3	3	3	3	3	3
<b>—Length</b> .....	40	42	63	84	83	100
<b>Steel Smoke Stack—Gauge No.</b> .....	14	14	14	14	12	12
<b>at extra cost. —Diameter</b> .....	12	14	15	17	18	20
<b>—Length</b> .....	30	35	40	40	40	45
<b>—Weight</b> .....	350	450	550	650	1000	1200

**EQUIPMENT**—All Boilers mounted on skids; equipped with Handholes; Manhole in 54" boilers only; Smokebox with Damper; Insulated Flue Doors; Refractory lined rear Combustion Chamber; Rear End Plate with cleanout door, 3/4" Fusible Plug Socket Wrench; Flue Scraper with handle.

**TRIMMINGS**—All Steam Boilers: Cast Iron Water Column with standard Gauge Glass Cocks, Gauge Glass, Guards, three Try-cocks; Steam Gauge, Syphon and Cock; Safety Valve; 3/4" Penberthy Injector; Blow-off Valve; Piping and Fittings for attaching trimmings to boiler.

No trimmings furnished with hot water boilers. No mechanical firing equipment included and no damper in smokebox outlet.

**COAL Hand-Fired**—Cast iron Furnace front with Firedoor and Liner; Ash Door with Ratchet Draft door; Stationary Grates and Supports; Refractory Bridgwall; Hoe, Poker.

**OIL or GAS Fired**—Steel Furnace extension with coverplate and peephole. **STOKER Fired**—Furnace Front with doors NOT furnished by K. B. Corp.