



B32

ALL WEIGHTS FOR ENGINE AND TENDER IN WORKING ORDER

CRB 1/10/62

ITEM NO	BOILER	HEATING SURFACE	LENGTH OVER TUBE SHEETS	DIA	GAUGE OR THICK.	DESIGN DATA	GENERAL DATA
1	BOILER TUBES-198-SPACING 3/4"	2089	18' 0"	2 1/4"	#12 MIN.	CALCULATED EVAPORATION	BOILER PRESSURE 200 LBS.
2	BOILER FLUES-36-SPACING 3/4"	928	18' 0"	5/2"	#10 MIN.	TUBES @ 9.46 LBS.	TRACTIVE EFFORT 37650 LBS.
3	TOTAL TUBES AND FLUES	3017				FLUES @ 10.6 LBS.	FACTOR OF ADHESION 4.75
4	FIRE BOX PROPER	210				FIRE BOX @ 55 LBS.	MAX. CURVATURE 76°
5	COMBUSTION CHAMBER	65				COMB. CHAMBER @ 55 LBS.	ENGINE TRUCK SWING 3 1/4"
6	SYPHONS-2 FIREBOX-1 COMB. CHAMBER	97				3 SYPHONS @ 55 LBS.	TRAILING TRUCK SWING 4 1/4"
7	TOTAL FIRE BOX	366				TOTAL EVAPORATION 49730 LBS.	COAL CAPACITY 16 TONS
8	TOTAL EVAPORATING HEATING SURFACE	3385				ST. CONSUMPTION (2122 X 20.8)	WATER CAPACITY 16000 GAL.
9	TOTAL SUPERHEATING HEATING SURFACE	776				BOILER FACTOR 106%	VALVE GEAR BAKER-ROLLER-BEARING
10	TUBE SHEETS-F1. 3/8"-BK. 1/2"					FIRE BOX H.S. TO GRATE AREA 6.18	STOKER HT-1
11	GRATE AREA		59.2 SQ. FT.			TOTAL EVAP. H.S. TO FIREBOX H.S. 9.24	FEED WATER HEATER ELESKO
						TOTAL EVAP. H.S. TO SUPHTG. H.S. 4.36	THROTTLE-CHAMBERS, SIPS CONT. - POMPS, E
						GRATE AREA 122.870	MAX. CUT OFF 87.790
						FRAME CENTERS 42" FRAME WIDTH 5 1/2"	