



B34

CRB

1/14/62

ITEM	BOILER	HEATING SURFACE	LENGTH	DIA.	GAUGE OR THICK.	DESIGN DATA	GENERAL DATA
1	BOILER TUBES-239 SPACING 3/4"	1991	16'-0"	2"	#12 MIN	CALCULATED EVAPORATION LBS./HR.	BOILER PRESSURE 200 LBS.
2	BOILER FLUES-38 SPACING 1/2"	871	16'-0"	3"	#10 MIN	TUBES @ 9.60 19120 LBS.	TRACTION EFFORT 60600 LBS.
3	TOTAL TUBES + FLUES	2862				FLUES @ 11.25 9780 LBS.	FACTOR OF ADHESION 4.08
4	FIRE BOX PROPER	186				ARCH TUBES @ 53 1230 LBS.	MAX. CURVATURE 25°
5	COMBUSTION CHAMBER					COMBUSTION CHAMBER	ENGINE TRUCK SWING
6	ARCH TUBES-4	23	8' 3/4"	3"	#8 MIN	FIRE BOX @ 65 10230 LBS.	TRAILING TRUCK SWING
7	TOTAL FIRE BOX	209				TOTAL EVAPORATION 40400 LBS.	COAL CAPACITY 13 TONS
8	TOTAL EVAPORATING HEATING SURFACE	3071				ST. CONSUMPTION 20 BX 26 3 3350 LBS.	WATER CAPACITY 10,000 GALS.
9	TOTAL SUPERHEATING HEATING SURFACE	740				BOILER FACTOR 74.3	STOKER
10	TUBE SHEETS FT. 7/16" BK. 1/2"					FIRE BOX H.S. TO GRATE AREA 3.72	VALVE GEAR WALSCHLAERT
11	GRATE AREA		56.154 FT.			TOTAL H.S. TO FIRE BOX H.S. 14.70	SUPERHEATED THROTTLE - CHAMBERS
12	WEIGHT WATER 1 1/2 GAUGES					TOTAL H.S. TO SUPERHEATER H.S. 4.14	MAX CUTOFF 89.4%
13						233 AREA TANK TUBES + FLUES 108%	
14						FRAME STRS 4" FRAME WIDTH 5"	
15							