



ALL WEIGHTS FOR ENGINE AND TENDER IN WORKING ORDER

B29

AB

1/10/62

ITEM	BOILER	HEATING SURFACE	LENGTH OVER TUBE SHEETS	DIA.	GAUGE OR THICK	DESIGN DATA	GENERAL DATA
1	BOILER TUBES - 180 - SPACING 3/4"	2270	21'-6"	2 1/2"	* 12 MIN.	CALCULATED EVAPORATION LBS./HR.	BOILER PRESSURE 200 LBS.
2	BOILER FLUES - 28 - SPACING 3/4"	863	21'-6"	5"	* 10 MIN.	TUBES @ 8.44 LBS.	TRACTIVE EFFORT 34700 LBS.
3	TOTAL TUBES + FLUES	3133				FLUES @ 9.58 LBS.	FACTOR OF ADHESION 4.65
4	FIREBOX PROOF	194				FIRE BOX @ 55 LBS.	MAX. CURVATURE 16"
5	COMBUSTION CHAMBER					COMBUSTION CHAMBER	ENGINE TRUCK SWING 3 1/4"
6	ARCH TUBES - 4	29	9'-5 1/4"	3"	* 8 MIN.	ARCH TUBES @ 55 LBS.	TRAILING TRUCK SWING 4 1/4"
7	TOTAL FIRE BOX	223				TOTAL EVAPORATION	COAL CAPACITY 13 TONS
8	TOTAL EVAPORATING HEATING SURFACE	3336				ST. CONSUMPTION (20% X 20%)	WATER CAPACITY 6000 GALS.
9	TOTAL SUPERHEATING HEATING SURFACE	730				BOILER FACTOR	VALVE GEAR WALSCHAERT'S
10	TUBE SHEETS - FT. 3/8 BK. 1/2"					FIRE BOX H.S. TO GRATE AREA	STOKER
11	GRATE AREA				53.2 SQ FT	TOTAL EVAP. H.S. TO FIREBOX H.S.	FEED WATER HEATER
12	WEIGHT WATER 2 1/2 GAUGES					TOTAL EVAP. H.S. TO SUPERH. H.S.	TITRATTLE - CHAMBERS DOME TYPE IN CONN.
13						MAX. CURVATURE	MAXIMUM CUT OFF
14						FRAME CTRS 4.3"	
15						FRAME WIDTH 4.2"	