

DESIGN LOAD CONDITIONS

1. LOAD 3000 TONS.
2. COOL 6000 G.P.M. OF WATER FROM 57.0°F TO 45.0°F.
3. CONDENSER 9000 G.P.M. OF WATER FROM 85.0°F TO 94.3°F.
4. GEAR INPUT HORSEPOWER 2262.
5. COMPRESSOR SHAFT HORSEPOWER 2227.
6. COMPRESSOR FULL LOAD SPEED 3911 R.P.M.
7. APPROX. EVAPORATOR TEMP. 42.0°F.
8. APPROX. CONDENSER TEMP. 98.0°F.
9. COOLER LIQUID PRESS. DROP 34.4 FT. WATER.
10. CONDENSER WATER PRESS. DROP 31.6 FT.
11. DESIGN TUBE SIDE FOULING FACTOR COOLER 0.0005.
12. DESIGN TUBE SIDE FOULING FACTOR CONDENSER 0.001.
13. CONTROL POWER REQUIREMENTS: ELECTRIC 3.0 KVA, 120 V., 1 PH., 60 HZ.  
PNEUMATIC 3.5 S.C.F.M. AT 70 TO 100 PSIG.
14. AUX. OIL PUMP POWER REQUIREMENTS: 

COMPR.	3.0 H.P.	}	460 V., 3 PH., 60 HZ.
GEAR	2.0 H.P.		
TOTAL	5.0 H.P.		
15. AUX. WATER REQUIREMENTS OIL COOLERS: 

COMPRESSOR	20 G.P.M.,	16 FT. P.D.
ENTERING WATER TEMP. 85.0°F	GEAR	6 FT. P.D.
TUBE SIDE FOULING FACTOR 0.001	TOTAL	36 G.P.M., 23 FT. P.D.
16. MOTOR RATED 2500 H.P., 1800 R.P.M.