

GENERAL-PURPOSE STEAM TURBINE DATA SHEET CUSTOMARY UNITS

JOB NO. _____ ITEM NO. _____
 PURCH. ORDER NO. 885704 DATE 4/1/98
 INQUIRY NO. _____ BY _____
 REVISION 1 DATE 10/9/98 ▲

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APPLICABLE TO: PROPOSAL PURCHASE AS BUILT

FOR ACCC/MONSANTO/FARMLAND UNIT _____

SITE BARTOW, FL NO. REQUIRED 1

SERVICE CONTINUOUS DRIVEN EQUIPMENT COMPRESSOR

MANUFACTURER ELLIOTT MODEL 2DYPPE3 SERIAL NO. C802707

NOTE: INDICATES INFORMATION COMPLETED BY PURCHASER BY MANUFACTURER

<input type="radio"/> OPERATING CONDITIONS			<input type="checkbox"/> PERFORMANCE		
OPERATING POINT	POWER, BHP	SPEED, RPM	OPERATING POINT/STEAM CONDITION	NO. HAND VALVES OPEN (3.4.1.4)	STEAM RATE, LBS/HP - HR
NORMAL	5208	2902	NORMAL/NORMAL (CERTIFIED SR)	1	18.9
RATED	5729	2902	RATED/NORMAL	2	18.7
OTHER (2.1.4)			RATED/MIN. INLET-MAX EXHAUST	2	20.7

DUTY, SITE AND UTILITY DATA

APPLICATION IS (SPARED, UNSPARED) _____

SLOW ROLL REQ. (2.10.4) HAND VALVES REQ. (3.4.1.4)

DUTY CONTINUOUS STANDBY

UNATTENDED AUTO START (2.1.8)

LOCATION (2.1.14) INDOOR HEATED UNHEATED
 OUTDOOR ROOF WITHOUT ROOF

AMBIENT TEMP. °F: MIN. _____ MAX. _____

UNUSUAL CONDITIONS (2.11.1.7) DUST SALT ATMOSPHERE
 OTHER SULFURIC ACID

ELECT. AREA (2.1.13) CLASS _____ GROUP _____ DIV _____
 NON-HAZARDOUS

CONTROL POWER V 120 PH. 1 HZ 60

ALX. MOTORS V _____ PH. _____ HZ _____

COOLING WATER: PRESS. PSIG _____ Δ P. PSI _____
 FLOW, GPM _____ Δ T. °F: _____

ALLOW. SOUND PRESS LEVEL (2.1.12) 90 dBA @ 3 FT

STEAM CONDITIONS

	MAX	NORMAL	MIN.
INLET PRESS, PSIG	650	635	635
INLET TEMP, °F	750	750	720
EXHAUST PRESS (PSIG)	40	40	40

STEAM CONTAMINANTS (2.11.1.7)

TURBINE DATA

ALLOW SPEEDS, RPM, MAX 332 MIN _____

MAX CONT SPEED, RPM (1.4.7) 3047

TRIP SPEED, RPM 3352 BLADE TIP VEL, FPS _____

FIRST CRITICAL SPEED, RPM (2.8.2.1) 8000

EXH. TEMP °F _____ NORMAL 414 NO LOAD _____

POTENTIAL MAX. POWER, BHP (1.4.10) 6100

MAX. NOZZLE STEAM FLOW, LBS/HR 122,500

ROTATION FACING GOVERNOR END CCW CW

DRIVEN EQUIPMENT THRUST, LBS (2.9.8)
 (VERTICAL TURBINE) (2.9.3)

WATER PIPING FURN. BY VENDOR OTHERS

OIL PIPING FURN. BY VENDOR OTHERS
(OIL HEADER PIPING ONLY)

APPLICABLE SPECIFICATION

API-611 OTHER _____

CONSTRUCTION

TURBINE TYPE HORIZ VERTICAL

NO STAGES 4 WHEEL DIA., IN. 28

ROTOR: BUILT UP SOLID OVERHUNG BETWEEN BRGS

BLADING 2 ROW 3 ROW RE ENTRY

CASING SPLIT AXIAL RADIAL

CASING SUPPORT CENTERLINE FOOT

VERT. JACKSCREWS (2.1.16)

VERTICAL TURBINE FLANGE
 NEMA "P" BASE OTHER (2.4.9) _____

TRIP VALVE INTEGRAL SEPARATE

INTERSTAGE SEALS LABYRINTH CARBON

END SEALS CARBON RING, NO/BOX 4
 LABYRINTH MATERIAL _____

TYPE RADIAL BEARINGS (2.9.1) SLEEVE

TYPE THRUST BEARING (2.9.2) TILT PAD

THRUST COLLAR (2.9.7.2) REPLACABLE INTEGRAL NONE

LUBE OIL VISCOSITY (2.10.3) 180 GRADE VG 32

LUBRICATION RING OILED PRESSURE GREASE

OIL MIST (2.9.1.9)
 PURGE OIL MIST PURE OIL MIST

CASING DESIGN	INLET	EXHAUST
MAX. ALLOW. PRESS, PSIG	700	75
MAX. ALLOW. TEMP, °F	750	650
HYDRO TEST PRESSURE, PSIG	1050	133