

TURBINE OPERATING DATA

SERIAL NUMBER/SHOP ORDER NUMBER C302311

SPEED:

Rated	<u>4511</u>	r/min
Maximum Continuous	<u>4736</u>	r/min
Overspeed Trip	<u>4962</u>	r/min
1st Calculated Critical	<u>9350</u>	r/min

RATED POWER: 1425 HP 1000 kW_e

GOVERNOR: BY CUSTOMER

STEAM CONDITIONS - DESIGN CONDITIONS:

Inlet Pressure	<u>600</u>	psig
Inlet Temperature	<u>750</u>	°F
Exhaust Pressure	<u>25</u>	psig

STEAM CONDITIONS - MAXIMUM CONDITIONS:

Inlet Pressure	<u>600</u>	psig
Inlet Temperature	<u>750</u>	°F
Exhaust Pressure	<u>35</u>	psig

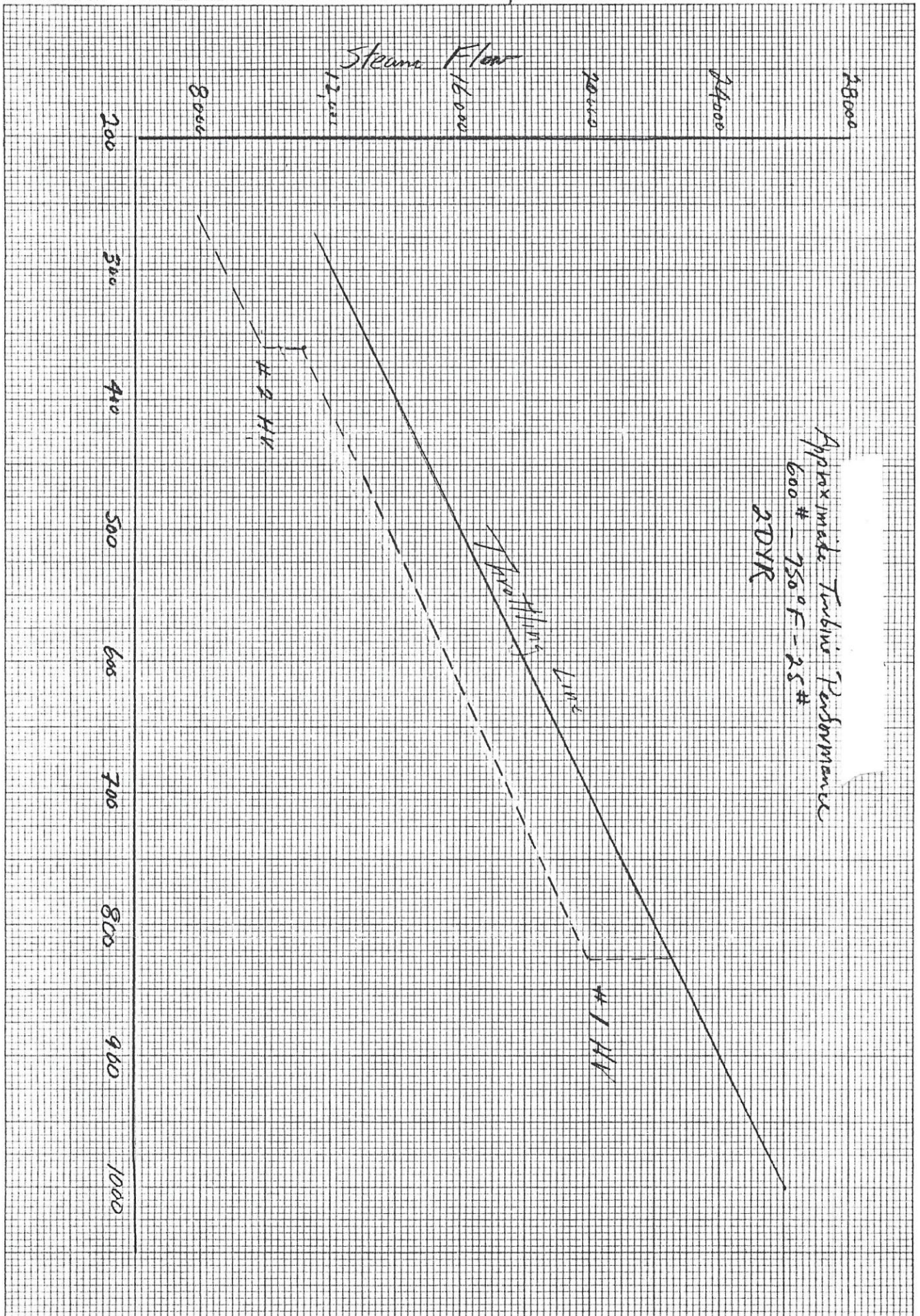
GOVERNOR VALVE TRAVEL: .41 in. (Set at .60)

ROTOR CLASS DESIGNATION: D-2

NUMBER OF HAND VALVES TWO

HAND VALVE SETTINGS

HAND VALVES POSITION	RATED POWER	SPEED r/min	INLET PRESSURE	INLET TEMP.	EXHAUST PRESSURE
#1 & #2 CLOSED (Minimum Steam)	<u>399</u> HP <u>280</u> kW _e	<u>4511</u>	<u>600</u> psi	<u>750</u> °F	<u>25</u> psig
#1 OPEN #2 CLOSED (Normal)	<u>983</u> HP <u>690</u> kW _e	<u>4511</u>	<u>600</u> psi	<u>750</u> °F	<u>25</u> psig
#1 & #2 OPEN (Maximum)	<u>1425</u> HP <u>1000</u> kW _e	<u>4511</u>	<u>600</u> psi	<u>750</u> °F	<u>25</u> psig



Packing List



SHIPPING MARKS

PART NUMBER		PART NAME		SHOP ORDER NUMBER		APPARATUS		DRAWING NUMBER					
C302311-1		UNIT B/M		C302311-1		YR TURBS + GEARS							
PART NUMBER	PART NAME	ITEM NUMBER	QUANTITY	ASSEMBLED ON UNIT	SKID/BOX	LOOSE	NOTES						
DYR-1	DYR STD UNIT HARDWARE	010	1.0	X									
605854-201	CASING ASSEM	020	1.0	X									
625384-10	PACKING CASE	030	2.0	X									
673134-GR1	PIPING LEAKOFF LEAKAGE	040	1.0	X									
P67B21	VALVE SENTINEL 3/4 SET AT 55#	050	1.0	X									
664832-GR5	OVERLOAD VLV AS	060	1.0	X									
667997-5	LINER BEARING (SERVICE)	070	2.0	X									
667997-6	LINER BEARING (SERVICE)	080	2.0	X									
609829-623	BRG HOUSING PARTS	090	1.0	X									
C302311-100	NOZZ RING	100	1.0	X									
667898-10	BKT HOLDER ASY	110	1.0	X									
P23T3206	CAP SCREW 1/2-13 X 3-1/2	120	6.0	X									
645997-1	SPACER	130	6.0	X									
636688-GR36	TRIP ASSEMBLY	140	1.0	X									
666944-200	ROTOR ASSEM (DYR)	150	1.0	X									
634159-54	PACKING RING (SERVICE)	160	8.0	X									
606330-302	HOUSING, BRG ASSY	170	1.0	X									
C302311SC	ASSY STM CH	180	1.0	X									
P4045C040	ACTUATOR VALTEK PNEUMATIC W/EL	190	1.0	X									
PART NUMBER		SHEET		CHECKED BY		DATE		DATE PRINTED		DRAWING NUMBER		REVISION	
C302311-1		1 OF 2						X 03/18/93					

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SHIPPING MARKS

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Packing List



SHIPPING MARKS

PART NUMBER		PART NAME		SHOP ORDER NUMBER		APPARATUS		DRAWING NUMBER					
C302311-3		A/T B/M		C302311-3		YR TURBS + GEARS							
PART NUMBER	PART NAME	ITEM NUMBER	QUANTITY	ASSEMBLED ON UNIT	SKID/BOX	LOOSE	NOTES						
P6200E305	NAMEPLATE	010	1.0	X									
P22C22	DRIVE SCREW #6 X 1/4-DELL B/O	020	4.0	X									
P50C189	STUD DELL B/O	030	8.0	X									
P11H18	NUT HEAVY HEX 7/8-9 DELL B/O	040	8.0	X									
693952-1	SLEEVE	050	3.0	X									
P23A50	SET SCREW 1/4-20 X 1/4	060	6.0	X									
P8335G010	LIMIT SWITCH	070	1.0	X									
680003-GR3	TRIP ALARM ASSEM	080	1.0	X									
P8180F111	SOLENOID	100	1.0	X									
661556-GR5	* SOLENOID TRIP MECH	110	1.0	X									
P52A104	GAGE, PRESSURE	120	1.0			X	IN CTN INSIDE CRATE						
412058-GR1	OIL PIPING	130	1.0				SEE B/M						
	MAGNETIC PICKUP					X	IN CTN INSDIE CRATE						
PART NUMBER		SHEET		CHECKED BY		DATE		DATE PRINTED		DRAWING NUMBER		REVISION	
C302311-3		1 OF 1						03/18/93					

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SHIPPING MARKS

[illegible]FORM NO. 270A 11/87