ENTHALPY O UNCONTROLLED EXTRACTION O UNCONTROLLED BTU/Ib 1303.8 1306.1 PURCHASER OR MANUFACTURER NSN TEMP ۴TT ۴ 572 567  $\bigcirc$ EXHAUST D.S. (Elliott) 20-Feb-01 O CONTROLLED O CONTROLLED PRESS **O EXTRACTION** 202 200 psig DRIVEN EQUIPMENT ITEM NO. ITEM NO DATE Ъ TEMP Ħ **INDUCTION/EXTRACTION** ШNO NO 9 Ø EXTRACTION PRESS **NDUCTION** Bise PURCHASE ORDER NO. MANUFACTURER Ь **C**EXTRACTION NUMBER REQUIRED SPECIFICATION NO. SERIAL NUMBER O OTHER REVISION NO. FI ON \*\*\*\* 1944 STEAM CONDITIONS JOB NO. PERFORMANCE PAGE LIZO TEMP 870 870 GENERATOR RATED SQV4 PURCHASER psig / PRESS API-612 (5th ed., draft), ISO 10437 DATA SHEETS **O EXHAUSI** INLET 850/ 850 D DIECHASE SPECIAL-PURPOSE STEAM TURBINE MODEL 300000 252820 FLOW Ibhr О UTELLI®TT. U.S. CUSTOMARY UNITS NORMAL O COMPRESSOR SPEED **TURBINE SHAFT** Шd 6000 6000 NOTE: INFORMATION TO BE COMPLETED BY IVOUDUDD 11387 POWER 9460 kw POTENTIAL MAXIMUM POWER(3.32) STEAM RATE, LBS/HP-HR (3.46) Generator Drive Elliott DRIVEN EQUIPMENT TYPE: RATED, NORMAL STEAM **OPERATING POINTS AS APPLICABLE** 'HIGH" STEAM FLOW MANUFACTURER APPLICABLE TO: SERVICE SITE FOR

INDUCTION

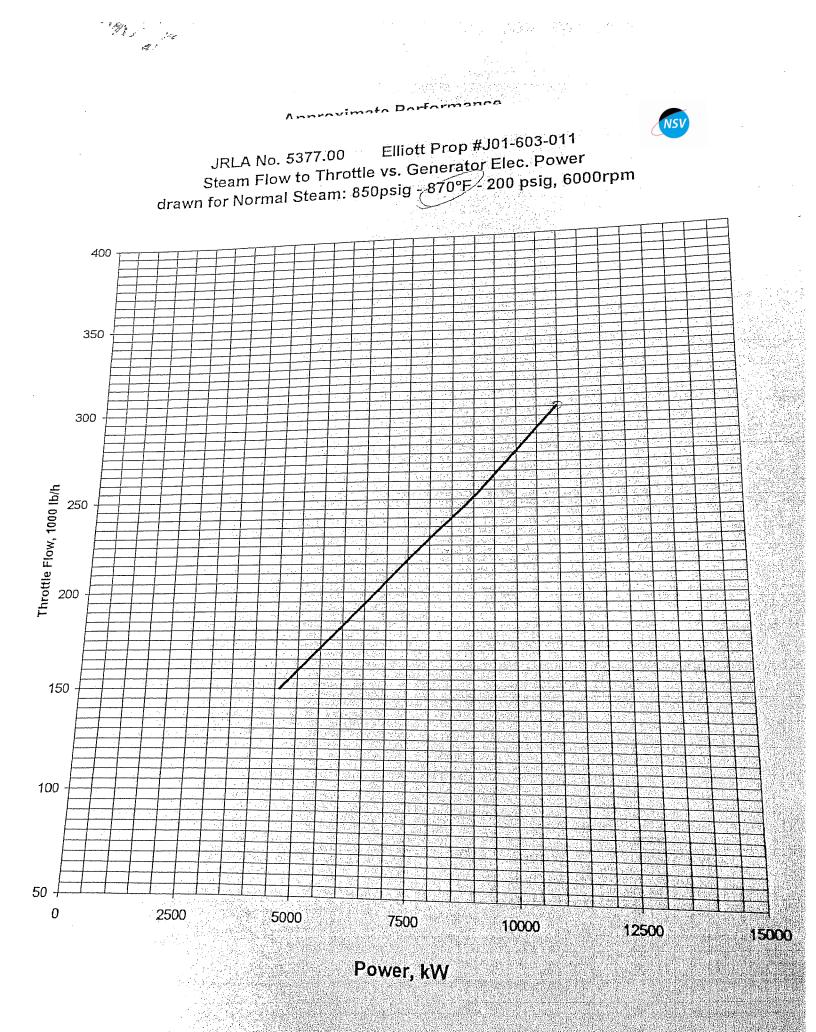
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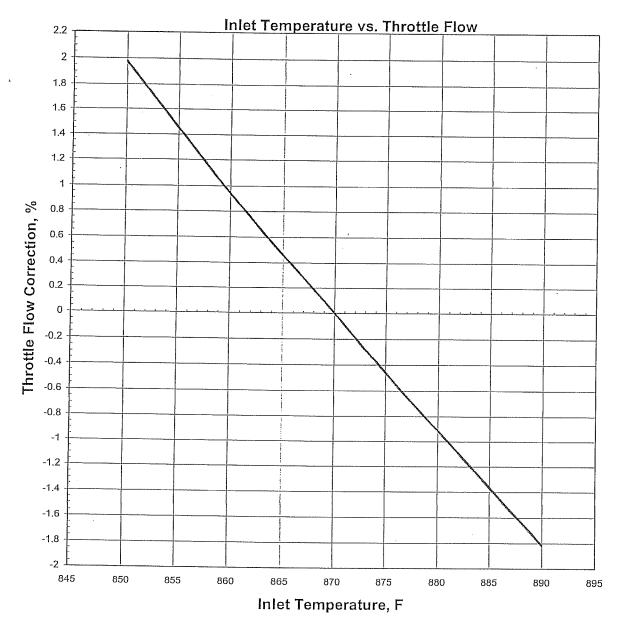
	JOB NO. REVISION NO. PAGE 3 OF 10 DATE 20-Fet 20-Fe	SHAFT ENDS: DIAMETER @ COUPLING       STRAIGHT     TAPER       STRAIGHT     TAPER       KEYED     SINGLE       HYDRAULIC FIT     INTEGRA       HYDRAULIC FIT     INTEGRA       FIELD BALANCING PROVISIONS RE     DESCRIPTION OF FIELD BALANCIN       REMARKS:     STAGE     STAGE	
	SPECIAL-PURPOSE STEAM TURBINE         12 (5th ed., draft), ISO 10437 DATA SHEETS         U.S. CUSTOMARY UNITS         D.S. CUSTOMARY UNITS         ALS-CASINGS & APPURTENANCES:         1 PRESSURE CASING         ALS-CASING         ALS-CASINGS & APPURTENANCES:         1 PRESSURE CASING         ARSSURE CASING         AUST CASING	JILT-UP(8.1.2) COMBINATION BEARING SPAN 70 IN TM A-470, CI. 4 XIMUM TIP SPEED 731 FPM H 1.28 IN. MAX 731 FPM STAGE STAGE STAGE	
	SPECIAL-PURPOSE STEAM         API-612 (5th ed., draft), ISO 10437         U.S. CUSTOMARY UNI         U.S. CUSTOMARY UNI         Imaterials-casings & appurtenances:         Imaterials-casings & appurtenances:         Imaterials-casings & appurtenances:         Imaterials-casings & appurtenances:         Imaterials-casing & astmazing         Imaterials-casing & astmazing         Imaterials-casing & astmazing         Imaterials-casing & astmazing         Imaterials         Imaterials <td>12       INTEGRAL WHEELS         3       DOUBLE EXTENDED         4       NUMBER OF STAGES         5       SHAFT MATERIAL         6       BLADES(BUCKETS):         7       FINAL STAGE BLADE LENC         8       FINAL STAGE BLADE LENC         8       FINAL STAGE BLADE LENC</td> <td>WHEEL MATERIAL       BLADE MATERIAL       BLADE ROOT TYPE</td>	12       INTEGRAL WHEELS         3       DOUBLE EXTENDED         4       NUMBER OF STAGES         5       SHAFT MATERIAL         6       BLADES(BUCKETS):         7       FINAL STAGE BLADE LENC         8       FINAL STAGE BLADE LENC         8       FINAL STAGE BLADE LENC	WHEEL MATERIAL       BLADE MATERIAL       BLADE ROOT TYPE
•		<u></u>	<u>32</u> <u>75</u> <u>37</u>

	MAXIMUM LUNI INUOUS 6300 RPM TRIP 6600 RPM MAXIMUM ALLOWABLE 6600 RPM LATERAL CRITICAL SPEEDS (DAMPED)(9.2) FIRST CRITICAL 3500 RPM MODE SECOND CRITICAL 8500 RPM MODE THIRD CRITICAL 8500 RPM MODE THIRD CRITICAL RPM MODE THIRD CRITICAL RPM MODE THIRD CRITICAL RPM MODE THIRD CRITICAL MODE THIRD CRITICAL MODE THIRD CRITICAL RPM MODE THIRD CRITICAL RPM MODE	CASINGS, NOZZLES & DIAPHRAGMS         MAWP (3.18)(7.1.3)         MAWP (3.18)(7.1.3)         INLET SECTION 935       PSIG         NULCTION / EXTRACT. SECTION       300         PSIG         OTHER         MAX OPERATING TEMP. (3.17)(3.22)         INLET SECTION 900       F EXHAUST SECTION         NLET SECTION 900       F EXHAUST SECTION         NLET SECTION 900       F EXHAUST SECTION         NLET SECTION 900       F EXHAUST SECTION         NULCTION / EXTRACTION SECTION       N/A         PSIG       NIMUM DESIGN METAL TEMPERATURE(11.1.6)         O       MINIMUM DESIGN METAL TEMPERATURE(11.1.6)         O       RELIEF VALVE SETTING: INLET         PSIG       OTHER         CASING CONNECTION       PSIG	CONNECTION SIZE FACING OF CONNECTION SIZE FACING OF FACING NLET 10"-900# RF 6 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	AUX. SCRWD. PIPE CONN.: O TAPERED O STRAIGHT O MAIN CASING JOINT STUDS / NUTS DESIGNED FOR HYD. TENSIONING(7 I I I I DAMARI F FORCES & MOMENTS I I I DAMARI F FORCES & MOMENTS I I DAMARI F FORCES & MOMENTS I DAMARI F FORCES &
13     MAXIMI       14     LATER       15     HAXIMI       16     SECON       17     THIRD       18     SECON       19     NIBRAT       19     NIBRAT       20     NINUC       21     MAXIMI       22     MAWP       23     INILET       24     INDUC       25     MAWP       26     MINIMU       27     INILET       28     INILET       31     EXTRACT       33     CONNECT       34     INDUC       35     EXTRACTIO       36     EXTRACTIO       37     INDUCTION       40     INDUCTION       41     INDUCTION				





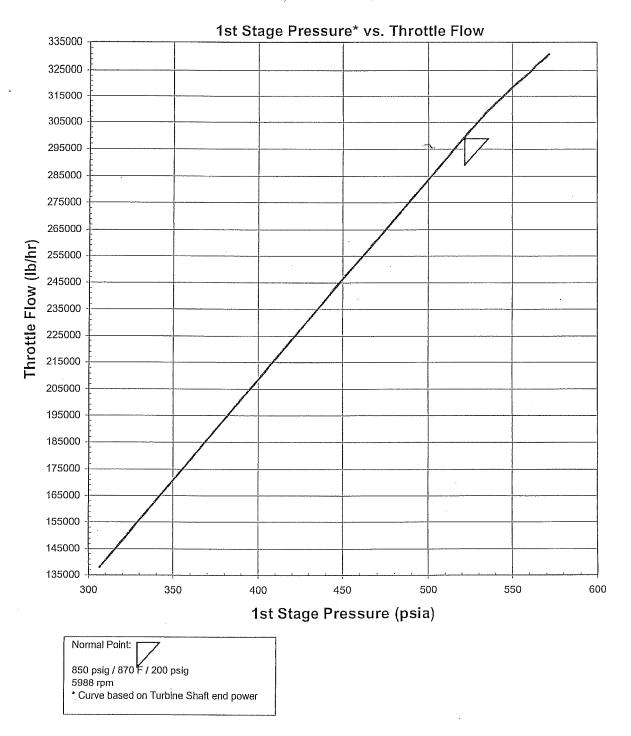
Elliott SQV-4 Steam Turbine SO# E104004



Curve# e104004.tin

## **Approximate Performance**

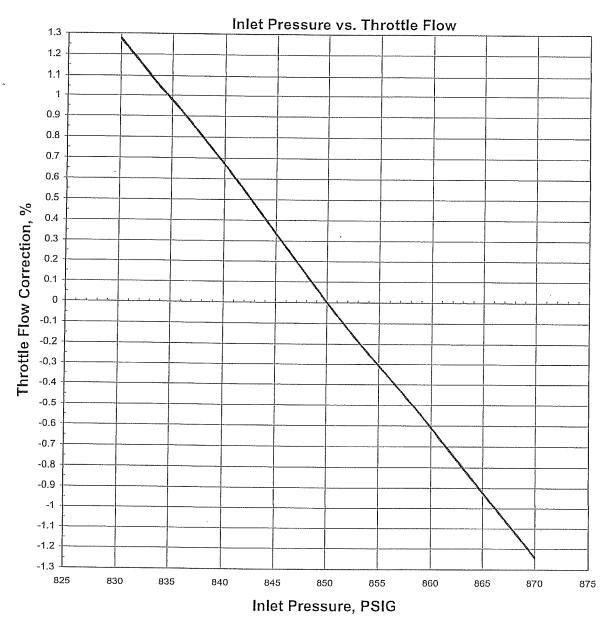
Elliott Turbine, SQV-4



Curve# E104004.p3

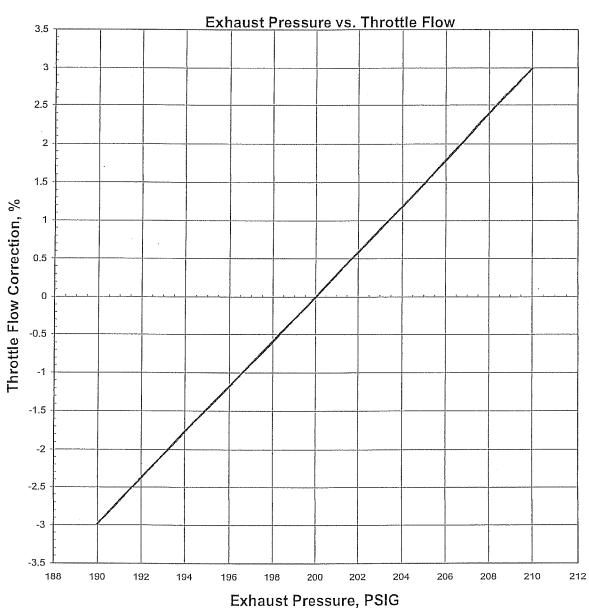
## Steam Flow Correction Curves

Elliott SQV-4 Steam Turbine SO# E104004



Curve# E104004.pin

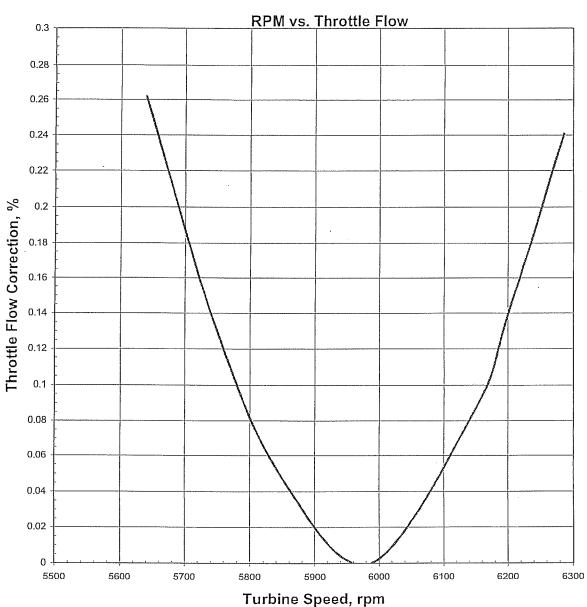
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## **Steam Flow Correction Curves**

Elliott SQV-4 Steam Turbine SO# E104004

Curve# E104004.pout



## Steam Flow Correction Curves

Elliott SQV-4 Steam Turbine SO# E104004

Curve# e104004.rpm

SB 5/17/02 FIG. NO. 3-3 PG. NO. 3-29

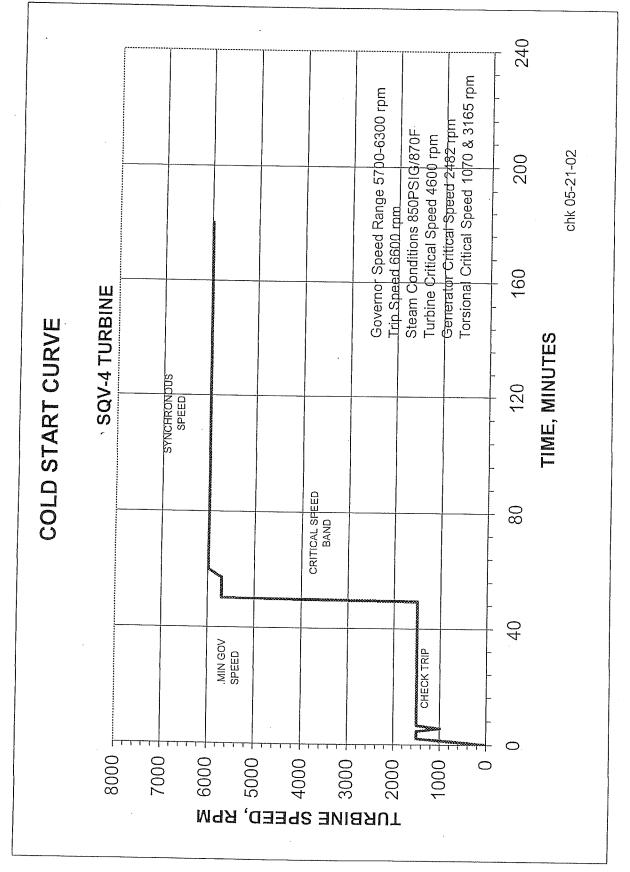


FIG. NO. 3-8 PG. NO. 3-34

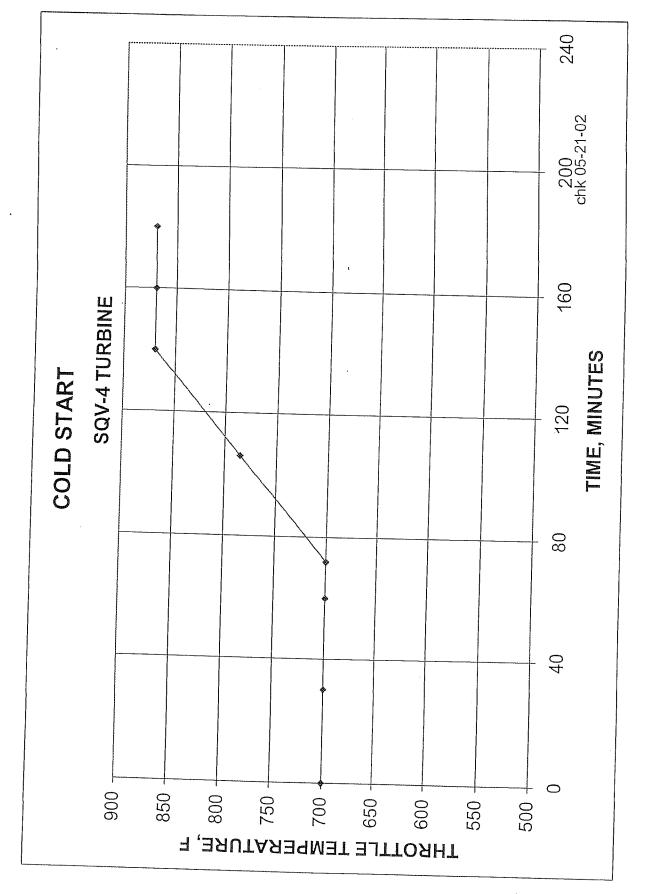
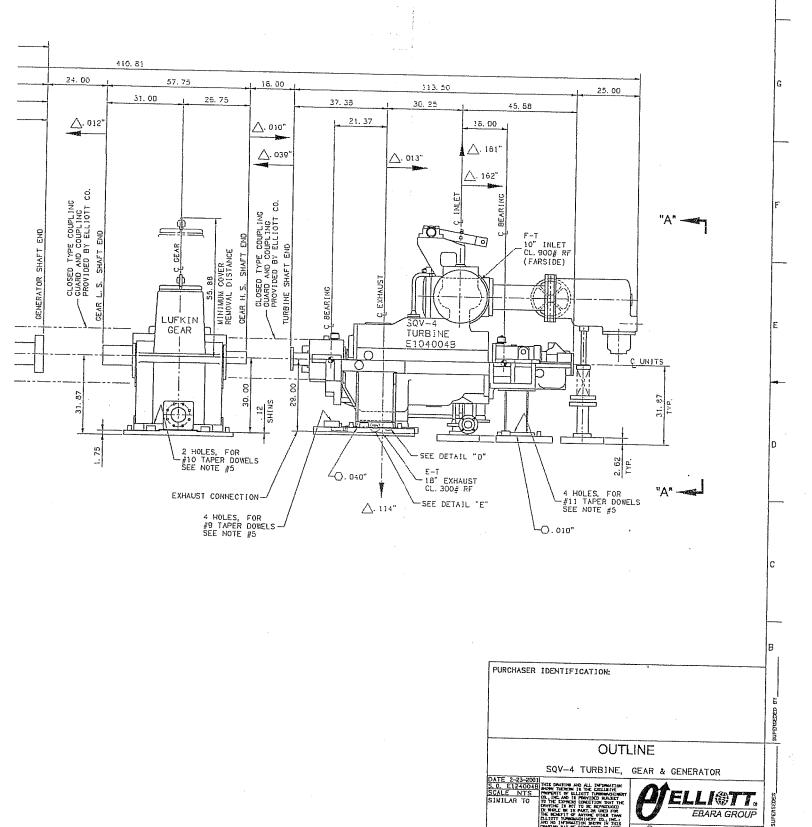


FIG. NO. 3-7 PG. NO. 3-33



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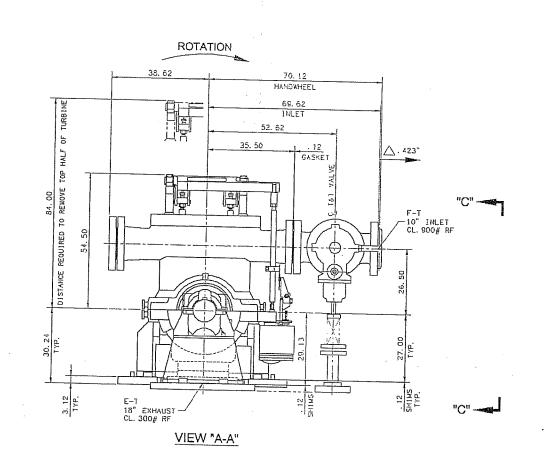
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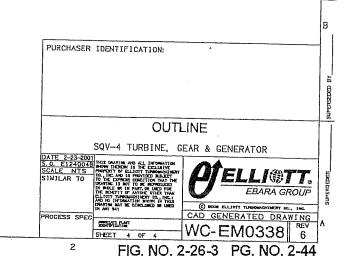


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