

SPECIAL DATA

OPERATING CONDITIONS

	POWER (KW)	SPEED (RPM) TURBINE/GENERATOR	STEAM FLOW LBS./HR.
Normal Rated:	8 500	6 750/1 800	100 000
Maximum Rated:	8 500	7 500/1 800	

STEAM CONDITIONS

Inlet Pressure (psig):	650	
Ext. #1 (psig):	150	(Uncont.)
Ext. #2 (psig):	70	(Uncont.)
Inlet Temperature (°F):	750	
Exhaust Pressure (in. HgA):	3.0	

MECHANICAL OVERSPEED TRIP SPEED

7 425 RPM to 7 573 RPM

CRITICAL SPEEDS

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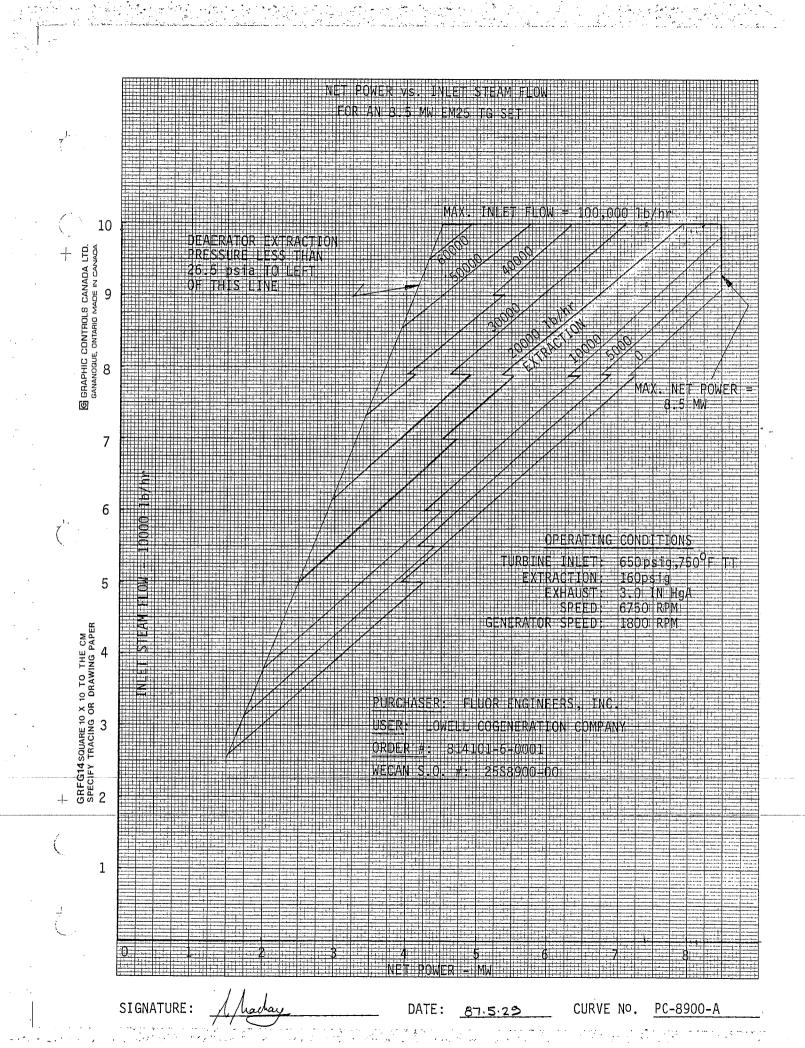
NOTES: Calculated critical speeds are the speeds at which the frequencies are the same as the natural frequencies of the various drive train rotors (re: turbine rotor, generator rotor). Resonant effects could add to the level of vibration and cause problems at these speeds.

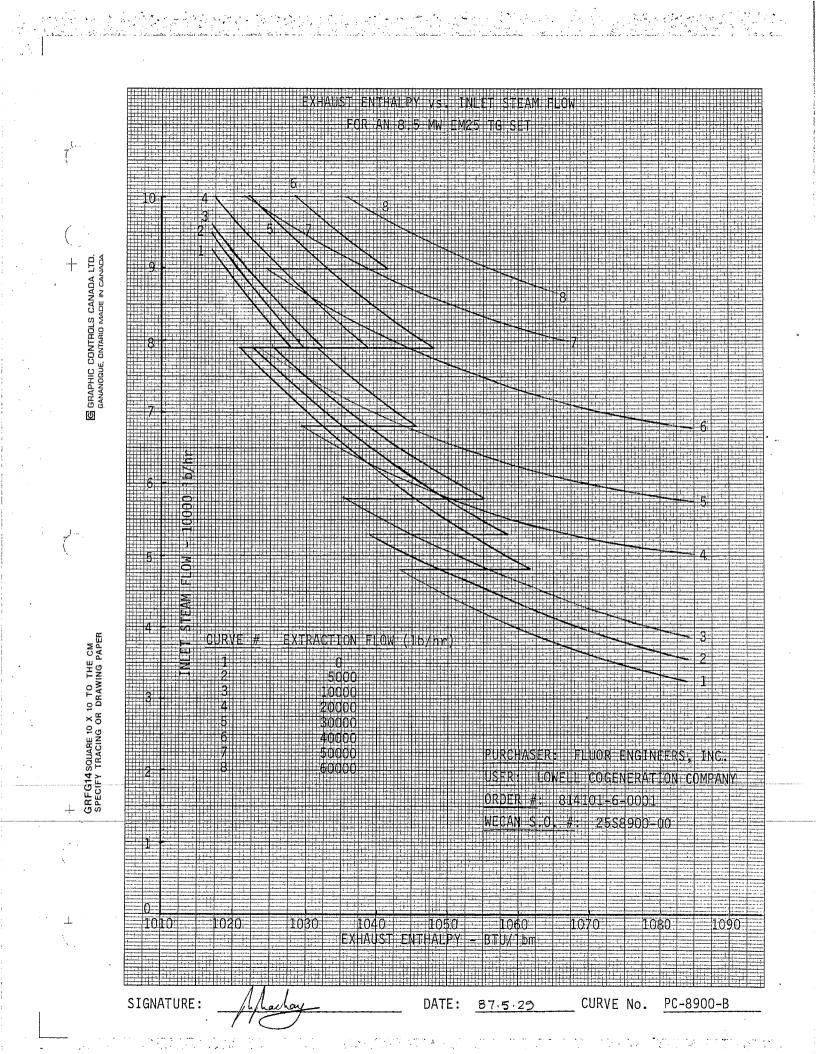
CALCULATED LATERAL CRITICAL SPEEDS

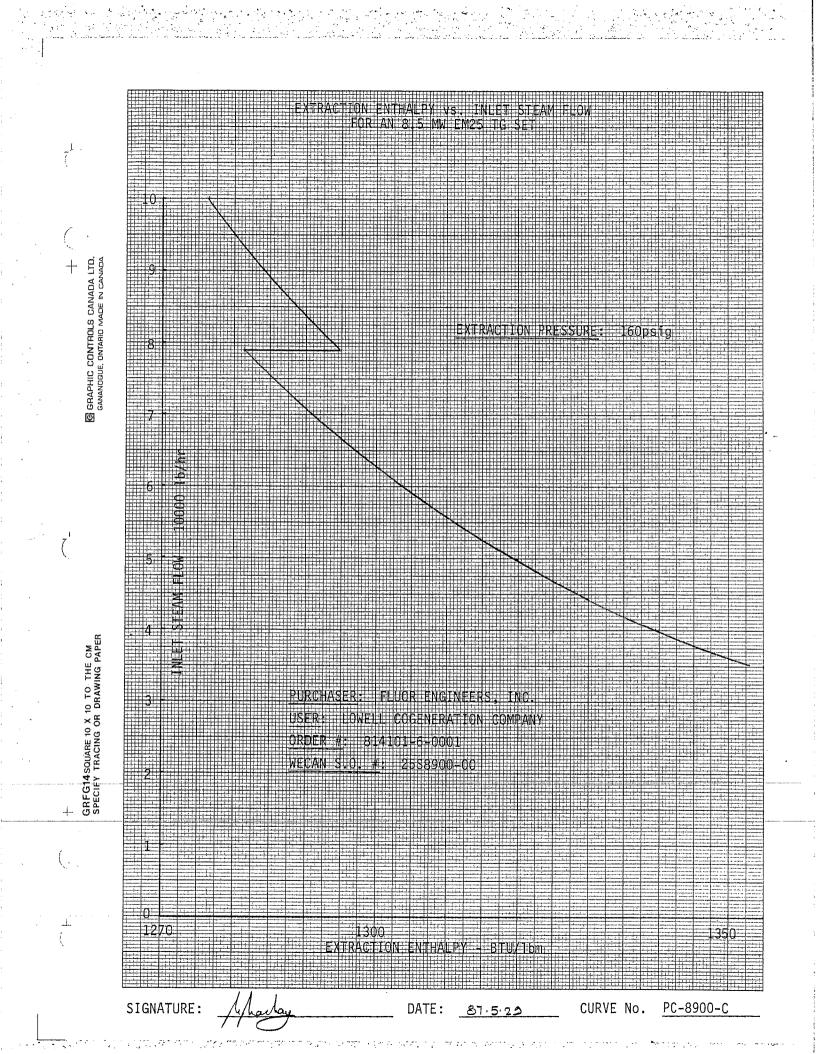
lst Lateral (Turbine): 2 750 RPM

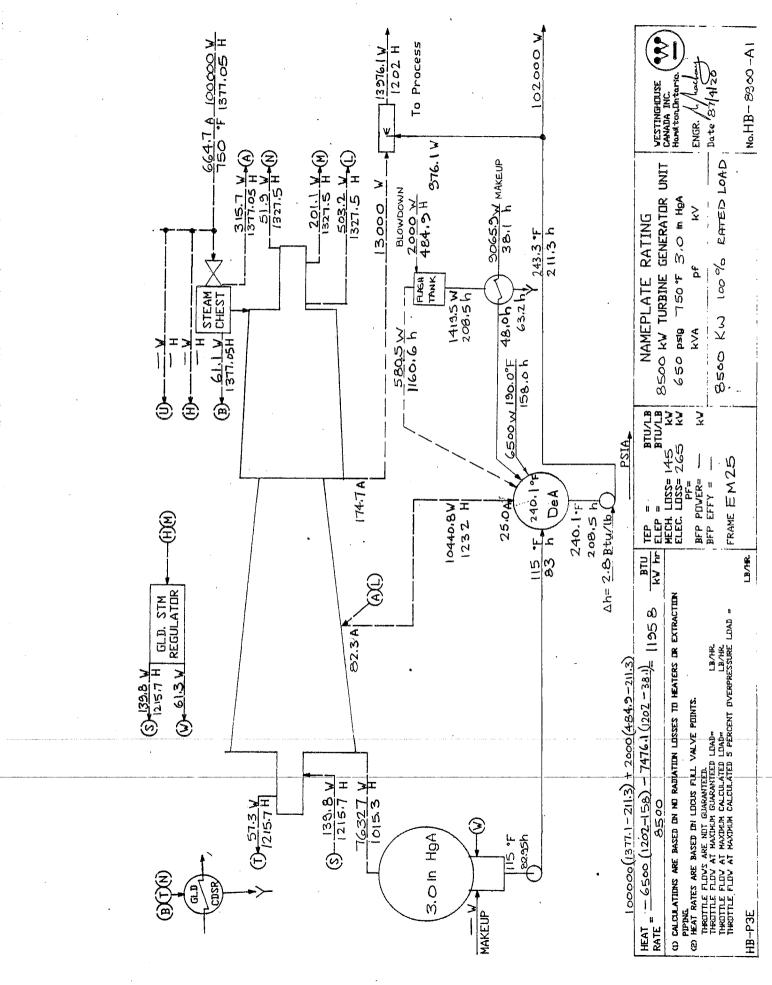
lst Lateral (Generator):	2 437 RPM
2nd Lateral (Generator):	4 599 RPM
lst Lateral (Speed Reducer):	Greater than 8 100 RPM
lst Axial:	782 RPM
lst Torsional: 2nd Torsional:	1 296.RPM • 3 264 RPM

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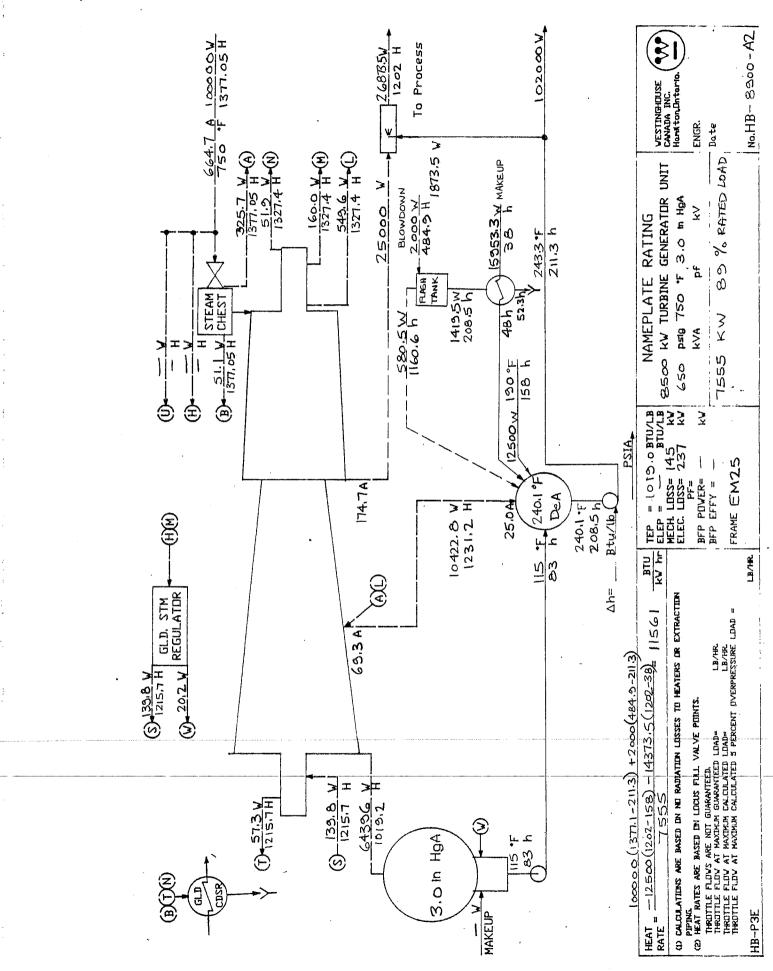








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