ENGINEERING DEPARTMENT

Record Descriptive Specifications - Turbine

13585
13586
Turbine No. 13587 Gear No. V-27 S.O. 40164-A

Purchased By American Blower Corp., Detroit, Michigan E- 151062

For Oklahoma A & M College, Stillwater, Oklahoma Date 2/6/48

H.P. St. Conn. 2" R.H.	Governor Std. small	Valve Sizes (Order of opening)	Name Plate Rating
L.P. St. Conn. none	Speed Changer hand	Inlet / Extraction	Type 2 AYR
Exh. Conn. 6" L.H.	Emerg. Gov. yes	1. 3/4" Fluted	Hp.-~~XXX~~ 26
Extrac. Conn. none	Trip Mech. std.	2.	R.p.m. 3850
Steam Strainer Built-in	Low Oil Pr. Trip none	3.	St. Press. 250 psig
Shaft Size 2" Dia.	Thrust Brg. in gear case	4.	St. Temp. 600 °F.
St. End Pkg. 4 Rings	St. End Brg. Bracket	5.	Exh. Press. 10 psig
Diaph. Pkg. none	Exh. End Brg. in gear case	6.	Exh. Vac. -- In. Hg. Al
Exh. End Pkg. 4 Rings	Water Cooled Brgs. yes	7.	Extrac. Press. -- psig
Superheat Parts see below		Hand Valves 1 - 2-1/4"	Rotation R.H.
		Valve location on nozzle sheet	

Instruction Books - Special or No.

Special Construction

Cast Steel Steam Chest & Steam End for 600°F.
Mount purchaser's half coupling
Insulation & C.R.S. painted lagging
H.V. for 13 hp. all other conditions same
1/16" orifice in gear bearing oil press lines
Rotor assembly for 6190 r.p.m. max. trip speed.
Gov. wts. for 4040 r.p.m. operating speed
4650 r.p.m. trip

Changed to 3/4" 7.5° valve.
CB
4-12-62

Soleplate-S-644830
Outline-Y-625480

Gears Size 6 x 4 B.H.P. 26 Ratio 4.13/1 Speeds 3850/932
Baseplate C.I. Combining plate under Soleplates Plain Flat under Turb. & Gear
Couplings H.S. none Turb. & Gear L.S. Nut furnished
Oil System Pump Size .5 Gal./100r.p.m. Driven From Gear Piping Material Thin Wall Stl.
Oil Tank in gear case Oil Strainer Cuno F.F. Turbine Brgs. no Tub.
Oil Cooler Gross RV-25 Auxiliary Pump none F.F. Driven Mach. Brgs. none

Driven Machine

I. D. Fan (Not Furnished)

Auxiliary Apparatus

3 - Gross Oil Cooler RV-25 (stock)

3 - Cuno Micro-kleen oil filter P.O. #60162

Copies

Spec.
Turb. Eng.
Turb. Sales
V-27 Gear

EXHIBIT
8 DT
515-01 Hackel

ET-000018