

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
L.P. St. Conn.	none	Speed Changer	hand
Exh. Conn.	6" L.H.	Emerg. Gov.	yes
Extrac. Conn.	none	Trip Mech.	std.
Steam Strainer	Built-in	Low Oil Pr. Trip	none
Shaft Size	2" Dia.	Thrust Brg. in gear case	
St. End Pkg.	4 Rings	St. End Brg. Bracket	
Diaph. Pkg.	none	Exh. End Brg. in gear case	
Exh. End Pkg.	4 Rings	Water Cooled Brgs.	yes
Superheat Parts	see below		

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

Valve Sizes (Order of opening)	
Inlet	Extraction
1. 3/4" Fluted	
2.	2.
3.	3.
4.	4.
5.	
6.	
7.	

Hand Valves

1 - 2-1/4"

Valve location on nozzle sheet

Name Plate Rating
Type 2 AYR
Hp. ~~XXX~~ 26
R.p.m. 3850
St. Press. 250 psig
St. Temp. 600 °F.
Exh. Press. 10 psig
Exh. Vac. -- In. Hg. Abs.
Extrac. Press. -- psig
Rotation R.H.

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

ET-000018

