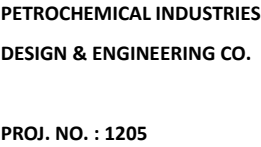


 PETROCHEMICAL INDUSTRIES DESIGN & ENGINEERING CO. PROJ. NO. : 1205	 DENA METHANOL PLANT COVER SHEET	OWNER : SABALAN PETROCHEMICAL INDUSTRIES CO. PROJ. NO. : 89/S-G/102				
DATA SHEET For CENTRIFUGAL EXHAUST FAN FOR LABORATORY ROOM IN LAB. & YARD OFFICE						
DOCUMENT NO. : 1205-00-HV-DSH-045 TOTAL PAGES : 1 (Excluding Cover & Revision Index Sheets and attachments) Note: For relevant records of the document, reference can be made to Sabalan Methanol Project documentation.						
ED	EXT	IFE	A			
Eng. Phase	Purpose Of Distribution (POD)	Purpose Of Issue (POI)	Owner's Action			
00	28.12.2021	ISSUED FOR ENGINEERING	M.Mashayekh	M.Momenaie	A.Moadeli	N.Jafarpour
Rev.	Date	Description	Prepared by	Checked by	Approved by	Project



**Data Sheet for Centrifugal Exhaust Fan for Laboratory
Room In Lab. & Yard Office**

Doc. No.: 1205-00-HV-DSH-045

Rev. : 00

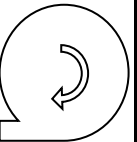
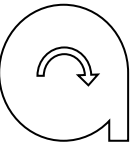
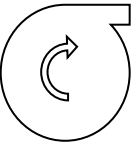
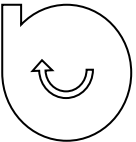
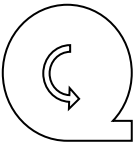
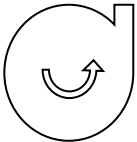
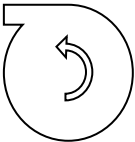
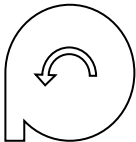
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SABALAN PETROCHEMICAL INDUSTRIES CO.

PROJ. NO. : 89/S-G/102

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 PETROCHEMICAL INDUSTRIES DESIGN & ENGINEERING CO. PROJ. NO. : 1205	 DENA METHANOL PLANT Data Sheet for Centrifugal Exhaust Fan for Laboratory Room In Lab. & Yard Office Doc. No.: 1205-00-HV-DSH-045 Rev. : 00	OWNER : SABALAN PETROCHEMICAL INDUSTRIES CO. PROJ. NO. : 89/S-G/102
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NO.	GENERAL									
1	Tag No. EX-0040									
2	Duty Permanent									
3	Type ☐ Wall Mounted ☐ Duct Mounted ☒ Utility (Centrifugal) ☐ Roof Type ☐ Other									
4	Quantity (Working + Standby) 1				Operating Weight Kg *					
5	Service Laboratory				Type of Driver El. Motor					
6	Overall Size l×w×h m×m×m *				Installation Outdoor					
7	Inlet : (Single / Double) Single				Impeller Type l×w×h m×m×m *					
8	SITE CONDITION									
9	Location / Latitude Assaluyeh / 28.5° N									
10	Altitude m 34									
11	Ambient Air Temperature Max / Min °F 118.4 / 41									
12	Wet Bulb Temp °F 91.4									
13	OPERATING CONDITIONS									
14	Gas Composition Air				Suction Press. in.w.g -0.6					
15	Molecular Weight 29				Discharge Pressure in.w.g Atm.					
16	Air Flow Rate Rated cfm 2975				Differential Pressure in.w.g 0.6					
17	Normal cfm 2705				Suc. Temp. Min °F 73.4					
18	Relative Humidity at Suction Max % 65				Max °F 77					
19	FAN DATA					MOTOR DATA				
20	Make/Origin * / *				Make/Origin * / *					
21	Model No. *				Model No. *					
22	Fan Diameter m *				Input Power Kw *					
23	Fan Speed rpm *				Speed rpm *					
24	Material / Thickness Casing mm *				Insulation Class / Temperature Rise * / *					
25	Impeller mm *				Power Supply V/Ph/Hz 400 / 3 / 50					
26	Material Shaft *				Degree of Protection IP 55					
27	Pulley *				System Full Load Current A *					
28	Material / Make / Origin Belt * / * / *				System Power Factor % *					
29	Finish Casing *				Hazardous Classification Unclassified					
30	Impeller *				Motor Efficiency % *					
31	ACCESSORIES									
32	Required		More Specification		Required		More Specification			
33	Pulley Guard *		*		Base Yes		* steel channel profile			
34	Belt Guard *		*		Safety Screen Outlet		*			
35	Bearing Guard *		*		Vibration Isolator Yes		*			
36	Air Flow Switch / Model No. Yes		*		Gravity Damper Yes		*			
37	Drain Hole Yes		*		Inlet Connection Yes		Flanged			
38	Elec. Terminal Junction Box Yes		IPW 55, With Cable Gland		Outlet Connection No		-			
39	LOCAL CONTROL STATION									
40	Required N.A.				Installation Location -					
41	On / Off / Trip Indicating Lights -				Degree of Protection -					
42	Start / Stop Push Buttons -				Hazardous Classification -					
43	Miscellaneous Requirements -									
44	NOISE SPECIFICATION									
45	Noise level @ 1 meter from ex. Fan db *				Noise level @ exhaust air db *					
46	DIRECTION OF DISCHARGE (Note 2)									
47	☐☐☐☐☐☒☐									
48										
49										
50										
51										

- REMARKS:
- 1

* To be filled by vendor.
- 2

Direction of rotation is determined from drive side of fan.
- 3

N.A. Not Applicable.
- 4

IPW 55 protection for junction boxes, motor terminal boxes, control stations, panel boards, and auxiliary equipment should be considered.