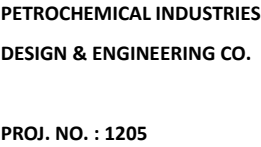


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DATA SHEET For CENTRIFUGAL EXHAUST FAN FOR TEA ROOM IN LABORATORY & YARD OFFICE			
DOCUMENT NO. : 1205-00-HV-DSH-044 TOTAL PAGES : 1 (Excluding Cover & Revision Index Sheets and attachments) Note: For relevant records of the document, reference can 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 Tea Room In Laboratory & Yard Office

Doc. No.: 1205-00-HV-DSH-044

Rev. : 00

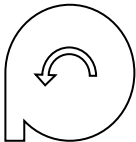
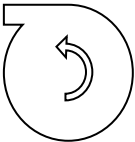
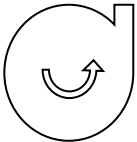
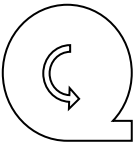
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PROJ. NO. : 89/S-G/102

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 PETROCHEMICAL INDUSTRIES DESIGN & ENGINEERING CO. PROJ. NO. : 1205	 DENA METHANOL PLANT Data Sheet for Centrifugal Exhaust Fan for Tea Room In Laboratory & Yard Office Doc. No.: 1205-00-HV-DSH-044 Rev. : 00	OWNER : SABALAN PETROCHEMICAL INDUSTRIES CO. PROJ. NO. : 89/S-G/102
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NO.	GENERAL									
1	Tag No.		EX-0043							
2	Duty		Permanent							
3	Type		☐ Wall Mounted ☐ Duct Mounted ☒ Utility (Centrifugal) ☐ Roof Type ☐ Other							
4	Quantity (Working + Standby)		1		Operating Weight		Kg		*	
5	Service		Tea Room		Type of Driver		El. Motor			
6	Overall Size		lxwxh m x m x m		*		Installation		Outdoor	
7	Inlet : (Single / Double)		Single		Impeller Type		lxwxh m x m x 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		-0.72	
15	Molecular Weight		29		Discharge Pressure		in.w.g		Atm.	
16	Air Flow Rate		Rated cfm		405		Differential Pressure		in.w.g 0.72	
17			Normal cfm		370		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.