



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 LOCKER & SHOWER IN CONTROL BUILDING

DOCUMENT NO. : 1205-00-HV-DSH-050

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	13.10.2016	ISSUED FOR ENGINEERING		M.Mashayekh	M.Momenaie	A.Moadeli
Rev.	Date	Description		Prepared by	Checked by	Approved by
						Project



Data Sheet for Centrifugal Exhaust Fan for Locker & Shower in Control Building

Doc. No.: 1205-00-HV-DSH-050

Rev. : 00

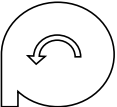
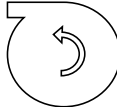
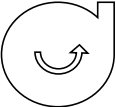
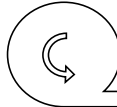
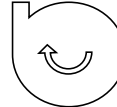
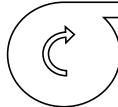
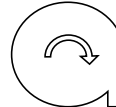
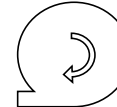
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	PETROCHEMICAL INDUSTRIES DESIGN & ENGINEERING CO. PROJ. NO. : 1205	 DENA METHANOL PLANT	OWNER : SABALAN PETROCHEMICAL INDUSTRIES CO. PROJ. NO. : 89/S-G/102
	Data Sheet for Centrifugal Exhaust Fan for Locker & Shower in Control Building		
	Doc. No.: 1205-00-HV-DSH-050	Rev. : 00	

NO.	GENERAL													
1	Tag No.					EX-0022								
2	Duty					Permanent								
3	Type ☐ Wall Mounted ☐ Duct Mounted ☒ Utility (Centrifugal) ☐ Roof Type ☐ Other													
4	Quantity (Working + Standby)					1		Operating Weight			Kg *			
5	Service					Locker & Shower		Type of Driver			El. Motor			
6	Overall Size					lwwh	mmmm	*		Installation		Outdoor		
7	Inlet : (Single / Double)					Single		Impeller Type			lwwh mmmmm *			
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 -0.92			
15	Molecular Weight					29		Discharge Pressure			in.w.g Atm.			
16	Air Flow Rate					Rated	cfm	130		Differential Pressure		in.w.g 0.92		
17						Normal	cfm	120		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.