



PETROCHEMICAL INDUSTRIES
DESIGN & ENGINEERING CO.

PROJ. NO. : 1205



DENA METHANOL PLANT

شرکت صنایع پتروشیمی دنا
Dena Petrochemical Industries Co.

COVER SHEET

OWNER :

SABALAN PETROCHEMICAL INDUSTRIES CO.

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

DATA SHEET

For

CENTRIFUGAL EXHAUST FAN FOR CHEMICAL STORE ROOM IN CONTROL BUILDING

DOCUMENT NO. : **1205-00-HV-DSH-054**

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.

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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 Chemical
Store Room in Control Building**

Doc. No.: 1205-00-HV-DSH-054

Rev. : 00

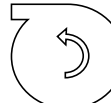
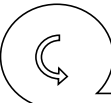
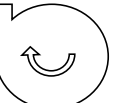
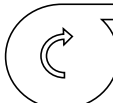
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	PETROCHEMICAL INDUSTRIES DESIGN & ENGINEERING CO. PROJ. NO. : 1205	 DENA METHANOL PLANT Data Sheet for Centrifugal Exhaust Fan for Chemical Store Room in Control Building Doc. No.: 1205-00-HV-DSH-054 Rev. : 00	OWNER : SABALAN PETROCHEMICAL INDUSTRIES CO. PROJ. NO. : 89/S-G/102
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NO.	GENERAL									
1	Tag No.		EX-0020							
2	Duty		Permanent							
3	Type		☐ Wall Mounted ☐ Duct Mounted ☒ Utility (Centrifugal) ☐ Roof Type ☐ Other							
4	Quantity (Working + Standby)		1		Operating Weight		Kg		*	
5	Service		Chemical Store Room		Type of Driver		El. Motor			
6	Overall Size		lwwh mmxmm		*		Installation		Outdoor	
7	Inlet : (Single / Double)		Single		Impeller Type		lwwh mmxmm		*	
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		-0.64	
15	Molecular Weight		29		Discharge Pressure		in.w.g		Atm.	
16	Air Flow Rate		Rated cfm		235		Differential Pressure		in.w.g 0.64	
17			Normal cfm		215		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										
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- 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.