



Petrochemical Industries
Design & Engineering Co.
PROJ. NO. : 1203

SABALAN METHANOL PLANT

COVER SHEET



OWNER:
SABALAN PETROCHEMICAL
INDUSTRIES CO.
PROJ. NO. : 89/S-G /102

DATA SHEET
FOR

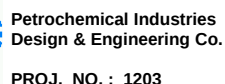
CENTRIFUGAL EXHAUST FAN FOR CYLINDER STORAGE



DOCUMENT NO : **1203-00-HV-DSH-061**

TOTAL PAGES : **1** (Excluding Cover & Revision Index Sheets)

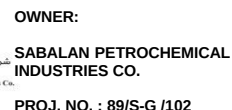
ED		EXT		AFC		A
Eng. Phase		Purpose Of Distribution (POD)		Purpose Of Issue (POI)		Owner's Action
02	07.02.2019	APPROVED FOR CONSTRUCTION (Generally Revised)		A.Mirzaie	M.Momenaie	A.Moadeli N.Jafarpour
01	03.03.2018	CERTIFIED FINAL		A.Mirzaie	M.Momenaie	A.Moadeli N.Jafarpour
00	04.08.2016	ISSUED FOR ENGINEERING		A.Mirzaie	M.Momenaie	A.Moadeli N.Jafarpour
Rev.	Date	Description		Prepared by	Checked by	Approved by Project



DATA SHEET FOR CENTRIFUGAL EXHAUST FAN FOR CYLINDER STORAGE

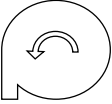
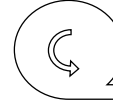
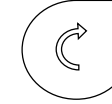
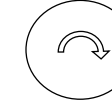
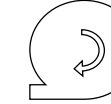
DOC. NO. : 1203-00-HV-DSH-061

Rev.: 02



This document with all its rights is the property of SPIC and must be held in confidence. No disclosure, reproduction or other use of the document in whole or parts is to be made without the prior consent of SPIC

 Petrochemical Industries Design & Engineering Co. PROJ. NO. : 1203	SABALAN METHANOL PLANT		 OWNER: SABALAN PETROCHEMICAL INDUSTRIES CO. PROJ. NO. : 89/S-G /102
	DATA SHEET FOR CENTRIFUGAL EXHAUST FAN FOR CYLINDER STORAGE		
	DOC. NO. : 1203-00-HV-DSH-061	Rev.: 02	

NO.	GENERAL											
1	Tag. No. EX-0061											
2	Duty Permanent											
3	Type ☐ Wall Mounted ☐ Duct Mounted ☒ Utility (Centrifugal) ☐ Roof Type ☐ Other											
4	Quantity (working+stand-by) 1				Operating Weight kg			* 18				
5	Service Cylinder Storage				Type of Driver			El. Motor				
6	Overall Size l x w x h		m x m x m		* 0.325x0.345x0.391			Installation Outdoor				
7	Inlet: (single / duple) * Single				Impeller Type			* Backward Curved				
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							
13	OPERATING CONDITIONS											
14	Gas Composition Air / CO2				Suction Press. in.w.g			-0.64				
15	Molecular Weight 29 - 44				Discharge Pressure in.w.g			Atm.				
16	Air Flow Rate		Rated cfm		145 (* 220)			Differential Pressure in.w.g 0.64				
17			Normal cfm		130			Suc. Temp. Min. °F		-		
18	Relative Humidity at Suction		Max %		50			Max. °F		90		
19	FAN DATA					MOTOR DATA						
20	Manufacturer / Origin * Elektrovent / Italy				Manufacturer / Origin * -							
21	Model No. * SIROCCO 180				Model No. * -							
22	Fan Diameter		m		* 0.18			Input Power Kw		* 0.25		
23	Fan Speed		rpm		* 1335			Speed rpm		* 1450		
24	Material / Thickness		Casing mm		* Enamelled Steel / 2			Insulation Class / Temperature Rise * F/B				
25			Impeller mm		* Bended & W. St / 2			Power Supply V/Ph/Hz 400 / 3 / 50				
26	Material / Mfg. / Origin		Shaft		* N.A.			Degree Of Protection IP 54 (* IP 55)				
27			Pulley		* N.A.			System Full Load Current A * 0.8				
28	Manufacturer / Origin		Belt		* N.A.			System Power Factor % * 65				
29	Finish		Casing		* Epoxy Paint			Hazardous Classification Unclassified				
30			Impeller		* Epoxy Paint			Motor Efficiency % * 69				
31	ACCESSORIES											
32			Required		More Specification				Required		More Specification	
33	Pulley Guard		* OK		*		Base		Yes		* steel channel profile	
34	Belt Guard		* OK		*		Safety Screen		Outlet		*	
35	Bearing Guard		* OK		*		Vibration Isolator		Yes		*	
36	Air Flow Switch / Model No.		Yes		* SONTAY (PA-DPS-90W)		Gravity Damper		Yes		*	
37	Drain Hole		Yes		*		Inlet Connection		Yes		Flanged	
38	Elec. Terminal Junction Box		Yes		IP 55, With Cable Gland		Outlet Connection		No		-	
39	LOCAL CONTROL STATION											
40	Required				No		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			* 70		
46	DIRECTION OF DISCHARGE (Note 2)											
47	☐ ☐ ☐ ☐ ☐ ☒ ☐ ☐											
48	       											
49												
50												
51												

- REMARKS:
- * Filled by vendor.
 - Direction of rotation is determined from drive side of fan.
 - N.A Not Applicable.