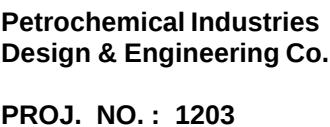
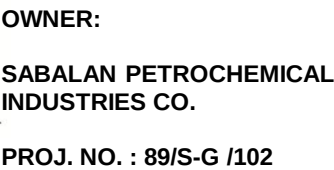


 Petrochemical Industries Design & Engineering Co. PROJ. NO. : 1203		SABALAN METHANOL PLANT COVER SHEET		 OWNER: SABALAN PETROCHEMICAL INDUSTRIES CO. PROJ. NO. : 89/S-G /102		
DATA SHEET FOR CENTRIFUGAL EXHAUST FAN FOR LV SWITCHGEAR ROOM CO2 REMOVAL IN SUBSTATION APPROVED FOR CONSTRUCTION SABALAN METHANOL PROJECT / 1203 DOCUMENT NO : 1203-00-HV-DSH-026 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
04	07.10.2015	APPROVED FOR CONSTRUCTION	A.Mirzaie	M.Momenaie	A.Moadeli	N.Jafarpour
03	23.09.2012	APPROVED FOR CONSTRUCTION	A.Mirzaie	M.Momenaie	A.Moadeli	N.Jafarpour
02	07.07.2012	APPROVED FOR CONSTRUCTION	A.Mirzaie	M.Momenaie	A.Moadeli	N.Jafarpour
01	07.04.2012	APPROVED FOR CONSTRUCTION	M.Moosavi	M.Momenaie	A.Moadeli	N.Jafarpour
00	28.02.2012	ISSUED FOR ENGINEERING	M.Moosavi	M.Momenaie	A.Moadeli	N.Jafarpour
Rev.	Date	Purpose Of Issue	Prepared by	Checked by	Approved by	Project

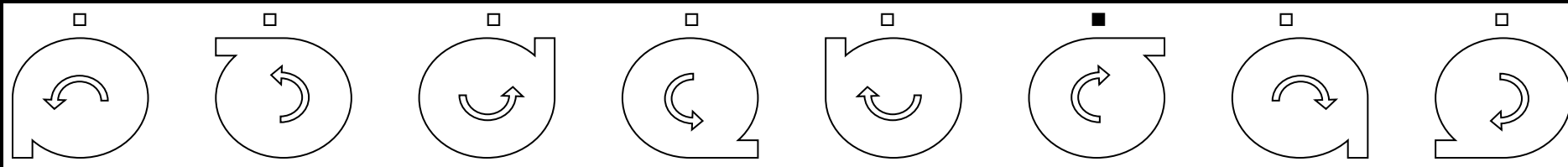


**DSH FOR CENT. EX. FAN FOR LV S/G
ROOM CO2 REMOVAL IN SUBSTATION**

Rev.: 04

[illegible]

 Petrochemical Industries Design & Engineering Co. PROJ. NO. : 1203	SABALAN METHANOL PLANT		 OWNER: SABALAN PETROCHEMICAL INDUSTRIES CO. PROJ. NO. : 89/S-G /102
	DSH FOR CENT. EX. FAN FOR LV S/G ROOM CO2 REMOVAL IN SUBSTATION		
	DOC. NO. : 1203-00-HV-DSH-026	Rev.: 04	

NO.	GENERAL									
1	Tag. No.		EX-0036							
2	Duty		Permanent							
3	Type		☐ Wall Mounted ☐ Duct Mounted ☒ Utility (Centrifugal) ☐ Roof Type ☐ Other							
4	Quantity (working+stand-by)		1		Operating Weight		kg		*	
5	Service		CO2 Rem. in S/S LV S/G		Type of Driver		El. Motor			
6	Overall Size		l×w×h m×m×m		Installation		Outdoor			
7	Inlet: (single / duple)		*		Impeller Type		*			
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		-0.68 	
15	Molecular Weight		29 - 44		Discharge Pressure		in.w.g		Atm.	
16	Air Flow Rate		Rated cfm 2340		Differential Pressure		in.w.g		0.68 	
17			Normal cfm 2130		Suc. Temp.		Min. °F		90	
18	Relative Humidity at Suc		Max % 50				Max. °F		95	
19	FAN DATA									
20	Manufacturer / Origin		* / *				Manufacturer / 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 / Mfg. / Origin		Shaft * / * / *				Degree Of Protection		IP 55	
27			Pulley * / * / *				System Full Load Current		A *	
28	Manufacturer / 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		Yes		Gravity Damper		Yes		*	
37	Drain Hole		Yes		Inlet Connection		Yes		Flanged	
38	Elec. Terminal Junction		Yes		IP-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.