

MOTOR DATA SHEET

General Data	1.0	Customer Data- MOTOR NO .1	
	1.1	Data Sheet No.	#212276
	1.2	Location:	ASDHOD ISRAEL
	1.3	Plant/Unit:	KAMAD ASDHOD STATION 1
	1.4	Project Name:	
	1.5	Motor Function:	OIL PUMP
	1.6	Motor Tag Number	M-0001
	1.7	Max./Min. Ambient. Temp.:	0-40° C
	1.8	Altitude Over Sea Level	10m.
	1.9	Relative Humidity:	90%
	1.10	Atmosphere:	Petrochemicals
	1.11	Environment classification	Zone 2
	1.12		TEFC/IP-55
	1.13	Type:	NON SPARKING
	1.14	Specification:	I.E.C
	1.15	Prepared By:	A.S.
1.16	Date:	25/02/2019	
	2.0	Customer Motor Requirements	
Electrical Data	2.1	Motor Type:	Cage Rotor
	2.2	Rated Output	350 HP
	2.3	Rated Voltage:	380 V
	2.4	Phases:	3
	2.5	Frequency:	50 Hz
	2.6	Stator Winding Connection:	Y/Δ
	2.7	Number Of Terminals:	6 - On terminal plate
	2.8	Starting Method:	D.O.L.
	2.9	Insulating Class:	F
	2.10	Stator Wind. Max. Temp.class	B
	2.11	Efficiency Class	EFF-3/PREMIUM
	2.12	Thermal Protection Device Type	PT-100
	2.12.1	Mounted in a separate terminal box	YES
	2.12.2	Control Cable Entries - Number/Size	1/M32
	2.13	No.of Thermal Protection Device in winding	6
	2.14	No.of Thermal Protection Device in bearings	1+1
	2.15	Anti Condensation Heater type	2X99 W-230 VAC
	2.15.1	Mounted in a separate terminal box	YES
	2.15.2	Control Cable Entries - Number/Size	1/M20
2.16	Stating Freq. (No. Of Starts/1H from hot) :	4	
2.17	Duty	S1	
2.18	Service Factor:	1.15	
2.19	Synchronous Speed:	2970 r.p.m	
Mechanical Data	2.20	Cable Size	2(4X150) mm ²
	2.21	Cable Type	N2XBY
	2.22	Enclosure Material:	CAST IRON
	2.23	Type Of Enclosure - Motor:	TEFC/IP-55
	2.24	Terminal Box Enclosure	Eexn IIA
	2.25	Power Cable Entries - Number/size	2 FOR CABLE Ø 66 mm
	2.26	Power Terminal Box Location	FROM NDE-NDE LEFT SIDE
		Control Terminal Boxes Location	FROM NDE-MIDLE RIGHT SIDE
	2.27	Paint Standard	Epoxy
	2.28	Frame Size:	355
	2.29	Type Of Load:	OIL PUMP
	2.30	Type Of Coupling:	N/A
		Bearing Type:	DE-NU3.... NDE-63...
	2.31	Bearing Lubrication Type:	Grease
	2.32	Mounting:	B3
	2.33	Canopy for vertical mounted motor	N/A
	2.34	Direction Of Rotation (Viewed From The Drive	BIDIRECTIONAL
2.35	Vibration Category:	NORMAL	
2.36	Method of Cooling:	AIR	

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	1.6	Motor Tag Number	M-0001	
	3.0	Manufacturer Motor Data		
General Data	3.1	Prepared By:		
	3.2	Date:		
	3.3	Manufacturer:		
	3.4	Motor Type		
	3.5	Frame Size:		
	3.6	Environment classification		
	3.7	Type:		
	3.8			
	3.9	Rated Power		HP
Electrical Data	3.10	Full Load Current:		A
	3.11	Locked Rotor Current:		x I_n
	3.12	No Load Current:		A
	3.13	Power Factor At: 100% Full Load:		
	3.13.1	80% Full Load:		
	3.13.2	70% Full Load:		
	3.13.3	50% Full Load:		
	3.13.4	No Load:		
	3.14	Efficiency Class		
	3.14.1	Efficiency At: 100% Full Load:		%
	3.14.2	80% Full Load:		%
	3.14.3	70% Full Load:		%
	3.14.4	50% Full Load:		%
	3.15	Rated Torque:		Kg-m
	3.16	Locked Rotor Torque:		x T_n
3.17	Breakdown Torque:		x T_n	
Mechanical Data	3.18	Bearing Type On DE		
	3.19	Bearing Type On NDE		
	3.20	Method of Cooling:		
	3.21	Max. Permis. Temp. Of Bearings		
	3.22	Type Of Enclosure - Motor:		
	3.23	Terminal Box Enclosure		
	3.24	Net Weight:		Kg.
	3.25	Weight Of Rotating Parts:		Kg.
	3.26	Rotor Moment of Inertia		Kg-m²