

MOTOR DATA SHEET

General Data	1.0	Customer Data		
	1.1	Data Sheet No.		
	1.2	Location:	ISRAEL	
	1.3	Plant/Unit:	ASHKELON	
	1.4	Project Name:		
	1.5	Motor Function:	Concentrate Pump for Firefighting	
	1.6	Motor Tag Number	FP - 0004	
	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	Non Hazardous Locations	
	1.12	Type:	TEFC/IP-55	
	1.13		GENERAL	
	1.14	Specification:	I.E.C	
	1.15	Prepared By:	A.S.	
1.16	Date:	08/06/2022		
Electrical Data	2.0	Customer Motor Requirements		
	2.1	Motor Type:	Cage Rotor	
	2.2	Rated Output	50	HP
	2.3	Rated Voltage:	400	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	N/A	
	2.12.1	Mounted in a separate terminal box	N/A	
	2.12.2	Control Cable Entries – Number/Size	N/A	
	2.13	No.of Thermal Protection Device in winding	N/A	
	2.14	No.of Thermal Protection Device in bearings	N/A	
	2.15	Anti Condensation Heater type	1X99 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	Starting Freq. (No. Of Starts/1H from hot) :	4		
2.17	Duty	S1		
2.18	Service Factor:	1.15		
2.19	Synchronous Speed:	1480	r.p.m	
Mechanical Data	2.20	Cable Size	4X10	mm ²
	2.21	Cable Type	N2XY	
	2.22	Enclosure Material:	CAST IRON	
	2.23	Type Of Enclosure - Motor:	TEFC/IP-55	
	2.24	Terminal Box Enclosure	IP-55	
	2.25	Power Cable Entries – Number/size	1 FOR CABLE Ø 23 mm	
	2.26	Power Terminal Box Location	N/A	
		Control Terminal Boxes Location	N/A	
	2.27	Paint Standard	Epoxy	
	2.28	Frame Size:	VSS-T324/MONOBLOK	
	2.29	Type Of Load:	HORIZONTAL PUMP	
	2.30	Type Of Coupling:	N/A	
		Bearing Type:	DE-7..., NDE-6...	
	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 End)	BIDIRECTIONAL	
2.35	Vibration Category:	NORMAL		
2.36	Method of Cooling:	AIR		

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	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-m ²