

Technical specification- MV motor- EAPC

General information

REQUIRED

	<u>Terms</u>	<u>Value</u>	<u>Unit</u>
1	Application	PUMP	
2	Quantity	1	
2.1	Motor type	Cage rotor	
2.2	industry standard	IEC 60034	
2.3	Frame size	335CB	
3	<u>Parameter</u>		
3.1	Power Supply Voltage	6600	(V) - volts
3.2	Power Supply Freq	50	(Hz) - Hertz
3.3	Output Power	250	(Kw) - kilo watt
3.4	Syn speed	1500	RPM
3.5	Phase	3	
3.6	No. of Poles	4	
3.6	Winding R.T.D	Total 9	3 pcs for one phase
3.6	Bearing R.T.D	Total 4	2 pcsfor one bearing
3.6	Rotor Conductor	Cu-Alloy	
3.6	S.F	1.05	
3.6	Starting Performance	135	(A) LRC MAX Value - Lock rotaor current
3.6	Stator winding	Insulation Class	F
3.6	Efficiency at 100% load	Min 96	%
3.6	Enclosure	TEFC, IC411	A totally Enclosed Fan Cooled IP55 - Outdoor
3.6	Motor mounting positions	IMB3	IM1001, HFM
3.6	Starting method	DOL	(DOL) - Direct on line
3.6	Rotation	Facing The Drive End	CCW(Counter ClockWise)

3.6	Drive Method		Direct Coupling
3.6	Environment	-20 ~ 50 °C	Amb. Temp
4	<u>Testing</u>		
4.1	Unwitnessed routine		included
4.2	One Unwitnessed		included
4.3	Witnessed routine		included
4.4	Witnessed type		included
5	<u>Area Classification</u>		
5.1	IEC 60079-7:2015	II 3G - Ex ec IIc T3	
-	or		
5.2	ATEX -Directive 94/9/EC	II 3G IIC T3	
6	<u>Warranty</u>		
6.1	12 months from the date of commissioning or 18 months		
7	<u>Spare parts</u>		
7.1	Bearing	D.E & N.D.E	
8	<u>Painting</u>		
8.1	Color	RAL9010	
8.2	PREMARY COATING	75 MICRO-M	INORGANIC XINC - LIGHT GREEN
8.3	SECONDARY COATING	115*2 MICRO-M	EPOXY - MUNSELL 7.5B 3.5/0.5
8.4	FINISH COATING	75 MICRO-M	POLYURETHANE RESIN ENAMEL - RAL9010
8.5	Total film thickness	380	MICRO-M
9	<u>DOCUMENTATION</u> - The following documents are to be transmitted in English:		
9.1	<u>With bid:</u>		
9.1.1	General arrangement drawings of motor overall dimensions		
9.1.2	Cross section showing construction details		
9.1.3	Material Specification		
9.1.4	IECEX / ATEX Certificate of conformity		
9.2	<u>With Order:</u>		
9.2.1	General arrangement drawings of motor - measurement dimensions		

9.2.2	Installation, Operating and Maintenance Instruction/manuals, including full parts list and drawings explaining replacement of spares.		
9.2.3	Wiring diagrams MV/PT100/Geaters etc		
9.2.4	Material inspection certificates for: Seats, Stem, Gate, Body, Bonnet, Bolts and Nuts.		
9.2.5	Eur1 certificate or US Certificate of Origin will be required. (An Israeli manufacturer and Teco company are excluded from this requirement)		
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NOTE	The winner of the tender must take measurements in the field, do not use a transition adapter		