

DATA SHEET



Three Phase Induction Motor - Squirrel Cage

Customer :													
Product line : Rolled Steel JM Pump High Efficiency Three-Phase	Product code : 13550954 Catalog # : 02536OP3EFP256JMV-S												
Frame : 254/6JM Output : 25 HP (18.5 kW) Poles : 2 Frequency : 60 Hz Rated voltage : 230/460 V Rated current : 58.0/29.0 A L. R. Amperes : 360/180 A LRC : 6.2x(Code G) No load current : 22.4/11.2 A Rated speed : 3530 rpm Slip : 1.94 % Rated torque : 37.2 ft.lb Locked rotor torque : 180 % Breakdown torque : 280 % Insulation class : F Service factor : 1.15 Moment of inertia (J) : 0.8718 sq.ft.lb Design : B	Locked rotor time : 16s (cold) 9s (hot) Temperature rise : 80 K Duty cycle : Cont.(S1) Ambient temperature : -20°C to +40°C Altitude : 1000 m.a.s.l. Cooling method : IC01 - ODP Mounting : W-6 Rotation ¹ : Both (CW and CCW) Noise level ² : 70.0 dB(A) Starting method : Direct On Line Approx. weight ³ : 169 lb												
Output 25% 50% 75% 100% Efficiency (%) 90.0 91.9 90.2 90.3 91.0 89.5 91.0 87.6 90.4 89.6 89.8 88.7 Power Factor 0.48 0.54 0.75 0.81 0.84 0.88 0.88 0.90 0.43 0.71 0.82 0.87	Foundation loads Max. traction : 454 lb Max. compression : 623 lb												
Bearing type : Sealing : Lubrication interval : Lubricant amount : Lubricant type :	<table border="0"> <tr> <td style="text-align: center;"><u>Drive end</u></td> <td style="text-align: center;"><u>Non drive end</u></td> </tr> <tr> <td style="text-align: center;">6309 Z C3</td> <td style="text-align: center;">6208 Z C3</td> </tr> <tr> <td style="text-align: center;">Without Bearing Seal</td> <td style="text-align: center;">Without Bearing Seal</td> </tr> <tr> <td style="text-align: center;">15797 h</td> <td style="text-align: center;">20000 h</td> </tr> <tr> <td style="text-align: center;">13 g</td> <td style="text-align: center;">8 g</td> </tr> <tr> <td colspan="2" style="text-align: center;">Mobil Polyrex EM</td> </tr> </table>	<u>Drive end</u>	<u>Non drive end</u>	6309 Z C3	6208 Z C3	Without Bearing Seal	Without Bearing Seal	15797 h	20000 h	13 g	8 g	Mobil Polyrex EM	
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This revision replaces and cancel the previous one, which must be eliminated. (1) Looking the motor from the shaft end. (2) Measured at 1m and with tolerance of +3dB(A). (3) Approximate weight subject to changes after manufacturing process. (4) At 100% of full load.	These are average values based on tests with sinusoidal power supply, subject to the tolerances stipulated in NEMA MG-1.												
Rev.	Changes Summary	Performed	Checked	Date									
Performed by													
Checked by			Page	Revision									
Date	26/03/2024		1 / 1										