

# DATA SHEET



## Single Phase Induction Motor - Squirrel Cage

Customer :																			
Product line : W22 JM Pump Single-Phase			Product code : 14121099																
			Catalog # : 00718ES1C215JM-W22																
Frame : 213/5JM Output : 7.5 HP (5.5 kW) Poles : 4 Frequency : 60 Hz Rated voltage : 208-230 V Rated current : 33.0-31.7 A L. R. Amperes : 254-244 A LRC : 7.7x(Code J) No load current : 11.0-12.8 A Rated speed : 1750 rpm Slip : 2.78 % Rated torque : 22.5 ft.lb Locked rotor torque : 370 % Breakdown torque : 260 % Insulation class : F Service factor : 1.15 Moment of inertia (J) : 1.09 sq.ft.lb			Locked rotor time : 10s (cold) 6s (hot) Temperature rise : 80 K Duty cycle : Cont.(S1) Ambient temperature : -20°C to +40°C Altitude : 1000 m.a.s.l. Protection degree : IP55 Cooling method : IC411 - TEFC Mounting : F-1 Rotation <sup>1</sup> : CCW Noise level <sup>2</sup> : 63.0 dB(A) Starting method : Direct On Line Approx. weight <sup>3</sup> : 183 lb																
<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td>Output</td> <td>25%</td> <td>50%</td> <td>75%</td> <td>100%</td> </tr> <tr> <td>Efficiency (%)</td> <td>73.6</td> <td>75.6</td> <td>81.0</td> <td>83.0</td> </tr> <tr> <td>Power Factor</td> <td>0.53</td> <td>0.82</td> <td>0.88</td> <td>0.91</td> </tr> </table>			Output	25%	50%	75%	100%	Efficiency (%)	73.6	75.6	81.0	83.0	Power Factor	0.53	0.82	0.88	0.91	Foundation loads Max. traction : 238 lb Max. compression : 422 lb	
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Bearing type : Sealing : Lubrication interval : Lubricant amount : Lubricant type :			<table border="0" style="width:100%;"> <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 ZZ C3</td> <td style="text-align:center;">6206 ZZ</td> </tr> <tr> <td style="text-align:center;">V'Ring</td> <td style="text-align:center;">V'Ring</td> </tr> <tr> <td style="text-align:center;">-</td> <td style="text-align:center;">-</td> </tr> <tr> <td style="text-align:center;">-</td> <td style="text-align:center;">-</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 ZZ C3	6206 ZZ	V'Ring	V'Ring	-	-	-	-	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				Page      Revision 1 / 1															
Checked by																			
Date		30/03/2024																	