

# DATA SHEET



## Three Phase Induction Motor - Squirrel Cage

Customer :																			
Product line : W40 High Efficiency Three-Phase			Product code : 14281213																
			Catalog # : 06018OP3VFP364TS-W40																
Frame : 364/5TS Output : 60 HP (45 kW) Poles : 4 Frequency : 60 Hz Rated voltage : 200/400 V Rated current : 163/81.7 A L. R. Amperes : 1000/498 A LRC : 6.1x(Code G) No load current : 52.9/26.5 A Rated speed : 1777 rpm Slip : 1.28 % Rated torque : 177 ft.lb Locked rotor torque : 180 % Breakdown torque : 229 % Insulation class : F Service factor : 1.15 Moment of inertia (J) : 12.8 sq.ft.lb Design : B			Locked rotor time : 39s (cold) 22s (hot) Temperature rise : 80 K Duty cycle : Cont.(S1) Ambient temperature : -20°C to +40°C Altitude : 1000 m.a.s.l. Protection degree : IP23 Cooling method : IC01 - ODP Mounting : F-1 Rotation <sup>1</sup> : Both (CW and CCW) Starting method : Direct On Line Approx. weight <sup>3</sup> : 693 lb																
<table border="1"> <tr> <td>Output</td> <td>25%</td> <td>50%</td> <td>75%</td> <td>100%</td> </tr> <tr> <td>Efficiency (%)</td> <td>92.9</td> <td>93.0</td> <td>93.6</td> <td>93.6</td> </tr> <tr> <td>Power Factor</td> <td>0.49</td> <td>0.73</td> <td>0.82</td> <td>0.85</td> </tr> </table>			Output	25%	50%	75%	100%	Efficiency (%)	92.9	93.0	93.6	93.6	Power Factor	0.49	0.73	0.82	0.85	Foundation loads Max. traction : 1051 lb Max. compression : 1744 lb	
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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;">6314 C3</td> <td style="text-align: center;">6212 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;">20000 h</td> <td style="text-align: center;">20000 h</td> </tr> <tr> <td style="text-align: center;">27 g</td> <td style="text-align: center;">13 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>	6314 C3	6212 Z C3	Without Bearing Seal	Without Bearing Seal	20000 h	20000 h	27 g	13 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															