

DATA SHEET



Three Phase Induction Motor - Squirrel Cage

Customer :																			
Product line	: Rolled Steel JM Pump NEMA Premium Efficiency Three-Phase																		
Product code :	12845394																		
Catalog # :	00518OT3V184JM-S																		
Frame : 182/4JM Output : 5 HP (3.7 kW) Poles : 4 Frequency : 60 Hz Rated voltage : 200/400 V Rated current : 14.6/7.28 A L. R. Amperes : 105/52.4 A LRC : 7.2x(Code J) No load current : 7.24/3.62 A Rated speed : 1760 rpm Slip : 2.22 % Rated torque : 14.9 ft.lb Locked rotor torque : 200 % Breakdown torque : 310 % Insulation class : F Service factor : 1.15 Moment of inertia (J) : 0.4003 sq.ft.lb Design : B	Locked rotor time : 21s (cold) 12s (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 : F-1 Rotation ¹ : Both (CW and CCW) Noise level ² : 55.0 dB(A) Starting method : Direct On Line Approx. weight ³ : 87.1 lb																		
Output	25% 50% 75% 100%																		
Efficiency (%)	87.5 88.5 88.5 89.5																		
Power Factor	0.38 0.63 0.76 0.82																		
Foundation loads																			
Max. traction : 252 lb																			
Max. compression : 339 lb																			
	<table border="0"> <tr> <td></td> <td style="text-align: center;"><u>Drive end</u></td> <td style="text-align: center;"><u>Non drive end</u></td> </tr> <tr> <td>Bearing type :</td> <td style="text-align: center;">6207 ZZ</td> <td style="text-align: center;">6205 ZZ</td> </tr> <tr> <td>Sealing :</td> <td style="text-align: center;">Without Bearing Seal</td> <td style="text-align: center;">Without Bearing Seal</td> </tr> <tr> <td>Lubrication interval :</td> <td style="text-align: center;">-</td> <td style="text-align: center;">-</td> </tr> <tr> <td>Lubricant amount :</td> <td style="text-align: center;">-</td> <td style="text-align: center;">-</td> </tr> <tr> <td>Lubricant type :</td> <td colspan="2" style="text-align: center;">Mobil Polyrex EM</td> </tr> </table>		<u>Drive end</u>	<u>Non drive end</u>	Bearing type :	6207 ZZ	6205 ZZ	Sealing :	Without Bearing Seal	Without Bearing Seal	Lubrication interval :	-	-	Lubricant amount :	-	-	Lubricant type :	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	29/03/2024		1 / 1																