

DATA SHEET



Three Phase Induction Motor - Squirrel Cage

Customer :																			
Product line	: Rolled Steel JM Pump NEMA Premium Efficiency Three-Phase																		
Product code :	13506324																		
Catalog # :	02536ET3H256JM-S																		
Frame : 254/6JM Output : 25 HP (18.5 kW) Poles : 2 Frequency : 60 Hz Rated voltage : 575 V Rated current : 22.8 A L. R. Amperes : 189 A LRC : 8.3x(Code J) No load current : 8.04 A Rated speed : 3530 rpm Slip : 1.94 % Rated torque : 36.7 ft.lb Locked rotor torque : 240 % Breakdown torque : 340 % Insulation class : F Service factor : 1.15 Moment of inertia (J) : 1.31 sq.ft.lb Design : A	Locked rotor time : 14s (cold) 8s (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 ¹ : Both (CW and CCW) Noise level ² : 75.0 dB(A) Starting method : Direct On Line Approx. weight ³ : 244 lb																		
Output	25% 50% 75% 100%																		
Efficiency (%)	90.8 91.0 91.7 91.7																		
Power Factor	0.50 0.77 0.85 0.89																		
Foundation loads																			
Max. traction : 484 lb																			
Max. compression : 728 lb																			
	<table border="0" style="width:100%;"> <tr> <td style="width: 50%;"></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;">6309 Z C3</td> <td style="text-align: center;">6208 Z C3</td> </tr> <tr> <td>Sealing :</td> <td style="text-align: center;">V'Ring</td> <td style="text-align: center;">V'Ring</td> </tr> <tr> <td>Lubrication interval :</td> <td style="text-align: center;">15797 h</td> <td style="text-align: center;">20000 h</td> </tr> <tr> <td>Lubricant amount :</td> <td style="text-align: center;">13 g</td> <td style="text-align: center;">8 g</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 :	6309 Z C3	6208 Z C3	Sealing :	V'Ring	V'Ring	Lubrication interval :	15797 h	20000 h	Lubricant amount :	13 g	8 g	Lubricant type :	Mobil Polyrex EM	
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Notes																			
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	22/01/2018		1 / 1																