

# DATA SHEET



## Three Phase Induction Motor - Squirrel Cage

Customer :																			
Product line	: W22 Close Coupled Pump JM NEMA Premium Efficiency Three-Phase																		
Product code :	13523071																		
Catalog # :	02536ET3H256JM-W22																		
Frame : 254/6JM Output : 25 HP (18.5 kW) Poles : 2 Frequency : 60 Hz Rated voltage : 575 V Rated current : 22.5 A L. R. Amperes : 144 A LRC : 6.4x(Code G) No load current : 5.53 A Rated speed : 3515 rpm Slip : 2.36 % Rated torque : 36.8 ft.lb Locked rotor torque : 180 % Breakdown torque : 229 % Insulation class : F Service factor : 1.00 Moment of inertia (J) Design : B	Locked rotor time : 32s (cold) 18s (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> : Both (CW and CCW) Noise level <sup>2</sup> : 72.0 dB(A) Starting method : Direct On Line Approx. weight <sup>3</sup> : 335 lb																		
Output	25%    50%    75%    100%																		
Efficiency (%)	90.8    91.0    91.7    91.7																		
Power Factor	0.60    0.83    0.88    0.90																		
Foundation loads	Max. traction : 238 lb Max. compression : 574 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>6309 C3</td> <td>6209 C3</td> </tr> <tr> <td>Sealing :</td> <td>V'Ring</td> <td>V'Ring</td> </tr> <tr> <td>Lubrication interval :</td> <td>19000 h</td> <td>20000 h</td> </tr> <tr> <td>Lubricant amount :</td> <td>13 g</td> <td>9 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 C3	6209 C3	Sealing :	V'Ring	V'Ring	Lubrication interval :	19000 h	20000 h	Lubricant amount :	13 g	9 g	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	22/01/2018		1 / 1																