

# DATA SHEET



## Three Phase Induction Motor - Squirrel Cage

Customer :																			
Product line	: W22 Close Coupled Pump JM NEMA Premium Efficiency Three-Phase																		
Product code :	12712314																		
Catalog # :	07536ET3H365JM-W22																		
Frame : 364/5JM Output : 75 HP (55 kW) Poles : 2 Frequency : 60 Hz Rated voltage : 575 V Rated current : 65.5 A L. R. Amperes : 439 A LRC : 6.7x(Code G) No load current : 17.6 A Rated speed : 3555 rpm Slip : 1.25 % Rated torque : 109 ft.lb Locked rotor torque : 200 % Breakdown torque : 260 % Insulation class : F Service factor : 1.25 Moment of inertia (J) : 11.9 sq.ft.lb Design : B	Locked rotor time : 18s (cold) 10s (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> : 79.0 dB(A) Starting method : Direct On Line Approx. weight <sup>3</sup> : 826 lb																		
Output	25%    50%    75%    100%																		
Efficiency (%)	92.2    92.4    93.6    93.6																		
Power Factor	0.59    0.83    0.88    0.90																		
Foundation loads	Max. traction : 573 lb Max. compression : 1399 lb																		
	<table border="0" style="width:100%;"> <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;">6314 C3</td> <td style="text-align: center;">6314 C3</td> </tr> <tr> <td>Sealing :</td> <td style="text-align: center;">Lip Seal</td> <td style="text-align: center;">Lip Seal</td> </tr> <tr> <td>Lubrication interval :</td> <td style="text-align: center;">4000 h</td> <td style="text-align: center;">4000 h</td> </tr> <tr> <td>Lubricant amount :</td> <td style="text-align: center;">27 g</td> <td style="text-align: center;">27 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 :	6314 C3	6314 C3	Sealing :	Lip Seal	Lip Seal	Lubrication interval :	4000 h	4000 h	Lubricant amount :	27 g	27 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																