

DATA SHEET



Three Phase Induction Motor - Squirrel Cage

Customer :																						
Product line : Close Coupled Pump NEMA Premium Efficiency Three-Phase		Product code : 11263064																				
		Catalog # : 07536OT3E364JP																				
Frame	: 364/5JP		Locked rotor time	: 25s (cold) 14s (hot)																		
Output	: 75 HP (55 kW)		Temperature rise	: 80 K																		
Poles	: 2		Duty cycle	: Cont.(S1)																		
Frequency	: 60 Hz		Ambient temperature	: -20°C to +40°C																		
Rated voltage	: 230/460 V		Altitude	: 1000 m.a.s.l.																		
Rated current	: 167/83.4 A		Protection degree	: IP23																		
L. R. Amperes	: 1068/534 A		Cooling method	: IC01 - ODP																		
LRC	: 6.4x(Code G)		Mounting	: F-1																		
No load current	: 47.0/23.5 A		Rotation ¹	: Both (CW and CCW)																		
Rated speed	: 3560 rpm		Noise level ²	: 80.0 dB(A)																		
Slip	: 1.11 %		Starting method	: Direct On Line																		
Rated torque	: 111 ft.lb		Approx. weight ³	: 763 lb																		
Locked rotor torque	: 180 %																					
Breakdown torque	: 280 %																					
Insulation class	: F																					
Service factor	: 1.15																					
Moment of inertia (J)	: 6.81 sq.ft.lb																					
Design	: B																					
Output	25%	50%	75%	100%																		
Efficiency (%)	93.5	85.2	93.6	88.4																		
	94.1	90.0	94.1	93.7																		
	86.3	87.5	88.9	89.5																		
	90.8	91.7	92.4	93.2																		
Power Factor	0.54	0.51	0.78	0.74																		
	0.85	0.83	0.88	0.86																		
	0.47	0.43	0.71	0.67																		
	0.62	0.59	0.83	0.83																		
	0.87	0.87	0.88	0.88																		
Foundation loads		Max. traction : 621 lb																				
		Max. compression : 1385 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>: 6314 C3</td> <td>: 6314 C3</td> </tr> <tr> <td>Sealing</td> <td>: Without Bearing Seal</td> <td>: Without Bearing Seal</td> </tr> <tr> <td>Lubrication interval</td> <td>: 14418 h</td> <td>: 14418 h</td> </tr> <tr> <td>Lubricant amount</td> <td>: 27 g</td> <td>: 27 g</td> </tr> <tr> <td>Lubricant type</td> <td colspan="2">: Mobil Polyrex EM</td> </tr> </table>				<u>Drive end</u>	<u>Non drive end</u>	Bearing type	: 6314 C3	: 6314 C3	Sealing	: Without Bearing Seal	: Without Bearing Seal	Lubrication interval	: 14418 h	: 14418 h	Lubricant amount	: 27 g	: 27 g	Lubricant type	: Mobil Polyrex EM	
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Notes:																						
<p>This revision replaces and cancel the previous one, which must be eliminated.</p> <p>(1) Looking the motor from the shaft end.</p> <p>(2) Measured at 1m and with tolerance of +3dB(A).</p> <p>(3) Approximate weight subject to changes after manufacturing process.</p> <p>(4) At 100% of full load.</p>			<p>These are average values based on tests with sinusoidal power supply, subject to the tolerances stipulated in NEMA MG-1.</p>																			
Rev.	Changes Summary		Performed	Checked																		
Performed by			Page	Revision																		
Checked by																						
Date	29/03/2024																					
			1 / 1																			