

# DATA SHEET



## Three Phase Induction Motor - Squirrel Cage

Customer :																						
Product line		: ODP NEMA Premium Efficiency Three-Phase		Product code : 13926811																		
Frame	: 444/5TS		Locked rotor time	: 32s (cold) 18s (hot)																		
Output	: 250 HP (185 kW)		Temperature rise	: 80 K																		
Poles	: 2		Duty cycle	: Cont.(S1)																		
Frequency	: 60 Hz		Ambient temperature	: -20°C to +40°C																		
Rated voltage	: 575 V		Altitude	: 1000 m.a.s.l.																		
Rated current	: 222 A		Protection degree	: IP23																		
L. R. Amperes	: 1334 A		Cooling method	: IC01 - ODP																		
LRC	: 6.0x(Code F)		Mounting	: F-1																		
No load current	: 52.0 A		Rotation <sup>1</sup>	: Both (CW and CCW)																		
Rated speed	: 3565 rpm		Noise level <sup>2</sup>	: 88.0 dB(A)																		
Slip	: 0.97 %		Starting method	: Direct On Line																		
Rated torque	: 50.9 kgfm		Approx. weight <sup>3</sup>	: 663 kg																		
Locked rotor torque	: 190 %																					
Breakdown torque	: 250 %																					
Insulation class	: F																					
Service factor	: 1.15																					
Moment of inertia (J)	: 1.27 kgm <sup>2</sup>																					
Design	: B																					
Output	25%	50%	75%	100%																		
Efficiency (%)	93.9	94.1	95.0	95.0																		
Power Factor	0.61	0.84	0.87	0.88																		
Foundation loads																						
Max. traction : 781 kgf																						
Max. compression : 1444 kgf																						
<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	Date																	
Performed by																						
Checked by				Page	Revision																	
Date	15/01/2024			1 / 2																		

# LOAD PERFORMANCE CURVE

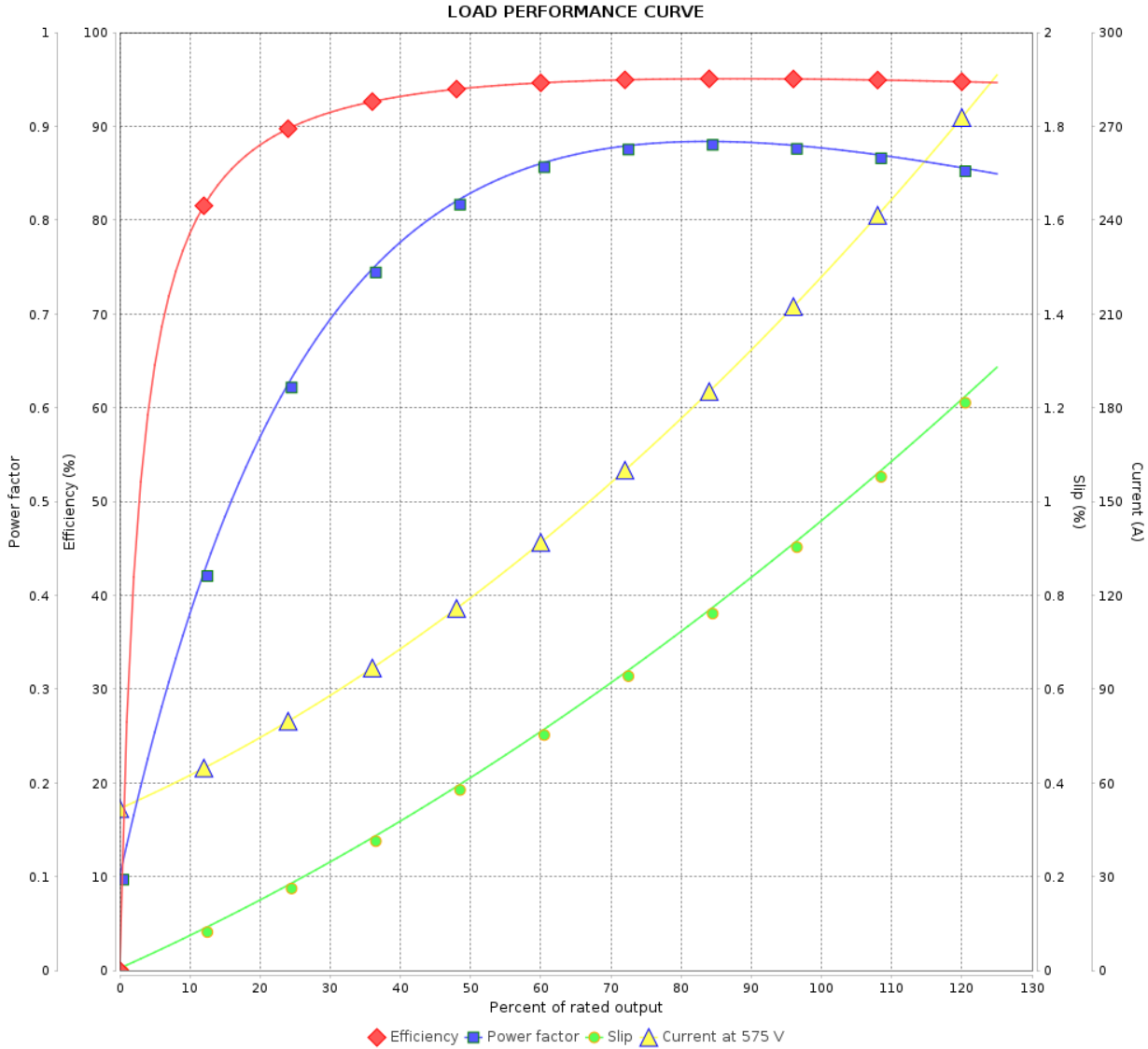
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 Breakdown torque : 250 %  
 Rated speed : 3565 rpm

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