

# DATA SHEET



## Three Phase Induction Motor - Squirrel Cage

Customer :																						
Product line		: W40 NEMA Premium Efficiency Three-Phase		Product code : 16083243																		
				Catalog # : 30036OT3G445TS-RFW40																		
Frame	: 444/5TS		Locked rotor time	: 21s (cold) 12s (hot)																		
Output	: 300 HP (220 kW)		Temperature rise	: 80 K																		
Poles	: 2		Duty cycle	: Cont.(S1)																		
Frequency	: 60 Hz		Ambient temperature	: -20°C to +40°C																		
Rated voltage	: 460 V		Altitude	: 1000 m.a.s.l.																		
Rated current	: 328 A		Protection degree	: IP23																		
L. R. Amperes	: 2132 A		Cooling method	: IC01 - ODP																		
LRC	: 6.5x(Code G)		Mounting	: F-1																		
No load current	: 85.0 A		Rotation <sup>1</sup>	: Both (CW and CCW)																		
Rated speed	: 3563 rpm		Noise level <sup>2</sup>	: 85.0 dB(A)																		
Slip	: 1.03 %		Starting method	: Direct On Line																		
Rated torque	: 61.1 kgfm		Approx. weight <sup>3</sup>	: 696 kg																		
Locked rotor torque	: 150 %																					
Breakdown torque	: 240 %																					
Insulation class	: F																					
Service factor	: 1.15																					
Moment of inertia (J)	: 1.20 kgm <sup>2</sup>																					
Design	: B																					
Output	25%	50%	75%	100%																		
Efficiency (%)	0.000	95.0	95.4	95.8																		
Power Factor	0.00	0.80	0.86	0.88																		
Foundation loads																						
Max. traction : 935 kgf																						
Max. compression : 1631 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 C4</td> <td>: 6212 Z C4</td> </tr> <tr> <td>Sealing</td> <td>: Without Bearing Seal</td> <td>: Without Bearing Seal</td> </tr> <tr> <td>Lubrication interval</td> <td>: 1200 h</td> <td>: 1200 h</td> </tr> <tr> <td>Lubricant amount</td> <td>: 10 g</td> <td>: 10 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 C4	: 6212 Z C4	Sealing	: Without Bearing Seal	: Without Bearing Seal	Lubrication interval	: 1200 h	: 1200 h	Lubricant amount	: 10 g	: 10 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																	
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### Space heater information

Voltage: 110-127/200-240 V

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Performed by				
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Date	04/11/2025		Page 2 / 2	Revision