

# DATA SHEET

## Three Phase Induction Motor - Squirrel Cage



Customer :																							
Product line		: W40 NEMA Premium Efficiency Three-Phase		Product code : 14272539																			
				Catalog # : 15018OT3G444TC-W40																			
Frame	: 444/5TC	Locked rotor time	: 39s (cold) 22s (hot)																				
Output	: 150 HP (110 kW)	Temperature rise	: 80 K																				
Poles	: 4	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	: 170 A	Protection degree	: IP23																				
L. R. Amperes	: 1105 A	Cooling method	: IC01 - ODP																				
LRC	: 6.5x(Code G)	Mounting	: F-1																				
No load current	: 58.0 A	Rotation <sup>1</sup>	: Both (CW and CCW)																				
Rated speed	: 1784 rpm	Noise level <sup>2</sup>	: 78.0 dB(A)																				
Slip	: 0.89 %	Starting method	: Direct On Line																				
Rated torque	: 442 ft.lb	Approx. weight <sup>3</sup>	: 1390 lb																				
Locked rotor torque	: 200 %																						
Breakdown torque	: 240 %																						
Insulation class	: F																						
Service factor	: 1.25																						
Moment of inertia (J)	: 42.1 sq.ft.lb																						
Design	: B																						
Output	25%	50%	75%	100%																			
Efficiency (%)	95.3	94.8	95.4	94.9	95.8	95.3	95.8	95.3															
Power Factor	0.49	0.49	0.74	0.74	0.82	0.82	0.85	0.85															
	0.45	0.42	0.70	0.68	0.80	0.78	0.84	0.83															
<table border="0"> <tr> <td></td><td style="text-align: center;">Drive end</td><td style="text-align: center;">Non drive end</td></tr> <tr> <td>Bearing type</td><td>: 6319 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>: 20000 h</td><td>: 20000 h</td></tr> <tr> <td>Lubricant amount</td><td>: 45 g</td><td>: 27 g</td></tr> <tr> <td>Lubricant type</td><td colspan="3" rowspan="3">Mobil Polyrex EM</td></tr> </table>						Drive end	Non drive end	Bearing type	: 6319 C3	: 6314 C3	Sealing	: Without Bearing Seal	: Without Bearing Seal	Lubrication interval	: 20000 h	: 20000 h	Lubricant amount	: 45 g	: 27 g	Lubricant type	Mobil Polyrex EM		
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<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>																							
Rev.	Changes Summary			Performed																			
				Checked																			
Performed by				Page																			
Checked by				Revision																			
Date	29/03/2024			1 / 1																			