

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :																							
Product line	: W40 NEMA Premium Efficiency Three-Phase		Product code :	14497425																			
			Catalog # :	06036OT3E326TS-W40																			
Frame	: 324/6TS	Locked rotor time	: 27s (cold) 15s (hot)																				
Output	: 60 HP (45 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	: 144/71.8 A	Protection degree	: IP23																				
L. R. Amperes	: 905/453 A	Cooling method	: IC01 - ODP																				
LRC	: 6.3x(Code G)	Mounting	: F-1																				
No load current	: 40.0/20.0 A	Rotation ¹	: Both (CW and CCW)																				
Rated speed	: 3555 rpm	Noise level ²	: 75.0 dB(A)																				
Slip	: 1.25 %	Starting method	: Direct On Line																				
Rated torque	: 88.6 ft.lb	Approx. weight ³	: 472 lb																				
Locked rotor torque	: 220 %																						
Breakdown torque	: 229 %																						
Insulation class	: F																						
Service factor	: 1.25																						
Moment of inertia (J)	: 3.82 sq.ft.lb																						
Design	: B																						
Output	25%	50%	75%	100%																			
Efficiency (%)	91.7	88.8	92.4	90.5	93.0	92.0	93.6	93.7															
Power Factor	0.51	0.53	0.72	0.73	0.81	0.82	0.84	0.86															
	0.46	0.40	0.67	0.60	0.77	0.72	0.83	0.79															
<table> <tr> <td></td><th>Drive end</th><th>Non drive end</th></tr> <tr> <td>Bearing type</td><td>: 6312 Z C3</td><td>6211 Z C3</td></tr> <tr> <td>Sealing</td><td>: Without Bearing Seal</td><td>Without Bearing Seal</td></tr> <tr> <td>Lubrication interval</td><td>: 19658 h</td><td>20000 h</td></tr> <tr> <td>Lubricant amount</td><td>: 21 g</td><td>11 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	: 6312 Z C3	6211 Z C3	Sealing	: Without Bearing Seal	Without Bearing Seal	Lubrication interval	: 19658 h	20000 h	Lubricant amount	: 21 g	11 g	Lubricant type	Mobil Polyrex EM		
	Drive end	Non drive end																					
Bearing type	: 6312 Z C3	6211 Z C3																					
Sealing	: Without Bearing Seal	Without Bearing Seal																					
Lubrication interval	: 19658 h	20000 h																					
Lubricant amount	: 21 g	11 g																					
Lubricant type	Mobil Polyrex EM																						
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>																							
Rev.	Changes Summary			Performed																			
				Checked																			
Performed by																							
Checked by																							
Date	28/03/2024																						
			Page	Revision																			
			1 / 1																				