

# DATA SHEET

## Three Phase Induction Motor - Squirrel Cage



Customer :																							
Product line	: Rolled Steel Standard Efficiency Three-Phase		Product code :	12625552																			
Frame	: 56	Locked rotor time	: 41s (cold) 23s (hot)																				
Output	: 0.5 HP (0.37 kW)	Temperature rise	: 80 K																				
Poles	: 4	Duty cycle	: Cont.(S1)																				
Frequency	: 60 Hz	Ambient temperature	: -20°C to +40°C																				
Rated voltage	: 208-230/460 V	Altitude	: 1000 m.a.s.l.																				
Rated current	: 2.16-1.95/0.977 A	Cooling method	: IC01 - ODP																				
L. R. Amperes	: 13.0-11.7/5.86 A	Mounting	: F-1																				
LRC	: 6.0x(Code L)	Rotation <sup>1</sup>	: Both (CW and CCW)																				
No load current	: 1.38-1.60/0.800 A	Noise level <sup>2</sup>	: 52.0 dB(A)																				
Rated speed	: 1755 rpm	Starting method	: Direct On Line																				
Slip	: 2.50 %	Approx. weight <sup>3</sup>	: 17.2 lb																				
Rated torque	: 1.50 ft.lb																						
Locked rotor torque	: 220 %																						
Breakdown torque	: 290 %																						
Insulation class	: F																						
Service factor	: 1.25																						
Moment of inertia (J)	: 0.0453 sq.ft.lb																						
Output	25%	50%	75%	100%																			
Efficiency (%)	62.0	66.3	64.0	67.5																			
	57.9	60.5	68.1	71.2																			
Power Factor	0.23	0.29	0.43	0.54																			
	0.24	0.45	0.58	0.68																			
<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>: 6203 ZZ</td><td>: 6202 ZZ</td></tr> <tr> <td>Sealing</td><td>: Without Bearing Seal</td><td>: Without Bearing Seal</td></tr> <tr> <td>Lubrication interval</td><td>: -</td><td>: -</td></tr> <tr> <td>Lubricant amount</td><td>: -</td><td>: -</td></tr> <tr> <td>Lubricant type</td><td colspan="3" rowspan="3" style="text-align: center;">Mobil Polyrex EM</td></tr> </table>						Drive end	Non drive end	Bearing type	: 6203 ZZ	: 6202 ZZ	Sealing	: Without Bearing Seal	: Without Bearing Seal	Lubrication interval	: -	: -	Lubricant amount	: -	: -	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>																							
Rev.	Changes Summary			Performed																			
				Checked																			
Performed by				Page																			
Checked by				Revision																			
Date	27/03/2024			1 / 1																			