

DATA SHEET



Three Phase Induction Motor - Squirrel Cage

Customer :																			
Product line	: Multimounting High Efficiency Three-Phase																		
Product code :	13982681																		
Catalog # :	.1818EP3EAL63-W22																		
Frame : 63 Output : 0.25 HP (0.18 kW) Poles : 4 Frequency : 60 Hz Rated voltage : 230/460 V Rated current : 1.02/0.512 A L. R. Amperes : 4.71/2.36 A LRC : 4.6 No load current : 0.940/0.470 A Rated speed : 1710 rpm Slip : 5.00 % Rated torque : 0.106 kgfm Locked rotor torque : 280 % Breakdown torque : 290 % Insulation class : F Service factor : 1.15 Moment of inertia (J) : 0.0006 kgm ² Design : N	Locked rotor time : 34s (cold) 19s (hot) Temperature rise : 80 K Duty cycle : S1 Ambient temperature : -20°C to +40°C Altitude : 1000 m.a.s.l. Protection degree : IP55 Cooling method : IC411 - TEFC Mounting : B3L(E) Rotation ¹ : Both (CW and CCW) Noise level ² : 48.0 dB(A) Starting method : Direct On Line Approx. weight ³ : 6.8 kg																		
Output	25% 50% 75% 100%																		
Efficiency (%)	61.0 63.0 67.0 69.0																		
Power Factor	0.22 0.42 0.54 0.64																		
Foundation loads																			
Max. traction : 10 kgf																			
Max. compression : 17 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 style="text-align: center;">6201 ZZ</td> <td style="text-align: center;">6201 ZZ</td> </tr> <tr> <td>Sealing :</td> <td style="text-align: center;">Oil Seal</td> <td style="text-align: center;">Oil Seal</td> </tr> <tr> <td>Lubrication interval :</td> <td style="text-align: center;">-</td> <td style="text-align: center;">-</td> </tr> <tr> <td>Lubricant amount :</td> <td style="text-align: center;">-</td> <td style="text-align: center;">-</td> </tr> <tr> <td>Lubricant type :</td> <td colspan="2" style="text-align: center;">Mobil Polyrex EM</td> </tr> </table>		<u>Drive end</u>	<u>Non drive end</u>	Bearing type :	6201 ZZ	6201 ZZ	Sealing :	Oil Seal	Oil Seal	Lubrication interval :	-	-	Lubricant amount :	-	-	Lubricant type :	Mobil Polyrex EM	
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This revision replaces and cancel the previous one, which must be eliminated. (1) Looking the motor from the shaft end. (2) Measured at 1m and with tolerance of +3dB(A). (3) Approximate weight subject to changes after manufacturing process. (4) At 100% of full load.																			
These are average values based on tests with sinusoidal power supply, subject to the tolerances stipulated in NEMA MG-1.																			
Rev.	Changes Summary	Performed	Checked	Date															
Performed by																			
Checked by			Page	Revision															
Date	12/01/2022		1 / 1																