

# DATA SHEET



## Single Phase Induction Motor - Squirrel Cage

Customer :																			
Product line : ROLLED STEEL		Product code : 14360133 Catalog # : .2536OT1B48-S																	
Frame : 48 Output : 0.25 HP (0.18 kW) Poles : 2 Frequency : 60 Hz Rated voltage : 115/208-230 V Rated current : 2.50/1.38-1.25 A L. R. Amperes : 22.0/12.1-11.0 A LRC : 8.8x(Code M) No load current : 1.00/0.431-0.500 A Rated speed : 3510 rpm Slip : 2.50 % Rated torque : 0.052 kgfm Locked rotor torque : 280 % Breakdown torque : 310 % Insulation class : F Service factor : 1.35 Moment of inertia (J) : 0.0009 kgm <sup>2</sup> Design : N		Locked rotor time : 32s (cold) 18s (hot) Temperature rise : 80 K Duty cycle : Cont.(S1) Ambient temperature : -20°C to +40°C Altitude : 1000 m.a.s.l. Cooling method : IC01 - ODP Mounting : F-1 Rotation <sup>1</sup> : Both (CW and CCW) Noise level <sup>2</sup> : 56.0 dB(A) Starting method : Direct On Line Approx. weight <sup>3</sup> : 7.8 kg																	
<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td>Output</td> <td>25%</td> <td>50%</td> <td>75%</td> <td>100%</td> </tr> <tr> <td>Efficiency (%)</td> <td>45.4</td> <td>50.0</td> <td>59.0</td> <td>66.6</td> </tr> <tr> <td>Power Factor</td> <td>0.64</td> <td>0.91</td> <td>0.93</td> <td>0.94</td> </tr> </table>		Output	25%	50%	75%	100%	Efficiency (%)	45.4	50.0	59.0	66.6	Power Factor	0.64	0.91	0.93	0.94	Foundation loads Max. traction : 2 kgf Max. compression : 9 kgf		
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Bearing type : Sealing : Lubrication interval : Lubricant amount : Lubricant type :		<u>Drive end</u> 6203 ZZ Without Bearing Seal - - Mobil Polyrex EM		<u>Non drive end</u> 6202 ZZ Without Bearing Seal - -															
Notes																			
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		02/01/2023		1 / 1															