

DATA SHEET



Single Phase Induction Motor - Squirrel Cage

Customer :																						
Product line : Rolled Steel Single-Phase			Product code : 14201788																			
			Catalog # : 002180T1BO56Z-S																			
Frame : 56HZ Output : 2 HP (1.5 kW) Poles : 4 Frequency : 60 Hz Rated voltage : 115/208-230 V Rated current : 17.7/9.50-8.87 A L. R. Amperes : 115/61.7-57.7 A LRC : 6.5x(Code H) No load current : 6.20/2.67-3.10 A Rated speed : 1730 rpm Slip : 3.89 % Rated torque : 6.07 ft.lb Locked rotor torque : 290 % Breakdown torque : 225 % Insulation class : F Service factor : 1.15 Moment of inertia (J) : 0.1614 sq.ft.lb Design : L			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 ¹ : CCW Noise level ² : 52.0 dB(A) Starting method : Direct On Line Approx. weight ³ : 52.1 lb																			
<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>82.2</td> <td>83.0</td> <td>84.0</td> <td>84.5</td> </tr> <tr> <td>Power Factor</td> <td>0.49</td> <td>0.75</td> <td>0.83</td> <td>0.87</td> </tr> </table>			Output	25%	50%	75%	100%	Efficiency (%)	82.2	83.0	84.0	84.5	Power Factor	0.49	0.75	0.83	0.87	Foundation loads Max. traction : 108 lb Max. compression : 160 lb				
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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				Page 1 / 1 Revision																		
Checked by																						
Date		31/07/2023																				