

DATA SHEET



Single Phase Induction Motor - Squirrel Cage

Customer :																			
Product line : ROLLED STEEL		Product code : 13052798																	
		Catalog # : 00136OT1B56-S																	
Frame : 56 Output : 1 HP (0.75 kW) Poles : 2 Frequency : 60 Hz Rated voltage : 115/208-230 V Rated current : 8.60/4.75-4.30 A L. R. Amperes : 72.2/39.9-36.1 A LRC : 8.4x(Code K) No load current : 2.60/1.12-1.30 A Rated speed : 3510 rpm Slip : 2.50 % Rated torque : 1.50 ft.lb Locked rotor torque : 290 % Breakdown torque : 300 % Insulation class : F Service factor : 1.25 Moment of inertia (J) : 0.0551 sq.ft.lb Design : A		Locked rotor time : 28s (cold) 16s (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 : Both (CW and CCW) Noise level ² : 58.0 dB(A) Starting method : Direct On Line Approx. weight ³ : 29.9 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>65.5</td> <td>69.0</td> <td>76.0</td> <td>80.4</td> </tr> <tr> <td>Power Factor</td> <td>0.64</td> <td>0.89</td> <td>0.93</td> <td>0.94</td> </tr> </table>		Output	25%	50%	75%	100%	Efficiency (%)	65.5	69.0	76.0	80.4	Power Factor	0.64	0.89	0.93	0.94	Foundation loads Max. traction : 29 lb Max. compression : 59 lb		
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Lubrication interval : - Lubricant amount : - Lubricant type : Mobil Polyrex EM																			
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 Date : 26/03/2023		Page : 1 / 1 Revision																	