

DATA SHEET



Single Phase Induction Motor - Squirrel Cage

Customer :																			
Product line	: Rolled Steel Fan and Exhaust Single-Phase Split Phase																		
Product code :	13545645																		
Catalog # :	.5018OS1BSPRBOW56-S																		
Frame : W56 Output : 0.5 HP (0.37 kW) Poles : 4 Frequency : 60 Hz Rated voltage : 115/208-230 V Rated current : 7.24/3.80-3.62 A L. R. Amperes : 47.1/24.7-23.5 A LRC : 6.5x(Code M) No load current : 5.80/2.50-2.90 A Rated speed : 1715 rpm Slip : 4.72 % Rated torque : 1.53 ft.lb Locked rotor torque : 130 % Breakdown torque : 220 % Insulation class : F Service factor : 1.25 Design : N	Locked rotor time : 10s (cold) 6s (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) Starting method : Direct On Line Approx. weight ³ : 24.9 lb																		
Output	25% 50% 75% 100%																		
Efficiency (%)	49.3 52.0 60.0 63.5																		
Power Factor	0.28 0.50 0.60 0.70																		
Foundation loads																			
Max. traction	: 20 lb																		
Max. compression	: 45 lb																		
	<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;">6203 ZZ</td> <td style="text-align: center;">6202 ZZ</td> </tr> <tr> <td>Sealing :</td> <td style="text-align: center;">Without Bearing Seal</td> <td style="text-align: center;">Without Bearing 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 :	6203 ZZ	6202 ZZ	Sealing :	Without Bearing Seal	Without Bearing 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	29/04/2024		1 / 1																