

DATA SHEET



Single Phase Induction Motor - Squirrel Cage

Customer :																			
Product line	: Rolled Steel Fan and Exhaust Single-Phase Split Phase																		
Product code :	14275153																		
Catalog # :	.2518OS1BSPO48-S																		
Frame : 48 Output : 0.25 HP (0.18 kW) Poles : 4 Frequency : 60 Hz Rated voltage : 115/208-230 V Rated current : 4.24/2.20-2.12 A L. R. Amperes : 25.4/13.2-12.7 A LRC : 6.0x(Code N) No load current : 4.00/1.72-2.00 A Rated speed : 1710 rpm Slip : 5.00 % Rated torque : 0.768 ft.lb Locked rotor torque : 150 % Breakdown torque : 220 % Insulation class : F Service factor : 1.35 Design : N	Locked rotor time : 0s (cold) 0s (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 : 12.3 lb																		
Output	25% 50% 75% 100%																		
Efficiency (%)	39.3 42.0 51.0 55.0																		
Power Factor	0.27 0.49 0.59 0.67																		
Foundation loads																			
Max. traction	: 12 lb																		
Max. compression	: 25 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>: 6203 ZZ</td> <td>6202 ZZ</td> </tr> <tr> <td>Sealing</td> <td>: Without Bearing Seal</td> <td>Without Bearing Seal</td> </tr> <tr> <td>Lubrication interval</td> <td>: -</td> <td>-</td> </tr> <tr> <td>Lubricant amount</td> <td>: -</td> <td>-</td> </tr> <tr> <td>Lubricant type</td> <td colspan="2">: 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																