

DATA SHEET

Single Phase Induction Motor - Squirrel Cage



Customer :																							
Product line		: Fan and Exhaust Single-Phase		Product code :	12249623																		
				Catalog # :	.5018OS1AEC56																		
Frame : E56 Output : 0.37 kW (0.5 HP) Poles : 4 Frequency : 60 Hz Rated voltage : 115 V Rated current : 8.20 A L. R. Amperes : 54.9 A LRC : 6.7x(Code P) No load current : 7.50 A Rated speed : 1725 rpm Slip : 4.17 % Rated torque : 1.51 ft.lb Locked rotor torque : 130 % Breakdown torque : 260 % Insulation class : B Service factor : 1.00 Moment of inertia (J)			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. Protection degree : IP21 Cooling method : IC01 - ODP Mounting : F-1 Rotation ¹ : CW Starting method : Direct On Line Approx. weight ³ : 19.3 lb																				
Output	25%	50%	75%	100%	Foundation loads																		
Efficiency (%)	39.5	42.4	51.2	55.5	Max. traction																		
Power Factor	0.26	0.45	0.55	0.64	Max. compression																		
<table border="0" style="width: 100%;"> <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;">6201 ZZ</td> <td style="text-align: center;">6201 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 :	6201 ZZ	6201 ZZ	Sealing :	Without Bearing Seal	Without Bearing Seal	Lubrication interval :	-	-	Lubricant amount :	-	-	Lubricant type :	Mobil Polyrex EM	
	<u>Drive end</u>	<u>Non drive end</u>																					
Bearing type :	6201 ZZ	6201 ZZ																					
Sealing :	Without Bearing Seal	Without Bearing Seal																					
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																		
Performed by																							
Checked by				Page	Revision																		
Date	27/01/2018			1 / 2																			

DATA SHEET

Single Phase Induction Motor - Squirrel Cage



Customer : _____

Thermal protection

ID	Application	Type	Quantity	Sensing Temperature
1	Winding	Thermostat - 2 wires	1 x Phase	130 °C

Rev.	Changes Summary		Performed	Checked	Date
Performed by				Page	Revision
Checked by				2 / 2	
Date	27/01/2018				