

DATA SHEET

Single Phase Induction Motor - Squirrel Cage



Customer :																
Product line : General Single-Phase		Product code : Catalog # :		10342243 .3318ES1BB56C												
Frame	: B56C	Locked rotor time	: 10s (cold) 6s (hot)													
Output	: 0.33 HP (0.25 kW)	Temperature rise	: 80 K													
Poles	: 4	Duty cycle	: Cont.(S1)													
Frequency	: 60 Hz	Ambient temperature	: -20°C to +40°C													
Rated voltage	: 115/208-230 V	Altitude	: 1000 m.a.s.l.													
Rated current	: 5.60/2.70-2.80 A	Protection degree	: IP55													
L. R. Amperes	: 32.5/15.7-16.2 A	Cooling method	: IC411 - TEFC													
LRC	: 5.8x(Code N)	Mounting	: F-1													
No load current	: 4.60/1.98-2.30 A	Rotation ¹	: Both (CW and CCW)													
Rated speed	: 1750 rpm	Noise level ²	: 55.0 dB(A)													
Slip	: 2.78 %	Starting method	: Direct On Line													
Rated torque	: 0.990 ft.lb	Approx. weight ³	: 23.6 lb													
Locked rotor torque	: 340 %															
Breakdown torque	: 280 %															
Insulation class	: B															
Service factor	: 1.15															
Moment of inertia (J)	: 0.0624 sq.ft.lb															
Output	25%	50%	75%	100%												
Efficiency (%)	46.6	49.0	58.0	61.0												
Power Factor	0.24	0.44	0.53	0.62												
		<table border="0"> <tr> <td><u>Drive end</u></td> <td><u>Non drive end</u></td> </tr> <tr> <td>Bearing type : 6203 ZZ</td> <td>6202 ZZ</td> </tr> <tr> <td>Sealing : V'Ring</td> <td>V'Ring</td> </tr> <tr> <td>Lubrication interval : -</td> <td>-</td> </tr> <tr> <td>Lubricant amount : -</td> <td>-</td> </tr> <tr> <td>Lubricant type : Mobil Polyrex EM</td> <td></td> </tr> </table>			<u>Drive end</u>	<u>Non drive end</u>	Bearing type : 6203 ZZ	6202 ZZ	Sealing : V'Ring	V'Ring	Lubrication interval : -	-	Lubricant amount : -	-	Lubricant type : Mobil Polyrex EM	
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<p>This revision replaces and cancel the previous one, which must be eliminated.</p> <p>(1) Looking the motor from the shaft end.</p> <p>(2) Measured at 1m and with tolerance of +3dB(A).</p> <p>(3) Approximate weight subject to changes after manufacturing process.</p> <p>(4) At 100% of full load.</p>		<p>These are average values based on tests with sinusoidal power supply, subject to the tolerances stipulated in NEMA MG-1.</p>														

Rev.	Changes Summary	Performed	Checked	Date
Performed by				
Checked by				
Date	25/03/2024		Page 1 / 1	Revision