

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :																							
Product line		Rolled Steel Premium Efficiency Three-Phase	Product code :	13548244																			
			Catalog # :	00136ET3EW56-S																			
Frame	: W56	Locked rotor time	: 18s (cold) 10s (hot)																				
Output	: 1 HP (0.75 kW)	Temperature rise	: 80 K																				
Poles	: 2	Duty cycle	: Cont.(S1)																				
Frequency	: 60 Hz	Ambient temperature	: -20°C to +40°C																				
Rated voltage	: 230/460 V	Altitude	: 1000 m.a.s.l.																				
Rated current	: 3.00/1.50 A	Protection degree	: IP55																				
L. R. Amperes	: 26.4/13.2 A	Cooling method	: IC411 - TEFC																				
LRC	: 8.8x(Code M)	Mounting	: F-1																				
No load current	: 1.60/0.798 A	Rotation ¹	: Both (CW and CCW)																				
Rated speed	: 3435 rpm	Noise level ²	: 65.0 dB(A)																				
Slip	: 4.58 %	Starting method	: Direct On Line																				
Rated torque	: 1.53 ft.lb	Approx. weight ³	: 21.5 lb																				
Locked rotor torque	: 360 %																						
Breakdown torque	: 380 %																						
Insulation class	: F																						
Service factor	: 1.15																						
Moment of inertia (J)	: 0.0254 sq.ft.lb																						
Output	25%	50%	75%	100%																			
Efficiency (%)	72.4	78.4	74.0	77.8																			
	75.2	75.9	78.9	79.0																			
Power Factor	0.38	0.43	0.63	0.70																			
	0.35	0.61	0.74	0.80																			
<table> <tr> <td></td><td style="text-align: center;">Drive end</td><td style="text-align: center;">Non drive end</td></tr> <tr> <td>Bearing type</td><td>: 6203 ZZ</td><td>: 6202 ZZ</td></tr> <tr> <td>Sealing</td><td>: V'Ring</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="3" rowspan="2">Mobil Polyrex EM</td></tr> </table>						Drive end	Non drive end	Bearing type	: 6203 ZZ	: 6202 ZZ	Sealing	: V'Ring	Without Bearing Seal	Lubrication interval	: -	-	Lubricant amount	: -	-	Lubricant type	Mobil Polyrex EM		
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Notes:																							
<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					Page	Revision																	
Checked by																							
Date	27/03/2024				1 / 1																		