

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :																					
Product line	: Rolled Steel NEMA Premium Efficiency Three-Phase	Product code :	12682577																		
		Catalog # :	00236OT3H145T-S																		
Frame	: 143/5T	Locked rotor time	: 25s (cold) 14s (hot)																		
Output	: 2 HP (1.5 kW)	Temperature rise	: 80 K																		
Poles	: 2	Duty cycle	: Cont.(S1)																		
Frequency	: 60 Hz	Ambient temperature	: -20°C to +40°C																		
Rated voltage	: 575 V	Altitude	: 1000 m.a.s.l.																		
Rated current	: 1.94 A	Cooling method	: IC01 - ODP																		
L. R. Amperes	: 17.2 A	Mounting	: F-1																		
LRC	: 8.9x(Code K)	Rotation ¹	: Both (CW and CCW)																		
No load current	: 0.734 A	Noise level ²	: 62.0 dB(A)																		
Rated speed	: 3510 rpm	Starting method	: Direct On Line																		
Slip	: 2.50 %	Approx. weight ³	: 36.2 lb																		
Rated torque	: 2.99 ft.lb																				
Locked rotor torque	: 220 %																				
Breakdown torque	: 330 %																				
Insulation class	: F																				
Service factor	: 1.15																				
Moment of inertia (J)	: 0.1151 sq.ft.lb																				
Design	: B																				
Output	50%	75%	100%																		
Efficiency (%)	84.0	85.5	85.5																		
Power Factor	0.77	0.86	0.91																		
Foundation loads																					
		Max. traction	: 68 lb																		
		Max. compression	: 104 lb																		
<table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 33%;"></th> <th style="width: 33%; text-align: center;">Drive end</th> <th style="width: 33%; text-align: center;">Non drive end</th> </tr> </thead> <tbody> <tr> <td>Bearing type</td> <td>: 6205 ZZ</td> <td>: 6203 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" rowspan="2">Mobil Polyrex EM</td></tr> </tbody> </table>					Drive end	Non drive end	Bearing type	: 6205 ZZ	: 6203 ZZ	Sealing	: Without Bearing Seal	: 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					
Checked by					
Date	26/03/2024			Page	Revision
				1 / 1	