

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :																						
Product line		: Rolled Steel NEMA Premium Efficiency Three-Phase		Product code : 12674795																		
				Catalog # : 00218OT3P145T-S																		
Frame	: 143/5T	Locked rotor time	: 30s (cold) 17s (hot)																			
Output	: 2 HP (1.5 kW)	Temperature rise	: 80 K																			
Poles	: 4	Duty cycle	: Cont.(S1)																			
Frequency	: 60 Hz	Ambient temperature	: -20°C to +40°C																			
Rated voltage	: 200 V	Altitude	: 1000 m.a.s.l.																			
Rated current	: 6.19 A	Cooling method	: IC01 - ODP																			
L. R. Amperes	: 47.6 A	Mounting	: F-1																			
LRC	: 7.7x(Code K)	Rotation ¹	: Both (CW and CCW)																			
No load current	: 3.16 A	Noise level ²	: 52.0 dB(A)																			
Rated speed	: 1740 rpm	Starting method	: Direct On Line																			
Slip	: 3.33 %	Approx. weight ³	: 39.9 lb																			
Rated torque	: 6.04 ft.lb																					
Locked rotor torque	: 260 %																					
Breakdown torque	: 320 %																					
Insulation class	: F																					
Service factor	: 1.15																					
Moment of inertia (J)	: 0.1168 sq.ft.lb																					
Design	: B																					
Output	25%	50%	75%	100%																		
Efficiency (%)	85.2	85.5	86.5	86.5																		
Power Factor	0.36	0.61	0.74	0.81																		
Foundation loads																						
		Max. traction	: 148 lb																			
		Max. compression	: 188 lb																			
<table border="0"> <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>: 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="3">: Mobil Polyrex EM</td></tr> </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>																						
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																						
Date	27/03/2024			Page 1 / 1 Revision																		