

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :																					
Product line	: Rolled Steel NEMA Premium Efficiency Three-Phase	Product code :	12750578																		
		Catalog # :	00736OT3H184T-S																		
Frame	: 182/4T	Locked rotor time	: 21s (cold) 12s (hot)																		
Output	: 7.5 HP (5.5 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	: 7.18 A	Cooling method	: IC01 - ODP																		
L. R. Amperes	: 53.1 A	Mounting	: F-1																		
LRC	: 7.4x(Code H)	Rotation ¹	: Both (CW and CCW)																		
No load current	: 3.12 A	Noise level ²	: 65.0 dB(A)																		
Rated speed	: 3500 rpm	Starting method	: Direct On Line																		
Slip	: 2.78 %	Approx. weight ³	: 69.8 lb																		
Rated torque	: 11.3 ft.lb																				
Locked rotor torque	: 200 %																				
Breakdown torque	: 300 %																				
Insulation class	: F																				
Service factor	: 1.15																				
Moment of inertia (J)	: 0.1818 sq.ft.lb																				
Design	: B																				
Output	50%	75%	100%																		
Efficiency (%)	88.5	88.5	88.5																		
Power Factor	0.72	0.82	0.87																		
Foundation loads																					
		Max. traction	: 181 lb																		
		Max. compression	: 250 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>: 6206 ZZ</td> <td>: 6205 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	: 6206 ZZ	: 6205 ZZ	Sealing	: Without Bearing Seal	: Without Bearing Seal	Lubrication interval	: -	: -	Lubricant amount	: -	: -	Lubricant type	Mobil Polyrex EM	
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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	Date																
Performed by				Page	Revision																
Checked by																					
Date	27/03/2024			1 / 1																	