

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :																							
Product line	: Rolled Steel NEMA Premium Efficiency Three-Phase		Product code :	12939083																			
			Catalog # :	00518ET3H184T-SRT																			
Frame	: 182/4T	Locked rotor time	: 28s (cold) 16s (hot)																				
Output	: 5 HP (3.7 kW)	Temperature rise	: 80 K																				
Poles	: 4	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	: 5.19 A	Protection degree	: IP55																				
L. R. Amperes	: 36.3 A	Cooling method	: IC411 - TEFC																				
LRC	: 7.0x(Code J)	Mounting	: F-1																				
No load current	: 2.75 A	Rotation ¹	: Both (CW and CCW)																				
Rated speed	: 1750 rpm	Noise level ²	: 56.0 dB(A)																				
Slip	: 2.78 %	Starting method	: Direct On Line																				
Rated torque	: 15.0 ft.lb	Approx. weight ³	: 72.9 lb																				
Locked rotor torque	: 220 %																						
Breakdown torque	: 300 %																						
Insulation class	: F																						
Service factor	: 1.15																						
Moment of inertia (J)	: 0.3080 sq.ft.lb																						
Design	: B																						
Output	25%	50%	75%	100%																			
Efficiency (%)	88.2	88.5	89.5	89.5																			
Power Factor	0.35	0.60	0.73	0.80																			
<table border="0"> <tr> <td></td><td style="text-align: center;"><u>Drive end</u></td><td style="text-align: center;"><u>Non drive end</u></td></tr> <tr> <td>Bearing type</td><td>: 6206 ZZ</td><td>: 6205 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="4" style="text-align: center;">Mobil Polyrex EM</td></tr> </table>						<u>Drive end</u>	<u>Non drive end</u>	Bearing type	: 6206 ZZ	: 6205 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 1 / 1	Revision
Checked by				
Date	27/03/2024			