

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :															
Product line	: Rolled Steel NEMA Premium Efficiency Three-Phase	Product code :	12845469												
		Catalog # :	00736ET3H213TC-S												
Frame	: 213/5TC	Locked rotor time	: 27s (cold) 15s (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	: 6.94 A	Protection degree	: IP55												
L. R. Amperes	: 52.7 A	Cooling method	: IC411 - TEFC												
LRC	: 7.6x(Code H)	Mounting	: F-1												
No load current	: 2.65 A	Rotation ¹	: Both (CW and CCW)												
Rated speed	: 3530 rpm	Noise level ²	: 70.0 dB(A)												
Slip	: 1.94 %	Starting method	: Direct On Line												
Rated torque	: 11.2 ft.lb	Approx. weight ³	: 134 lb												
Locked rotor torque	: 260 %														
Breakdown torque	: 300 %														
Insulation class	: F														
Service factor	: 1.15														
Moment of inertia (J)	: 0.5496 sq.ft.lb														
Design	: B														
Output	50%	75%	100%												
Efficiency (%)	87.5	88.5	89.5												
Power Factor	0.76	0.85	0.89												
Foundation loads															
		Max. traction	: 122 lb												
		Max. compression	: 255 lb												
<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 33%; text-align: center; padding-bottom: 5px;">Drive end</td> <td style="width: 33%; text-align: center; padding-bottom: 5px;">Non drive end</td> </tr> <tr> <td>Bearing type : 6208 ZZ</td> <td>6206 ZZ</td> </tr> <tr> <td>Sealing : V'Ring</td> <td>Without Bearing Seal</td> </tr> <tr> <td>Lubrication interval : -</td> <td>-</td> </tr> <tr> <td>Lubricant amount : -</td> <td>-</td> </tr> <tr> <td>Lubricant type : Mobil Polyrex EM</td> <td></td> </tr> </table>				Drive end	Non drive end	Bearing type : 6208 ZZ	6206 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											