

# DATA SHEET

## Three Phase Induction Motor - Squirrel Cage



Customer :																		
Product line	: Rolled Steel NEMA Premium Efficiency Three-Phase	Product code :	12845570															
		Catalog # :	01518ET3H254TC-S															
Frame	: 254/6TC	Locked rotor time	: 34s (cold) 19s (hot)															
Output	: 15 HP (11 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	: 14.6 A	Protection degree	: IP55															
L. R. Amperes	: 94.6 A	Cooling method	: IC411 - TEFC															
LRC	: 6.5x(Code G)	Mounting	: F-1															
No load current	: 6.92 A	Rotation <sup>1</sup>	: Both (CW and CCW)															
Rated speed	: 1770 rpm	Noise level <sup>2</sup>	: 68.0 dB(A)															
Slip	: 1.67 %	Starting method	: Direct On Line															
Rated torque	: 44.5 ft.lb	Approx. weight <sup>3</sup>	: 226 lb															
Locked rotor torque	: 250 %																	
Breakdown torque	: 300 %																	
Insulation class	: F																	
Service factor	: 1.15																	
Moment of inertia (J)	: 2.15 sq.ft.lb																	
Design	: B																	
Output	50%	75%	100%															
Efficiency (%)	91.0	92.4	92.4															
Power Factor	0.64	0.76	0.82															
Foundation loads																		
		Max. traction	: 527 lb															
		Max. compression	: 753 lb															
<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 33%; text-align: center; vertical-align: top;">           Bearing type : 6309 Z C3         </td> <td style="width: 33%; text-align: center; vertical-align: top;">           Drive end 6208 Z C3         </td> <td style="width: 33%; text-align: center; vertical-align: top;">           Non drive end 6208 Z C3         </td> </tr> <tr> <td>Sealing : V'Ring</td> <td></td> <td>Without Bearing Seal</td> </tr> <tr> <td>Lubrication interval : 20000 h</td> <td></td> <td>20000 h</td> </tr> <tr> <td>Lubricant amount : 13 g</td> <td></td> <td>8 g</td> </tr> <tr> <td>Lubricant type : Mobil Polyrex EM</td> <td></td> <td></td> </tr> </table>				Bearing type : 6309 Z C3	Drive end 6208 Z C3	Non drive end 6208 Z C3	Sealing : V'Ring		Without Bearing Seal	Lubrication interval : 20000 h		20000 h	Lubricant amount : 13 g		8 g	Lubricant type : Mobil Polyrex EM		
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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																		
Checked by				Page	Revision													
Date	26/03/2024			1 / 1														