

# DATA SHEET

## Three Phase Induction Motor - Squirrel Cage



Customer :																						
Product line	: Rolled Steel NEMA Premium Efficiency Three-Phase	Product code :	12706983																			
		Catalog # :	02036OT3H254TC-S																			
Frame	: 254/6TC	Locked rotor time	: 23s (cold) 13s (hot)																			
Output	: 20 HP (15 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	: 19.0 A	Cooling method	: IC01 - ODP																			
L. R. Amperes	: 114 A	Mounting	: F-1																			
LRC	: 6.0x(Code G)	Rotation <sup>1</sup>	: Both (CW and CCW)																			
No load current	: 6.80 A	Noise level <sup>2</sup>	: 70.0 dB(A)																			
Rated speed	: 3525 rpm	Starting method	: Direct On Line																			
Slip	: 2.08 %	Approx. weight <sup>3</sup>	: 183 lb																			
Rated torque	: 29.8 ft.lb																					
Locked rotor torque	: 180 %																					
Breakdown torque	: 240 %																					
Insulation class	: F																					
Service factor	: 1.15																					
Moment of inertia (J)	: 0.7848 sq.ft.lb																					
Design	: B																					
Output	50%	75%	100%																			
Efficiency (%)	90.2	91.0	91.0																			
Power Factor	0.76	0.83	0.87																			
Foundation loads																						
		Max. traction	: 251 lb																			
		Max. compression	: 434 lb																			
<table> <tr> <td></td><td>Drive end</td><td>Non drive end</td></tr> <tr> <td>Bearing type</td><td>: 6309 Z C3</td><td>6208 Z C3</td></tr> <tr> <td>Sealing</td><td>: Without Bearing Seal</td><td>Without Bearing Seal</td></tr> <tr> <td>Lubrication interval</td><td>: 20000 h</td><td>20000 h</td></tr> <tr> <td>Lubricant amount</td><td>: 13 g</td><td>8 g</td></tr> <tr> <td>Lubricant type</td><td colspan="3" rowspan="3">Mobil Polyrex EM</td></tr> </table>					Drive end	Non drive end	Bearing type	: 6309 Z C3	6208 Z C3	Sealing	: Without Bearing Seal	Without Bearing Seal	Lubrication interval	: 20000 h	20000 h	Lubricant amount	: 13 g	8 g	Lubricant type	Mobil Polyrex EM		
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<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	Date																		
Performed by																						
Checked by				Page      Revision																		
Date	27/03/2024			1 / 1																		