

# DATA SHEET



## Three Phase Induction Motor - Squirrel Cage

Customer :					
Product line		: Rolled Steel NEMA Premium Efficiency Three-Phase		Product code : 12727233	
				Catalog # : 01518OT3H254T-S	
Frame	: 254/6T		Locked rotor time	: 30s (cold) 17s (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	: 14.9 A		Cooling method	: IC01 - ODP	
L. R. Amperes	: 100 A		Mounting	: F-1	
LRC	: 6.7x(Code H)		Rotation <sup>1</sup>	: Both (CW and CCW)	
No load current	: 7.60 A		Noise level <sup>2</sup>	: 64.0 dB(A)	
Rated speed	: 1775 rpm		Starting method	: Direct On Line	
Slip	: 1.39 %		Approx. weight <sup>3</sup>	: 188 lb	
Rated torque	: 44.4 ft.lb				
Locked rotor torque	: 240 %				
Breakdown torque	: 300 %				
Insulation class	: F				
Service factor	: 1.15				
Moment of inertia (J)	: 1.82 sq.ft.lb				
Design	: B				
Output	50%	75%	100%	Foundation loads	
Efficiency (%)	91.7	92.4	93.0	Max. traction : 544 lb	
Power Factor	0.62	0.73	0.80	Max. compression : 733 lb	
		<u>Drive end</u>	<u>Non drive end</u>		
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			
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>		
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Checked by				Page	Revision
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