

# DATA SHEET

## Three Phase Induction Motor - Squirrel Cage



Customer :									
Product line	: Rolled Steel NEMA Premium Efficiency Three-Phase		Product code :	14122242					
			Catalog # :	01536ET3H254TC-S					
Frame	: 254/6TC	Locked rotor time	: 25s (cold) 14s (hot)						
Output	: 15 HP (11 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	: 13.9 A	Protection degree	: IP55						
L. R. Amperes	: 94.7 A	Cooling method	: IC411 - TEFC						
LRC	: 6.8x(Code G)	Mounting	: W-6						
No load current	: 5.20 A	Rotation <sup>1</sup>	: Both (CW and CCW)						
Rated speed	: 3525 rpm	Noise level <sup>2</sup>	: 75.0 dB(A)						
Slip	: 2.08 %	Starting method	: Direct On Line						
Rated torque	: 22.3 ft.lb	Approx. weight <sup>3</sup>	: 200 lb						
Locked rotor torque	: 200 %								
Breakdown torque	: 300 %								
Insulation class	: F								
Service factor	: 1.15								
Moment of inertia (J)	: 0.8718 sq.ft.lb								
Design	: B								
Output	25%	50%	75%	100%					
Efficiency (%)	89.2	89.5	91.0	91.0					
Power Factor	0.47	0.73	0.83	0.87					
Foundation loads									
	Max. traction		: 221 lb						
	Max. compression		: 421 lb						
Drive end									
Bearing type	: 6309 Z C3	Non drive end							
Sealing	: V'Ring	6208 Z C3							
Lubrication interval	: 7898 h	V'Ring							
Lubricant amount	: 13 g	10211 h							
Lubricant type	: Mobil Polyrex EM	8 g							
Notes:									
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.									
Rev.	Changes Summary			Performed					
				Checked					
Performed by									
Checked by									
Date	26/03/2024								
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