

# DATA SHEET

## Three Phase Induction Motor - Squirrel Cage



Customer :					
Product line	: Rolled Steel NEMA Premium Efficiency Three-Phase	Product code :	12636594		
		Catalog # :	01518ET3E254TC-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	: 230/460 V	Altitude	: 1000 m.a.s.l.		
Rated current	: 36.4/18.2 A	Protection degree	: IP55		
L. R. Amperes	: 237/118 A	Cooling method	: IC411 - TEFC		
LRC	: 6.5x(Code G)	Mounting	: F-1		
No load current	: 17.3/8.65 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>	: 241 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 91.5	92.4 91.2	92.4 89.9		
	90.9	91.4	90.7		
Power Factor	0.64 0.71	0.76 0.81	0.82 0.85		
	0.64	0.76	0.82		
Bearing type		Drive end	Non drive end		
Sealing		6309 Z C3	6208 Z C3		
Lubrication interval		V'Ring	Without Bearing Seal		
Lubricant amount		20000 h	20000 h		
Lubricant type		13 g	8 g		
Notes:					
This revision replaces and cancel the previous one, which must be eliminated.		These are average values based on tests with sinusoidal power supply, subject to the tolerances stipulated in NEMA MG-1.			
(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	Date
Performed by					
Checked by				Page	Revision
Date	26/03/2024			1 / 1	