

# DATA SHEET

## Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : Rolled Steel NEMA Premium Efficiency  
Three-Phase

Product code : 15345245

Catalog # : 01518OT3E254T-SGH

Frame : 254/6T  
Output : 15 HP (11 kW)  
Poles : 4  
Frequency : 60 Hz  
Rated voltage : 230/460 V  
Rated current : 37.2/18.6 A  
L. R. Amperes : 249/125 A  
LRC : 6.7x(Code H)  
No load current : 19.0/9.50 A  
Rated speed : 1775 rpm  
Slip : 1.39 %  
Rated torque : 44.4 ft.lb  
Locked rotor torque : 240 %  
Breakdown torque : 300 %  
Insulation class : H  
Service factor : 1.15  
Moment of inertia (J) : 1.82 sq.ft.lb  
Design : B

Locked rotor time : 30s (cold) 17s (hot)  
Temperature rise : 80 K  
Duty cycle : Cont.(S1)  
Ambient temperature : -20°C to +40°C  
Altitude : 1000 m.a.s.l.  
Cooling method : IC01 - ODP  
Mounting : F-1  
Rotation<sup>1</sup> : Both (CW and CCW)  
Noise level<sup>2</sup> : 64.0 dB(A)  
Starting method : Direct On Line  
Approx. weight<sup>3</sup> : 190 lb

Output	25%		50%		75%		100%	
Efficiency (%)	91.0	92.3	91.7	91.3	92.4	91.0	93.0	89.7
	90.6		90.3		90.9		90.3	
Power Factor	0.36	0.45	0.62	0.71	0.73	0.81	0.80	0.85
	0.37		0.62		0.75		0.81	

Foundation loads  
Max. traction : 599 lb  
Max. compression : 789 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:

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		Page 1 / 1		
Checked by				
Date	26/03/2024			
			Revision	