

# DATA SHEET

## Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : Rolled Steel NEMA Premium Efficiency  
Three-Phase

Product code : 15379018

Catalog # : 00318OT3E182T-SGH

Frame : 182/4T  
Output : 3 HP (2.2 kW)  
Poles : 4  
Frequency : 60 Hz  
Rated voltage : 230/460 V  
Rated current : 7.72/3.86 A  
L. R. Amperes : 64.8/32.4 A  
LRC : 8.4x(Code K)  
No load current : 4.14/2.07 A  
Rated speed : 1765 rpm  
Slip : 1.94 %  
Rated torque : 8.93 ft.lb  
Locked rotor torque : 220 %  
Breakdown torque : 330 %  
Insulation class : H  
Service factor : 1.15  
Moment of inertia (J) : 0.3092 sq.ft.lb  
Design : B

Locked rotor time : 27s (cold) 15s (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> : 55.0 dB(A)  
Starting method : Direct On Line  
Approx. weight<sup>3</sup> : 67.5 lb

Output	25%		50%		75%		100%	
Efficiency (%)	86.4	85.6	87.5	86.0	88.5	86.5	89.5	86.7
	87.1		86.8		87.8		87.2	
Power Factor	0.35	0.42	0.60	0.68	0.73	0.79	0.80	0.85
	0.35		0.60		0.73		0.81	

Foundation loads  
Max. traction : 171 lb  
Max. compression : 239 lb

	Drive end	Non drive end
Bearing type :	6206 ZZ	6205 ZZ
Sealing :	Without Bearing Seal	Without Bearing Seal
Lubrication interval :	-	-
Lubricant amount :	-	-
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				
Checked by				
Date	27/03/2024			

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Revision