

# DATA SHEET

## Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : Rolled Steel NEMA Premium Efficiency  
Three-Phase

Product code : 12674731

Catalog # : 00318OT3E182TC-S

Frame : 182/4TC  
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 : F  
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> : 75.0 lb

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

Foundation loads  
Max. traction : 168 lb  
Max. compression : 243 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		Page 1 / 1		
Checked by				
Date	27/03/2024			
		Revision		