

# DATA SHEET

## Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : Rolled Steel Premium Efficiency Three-Phase

Product code : 13373691

Catalog # : 00218OT3E56CFL-S

Frame : 56C  
Output : 2 HP (1.5 kW)  
Poles : 4  
Frequency : 60 Hz  
Rated voltage : 230/460 V  
Rated current : 5.38/2.69 A  
L. R. Amperes : 41.4/20.7 A  
LRC : 7.7x(Code K)  
No load current : 2.75/1.38 A  
Rated speed : 1740 rpm  
Slip : 3.33 %  
Rated torque : 6.04 ft.lb  
Locked rotor torque : 260 %  
Breakdown torque : 320 %  
Insulation class : F  
Service factor : 1.15  
Moment of inertia (J) : 0.1168 sq.ft.lb  
Design : A

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> : 52.0 dB(A)  
Starting method : Direct On Line  
Approx. weight<sup>3</sup> : 36.9 lb

Output	25%		50%		75%		100%	
Efficiency (%)	85.2	88.2	85.5	85.9	86.5	85.0	86.5	82.2
	85.5		84.6		85.2		83.8	
Power Factor	0.36	0.42	0.61	0.69	0.74	0.80	0.81	0.85
	0.35		0.61		0.74		0.81	

Foundation loads  
Max. traction : 184 lb  
Max. compression : 220 lb

	Drive end	Non drive end
Bearing type :	6204 ZZ	6202 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