

# DATA SHEET

## Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : Rolled Steel Premium Efficiency Three-Phase

Product code : 13484365

Catalog # : 00336ET3E56CFL-S

Frame : 56C  
Output : 3 HP (2.2 kW)  
Poles : 2  
Frequency : 60 Hz  
Rated voltage : 230/460 V  
Rated current : 7.34/3.67 A  
L. R. Amperes : 68.3/34.1 A  
LRC : 9.3x(Code L)  
No load current : 3.20/1.60 A  
Rated speed : 3505 rpm  
Slip : 2.64 %  
Rated torque : 4.49 ft.lb  
Locked rotor torque : 280 %  
Breakdown torque : 380 %  
Insulation class : F  
Service factor : 1.15  
Moment of inertia (J) : 0.1663 sq.ft.lb  
Design : B

Locked rotor time : 18s (cold) 10s (hot)  
Temperature rise : 80 K  
Duty cycle : Cont.(S1)  
Ambient temperature : -20°C to +40°C  
Altitude : 1000 m.a.s.l.  
Protection degree : IP55  
Cooling method : IC411 - TEFC  
Mounting : F-1  
Rotation<sup>1</sup> : Both (CW and CCW)  
Noise level<sup>2</sup> : 68.0 dB(A)  
Starting method : Direct On Line  
Approx. weight<sup>3</sup> : 45.1 lb

Output	25%		50%		75%		100%	
Efficiency (%)	78.7	80.3	81.0	82.0	84.0	83.0	86.5	84.6
	80.0		82.0		84.0		86.0	
Power Factor	0.45	0.53	0.71	0.76	0.82	0.85	0.87	0.89
	0.47		0.70		0.81		0.87	

Foundation loads  
Max. traction : 154 lb  
Max. compression : 199 lb

		<u>Drive end</u>	<u>Non drive end</u>
Bearing type	:	6204 ZZ	6202 ZZ
Sealing	:	V'Ring	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	