

# DATA SHEET

## Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : Rolled Steel Premium Efficiency Three-Phase

Product code : 12809009

Catalog # : .3312OT3E56-S

Frame : 56  
Output : 0.33 HP (0.25 kW)  
Poles : 6  
Frequency : 60 Hz  
Rated voltage : 208-230/460 V  
Rated current : 1.54-1.40/0.698 A  
L. R. Amperes : 7.72-6.98/3.49 A  
LRC : 5.0x(Code K)  
No load current : 1.03-1.20/0.600 A  
Rated speed : 1160 rpm  
Slip : 3.33 %  
Rated torque : 1.49 ft.lb  
Locked rotor torque : 210 %  
Breakdown torque : 280 %  
Insulation class : F  
Service factor : 1.35  
Moment of inertia (J) : 0.0710 sq.ft.lb

Locked rotor time : 63s (cold) 35s (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> : 50.0 dB(A)  
Starting method : Direct On Line  
Approx. weight<sup>3</sup> : 18.5 lb

Output	25%	50%	75%	100%				
Efficiency (%)	55.6	61.4	59.5	62.7	66.0	67.9	71.4	68.8
	55.7		58.1		65.3		68.1	
Power Factor	0.23	0.27	0.42	0.50	0.53	0.63	0.63	0.73
	0.24		0.44		0.56		0.66	

Foundation loads  
Max. traction : 37 lb  
Max. compression : 55 lb

	Drive end	Non drive end
Bearing type	6203 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		Page 1 / 1		
Checked by				
Date	27/03/2024			
			Revision	