

# DATA SHEET

## Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : Rolled Steel Premium Efficiency Three-Phase

Product code : 12809013

Catalog # : .3318OT3E56-S

Frame : 56  
 Output : 0.33 HP (0.25 kW)  
 Poles : 4  
 Frequency : 60 Hz  
 Rated voltage : 208-230/460 V  
 Rated current : 1.48-1.34/0.668 A  
 L. R. Amperes : 9.16-8.28/4.14 A  
 LRC : 6.2x(Code L)  
 No load current : 0.948-1.10/0.550 A  
 Rated speed : 1765 rpm  
 Slip : 1.94 %  
 Rated torque : 0.982 ft.lb  
 Locked rotor torque : 229 %  
 Breakdown torque : 330 %  
 Insulation class : F  
 Service factor : 1.35  
 Moment of inertia (J) : 0.0453 sq.ft.lb

Locked rotor time : 64s (cold) 36s (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> : 17.2 lb

Output	25%		50%		75%		100%	
Efficiency (%)	59.2	63.1	62.0	65.0	70.0	70.6	73.4	72.5
	57.6		60.4		67.8		71.2	
Power Factor	0.24	0.28	0.44	0.51	0.55	0.64	0.64	0.73
	0.24		0.44		0.56		0.66	

Foundation loads  
 Max. traction : 26 lb  
 Max. compression : 43 lb

		<u>Drive end</u>	<u>Non drive end</u>
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	