

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : Rolled Steel Premium Efficiency Three-Phase

Product code : 12808937

Catalog # : .2536OT3E56-S

Frame : 56
Output : 0.25 HP (0.18 kW)
Poles : 2
Frequency : 60 Hz
Rated voltage : 208-230/460 V
Rated current : 1.01-0.918/0.459 A
L. R. Amperes : 7.00-6.33/3.17 A
LRC : 6.9x(Code M)
No load current : 0.604-0.700/0.350 A
Rated speed : 3525 rpm
Slip : 2.08 %
Rated torque : 0.372 ft.lb
Locked rotor torque : 240 %
Breakdown torque : 330 %
Insulation class : F
Service factor : 1.35
Moment of inertia (J) : 0.0389 sq.ft.lb

Locked rotor time : 77s (cold) 43s (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
Rotation¹ : Both (CW and CCW)
Noise level² : 62.0 dB(A)
Starting method : Direct On Line
Approx. weight³ : 16.2 lb

Output	25%		50%		75%		100%	
Efficiency (%)	53.3	56.4	55.0	58.8	64.0	65.6	65.6	68.3
	52.1		55.2		63.1		67.2	
Power Factor	0.31	0.36	0.56	0.62	0.66	0.73	0.75	0.81
	0.31		0.55		0.66		0.75	

Foundation loads
Max. traction : 6 lb
Max. compression : 22 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	