

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : Rolled Steel Standard Efficiency Three-Phase

Product code : 12805242

Catalog # : .7536ES3E56C-S

Frame : 56C
Output : 0.75 HP (0.55 kW)
Poles : 2
Frequency : 60 Hz
Rated voltage : 208-230/460 V
Rated current : 2.50-2.26/1.13 A
L. R. Amperes : 17.5-15.8/7.91 A
LRC : 7.0x(Code K)
No load current : 0.948-1.10/0.550 A
Rated speed : 3475 rpm
Slip : 3.47 %
Rated torque : 1.13 ft.lb
Locked rotor torque : 250 %
Breakdown torque : 290 %
Insulation class : F
Service factor : 1.15
Moment of inertia (J) : 0.0517 sq.ft.lb

Locked rotor time : 41s (cold) 23s (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
Rotation¹ : Both (CW and CCW)
Noise level² : 68.0 dB(A)
Starting method : Direct On Line
Approx. weight³ : 20.7 lb

Output	50%	75%	100%
Efficiency (%)	62.0 70.3	68.0 73.4	72.0 73.0
	68.1	72.8	73.9
Power Factor	0.70 0.77	0.79 0.86	0.85 0.91
	0.68	0.80	0.86

Foundation loads
Max. traction : 26 lb
Max. compression : 46 lb

	Drive end	Non drive end
Bearing type	6203 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		