

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : Rolled Steel Standard Efficiency Three-Phase

Product code : 12895589

Catalog # : .3336ES3E56CFL-S

Frame : 56C
Output : 0.33 HP (0.25 kW)
Poles : 2
Frequency : 60 Hz
Rated voltage : 208-230/460 V
Rated current : 1.33-1.20/0.602 A
L. R. Amperes : 8.52-7.71/3.85 A
LRC : 6.4x(Code L)
No load current : 0.621-0.720/0.360 A
Rated speed : 3485 rpm
Slip : 3.19 %
Rated torque : 0.497 ft.lb
Locked rotor torque : 250 %
Breakdown torque : 300 %
Insulation class : F
Service factor : 1.15
Moment of inertia (J) : 0.0389 sq.ft.lb

Locked rotor time : 72s (cold) 40s (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 : 16.8 lb

Output	25%	50%	75%	100%				
Efficiency (%)	44.9	57.8	48.0	59.6	57.5	65.4	62.0	67.2
	55.1		57.7		64.6		67.7	
Power Factor	0.44	0.48	0.72	0.77	0.79	0.85	0.84	0.89
	0.41		0.69		0.79		0.85	

Foundation loads
Max. traction : 8 lb
Max. compression : 25 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		