

DATA SHEET



Single Phase Induction Motor - Squirrel Cage

Customer

Product line : Special Motor

Frame	: 56C	Locked rotor time	: 15 s (hot) 27 s (cold)
Output	: 0.75 HP (0.55 kW)	Duty cycle	: S1
Poles	: 6	Ambient temperature	: -20 °C to +40 °C
Frequency	: 60 Hz	Altitude	: 1000 m.a.s.l
Rated voltage	: 115/230 V	Protection degree	: IP55
Rated current	: 7.80/3.90 A	Cooling method	: IC411 - TEFC
L. R. Amperes	: 45.9/23.0 A	Mounting	: F-1/B14R(D)
LRC	: 5.9 Code H	Rotation ¹	: Both
No load current	: 4.20/2.10 A	Noise level ²	: 54 dB(A)
Rated speed	: 1170 rpm	Starting method	: Direct On Line
Slip	: 2.50 %	Approx. weight ³	: 35.3 lb
Rated torque	: 3.36 ft.lb	Design	: L
Locked rotor torque	: 220 %		
Pull up torque	: 185 %		
Breakdown torque	: 235 %		
Insulation class	: F		
Service factor	: 1.15		
Moment of inertia (J)	: 0.159 sq.ft.lb		

Output	Start	50%	75%	100%	Load type	: -
Efficiency (%)	-	67.0	74.0	75.5	Load torque	: -
Power Factor	0.78	0.66	0.76	0.81	Load inertia (J=GD ² /4)	: -

Bearing type	Drive end	Non drive end	Foundation loads
Lubrication interval	6203-ZZ	6202-ZZ	Max. traction
Lubricant amount	-	-	Max. compression
Lubricant type	MOBIL POLYREX EM		

Notes:

Standards	Specification	: MG1 - Part 10	Vibration	:
	Test	: MG1 - Part 12	Tolerance	: MG1 - Part 12
	Noise	: MG1 - Part 9		

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 be changed 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 1-12.

Rev.	Changes Summary		Performed	Checked	Date
					26/06/2026
Performed by	espinosaa			191743/2026	
Checked by	fmonroy			Page	Revision
Date	25/06/2026			1/1	0

