

DATA SHEET

Single Phase Induction Motor - Squirrel Cage



Customer :					
Product line : W01 - TEFC - Premium Efficiency (DOE)					
Frame	: 56C			Locked rotor time	: 7 s (hot) 13 s (cold)
Output	: 3 HP (2.2 kW)			Temperature rise	: 80 K
Poles	: 2			Duty cycle	: S1
Frequency	: 60 Hz			Ambient temperature	: -20 °C to +40 °C
Rated voltage	: 115/208-230 V			Altitude	: 3280 ft
Rated current	: 25.0/13.6-12.5 A			Protection degree	: IP55
L. R. Amperes	: 205/112-103 A			Cooling method	: IC411 - TEFC
LRC	: 8.2			Mounting	: F-1/B14R(D)
No load current	: 8.00/3.45-4.00 A			Rotation ¹	: Both
Rated speed	: 3500 rpm			Noise level ²	: 68.0 dB(A)
Slip	: 2.78 %			Vibration class	: A
Rated torque	: 4.44 ft.lb			Starting method	: Direct On Line
Locked rotor torque	: 220 %			Approx. weight ³	: 47.9 lb
Pull up torque	: 185 %			Painting plan	: 207N
Breakdown torque	: 280 %			Color	: MUNSELL N 1 - MATTE
Insulation class	: F			Design	: L
Service factor	: 1.15				
Moment of inertia (J)	: 0.0949 sq.ft.lb				
Output	50%	75%	100%	Load type	: -
Efficiency (%)	81.5	84.0	84.0	Load torque	: -
Power Factor	0.83	0.88	0.91	Load inertia (J=GD²/4)	: -
	Drive end	Non drive end		Foundation loads	
Bearing type	6203-ZZ	6202-ZZ		Max. traction	: -
Lubrication interval	-	-		Max. compression	: -
Lubricant amount	-	-			
Lubricant type	MOBIL POLYREX EM				

Notes

See notes on page 2.

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.

These are average values based on tests with sinusoidal power supply, subject to the tolerances stipulated in NEMA MG 1-12.

Rev.	Changes Summary		Rev.	Checked	Date
Performed by	fmonroy			Page	Rev.
Checked by				1 / 2	0
Date	01/06/2026				

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Thermal protection ID	Application	Type	Quantity	Sensing Temperature
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Notes

Standards	Specification	: MG1 - Part 10	Vibration	: MG1 - Part 7
	Test	: MG1 - Part 12	Tolerance	: MG1 - Part 12
	Noise	: MG1 - Part 9		

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