

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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