

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :					
Product line : W01 - TEFC - Premium Efficiency (DOE)					
Frame	: 56C			Locked rotor time	: 31 s (hot) 56 s (cold)
Output	: 1 HP (0.75 kW)			Temperature rise	: 80 K
Poles	: 6			Duty cycle	: S1
Frequency	: 60 Hz			Ambient temperature	: -20 °C to +40 °C
Rated voltage	: 575 V			Altitude	: 3280 ft
Rated current	: 1.26 A			Protection degree	: IP55
L. R. Amperes	: 7.33 A			Cooling method	: IC411 - TEFC
LRC	: 5.8			Mounting	: F-1/B14R(D)
No load current	: 0.810 A			Rotation ¹	: Both
Rated speed	: 1145 rpm			Noise level ²	: 50.0 dB(A)
Slip	: 4.58 %			Vibration class	: A
Rated torque	: 4.52 ft.lb			Starting method	: Direct On Line
Locked rotor torque	: 230 %			Approx. weight ³	: 37.3 lb
Pull up torque	: 195 %			Painting plan	: 207N
Breakdown torque	: 280 %			Color	: MUNSELL N 1 - MATTE
Insulation class	: F			Design	: B
Service factor	: 1.15				
Moment of inertia (J)	: 0.1590 sq.ft.lb				
Output	50%	75%	100%	Load type	: -
Efficiency (%)	80.0	82.5	82.5	Load torque	: -
Power Factor	0.50	0.63	0.72	Load inertia (J=GD²/4)	: -
	Drive end	Non drive end		Foundation loads	
Bearing type #1	6204-ZZ	6202-ZZ		Max. traction	: 471 N
Lubrication interval	-	-		Max. compression	: 637 N
Lubricant amount #1	-	-			
Lubricant type	MOBIL POLYREX EM				

Notes

See notes on page 2.

Losses at normative operating points (speed;torque), in percentage of rated output power

P1 (0,9;1,0)	P2 (0,5;1,0)	P3 (0,25;1,0)	P4 (0,9;0,5)	P5 (0,5;0,5)	P6 (0,5;0,25)	P7 (0,25;0,25)
25.1	24.0	25.2	13.2	10.6	8.1	6.5

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				
Checked by					
Date	15/07/2026				
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Customer :

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Thermal protection				
ID	Application	Type	Quantity	Sensing Temperature

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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