

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=GD ² /4) : -
Bearing type #1	Drive end	Non drive end		Foundation loads
Lubrication interval	6204-ZZ	6202-ZZ		Max. traction : 471 N
Lubricant amount #1	-	-		Max. compression : 637 N
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				
				Page	Rev.
				1 / 2	0

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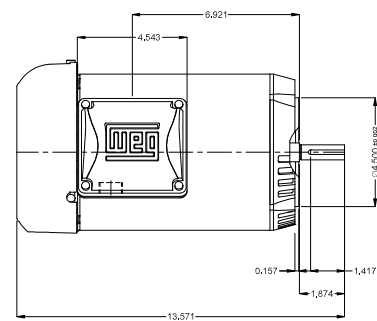
Thermal protection ID	Application	Type	Quantity	Sensing Temperature
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Notes

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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Performed by	fmonroy			Page	Rev.
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1 HP 06 Poles 60 Hz										A
						Scale			1 : 4	
					PIRWBUSER					00
ECM	LOC	SUMMARY OF MODIFICATIONS			EXECUTED	CHECKED	RELEASED	DATE	VER	
EXECUTED	PIRWBUSER			THREE PH. MOTOR ROLLED STEEL PREM. EFF.			PREVIEW			
CHECKED		FRAME 56C IP55 TEFC								
RELEASED										
REL. DATE	WEG	HUEHUETOCA			[Ventas Exportacion]	SHEET	WDD	00	1 / 1	

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