

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer : V.J. PAMENSKY CANADA INC.

Product line : W01 - TEFC - Premium Efficiency (DOE) Jet Pump - Forma J Derating Product code : 19176004

Frame	: W56J	Cooling method	: IC411 - TEFC
Insulation class	: F	Mounting	: W-6/V17R(D)
Duty cycle	: S1	Rotation ¹	: Counter clockwise
Ambient temperature	: -20 °C to +40 °C	Starting method	: Direct On Line
Altitude	: 3280 ft	Approx. weight ³	: 20.5 lb
Protection degree	: IP55	Moment of inertia (J)	: 0.0261 sq.ft.lb
Output	1 HP (0.75 kW)	1 HP (0.75 kW)	1 HP (0.75 kW)
Poles	2	2	2
Frequency	60 Hz	50 Hz	50 Hz
Rated voltage	208-230/460 V	190/380 V	220/415 V
Rated current	3.32-3.00/1.50 A	3.40/1.70 A	3.11/1.65 A
L. R. Amperes	29.2-26.4/13.2 A	22.1/11.1 A	23.3/12.4 A
LRC	8.8	6.5	7.5
No load current	1.38-1.60/0.798 A	1.56/0.781 A	1.79/0.949 A
Rated speed	3435 rpm	2770 rpm	2815 rpm
Slip	4.58 %	7.67 %	6.17 %
Rated torque	1.50 ft.lb	1.87 ft.lb	1.84 ft.lb
Locked rotor torque	360 %	280 %	330 %
Pull up torque	305 %	235 %	280 %
Breakdown torque	380 %	250 %	310 %
Service factor	1.15	1.15	1.15
Temperature rise	80 K	80 K	80 K
Noise level ²	65.0 dB(A)	64.0 dB(A)	64.0 dB(A)
Locked rotor time (hot)	10 s	9 s	8 s
Locked rotor time (cold)	18 s	16 s	14 s
Efficiency (%)	50%	74.0	77.8
	75%	77.0	79.2
	100%	78.5	77.8
Power Factor	50%	0.63	0.70
	75%	0.75	0.81
	100%	0.80	0.86
Bearing type	Drive end 6203-2RS Non drive end 6202-2RS	Foundation loads	
Lubrication interval	-	Max. traction	: 205 N
Lubricant amount	-	Max. compression	: 296 N
Lubricant type	MOBIL POLYREX EM	Load type	: -
		Load torque	: -
		Load inertia (J=GD ² /4)	: -

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	farazq			1866995202	
Checked by	AUTOMATICO			Page	Rev.
Date	29/06/2026			1 / 2	0

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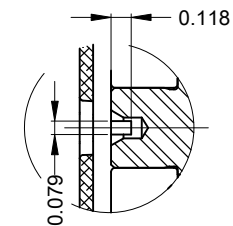
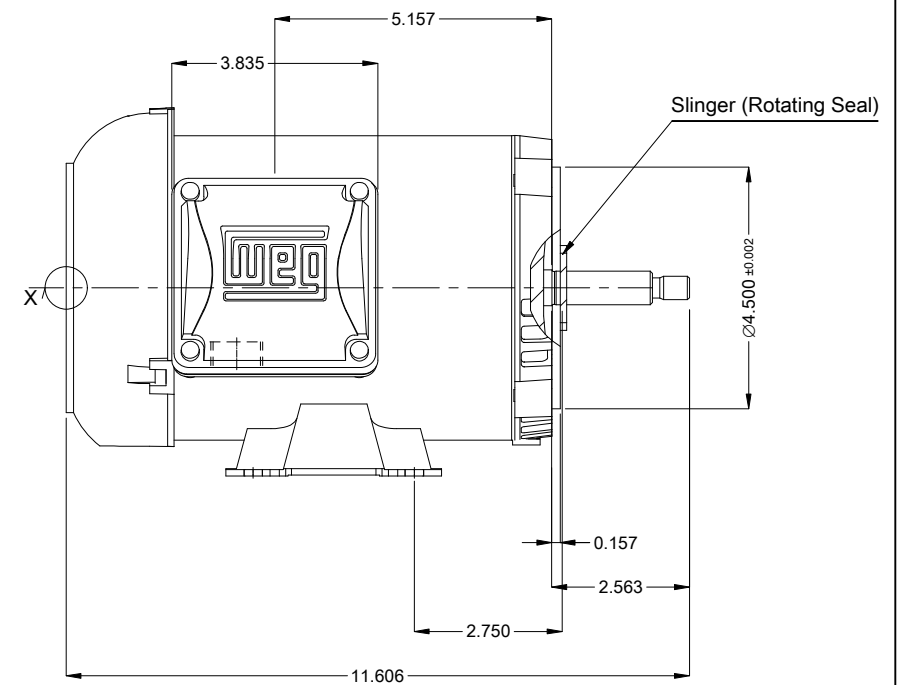
Thermal protection ID	Application	Type	Quantity	Sensing Temperature
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Notes

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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Technical drawing showing a cross-section of a mechanical assembly. The drawing includes the following dimensions and specifications:

- 0.625
- 0.138
- 1.874 $\pm$ 0.008
- 0.472
- 0.591
- 0.689 $\pm$ 0.030
- UNF 7/16"-20-2A

Dimensions in inches

A3

Mounting W-6/V17R(D)

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