

DATA SHEET



Single Phase Induction Motor - Squirrel Cage

Customer : _____

Product line : W01 - TEFC - Premium Efficiency (DOE) Jet Pump - Forma J
 Product code : 18120340

Frame : 56J Output : 1 HP (0.75 kW) Poles : 2 Frequency : 60 Hz Rated voltage : 115/208-230 V Rated current : 8.74/4.66-4.37 A L. R. Amperes : 72.5/36.3 A LRC : 8.3 Code K No load current : 2.00/1.00 A Rated speed : 3505 rpm Slip : 2.64 % Rated torque : 1.50 ft.lb Locked rotor torque : 270 % Pull up torque : 230 % Breakdown torque : 290 % Insulation class : F Service factor : 1.15 Moment of inertia (J) : 0.0593 sq.ft.lb	Locked rotor time : 15 s (hot) 27 s (cold) Duty cycle : S1 Ambient temperature : -20 °C to +40 °C Altitude : 1000 m.a.s.l Protection degree : IP55 Cooling method : IC411 - TEFC Mounting : F-1/B14R(D) Rotation ¹ : Counter clockwise Noise level ² : 68 dB(A) Vibration class : A Starting method : Direct On Line Approx. weight ³ : 32.0 lb Painting plan : 207N Color : MUNSELL N 1 - MATTE Design : N
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Output	Start	50%	75%	100%	Load type	: -
Efficiency (%)	-	64.0	72.0	78.5	Load torque	: -
Power Factor	0.89	0.95	0.94	0.95	Load inertia (J=GD ² /4)	: -

Bearing type Lubrication interval Lubricant amount Lubricant type	Drive end	Non drive end	Foundation loads Max. traction : - Max. compression : -
	6203-2RS	6202-2RS	
	-	-	
	MOBIL POLYREX EM		

Notes:

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

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.
 (4) At 100% of full load.

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

Rev.	Changes Summary	Performed	Checked	Date	
				20/05/2026	
Performed by	t-omars	148982/2026			
Checked by	AUTOMATICO			Page	Revision
Date	20/05/2026			1/2	0

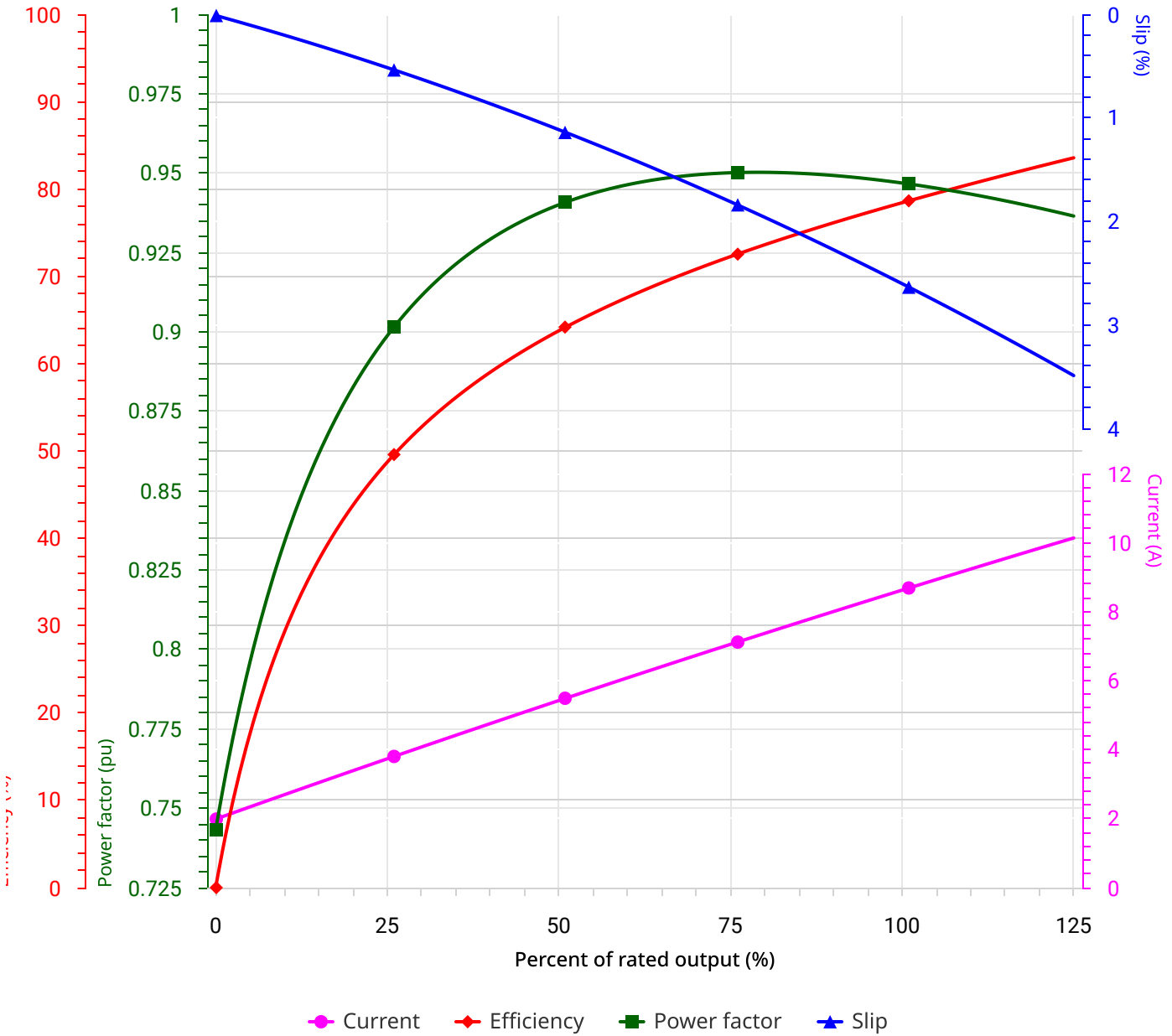
LOAD PERFORMANCE CURVE



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Performance : 1 HP (0.75 kW) 115/208/230V 60Hz 2P 56J

Rated current	: 8.74/4.66/4.37 A	Moment of inertia (J)	: 0.0593 sq.ft.lb
LRC	: 8.3 Code K	Duty cycle	: Cont.(S1)
Rated torque	: 1.50 ft.lb	Insulation class	: F
Locked rotor torque	: 270 %	Service factor	: 1.15
Breakdown torque	: 290 %	Temperature rise	: 80 K
Rated speed	: 3505 rpm	Design	: N

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				20/05/2026
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Checked by	AUTOMATICO		Page	Revision
Date	20/05/2026		2/2	0