DATA SHEET

Single Phase Induction Motor - Squirrel Cage

Customer :

Product line : W01 - ODP - Premium Efficiency (DOE) Jet Pump - Forma J
Product code : 14581698

Frame	: 56J	Locked rotor time	: 16 s (hot) 29 s (cold)
Output	: 1 HP (0.75 kW)	Duty cycle	: S1
Poles	: 2	Ambient temperature	: -20 °C to +40 °C
Frequency	: 60 Hz	Altitude	: 1000 m.a.s.l
Rated voltage	: 115/208-230 V	Protection degree	: IP21
Rated current	: 8.60/4.75-4.30 A	Cooling method	: IC01 - ODP
L. R. Amperes	: 72.2/36.1 A	Mounting	: F-1/B14R(D)
LRC	: 8.4 Code K	Rotation[1]	: Counter clockwise
No load current	: 2.60/1.30 A	Noise level[2]	: 58 dB(A)
Rated speed	: 3510 rpm	Starting method	: Direct On Line
Slip	: 2.50 %	Approx. weight[3]	: 13.5 kg
Rated torque	: 0.207 kgfm	Design	: N
Locked rotor torque	: 290 %		
Pull up torque	: 245 %		
Breakdown torque	: 300 %		
Insulation class	: F		
Service factor	: 1.40		
Moment of inertia (J)	: 0.0023 kgm²		

Output	Start	50%	75%	100%
Efficiency (%)	-	69.0	76.0	80.4
Power Factor	0.88	0.89	0.93	0.94

	Drive end	Non drive end
Bearing type	6203-2RS	6202-2RS
Lubrication interval	-	-
Lubricant amount	-	-
Lubricant type	MOBIL POLYREX EM	

Load type : -
Load torque : -
Load inertia (J=GD²/4) : -

Foundation loads
Max. traction : -
Max. compression : -

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 +0dB(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
				2026/11/12

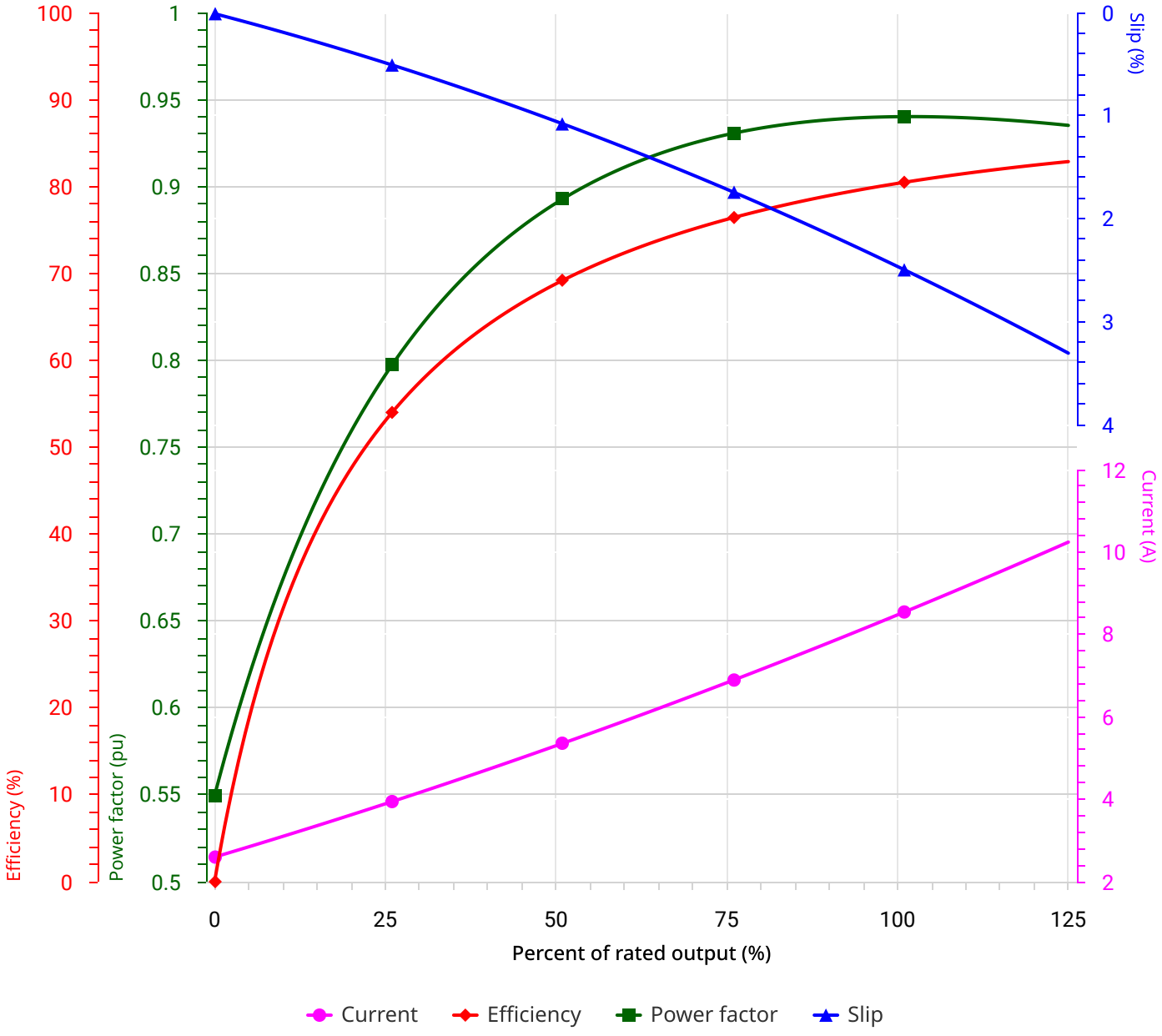
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LOAD PERFORMANCE CURVE

Single Phase Induction Motor - Squirrel Cage

Customer	:
Product line	: W01 - ODP - Premium Efficiency (DOE) Jet Pump - Forma J
Product code	: 14581698



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

Rated current	: 8.60/4.75/4.30 A	Moment of inertia (J)	: 0.0023 kgm²
LRC	: 8.4 Code K	Duty cycle	: Cont.(S1)
Rated torque	: 0.207 kgfm	Insulation class	: F
Locked rotor torque	: 290 %	Service factor	: 1.40
Breakdown torque	: 300 %	Temperature rise	: 80 K
Rated speed	: 3510 rpm	Design	: N

Rev.	Changes Summary	Performed	Checked	Date
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