DATA SHEET

Single Phase Induction Motor - Squirrel Cage

Customer :

Product line : W01 - ODP - Premium Efficiency (DOE) Jet Pump - Forma J
Product code : 14690437

Frame	: W56J	Locked rotor time	: 9 s (hot) 16 s (cold)
Output	: 0.5 HP (0.37 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	: 4.80/2.65-2.40 A	Cooling method	: IC01 - ODP
L. R. Amperes	: 3.84/1.92 A	Mounting	: F-1/B14R(D)
LRC	: 0.8 Code A	Rotation[1]	: Counter clockwise
No load current	: 1.60/0.800 A	Noise level[2]	: 56 dB(A)
Rated speed	: 3510 rpm	Starting method	: Direct On Line
Slip	: 2.50 %	Approx. weight[3]	: 8.8 kg
Rated torque	: 0.103 kgfm	Design	: N
Locked rotor torque	: 270 %		
Pull up torque	: 230 %		
Breakdown torque	: 300 %		
Insulation class	: F		
Service factor	: 1.60		
Moment of inertia (J)	: 0.0011 kgm²		

Output	Start	50%	75%	100%
Efficiency (%)	-	60.0	68.0	72.4
Power Factor	0.93	0.90	0.93	0.94

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

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

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

Notes:

Standards

Specification : MG1 - Part 10
Test : MG1 - Part 12
Noise : MG1 - Part 9

Vibration :
Tolerance : MG1 - Part 12

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

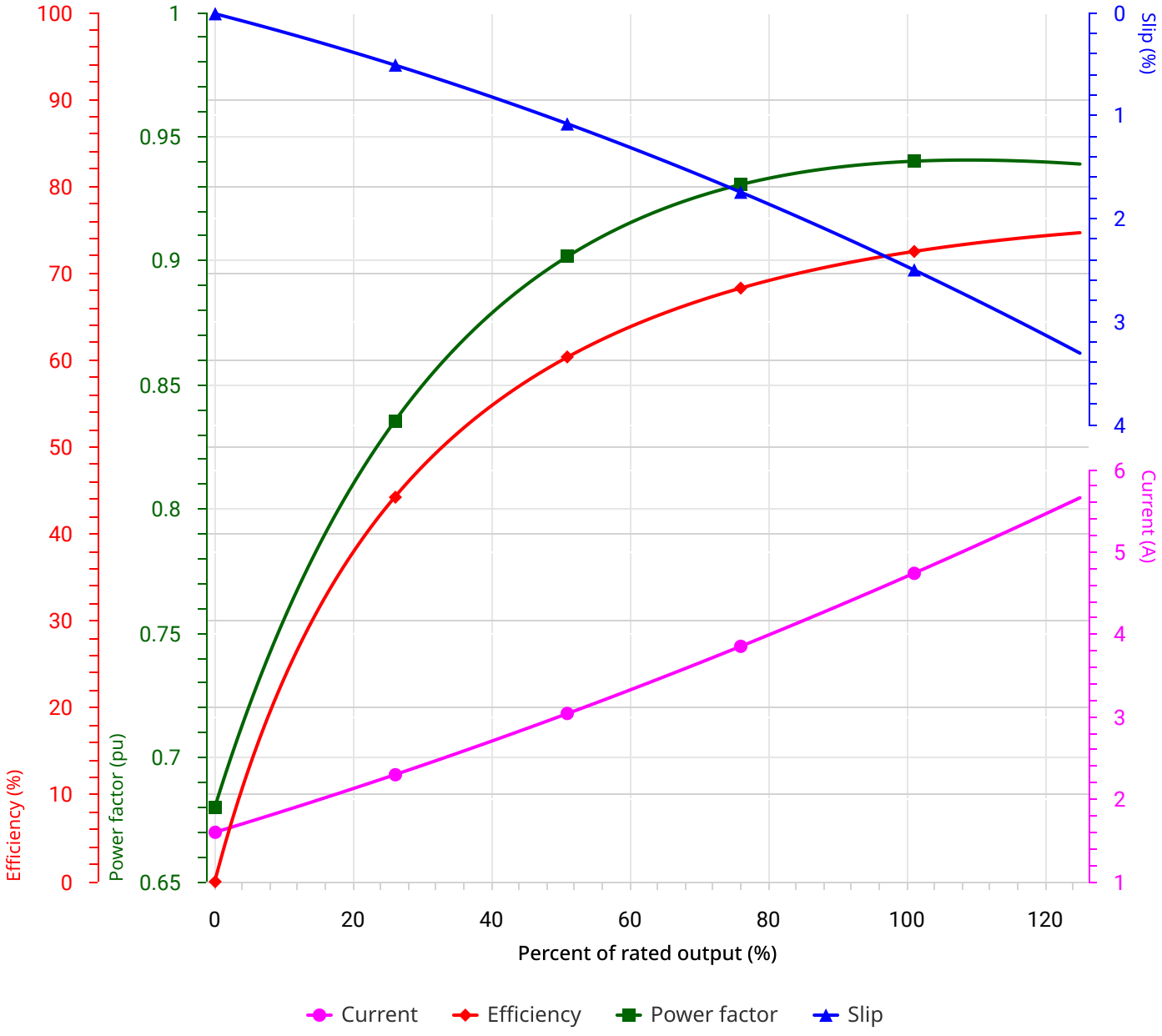
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LOAD PERFORMANCE CURVE

Single Phase Induction Motor - Squirrel Cage

Customer	:
Product line	: W01 - ODP - Premium Efficiency (DOE) Jet Pump - Forma J
Product code	: 14690437



Performance	: 0.5 HP (0.37 kW) 115/208/230V 60Hz 2P W56J

Rated current	: 4.80/2.65/2.40 A	Moment of inertia (J)	: 0.0011 kgm²
LRC	: 0.8 Code A	Duty cycle	: Cont.(S1)
Rated torque	: 0.103 kgfm	Insulation class	: F
Locked rotor torque	: 270 %	Service factor	: 1.60
Breakdown torque	: 300 %	Temperature rise	: 80 K
Rated speed	: 3510 rpm	Design	: N

Rev.	Changes Summary	Performed	Checked	Date
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