DATA SHEET

Single Phase Induction Motor - Squirrel Cage

Customer	:

Product line	: W01 - TEFC - Standard Efficiency Jet Pump - Forma J
Product code	: 13997409

Frame	: W56J	Locked rotor time	: 10 s (hot) 18 s (cold)
Output	: 0.5 HP (0.37 kW)	Duty cycle	: S1
Poles	: 4	Ambient temperature	: -20 °C to +40 °C
Frequency	: 60 Hz	Altitude	: 1000 m.a.s.l
Rated voltage	: 115/208-230 V	Protection degree	: IP55
Rated current	: 8.00/4.42-4.00 A	Cooling method	: IC411 - TEFC
L. R. Amperes	: 45.6/22.8 A	Mounting	: F-1/B14R(D)
LRC	: 5.7 Code M	Rotation[1]	: Counter clockwise
No load current	: 6.60/3.30 A	Noise level[2]	: 52 dB(A)
Rated speed	: 1730 rpm	Starting method	: Direct On Line
Slip	: 3.89 %	Approx. weight[3]	: 9.4 kg
Rated torque	: 0.210 kgfm	Design	: N
Locked rotor torque	: 320 %		
Pull up torque	: 270 %		
Breakdown torque	: 270 %		
Insulation class	: F		
Service factor	: 1.15		
Moment of inertia (J)	: 0.002 kgm²		

Output	Start	50%	75%	100%
Efficiency (%)	-	52.0	59.0	64.0
Power Factor	0.93	0.44	0.54	0.63

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	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

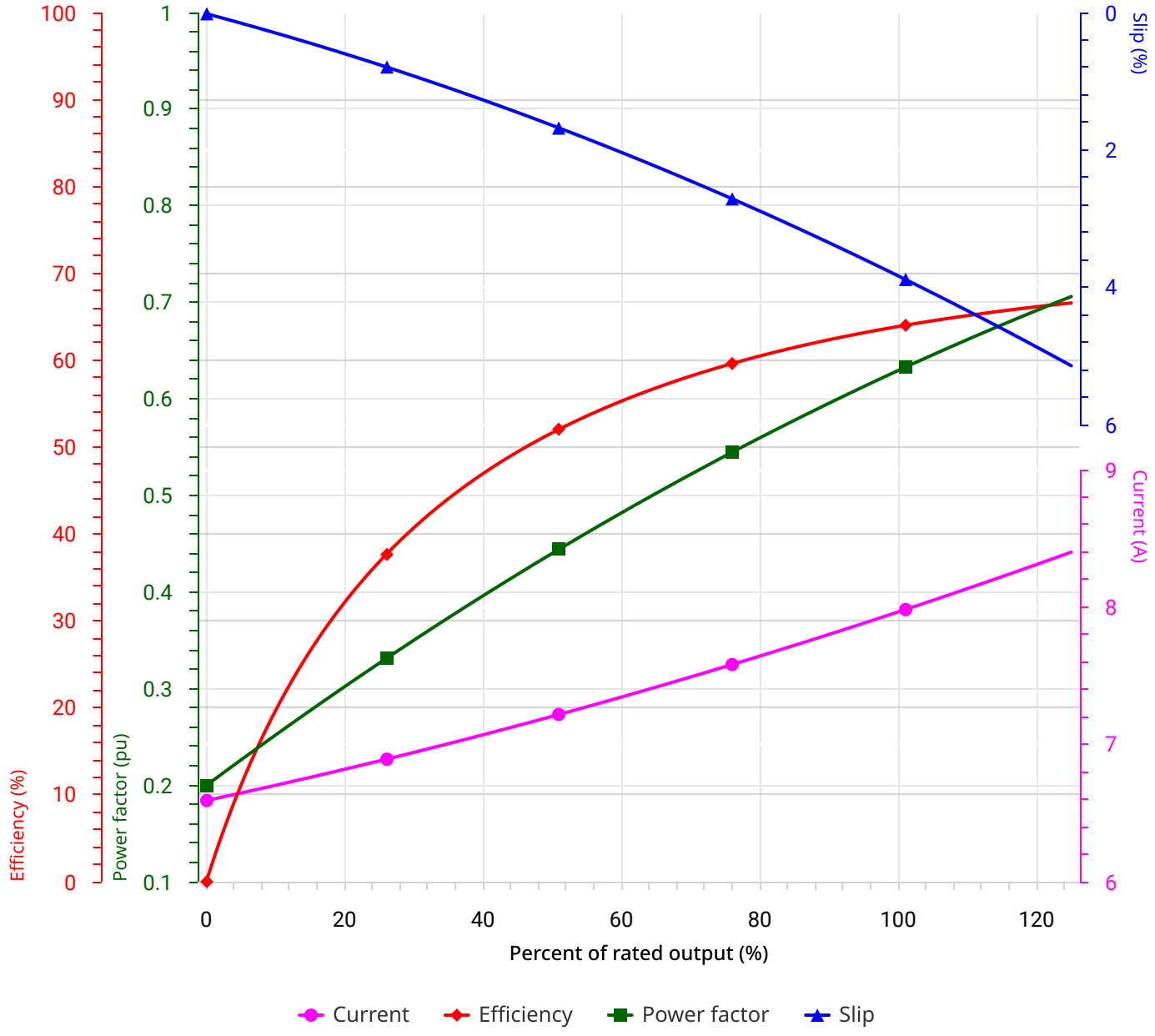
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LOAD PERFORMANCE CURVE

Single Phase Induction Motor - Squirrel Cage

Customer	:
Product line	: W01 - TEFC - Standard Efficiency Jet Pump - Forma J
Product code	: 13997409



Performance	: 0.5 HP (0.37 kW) 115/208/230V 60Hz 4P W56J

Rated current	: 8.00/4.42/4.00 A	Moment of inertia (J)	: 0.002 kgm²
LRC	: 5.7 Code M	Duty cycle	: Cont.(S1)
Rated torque	: 0.210 kgfm	Insulation class	: F
Locked rotor torque	: 320 %	Service factor	: 1.15
Breakdown torque	: 270 %	Temperature rise	: 80 K
Rated speed	: 1730 rpm	Design	: N

Rev.	Changes Summary	Performed	Checked	Date
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