DATA SHEET

Three Phase Induction Motor - Squirrel Cage

Customer	:

Product line	: W01 - ODP - Premium Efficiency (DOE) Jet Pump - Forma J
Product code	: 14103958

Frame	: W56J	Locked rotor time	: 13 s (hot) 23 s (cold)
Output	: 1.5 HP (1.1 kW)	Temperature rise[4]	: 80 K
Poles	: 2	Duty cycle	: S1
Frequency	: 60 Hz	Ambient temperature	: -20 °C to +40 °C
Rated voltage	: 575 V	Altitude	: 1000 m.a.s.l
Rated current	: 1.69 A	Protection degree	: IP21
L. R. Amperes	: 14.9 A	Cooling method	: IC01 - ODP
LRC	: 8.8 Code L	Mounting	: F-1/B14R(D)
No load current	: 0.960 A	Rotation[1]	: Counter clockwise
Rated speed	: 3450 rpm	Noise level[2]	: 62 dB(A)
Slip	: 4.17 %	Starting method	: Direct On Line
Rated torque	: 0.316 kgfm	Approx. weight[3]	: 10.8 kg
Locked rotor torque	: 400 %	Design	: A
Pull up torque	: 340 %		
Breakdown torque	: 430 %		
Insulation class	: F		
Service factor	: 1.30		
Moment of inertia (J)	: 0.0014 kgm²		

Output	Start	50%	75%	100%
Efficiency (%)	-	78.5	82.5	84.0
Power Factor	0.79	0.59	0.72	0.78

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	: 38 kgf
Max. compression	: 49 kgf

Notes:

Losses at normative operating points (speed;torque), in percentage of rated output power

P1 (0,9;1,0)	P2 (0,5;1,0)	P3 (0,25;1,0)	P4 (0,9;0,5)	P5 (0,5;0,5)	P6 (0,5;0,25)	P7 (0,25;0,25)
20.32	16.90	16.37	11.83	7.80	5.96	4.05

Standards

Specification	: MG1 - Part 10	Vibration	: MG1 - Part 7
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

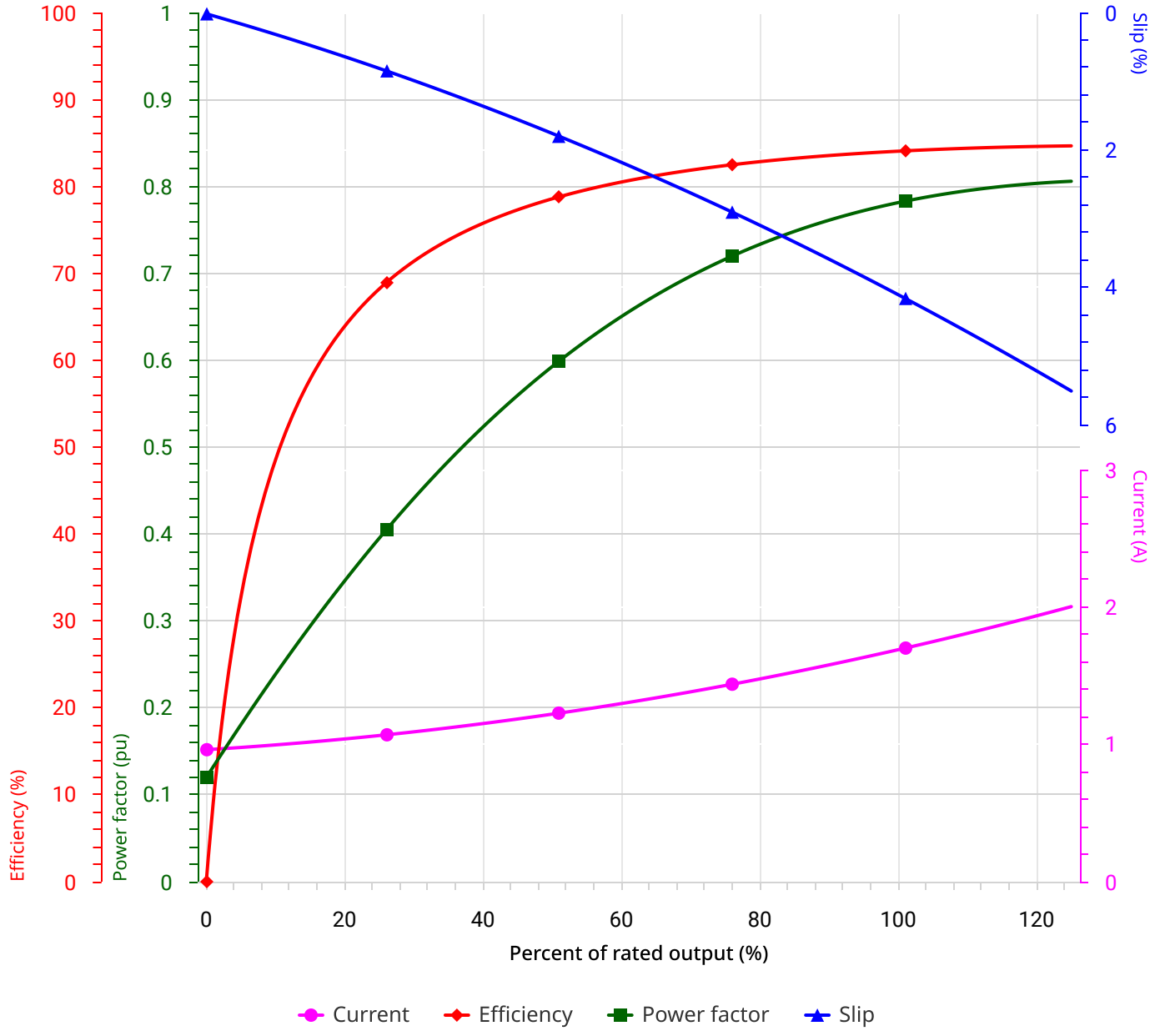
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LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage

Customer	:
Product line	: W01 - ODP - Premium Efficiency (DOE) Jet Pump - Forma J
Product code	: 14103958



Performance	: 1.5 HP (1.1 kW) 575V 60Hz 2P W56J

Rated current	: 1.69 A	Moment of inertia (J)	: 0.0014 kgm²
LRC	: 8.8 Code L	Duty cycle	: Cont.(S1)
Rated torque	: 0.316 kgfm	Insulation class	: F
Locked rotor torque	: 400 %	Service factor	: 1.30
Breakdown torque	: 430 %	Temperature rise	: 80 K
Rated speed	: 3450 rpm	Design	: A

Rev.	Changes Summary	Performed	Checked	Date
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