DATA SHEET

Single Phase Induction Motor - Squirrel Cage

Customer	:

Product line	: Special Motor
Product code	: 17996456

Frame	: W56
Output	: 0.5 HP (0.37 kW)
Poles	: 2
Frequency	: 60 Hz
Rated voltage	: 208-230-115 V
Rated current	: 2.64-2.39-4.78 A
L. R. Amperes	: 20.3/40.6 A
LRC	: 8.5 Code L
No load current	: 0.700/1.40 A
Rated speed	: 3510 rpm
Slip	: 2.50 %
Rated torque	: 0.103 kgfm
Locked rotor torque	: 260 %
Pull up torque	: 220 %
Breakdown torque	: 300 %
Insulation class	: F
Service factor	: 1.15
Moment of inertia (J)	: 0.0012 kgm²

Locked rotor time	: 11 s (hot) 20 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]	: 66 dB(A)
Starting method	: Direct On Line
Approx. weight[3]	: 9.8 kg
Design	: N

Output	Start	50%	75%	100%
Efficiency (%)	-	64.0	70.0	74.0
Power Factor	0.93	0.85	0.88	0.91

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
				21/05/2026

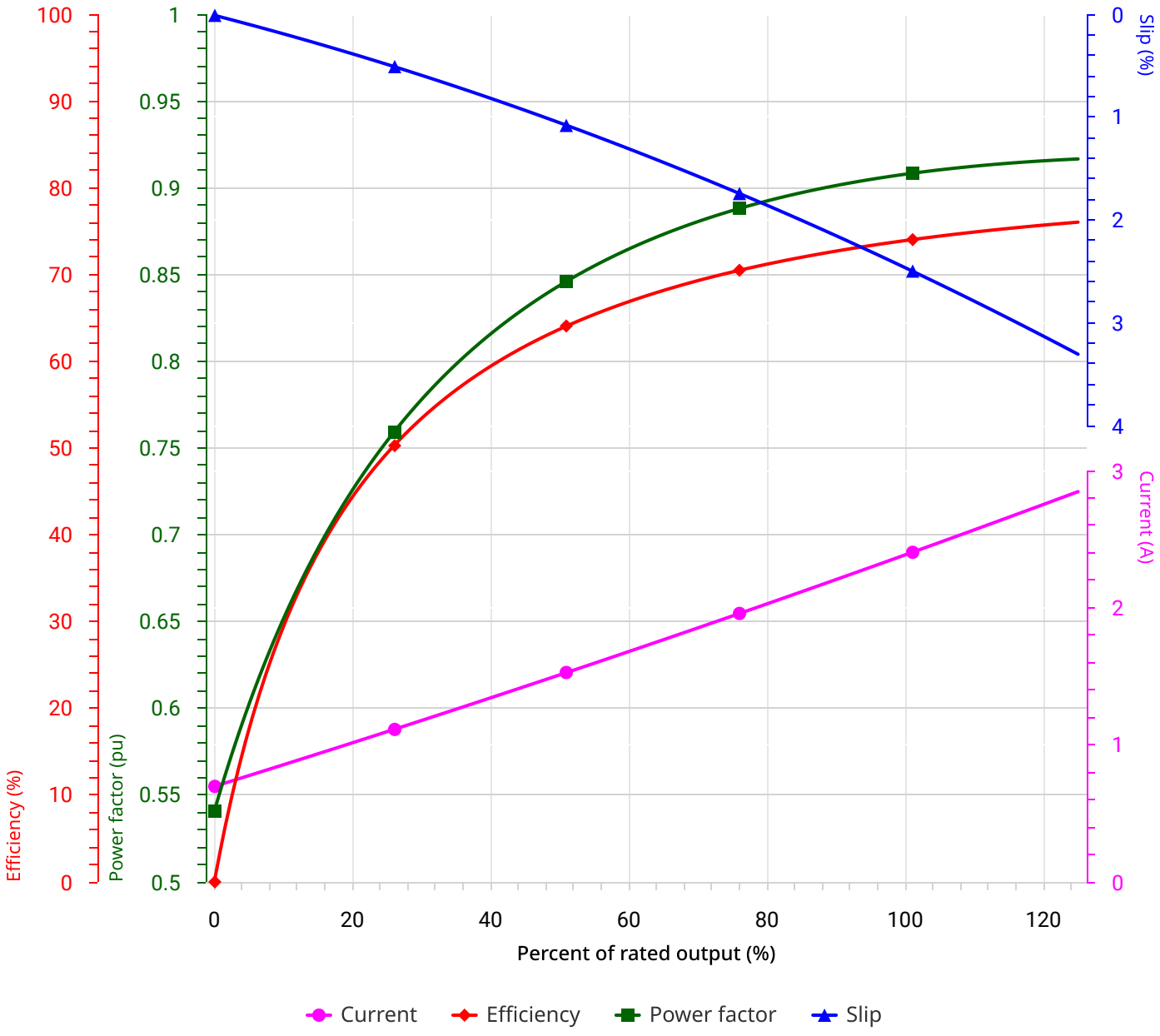
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LOAD PERFORMANCE CURVE

Single Phase Induction Motor - Squirrel Cage

Customer	:
Product line	: Special Motor
Product code	: 17996456



Performance	: 0.5 HP (0.37 kW) 208/230/115V 60Hz 2P W56

Rated current	: 2.64/2.39/4.78 A	Moment of inertia (J)	: 0.0012 kgm²
LRC	: 8.5 Code L	Duty cycle	: Cont.(S1)
Rated torque	: 0.103 kgfm	Insulation class	: F
Locked rotor torque	: 260 %	Service factor	: 1.15
Breakdown torque	: 300 %	Temperature rise	: 80 K
Rated speed	: 3510 rpm	Design	: N

Rev.	Changes Summary	Performed	Checked	Date
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