DATA SHEET

Single Phase Induction Motor - Squirrel Cage

Customer :

Product line : Special Motor
Product code : 18652663

Frame	: W56
Output	: 0.33 HP (0.25 kW)
Poles	: 4
Frequency	: 60 Hz
Rated voltage	: 115/230-208 V
Rated current	: 3.50/1.75-2.08 A
L. R. Amperes	: 24.5/12.3-16.0 A
LRC	: 7.0 Code L
No load current	: 1.60/0.800-0.700 A
Rated speed	: 1740 rpm
Slip	: 3.33 %
Rated torque	: 0.138 kgfm
Locked rotor torque	: 290 %
Pull up torque	: 245 %
Breakdown torque	: 250 %
Insulation class	: F
Service factor	: 1.15
Moment of inertia (J)	: 0.002 kgm²

Locked rotor time	: 22 s (hot) 40 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]	: 52 dB(A)
Starting method	: Direct On Line
Approx. weight[3]	: 11.0 kg
Design	: N

Output	Start	50%	75%	100%
Efficiency (%)	-	64.0	68.0	74.0
Power Factor	0.00	0.74	0.80	0.84

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
				12/05/2025

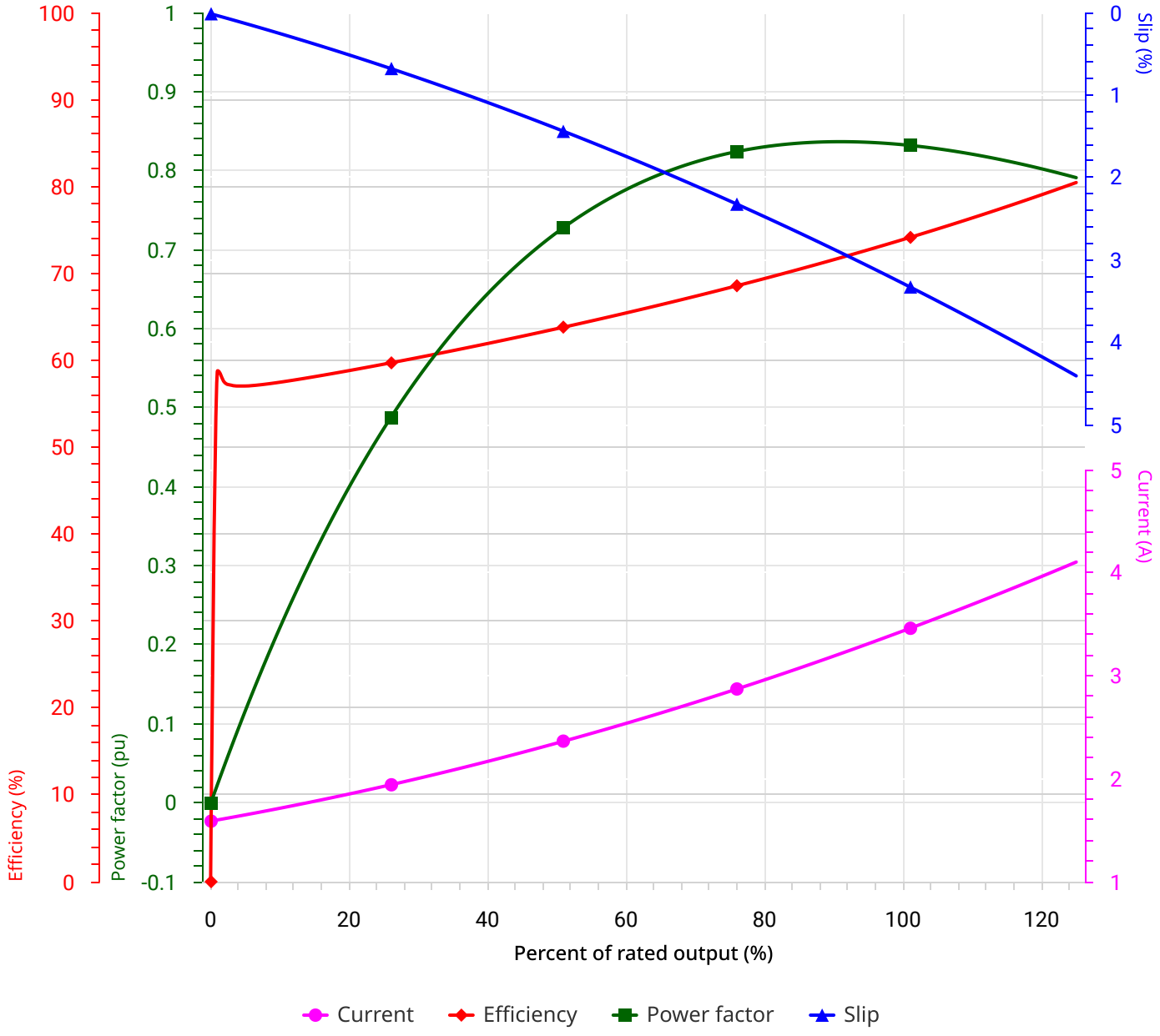
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Date	06/05/2025		1/2	0

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LOAD PERFORMANCE CURVE

Single Phase Induction Motor - Squirrel Cage

Customer	:
Product line	: Special Motor
Product code	: 18652663



Performance	: 0.33 HP (0.25 kW) 115/230/208V 60Hz 4P W56

Rated current	: 3.50/1.75/2.08 A	Moment of inertia (J)	: 0.002 kgm²
LRC	: 7.0 Code L	Duty cycle	: Cont.(S1)
Rated torque	: 0.138 kgfm	Insulation class	: F
Locked rotor torque	: 290 %	Service factor	: 1.15
Breakdown torque	: 250 %	Temperature rise	: 80 K
Rated speed	: 1740 rpm	Design	: N

Rev.	Changes Summary	Performed	Checked	Date
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Performed by	lucaspiton		134721/2025	
Checked by	honnicke		Page	Revision
Date	06/05/2025		2/2	0

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