DATA SHEET

Three Phase Induction Motor - Squirrel Cage

Customer :

Product line : Special Motor
Product code : 15369379

Frame	: 56
Output	: 1 HP (0.75 kW)
Poles	: 2
Frequency	: 60 Hz
Rated voltage	: 460-230 V
Rated current	: 1.61-3.22 A
L. R. Amperes	: 9.18-18.4 A
LRC	: 5.7 Code J
No load current	: 0.690-1.38 A
Rated speed	: 3450 rpm
Slip	: 4.17 %
Rated torque	: 0.210 kgfm
Locked rotor torque	: 230 %
Pull up torque	: 195 %
Breakdown torque	: 290 %
Insulation class	: F
Service factor	: 1.00
Moment of inertia (J)	: 0.0013 kgm²

Locked rotor time	: 15 s (hot) 27 s (cold)
Temperature rise[4]	: 95 K
Duty cycle	: S1
Ambient temperature	: -20 °C to +50 °C
Altitude	: 1000 m.a.s.l
Protection degree	: IP55
Cooling method	: TEFC-XP
Mounting	: F-1/B34R(D)
Rotation[1]	: Both
Starting method	: Direct On Line
Approx. weight[3]	: 10.8 kg

Output	Start	50%	75%	100%
Efficiency (%)	-	70.8	75.4	77.0
Power Factor	0.00	0.63	0.72	0.76

	Drive end	Non drive end
Bearing type	-	-
Lubrication interval	-	-
Lubricant amount	-	-
Lubricant type	POLYUREA BASED GREASE	

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

Notes:

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
				29/01/2025

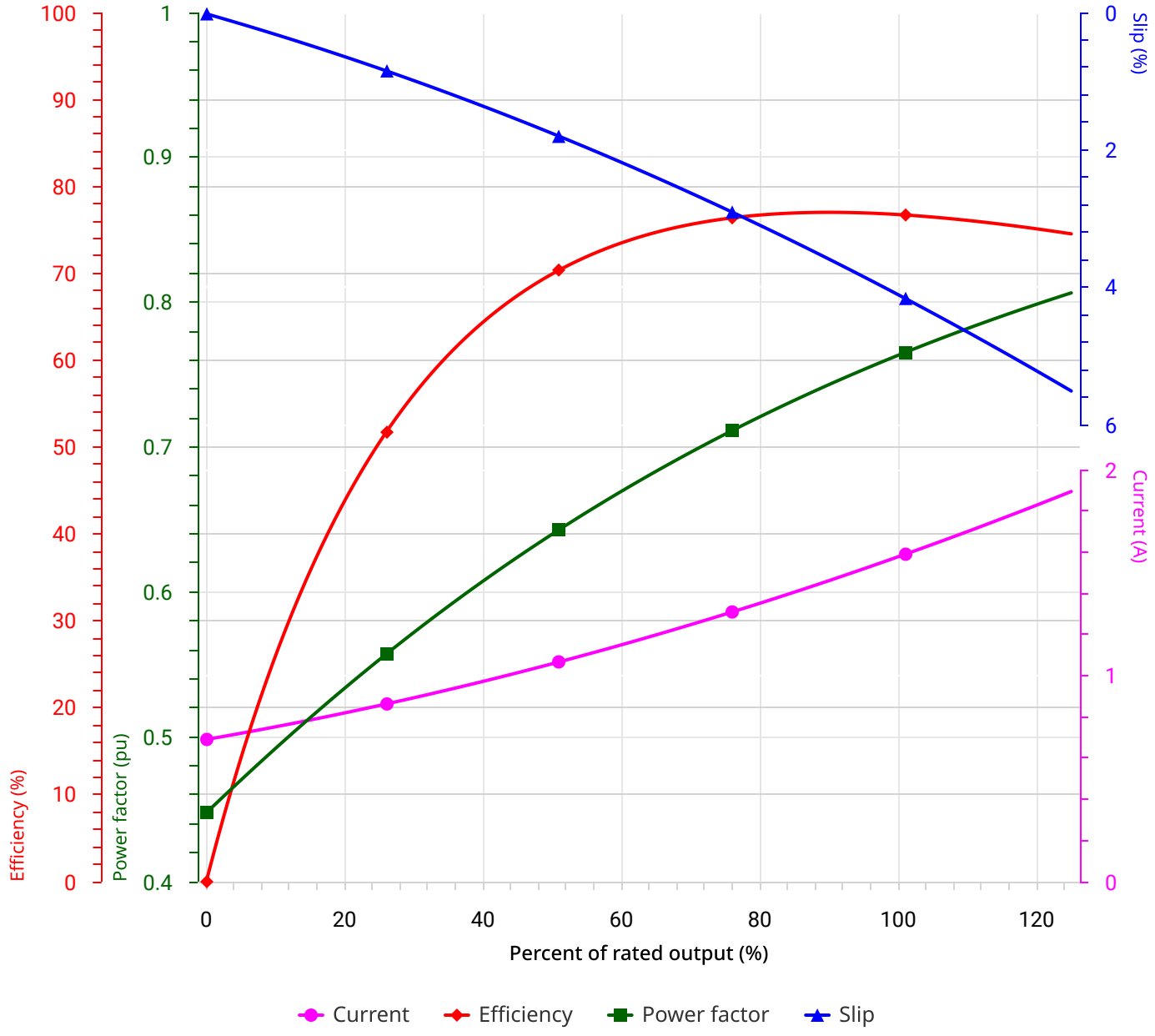
Performed by	josianeh		24972/2025	
Checked by	AUTOMATICO		Page	Revision
Date	29/01/2025		1/2	1

This document is exclusive property of WEG S/A. Reprinting is not allowed without written authorization of WEG S/A.

LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage

Customer	:
Product line	: Special Motor
Product code	: 15369379



Performance	: 1 HP (0.75 kW) 460/230V 60Hz 2P 56

Rated current	: 1.61/3.22 A	Moment of inertia (J)	: 0.0013 kgm²
LRC	: 5.7 Code J	Duty cycle	: Cont.(S1)
Rated torque	: 0.210 kgfm	Insulation class	: F
Locked rotor torque	: 230 %	Service factor	: 1.00
Breakdown torque	: 290 %	Temperature rise	: 95 K
Rated speed	: 3450 rpm		

Rev.	Changes Summary	Performed	Checked	Date
				29/01/2025

Performed by	josianeh		24972/2025	
Checked by	AUTOMATICO		Page	Revision
Date	29/01/2025		2/2	1

This document is exclusive property of WEG S/A. Reprinting is not allowed without written authorization of WEG S/A.