DATA SHEET

Three Phase Induction Motor - Squirrel Cage

Customer	:

Product line	: Special Motor
Product code	: 13500700

Frame	: 586
Output	: 400 HP (300 kW)
Poles	: 4
Frequency	: 60 Hz
Rated voltage	: 460 V
Rated current	: 466 A
L. R. Amperes	: 3495 A
LRC	: 7.5
No load current	: 166 A
Rated speed	: 1791 rpm
Slip	: 0.50 %
Rated torque	: 162 kgfm
Locked rotor torque	: 250 %
Pull up torque	: 180 %
Breakdown torque	: 290 %
Insulation class	: F
Service factor	: 1.15
Moment of inertia (J)	: 6.55 kgm²

Locked rotor time	: 20 s (hot) 36 s (cold)
Temperature rise[4]	: 80 K
Duty cycle	: S1
Ambient temperature	: -20 °C to +40 °C
Altitude	: 1000 m.a.s.l
Protection degree	: IP55
Cooling method	: IC411 - TEFC
Mounting	: B3R(D)
Rotation[1]	: Both
Noise level[2]	: 81 dB(A)
Starting method	: Direct On Line
Approx. weight[3]	: 1567 kg
Design	: BE

Output	Start	50%	75%	100%
Efficiency (%)	-	95.4	96.2	96.2
Power Factor	0.32	0.71	0.80	0.84

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

	Drive end	Non drive end
Bearing type	NU-324-C3	6319-C3
Lubrication interval	3000 h	8000 h
Lubricant amount	72 g	45 g
Lubricant type	MOBIL POLYREX EM	

Notes:
The vibration and noise level informed are valid when motor is operating with roller bearings respecting their minimum radial load. Thus, WEG reserves the right to test the motor with ball bearings.

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)
4.33	3.07	2.31	2.92	1.80	1.49	0.79

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
				09/07/2026

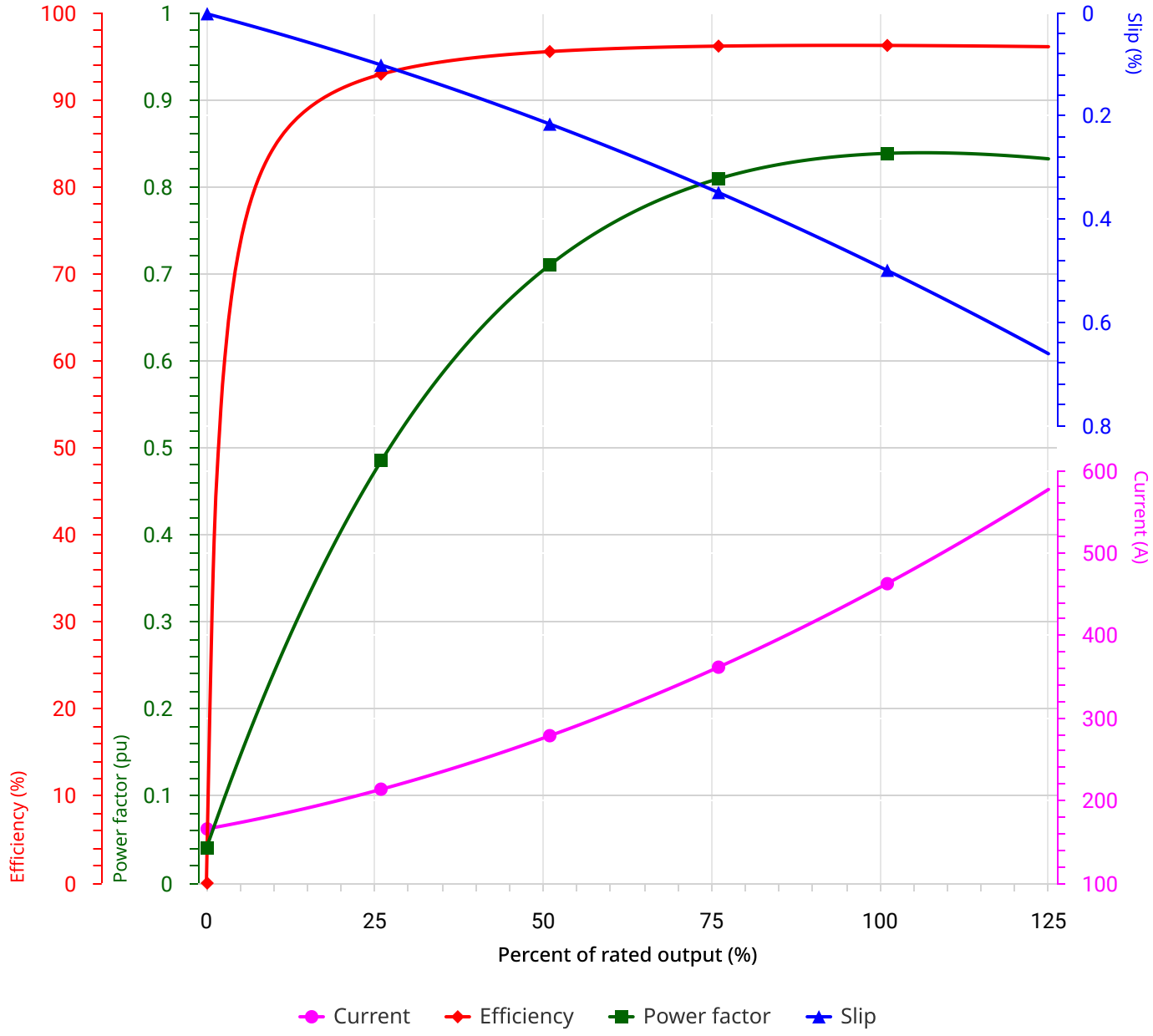
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Checked by	fazevedo	Page	Revision
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LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage

Customer	:
Product line	: Special Motor
Product code	: 13500700



Performance	: 400 HP (300 kW) 460V 60Hz 4P 586

Rated current	: 466 A	Moment of inertia (J)	: 6.55 kgm²
LRC	: 7.5	Duty cycle	: Cont.(S1)
Rated torque	: 162 kgfm	Insulation class	: F
Locked rotor torque	: 250 %	Service factor	: 1.15
Breakdown torque	: 290 %	Temperature rise	: 80 K
Rated speed	: 1791 rpm	Design	: BE

Rev.	Changes Summary	Performed	Checked	Date
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