DATA SHEET

Three Phase Induction Motor - Squirrel Cage

Customer	:

Product line	: W22 - Nema Premium Efficiency
Product code	: 13500622

Frame	: 447/9T
Output	: 300 HP (220 kW)
Poles	: 6
Frequency	: 60 Hz
Rated voltage	: 460 V
Rated current	: 356 A
L. R. Amperes	: 2741 A
LRC	: 7.7 Code J
No load current	: 170 A
Rated speed	: 1189 rpm
Slip	: 0.92 %
Rated torque	: 183 kgfm
Locked rotor torque	: 270 %
Pull up torque	: 230 %
Breakdown torque	: 300 %
Insulation class	: F
Service factor	: 1.00
Moment of inertia (J)	: 6.09 kgm²

Locked rotor time	: 10 s (hot) 18 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	: IP56
Cooling method	: IC411 - TEFC
Mounting	: B3R(D)
Rotation[1]	: Both
Noise level[2]	: 70 dB(A)
Starting method	: Direct On Line
Approx. weight[3]	: 1412 kg
Design	: A

Output	Start	50%	75%	100%
Efficiency (%)	-	95.4	95.8	95.8
Power Factor	0.39	0.63	0.75	0.81

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

	Drive end	Non drive end
Bearing type	NU-322-C3	6319-C3
Lubrication interval	7000 h	13000 h
Lubricant amount	60 g	45 g
Lubricant type	MOBIL POLYREX EM	

Foundation loads
Max. traction : 4037 kgf
Max. compression : 5449 kgf

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.

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
				16/07/2026

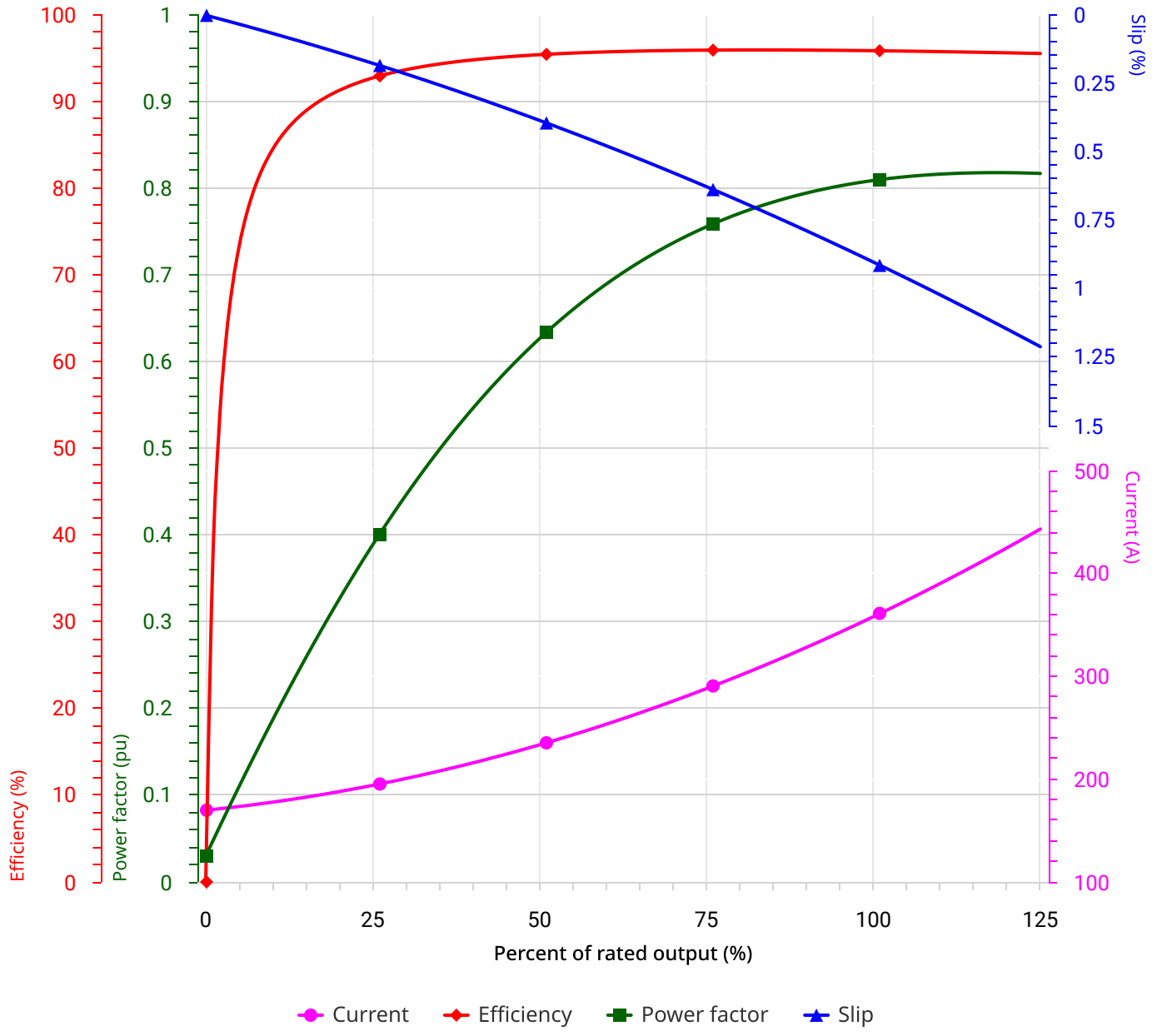
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LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage

Customer	:
Product line	: W22 - Nema Premium Efficiency
Product code	: 13500622



Performance	: 300 HP (220 kW) 460V 60Hz 6P 447/9T

Rated current	: 356 A	Moment of inertia (J)	: 6.09 kgm²
LRC	: 7.7 Code J	Duty cycle	: Cont.(S1)
Rated torque	: 183 kgfm	Insulation class	: F
Locked rotor torque	: 270 %	Service factor	: 1.00
Breakdown torque	: 300 %	Temperature rise	: 80 K
Rated speed	: 1189 rpm	Design	: A

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Performed by	jessica		12140/2016	
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