DATA SHEET

Single Phase Induction Motor - Squirrel Cage

Customer	:
Product line	: W22 Bomba JM

Frame	: 143/5JM	Locked rotor time	: 6 s (hot) 11 s (cold)
Output	: 1.5 HP (1.1 kW)	Duty cycle	: S1
Poles	: 4	Ambient temperature	: -20 °C to +40 °C
Frequency	: 60 Hz	Altitude	: 1000 m.a.s.l
Rated voltage	: 115/208-230 V	Protection degree	: IP55
Rated current	: 13.5/7.00-6.75 A	Cooling method	: IC411 - TEFC
L. R. Amperes	: 108/54.0 A	Mounting	: B34R(D)
LRC	: 8.0 Code K	Rotation[1]	: Both
No load current	: 4.60/2.30 A	Noise level[2]	: 58 dB(A)
Rated speed	: 1755 rpm	Starting method	: Direct On Line
Slip	: 2.50 %	Approx. weight[3]	: 28.0 kg
Rated torque	: 0.620 kgfm	Design	:
Locked rotor torque	: 260 %		
Pull up torque	: 220 %		
Breakdown torque	: 230 %		
Insulation class	: F		
Service factor	: 1.15		
Moment of inertia (J)	: 0.0069 kgm²		

Output	Start	50%	75%	100%
Efficiency (%)	-	65.0	73.0	77.0
Power Factor	0.94	0.90	0.92	0.92

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

	Drive end	Non drive end
Bearing type	6206-ZZ	6203-ZZ
Lubrication interval	-	-
Lubricant amount	-	-
Lubricant type	POLYUREA BASED GREASE	

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
				2026/11/12

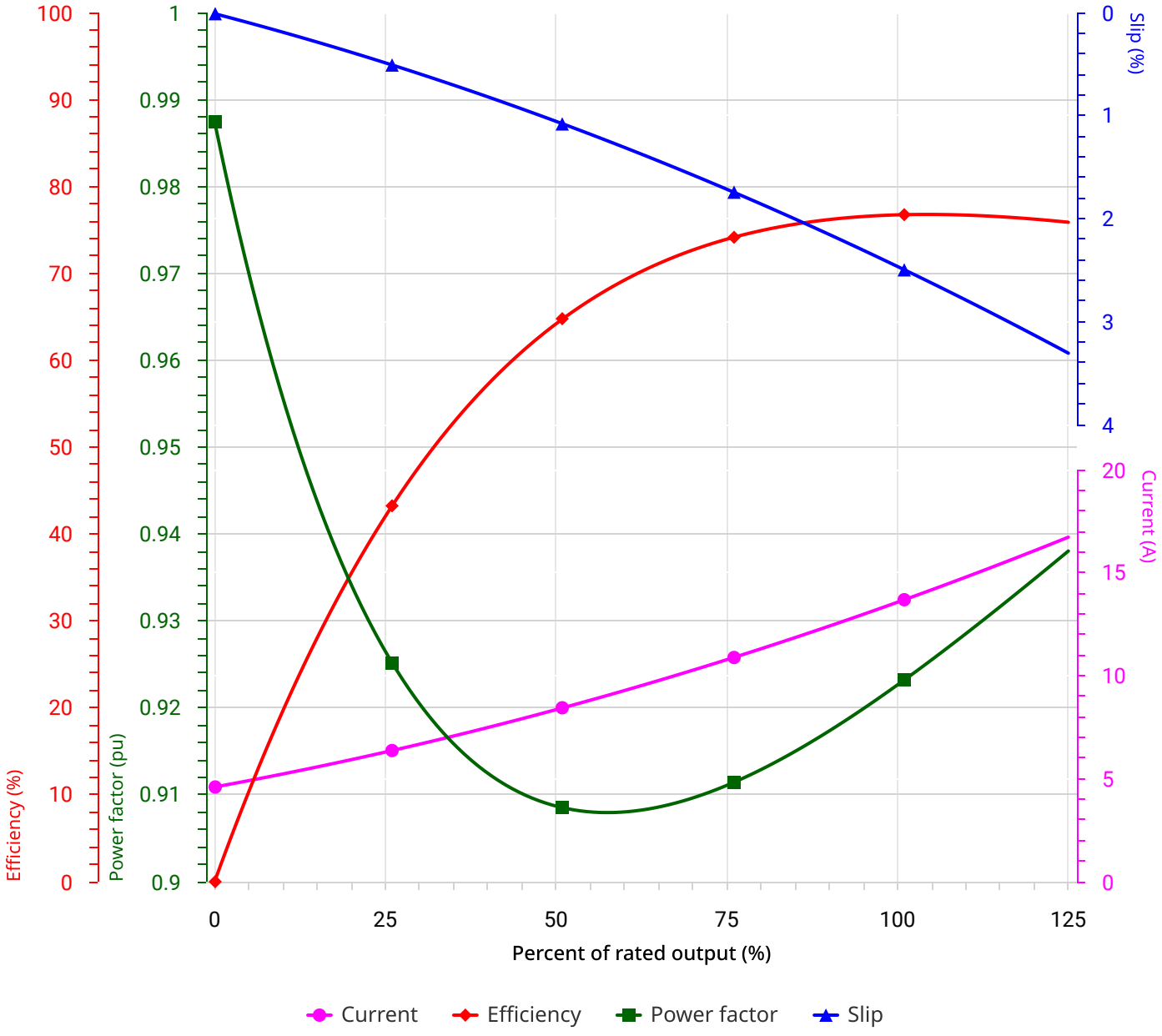
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LOAD PERFORMANCE CURVE

Single Phase Induction Motor - Squirrel Cage

Customer	:
Product line	: W22 Bomba JM



Performance	: 1.5 HP (1.1 kW) 115/208/230V 60Hz 4P 143/5JM

Rated current	: 13.5/7.00/6.75 A	Moment of inertia (J)	: 0.0069 kgm²
LRC	: 8.0 Code K	Duty cycle	: Cont.(S1)
Rated torque	: 0.620 kgfm	Insulation class	: F
Locked rotor torque	: 260 %	Service factor	: 1.15
Breakdown torque	: 230 %	Temperature rise	: 80 K
Rated speed	: 1755 rpm		

Rev.	Changes Summary	Performed	Checked	Date
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