DATA SHEET

Single Phase Induction Motor - Squirrel Cage

Customer :

Product line : W01 - TEFC - Standard Efficiency Jet Pump - Forma J
Product code : 14795711

Frame	: 56J
Output	: 3 HP (2.2 kW)
Poles	: 2
Frequency	: 60 Hz
Rated voltage	: 230 V
Rated current	: 12.7 A
L. R. Amperes	: 102 A
LRC	: 8.0 Code J
No load current	: 4.00 A
Rated speed	: 3490 rpm
Slip	: 3.06 %
Rated torque	: 0.624 kgfm
Locked rotor torque	: 210 %
Pull up torque	: 175 %
Breakdown torque	: 250 %
Insulation class	: F
Service factor	: 1.15
Moment of inertia (J)	: 0.004 kgm²

Locked rotor time	: 6 s (hot) 11 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]	: 68 dB(A)
Starting method	: Direct On Line
Approx. weight[3]	: 20.5 kg
Design	: L

Output	Start	50%	75%	100%
Efficiency (%)	-	76.0	79.0	80.0
Power Factor	0.82	0.86	0.92	0.94

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
				2026/11/17

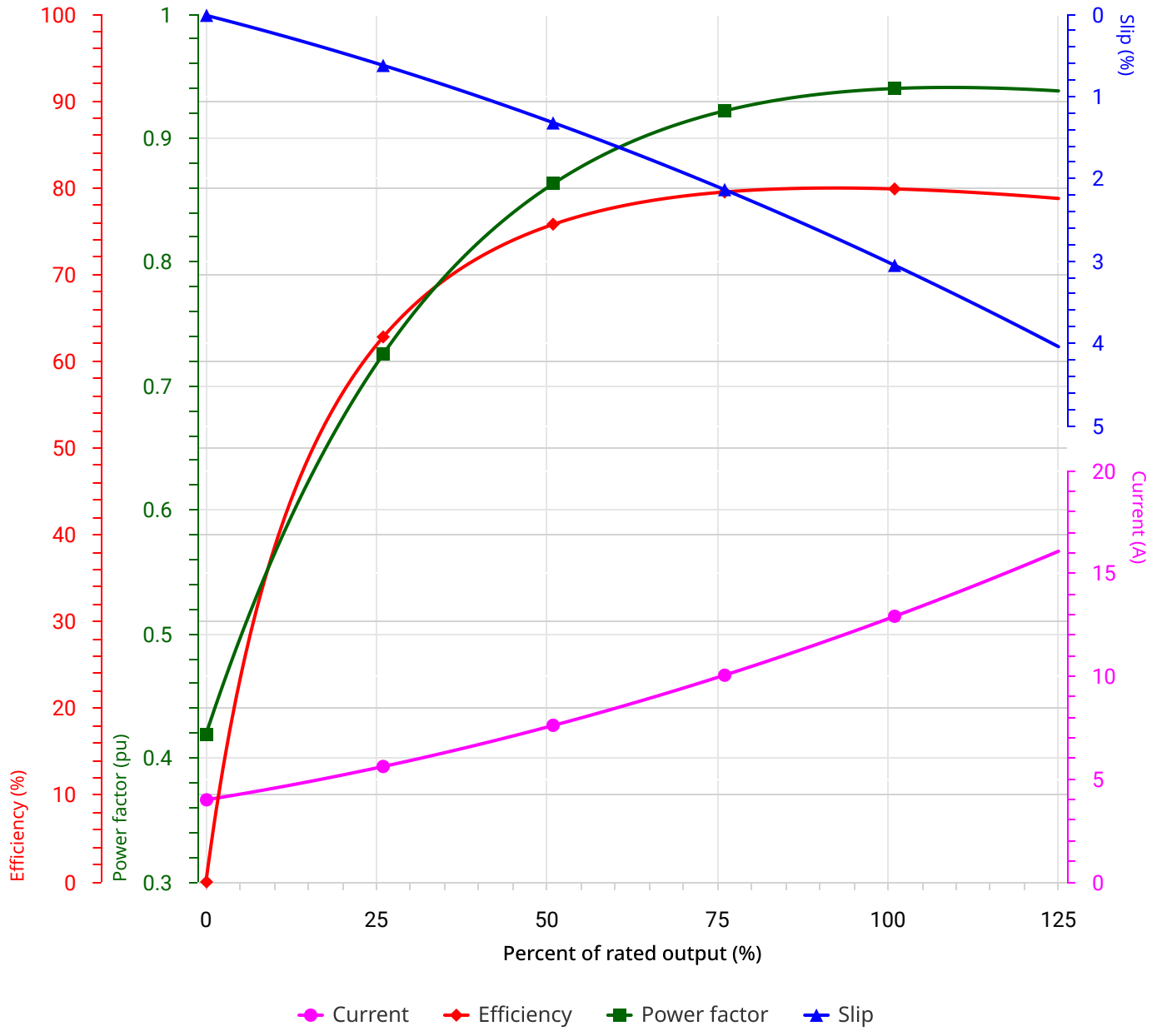
Performed by				
Checked by			Page	Revision
Date	2026/11/17		1/2	0

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

LOAD PERFORMANCE CURVE

Single Phase Induction Motor - Squirrel Cage

Customer	:
Product line	: W01 - TEFC - Standard Efficiency Jet Pump - Forma J
Product code	: 14795711



Performance	: 3 HP (2.2 kW) 230V 60Hz 2P 56J		
Rated current	: 12.7 A	Moment of inertia (J)	: 0.004 kgm²
LRC	: 8.0 Code J	Duty cycle	: Cont.(S1)
Rated torque	: 0.624 kgfm	Insulation class	: F
Locked rotor torque	: 210 %	Service factor	: 1.15
Breakdown torque	: 250 %	Temperature rise	: 80 K
Rated speed	: 3490 rpm	Design	: L

Rev.	Changes Summary	Performed	Checked	Date
				2026/11/17

Performed by				
Checked by			Page	Revision
Date	2026/11/17		2/2	0

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