DATA SHEET

Single Phase Induction Motor - Squirrel Cage

Customer	:

Product line	: Explosion Proof Motors - NEMA 56 - TEFC
Product code	: 10963957

Frame	: D56	Locked rotor time	: 6 s (hot) 11 s (cold)
Output	: 1 HP (0.75 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	: IP44
Rated current	: 11.4/6.00-5.70 A	Cooling method	: TEFC-XP
L. R. Amperes	: 61.6/30.8 A	Mounting	: B3R(D)
LRC	: 5.4 Code H	Rotation[1]	: Both
No load current	: 6.50/3.25 A	Noise level[2]	: 55 dB(A)
Rated speed	: 1740 rpm	Starting method	: Direct On Line
Slip	: 3.33 %	Approx. weight[3]	: 19.8 kg
Rated torque	: 0.417 kgfm	Design	:
Locked rotor torque	: 190 %		
Pull up torque	: 160 %		
Breakdown torque	: 210 %		
Insulation class	: B		
Service factor	: 1.15		
Moment of inertia (J)	: 0.006 kgm²		

Output	Start	50%	75%	100%
Efficiency (%)	-	72.1	74.7	74.9
Power Factor	0.00	0.56	0.68	0.75

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

	Drive end	Non drive end
Bearing type	6203-ZZ	6203-ZZ
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
				2026/10/26

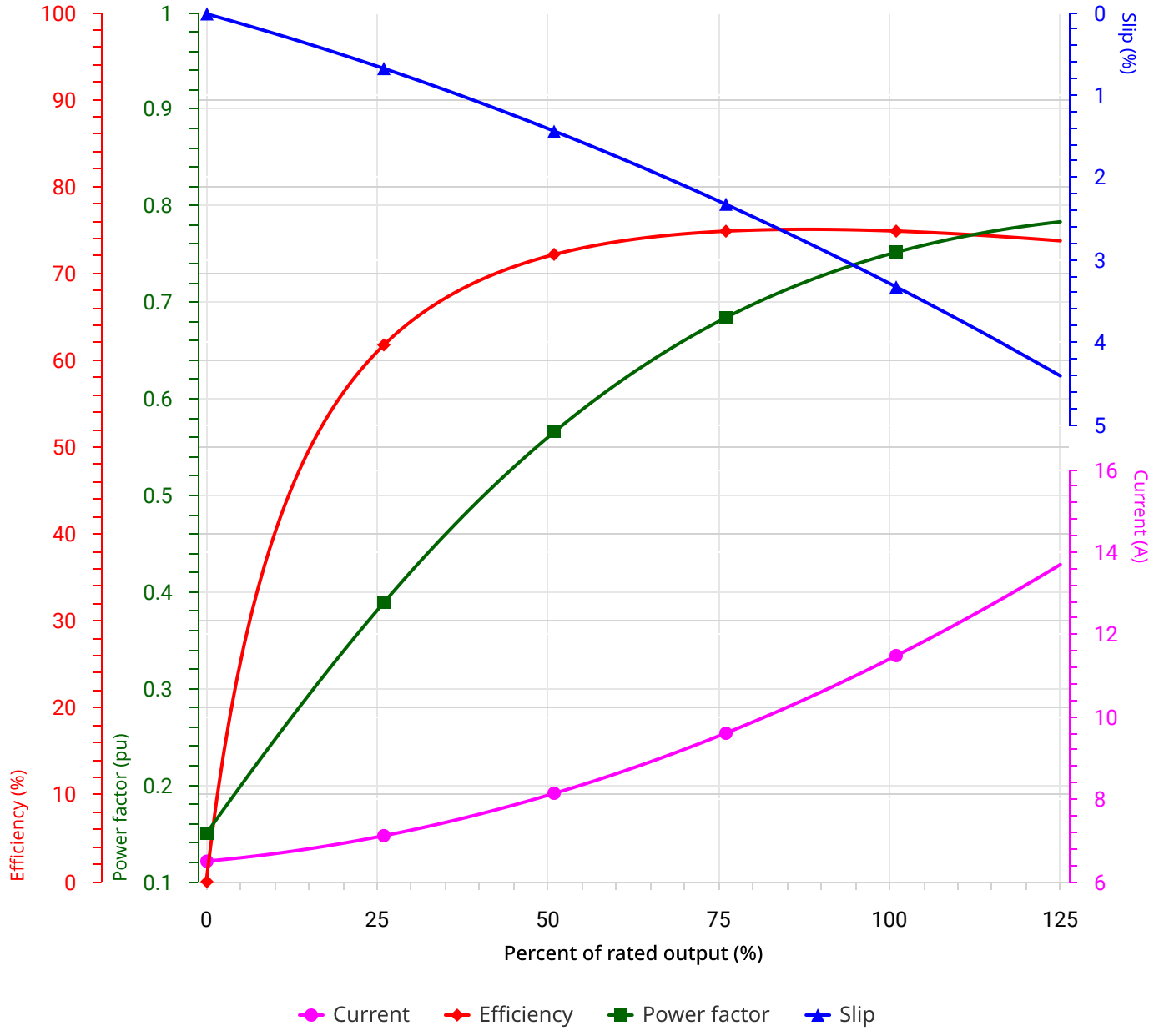
Performed by				
Checked by			Page	Revision
Date	2026/10/26		1/2	0

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	: Explosion Proof Motors - NEMA 56 - TEFC
Product code	: 10963957



Performance	: 1 HP (0.75 kW) 115/208/230V 60Hz 4P D56

Rated current	: 11.4/6.00/5.70 A	Moment of inertia (J)	: 0.006 kgm²
LRC	: 5.4 Code H	Duty cycle	: Cont.(S1)
Rated torque	: 0.417 kgfm	Insulation class	: B
Locked rotor torque	: 190 %	Service factor	: 1.15
Breakdown torque	: 210 %	Temperature rise	: 80 K
Rated speed	: 1740 rpm		

Rev.	Changes Summary	Performed	Checked	Date
				2026/10/26

Performed by				
Checked by			Page	Revision
Date	2026/10/26		2/2	0

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