DATA SHEET

Single Phase Induction Motor - Squirrel Cage

Customer :

Product line	: Rolled Steel Single-Phase	Product code :	19037927

Frame	: W56C	Locked rotor time	: 19s (cold) 11s (hot)
Output	: 0.5 HP (0.37 kW)	Temperature rise	: 80 K
Poles	: 2	Duty cycle	: Cont.(S1)
Frequency	: 60 Hz	Ambient temperature	: -20°C to +40°C
Rated voltage	: 115/208-230 V	Altitude	: 1000 m.a.s.l.
Rated current	: 4.78/2.64-2.39 A	Protection degree	: IP55
L. R. Amperes	: 40.6/22.4-20.3 A	Cooling method	: IC411 - TEFC
LRC	: 8.5x(Code L)	Mounting	: F-1
No load current	: 1.40/0.604-0.700 A	Rotation[1]	: Both (CW and CCW)
Rated speed	: 3510 rpm	Noise level[2]	: 66.0 dB(A)
Slip	: 2.50 %	Vibration	: A
Rated torque	: 0 kgfm	Starting method	: Direct On Line
Locked rotor torque	: 260 %	Approx. weight[3]	: 9.8 kg
Breakdown torque	: 300 %		: 207N (ISO 12944 - C2)
Insulation class	: F		: Munsell N 1 - Matte
Service factor	: 1.15	Design	: N
Moment of inertia (J)	: 0.0012 kgm²		

Output	50%	75%	100%
Efficiency (%)	64.0	70.0	74.0
Power Factor	0.85	0.88	0.91

Foundation loads

Max. traction	: 4 kgf
Max. compression	: 15 kgf

		Drive end	Non drive end
Bearing type	:	6203 ZZ	6202 ZZ
Sealing	:	V'Ring	Without Bearing Seal
Lubrication interval	:	-	-
Lubricant amount	:	-	-
Lubricant type	:	Mobil Polyrex EM	

Notes

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 +3dB(A).
(3) Approximate weight subject to changes 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.

Rev.	Changes Summary	Performed	Checked	Date

Performed by				
Checked by			Page	Revision
Date	08/10/2026		1 / 2	

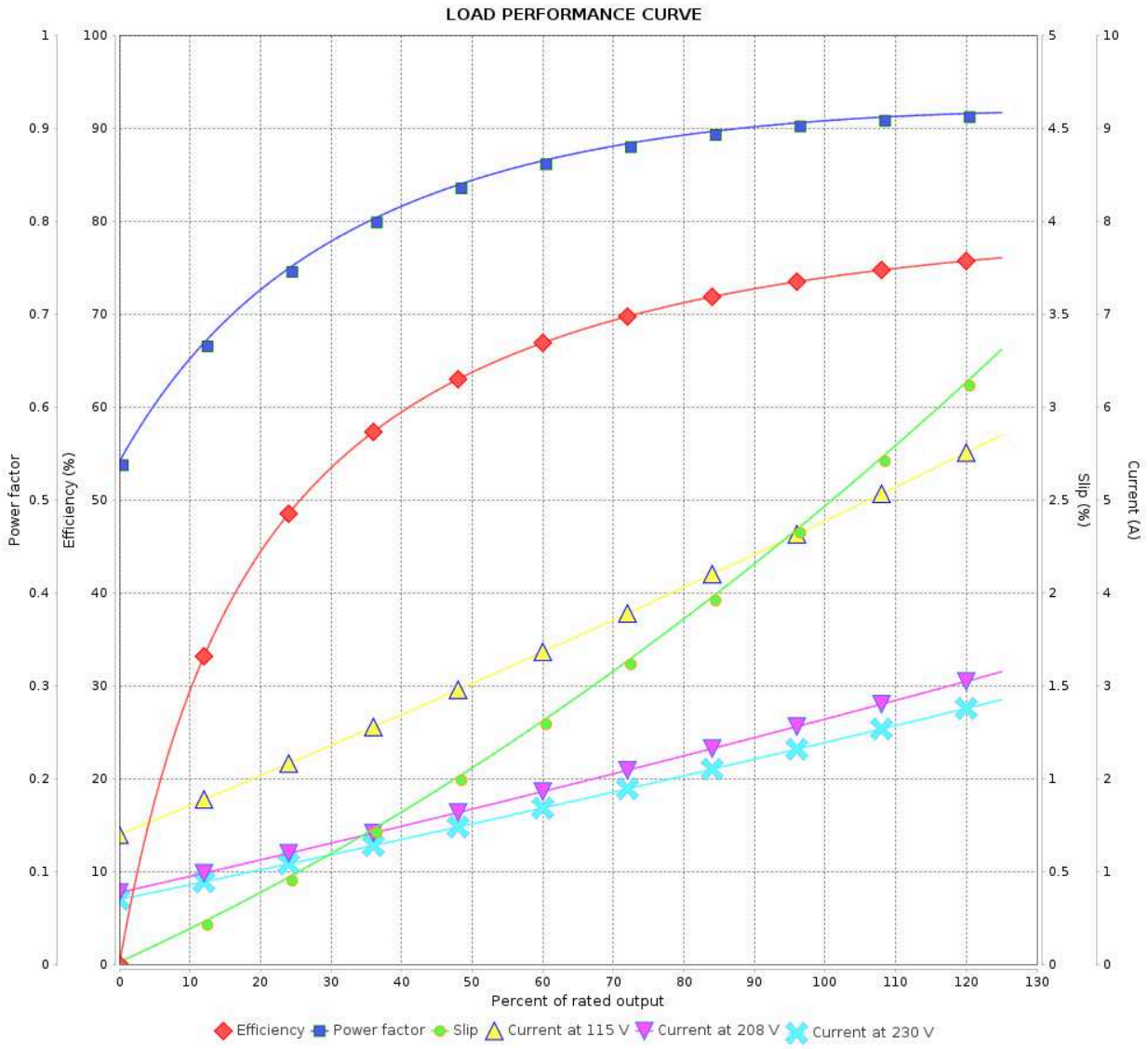
This document is exclusive property of WEG S/A. Reprinting is not allowed without written authorization of WEG S/A.
Subject to change without notice

LOAD PERFORMANCE CURVE

Single Phase Induction Motor - Squirrel Cage

Customer :

Product line : Rolled Steel Single-Phase Product code : 19037927

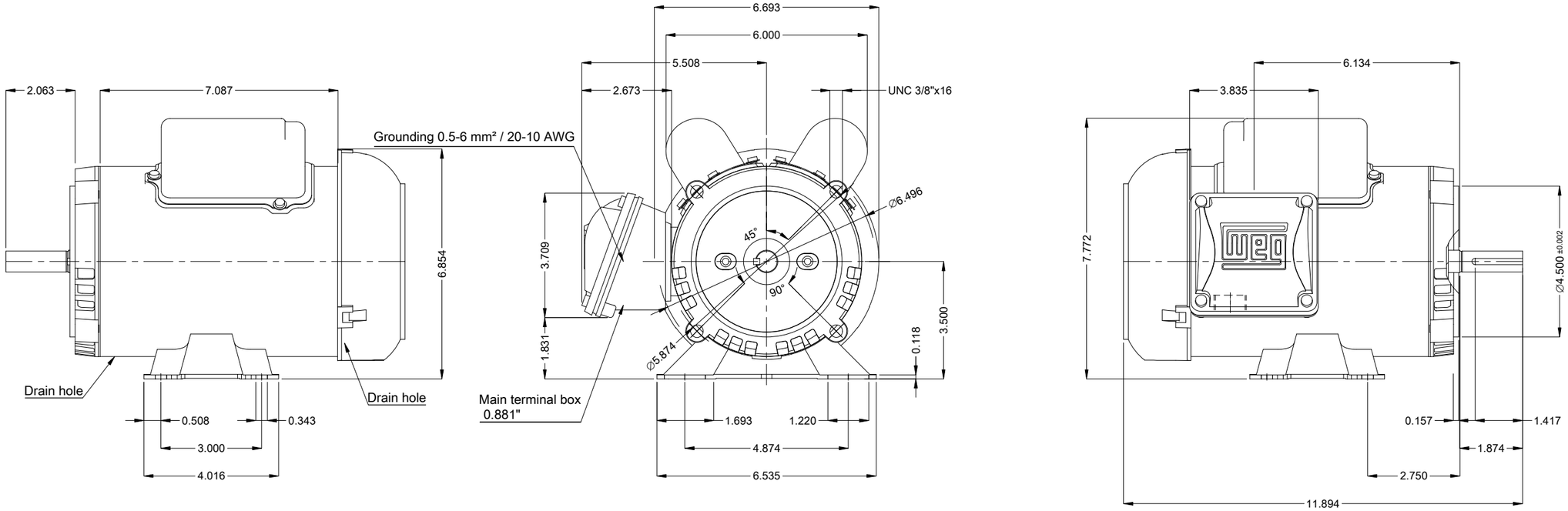


Performance	: 115/208-230 V 60 Hz 2P		
Rated current	: 4.78/2.64-2.39 A	Moment of inertia (J)	: 0.0012 kgm²
LRC	: 8.5	Duty cycle	: Cont.(S1)
Rated torque	: 0 kgfm	Insulation class	: F
Locked rotor torque	: 260 %	Service factor	:
Breakdown torque	: 300 %	Temperature rise	: 80 K
Rated speed	: 3510 rpm	Design	: N

Rev.	Changes Summary	Performed	Checked	Date

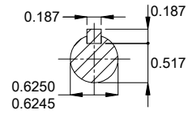
Performed by				
Checked by			Page	Revision
Date	08/10/2026		2 / 2	

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



Reinforce the foot with 2 mig welding spots	
Color Munsell N 1 matte black	
Painting plan 207N	
Mounting MARKET F-1/B34R(D)	
Mounting B34D	

DE Shaft End



0.5 HP 02 Poles 60 Hz

A

Scale 2 : 7

ECM	LOC	SUMMARY OF MODIFICATIONS	EXECUTED	CHECKED	RELEASED	DATE	VER
			HYBRISUSER				00

EXECUTED	HYBRISUSER
CHECKED	
RELEASED	
REL. DATE	

SINGLE PH. MOTOR ROLLED STEEL PREM. EFF.
FRAME W56C IP55 TEFC

PREVIEW

WDD 00

SHEET 1 / 1

Dimensions in inches

A3

WEG's property. Forbidden reproduction without previous authorization.