DATA SHEET

Single Phase Induction Motor - Squirrel Cage

Customer	:

Product line	: Single-Phase	Product code :	13988325

Frame	: 56H	Cooling method	: IC411 - TEFC
Insulation class	: F	Mounting	: F-1
Duty cycle	: Cont.(S1)	Rotation[1]	: Both (CW and CCW)
Ambient temperature	: -20°C to +40°C	Starting method	: Direct On Line
Altitude	: 1000 m.a.s.l.	Approx. weight[3]	: 21.9 kg
Protection degree	: IP55	Moment of inertia (J)	: 0.0082 kgm²
Design	: L		

Output [HP]		1
Poles		6
Frequency [Hz]		60
Rated voltage [V]		115/208-230
Rated current [A]		11.0/6.08-5.50
L. R. Amperes [A]		67.1/37.1-33.5
LRC [A]		6.1x(Code J)
No load current [A]		5.60/2.41-2.80
Rated speed [RPM]		1165
Slip [%]		2.92
Rated torque [kgfm]		0.623
Locked rotor torque [%]		180
Breakdown torque [%]		200
Service factor		
Temperature rise		80 K
Locked rotor time		23s (cold) 13s (hot)
Noise level[2]		54.0 dB(A)
Efficiency (%)	25%	
	50%	64.0
	75%	71.0
	100%	73.0
Power Factor	25%	
	50%	0.68
	75%	0.77
	100%	0.81

		Drive end	Non drive end
Bearing type	:	6204 ZZ	6202 ZZ
Sealing	:	V'Ring	V'Ring
Lubrication interval	:	-	-
Lubricant amount	:	-	-
Lubricant type	:	Mobil Polyrex EM	

Foundation loads

Max. traction : 28 kgf

Max. compression : 50 kgf

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

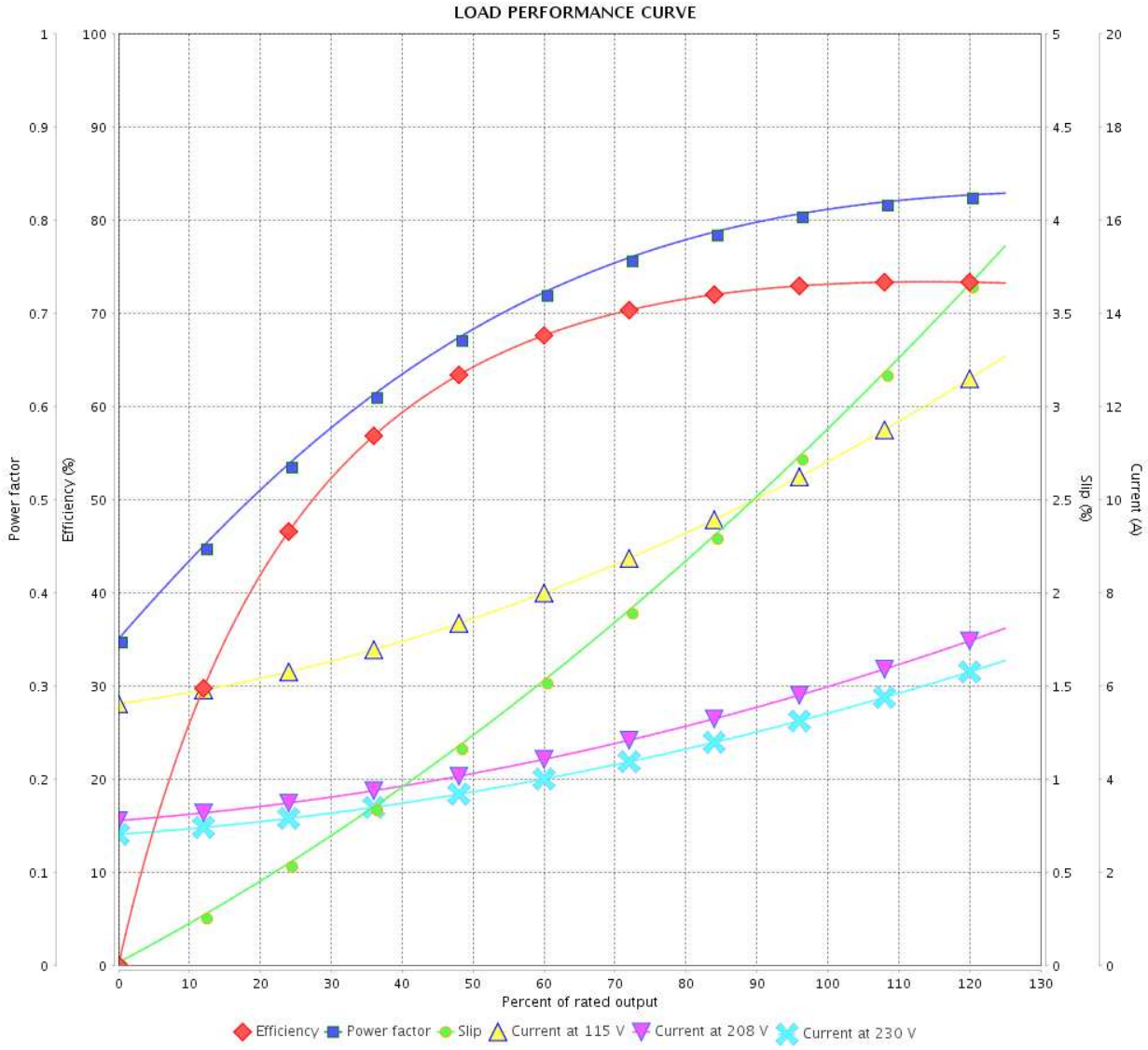
Performed by				
Checked by			Page	Revision
Date	11/05/2022		1 / 2	

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	: Single-Phase	Product code :	13988325

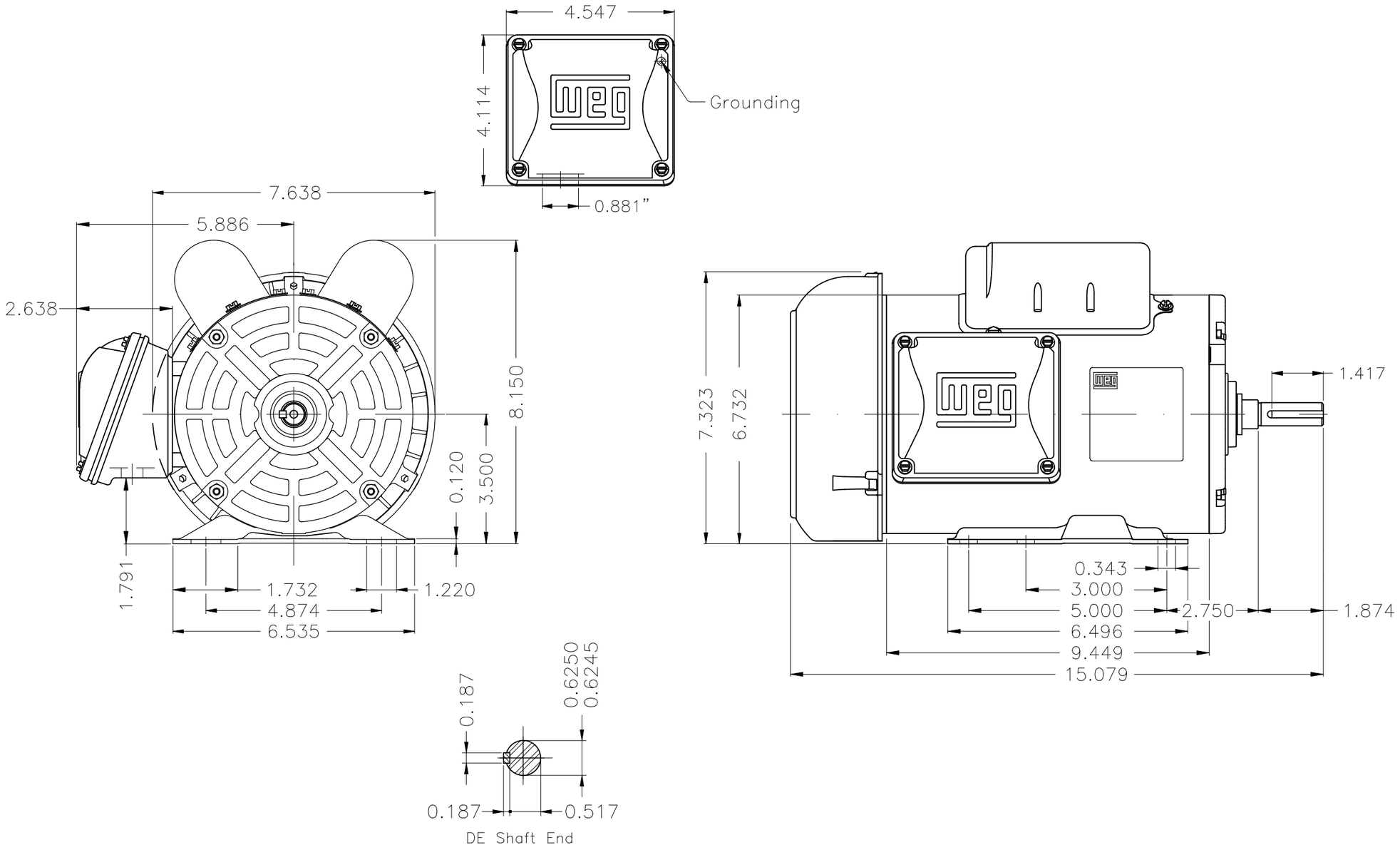


Performance	: 115/208-230 V 60 Hz 6P		
Rated current	: 11.0/6.08-5.50 A	Moment of inertia (J)	: 0.0082 kgm²
LRC	: 6.1	Duty cycle	: Cont.(S1)
Rated torque	: 0.623 kgfm	Insulation class	: F
Locked rotor torque	: 180 %	Service factor	:
Breakdown torque	: 200 %	Temperature rise	: 80 K
Rated speed	: 1165 rpm	Design	: L

Rev.	Changes Summary	Performed	Checked	Date

Performed by				
Checked by			Page	Revision
Date	11/05/2022		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



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

Color Munsell N 1 matte black

Painting plan 207N

Mounting F-1/B3R(D)

EXECUTED	HYBRISUSER	SINGLE PH. MOTOR ROLLED STEEL FRAME 56H IP55 TEFC	PREVIEW
CHECKED			WDD 00
RELEASED			
REL. DATE		WMO Jaragua do Sul Product Engineering	SHEET 1 / 1

1 HP 06 Poles 60 Hz

A

Dimensions in inches

XME A3

WEG's property. Forbidden reproduction without previous authorization.