DATA SHEET

Three Phase Induction Motor - Squirrel Cage

Customer	:

Product line	: JM Pump NEMA Premium Efficiency Three-Phase	Product code :	13942739

Frame	: 143/5JM	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]	: 23.3 kg
Protection degree	: IP55	Moment of inertia (J)	: 0.0070 kgm²
Design	: B		

Output [HP]		3
Poles		2
Frequency [Hz]		60
Rated voltage [V]		575
Rated current [A]		2.81
L. R. Amperes [A]		26.7
LRC [A]		9.5x(Code K)
No load current [A]		1.02
Rated speed [RPM]		3500
Slip [%]		2.78
Rated torque [kgfm]		0.622
Locked rotor torque [%]		300
Breakdown torque [%]		380
Service factor		1.15
Temperature rise		80 K
Locked rotor time		18s (cold) 10s (hot)
Noise level[2]		68.0 dB(A)
Efficiency (%)	25%	
	50%	84.0
	75%	86.5
	100%	86.5
Power Factor	25%	
	50%	0.78
	75%	0.87
	100%	0.91

		Drive end	Non drive end
Bearing type	:	6206 ZZ	6203 ZZ
Sealing	:	V'Ring	Without Bearing Seal
Lubrication interval	:	-	-
Lubricant amount	:	-	-
Lubricant type	:	Mobil Polyrex EM	

Foundation loads

Max. traction : 56 kgf

Max. compression : 79 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

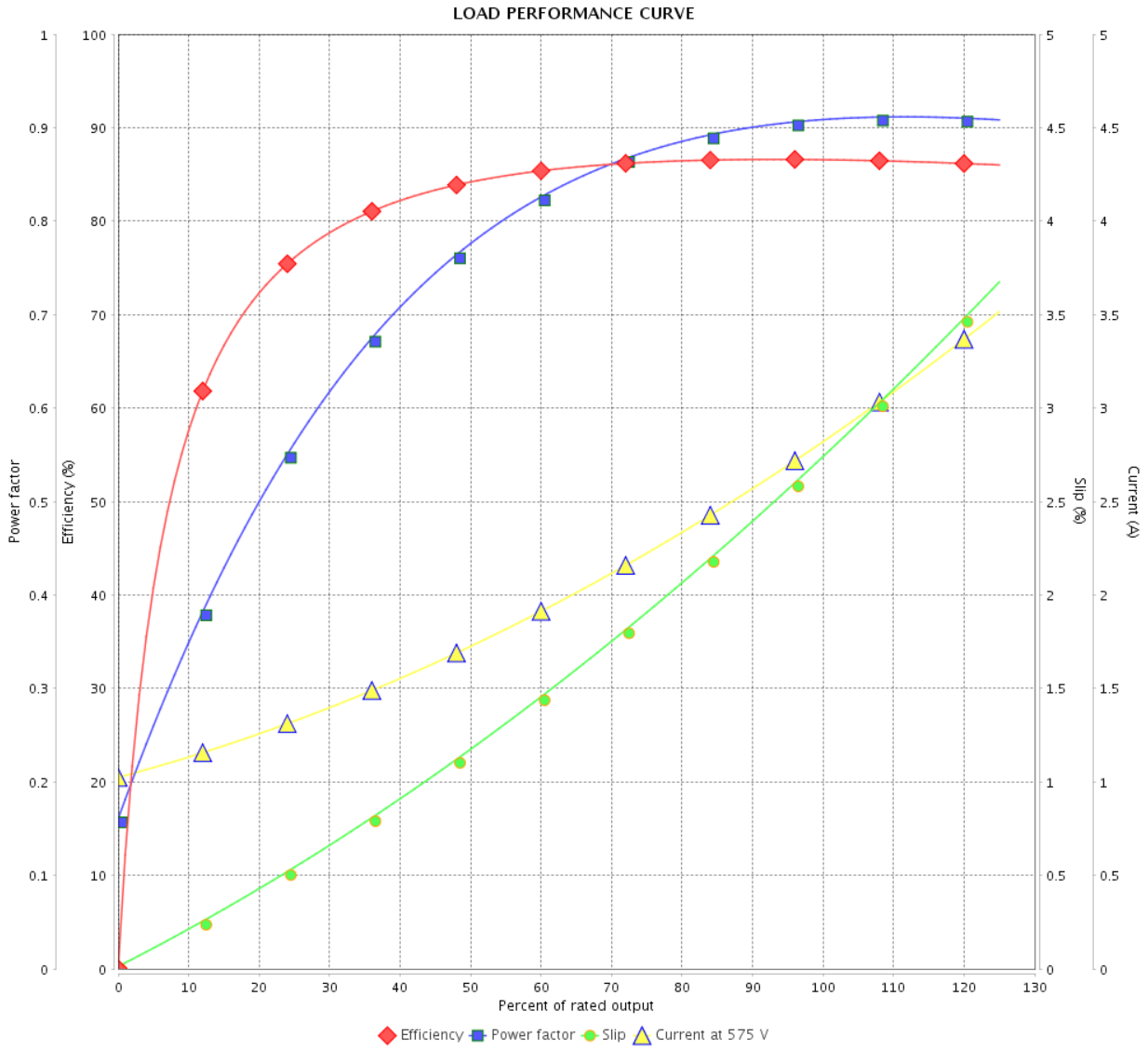
Performed by				
Checked by			Page	Revision
Date	11/05/2022		1 / 2	

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

Three Phase Induction Motor - Squirrel Cage

Customer	:		
Product line	: JM Pump NEMA Premium Efficiency Three-Phase	Product code :	13942739

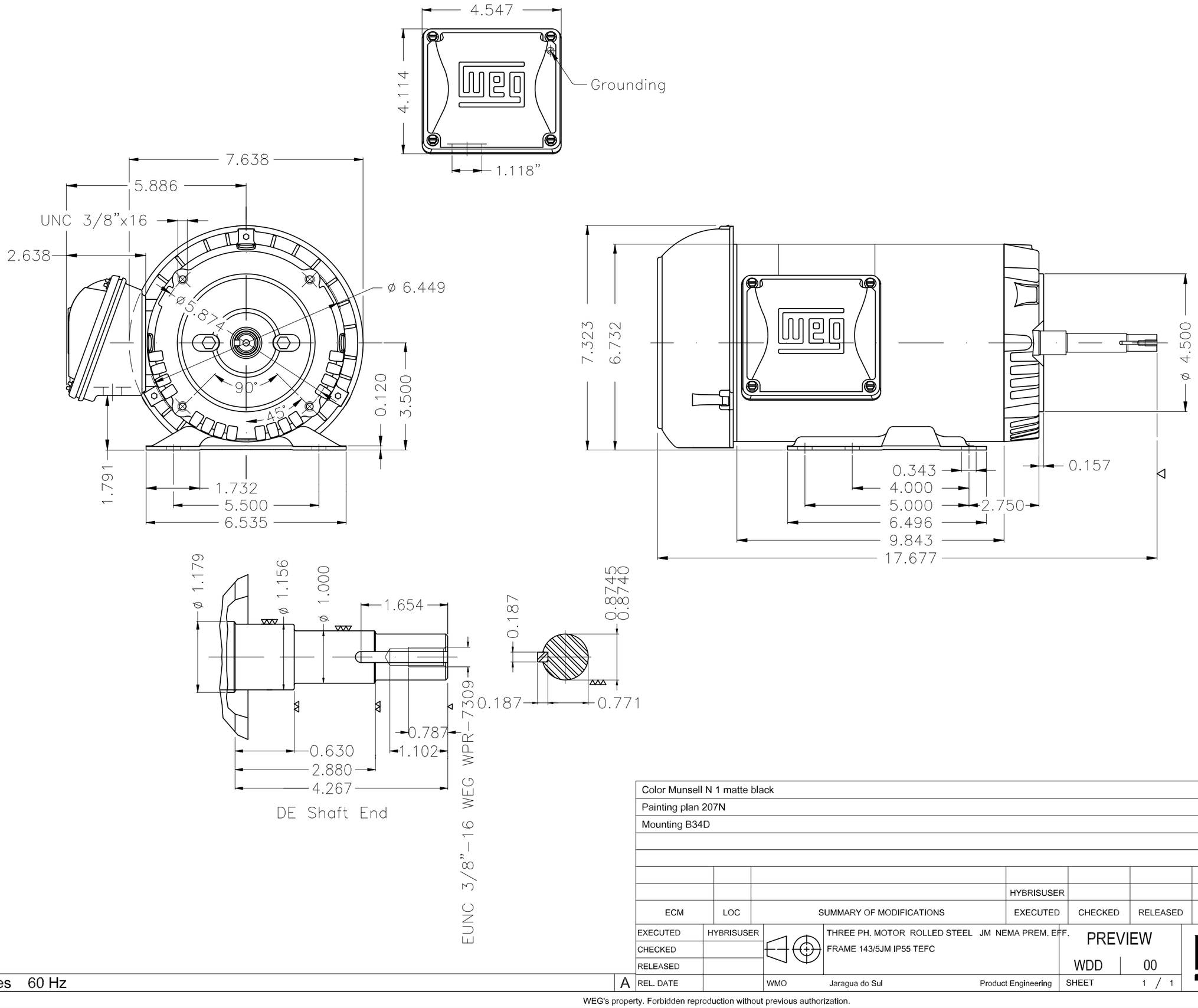


Performance	: 575 V 60 Hz 2P		
Rated current	: 2.81 A	Moment of inertia (J)	: 0.0070 kgm²
LRC	: 9.5	Duty cycle	: Cont.(S1)
Rated torque	: 0.622 kgfm	Insulation class	: F
Locked rotor torque	: 300 %	Service factor	: 1.15
Breakdown torque	: 380 %	Temperature rise	: 80 K
Rated speed	: 3500 rpm	Design	: B

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



Color Munsell N 1 matte black

Painting plan 207N

Mounting B34D

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

EXECUTED	HYBRISUSER	THREE PH. MOTOR ROLLED STEEL JM NEMA PREM. EFF. FRAME 143/5JM IP55 TEFC	PREVIEW
CHECKED			WDD 00
RELEASED			
REL. DATE		WMO Jaragua do Sul Product Engineering	SHEET 1 / 1

3 HP 02 Poles 60 Hz

A

Dimensions in inches

XME A3

WEG's property. Forbidden reproduction without previous authorization.