DATA SHEET

Three Phase Induction Motor - Squirrel Cage

Customer	:

Product line	: Standard Efficiency Three-Phase	Product code :	13880823

Frame	: W56C	Cooling method	: IC411 - TEFC
Insulation class	: F	Mounting	: F-1
Duty cycle	: Cont.(S1)	Rotation¹	: Both (CW and CCW)
Ambient temperature	: -20°C to +40°C	Starting method	: Direct On Line
Altitude	: 1000 m.a.s.l.	Approx. weight³	: 7.3 kg
Protection degree	: IP55	Moment of inertia (J)	: 0.0013 kgm²

Output [HP]		0.33
Poles		4
Frequency [Hz]		60
Rated voltage [V]		575
Rated current [A]		0.527
L. R. Amperes [A]		2.85
LRC [A]		5.4x(Code K)
No load current [A]		0.426
Rated speed [RPM]		1730
Slip [%]		3.89
Rated torque [kgfm]		0.138
Locked rotor torque [%]		229
Breakdown torque [%]		270
Service factor		1.15
Temperature rise		80 K
Locked rotor time		37s (cold) 21s (hot)
Noise level²		50.0 dB(A)
Efficiency (%)	25%	
	50%	57.5
	75%	64.0
	100%	68.0
Power Factor	25%	
	50%	0.48
	75%	0.60
	100%	0.70

		Drive end	Non drive end
Bearing type	:	6203 ZZ	6202 ZZ
Sealing	:	V'Ring	V'Ring
Lubrication interval	:	-	-
Lubricant amount	:	-	-
Lubricant type	:	Mobil Polyrex EM	

Foundation loads

Max. traction : 8 kgf

Max. compression : 15 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.

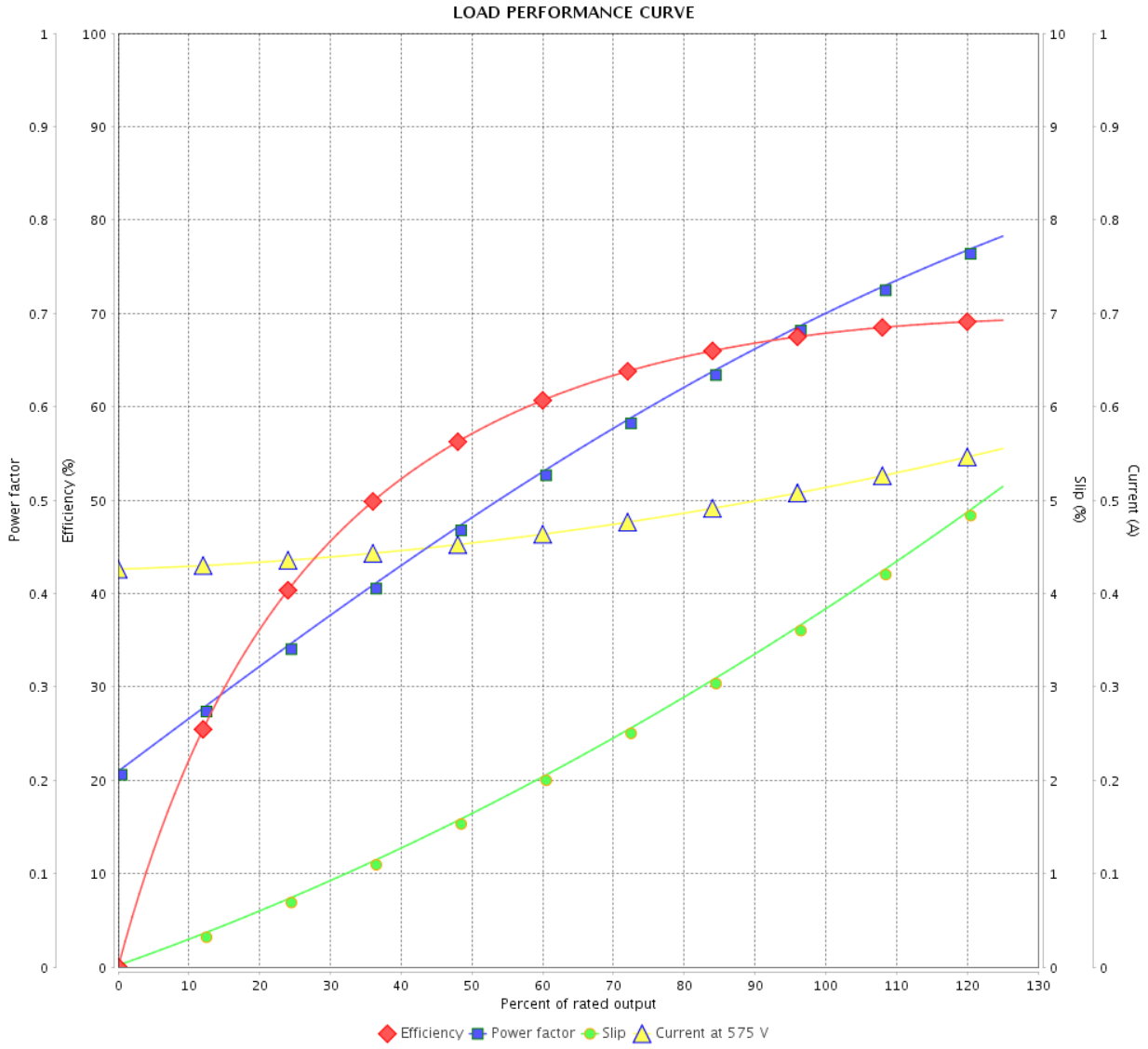
Rev.	Changes Summary	Performed	Checked	Date

Performed by				
Checked by			Page	Revision
Date	13/05/2022		1 / 2	

LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage

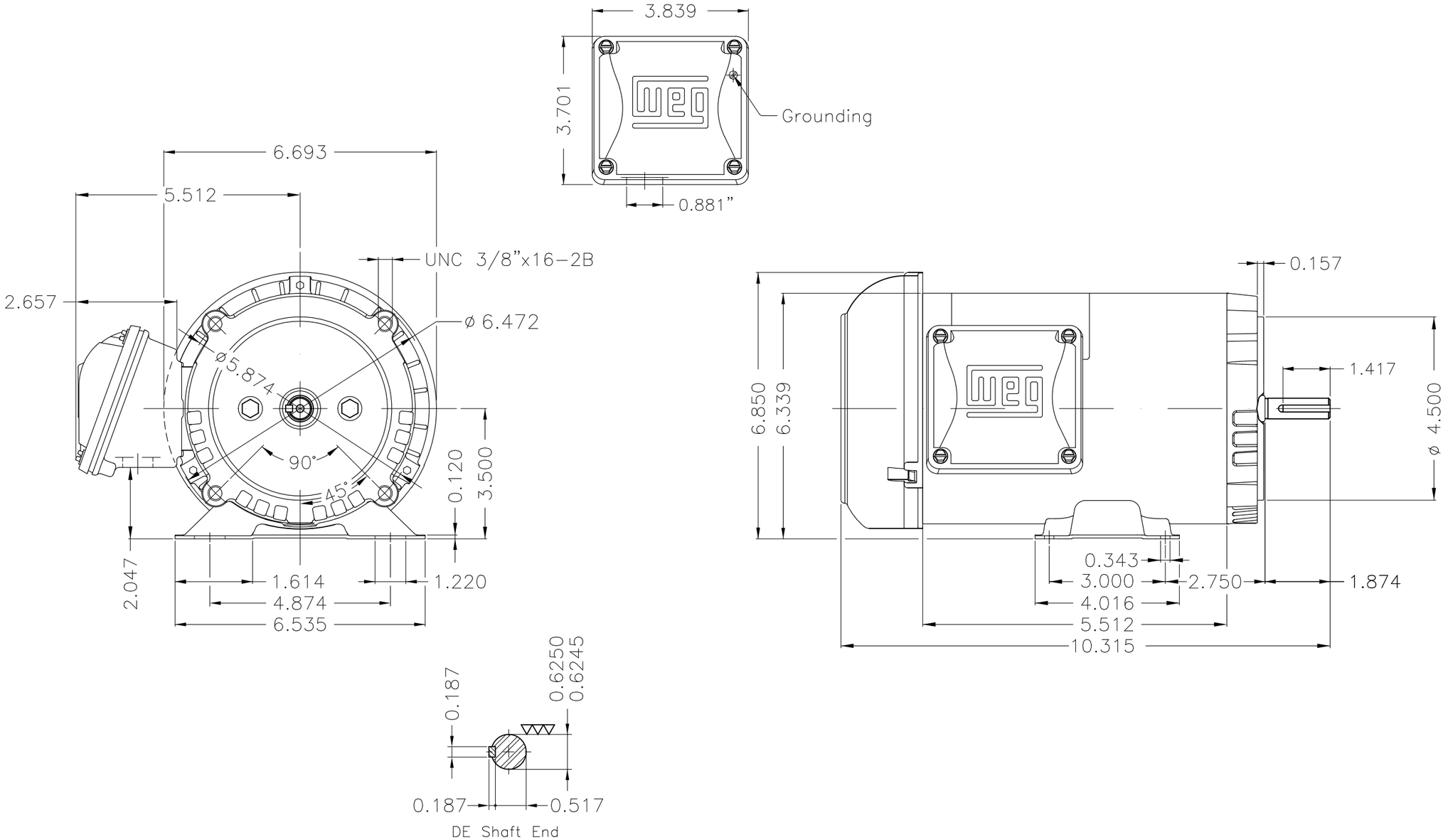
Customer	:		
Product line	: Standard Efficiency Three-Phase	Product code :	13880823



Performance	: 575 V 60 Hz 4P		
Rated current	: 0.527 A	Moment of inertia (J)	: 0.0013 kgm²
LRC	: 5.4	Duty cycle	: Cont.(S1)
Rated torque	: 0.138 kgfm	Insulation class	: F
Locked rotor torque	: 229 %	Service factor	: 1.15
Breakdown torque	: 270 %	Temperature rise	: 80 K
Rated speed	: 1730 rpm		

Rev.	Changes Summary	Performed	Checked	Date

Performed by				
Checked by			Page	Revision
Date	13/05/2022		2 / 2	



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

Color Munsell N 1 matte black

Painting plan 207N

Mounting F-1/B34R(D)

EXECUTED	HYBRISUSER	THREE PH. MOTOR ROLLED STEEL	PREVIEW
CHECKED		FRAME W56C IP55 TEFC	WDD 00
RELEASED			
REL. DATE		WMO Jaragua do Sul Product Engineering	SHEET 1 / 1

0.33 HP 04 Poles 60 Hz

A

Dimensions in inches

XME A3