DATA SHEET

Three Phase Induction Motor - Squirrel Cage

Customer :

Product line : Standard Efficiency Three-Phase Product code : 12894698

Frame	: 56C	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]	: 8.5 kg
Protection degree	: IP55	Moment of inertia (J)	: 0.0019 kgm²

Output [HP]		0.25	0.25	0.25
Poles		4	4	4
Frequency [Hz]		60	50	50
Rated voltage [V]		208-230/460	190/380	220/415
Rated current [A]		1.15-1.04/0.521	1.13/0.564	1.08/0.573
L. R. Amperes [A]		7.26-6.56/3.28	5.98/2.99	6.05/3.21
LRC [A]		6.3x(Code M)	5.3x(Code J)	5.6x(Code K)
No load current [A]		0.776-0.900/0.450	0.844/0.422	0.864/0.458
Rated speed [RPM]		1765	1455	1460
Slip [%]		1.94	3.00	2.67
Rated torque [kgfm]		0.103	0.125	0.124
Locked rotor torque [%]		240	180	200
Breakdown torque [%]		300	280	310
Service factor			1.15	1.15
Temperature rise		80 K	80 K	80 K
Locked rotor time		68s (cold) 38s (hot)	72s (cold) 40s (hot)	68s (cold) 38s (hot)
Noise level[2]		52.0 dB(A)	49.0 dB(A)	49.0 dB(A)
Efficiency (%)	25%	54.4	56.7	54.5
	50%	57.5	59.3	57.4
	75%	66.0	66.2	65.0
	100%	70.0	69.3	68.7
Power Factor	25%	0.24	0.28	0.26
	50%	0.43	0.50	0.46
	75%	0.54	0.61	0.57
	100%	0.62	0.70	0.66

		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	

Foundation loads

Max. traction : 8 kgf

Max. compression : 16 kgf

Notes

USABLE @208V SF 1.00

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.

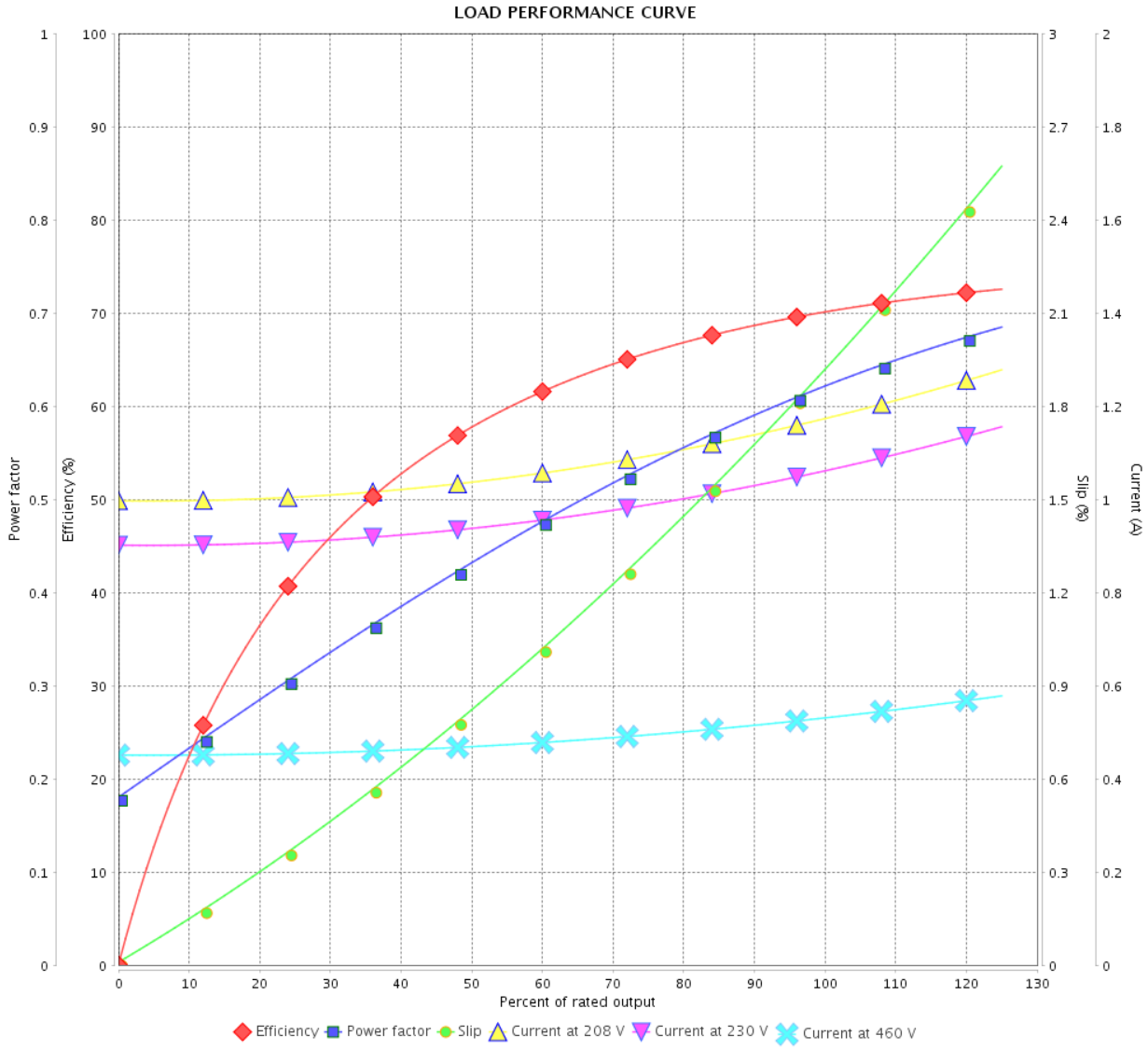
Rev.	Changes Summary	Performed	Checked	Date

Performed by				
Checked by			Page	Revision
Date	13/05/2022		1 / 4	

LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage

Customer	:		
Product line	: Standard Efficiency Three-Phase	Product code :	12894698



Performance	: 208-230/460 V 60 Hz 4P		
Rated current	: 1.15-1.04/0.521 A	Moment of inertia (J)	: 0.0019 kgm²
LRC	: 6.3	Duty cycle	: Cont.(S1)
Rated torque	: 0.103 kgfm	Insulation class	: F
Locked rotor torque	: 240 %	Service factor	:
Breakdown torque	: 300 %	Temperature rise	: 80 K
Rated speed	: 1765 rpm		

Rev.	Changes Summary	Performed	Checked	Date

Performed by				
Checked by			Page	Revision
Date	13/05/2022		2 / 4	

LOAD PERFORMANCE CURVE

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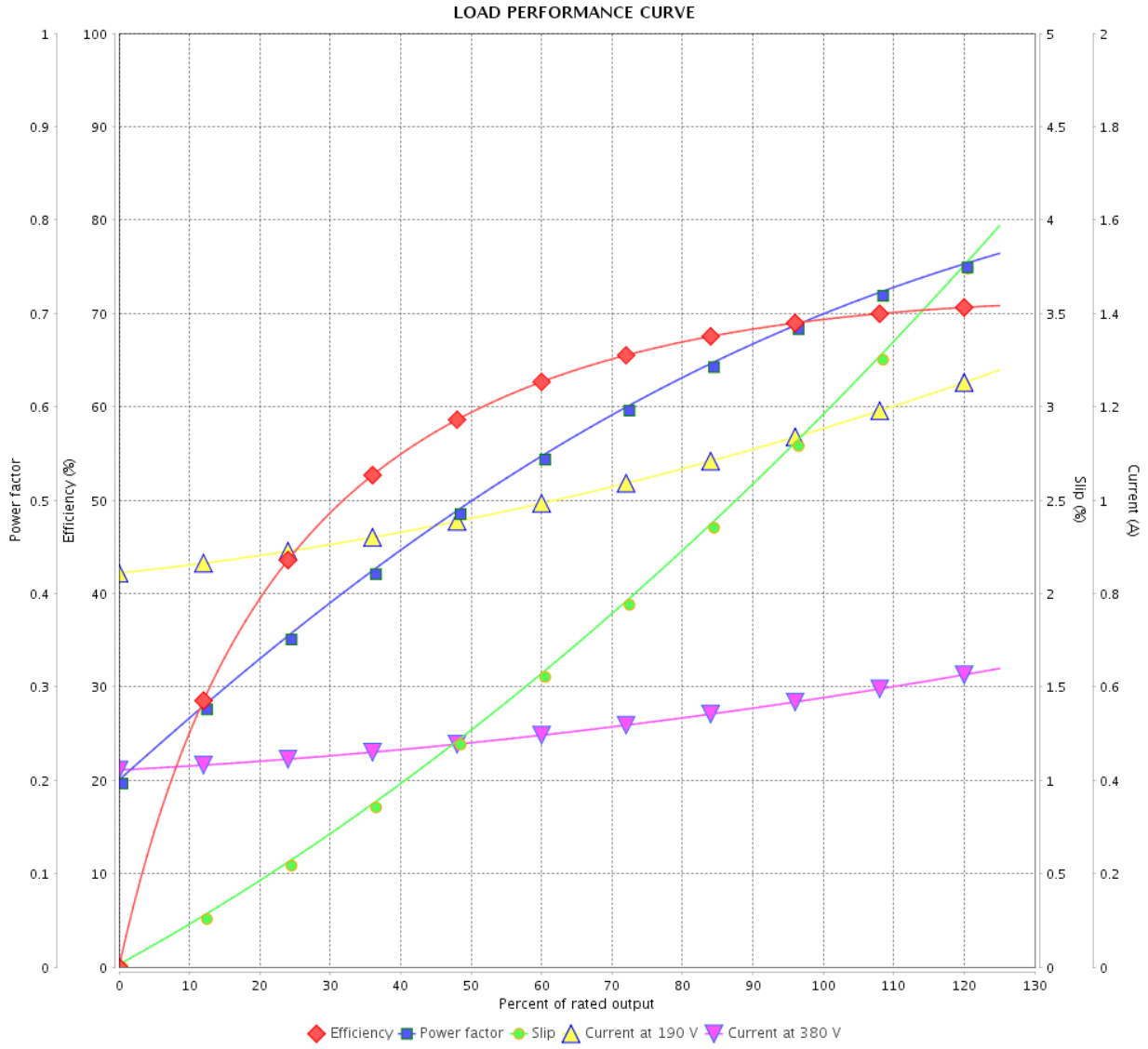

Performance	: 190/380 V 50 Hz 4P		
Rated current	: 1.13/0.564 A	Moment of inertia (J)	: 0.0019 kgm²
LRC	: 5.3	Duty cycle	: Cont.(S1)
Rated torque	: 0.125 kgfm	Insulation class	: F
Locked rotor torque	: 180 %	Service factor	: 1.15
Breakdown torque	: 280 %	Temperature rise	: 80 K
Rated speed	: 1455 rpm		

Rev.	Changes Summary	Performed	Checked	Date

Performed by				
Checked by			Page	Revision
Date	13/05/2022		3 / 4	

LOAD PERFORMANCE CURVE

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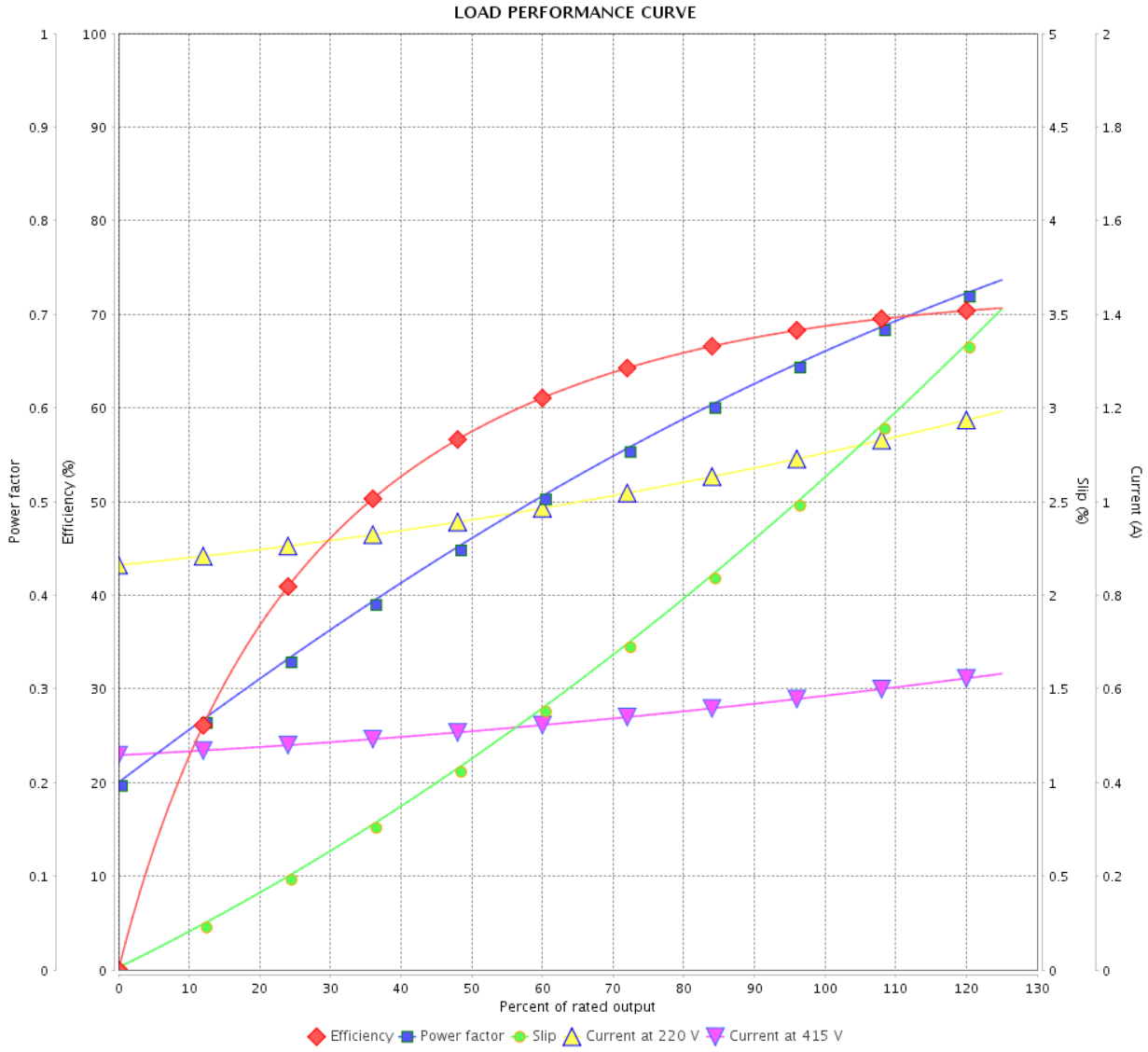
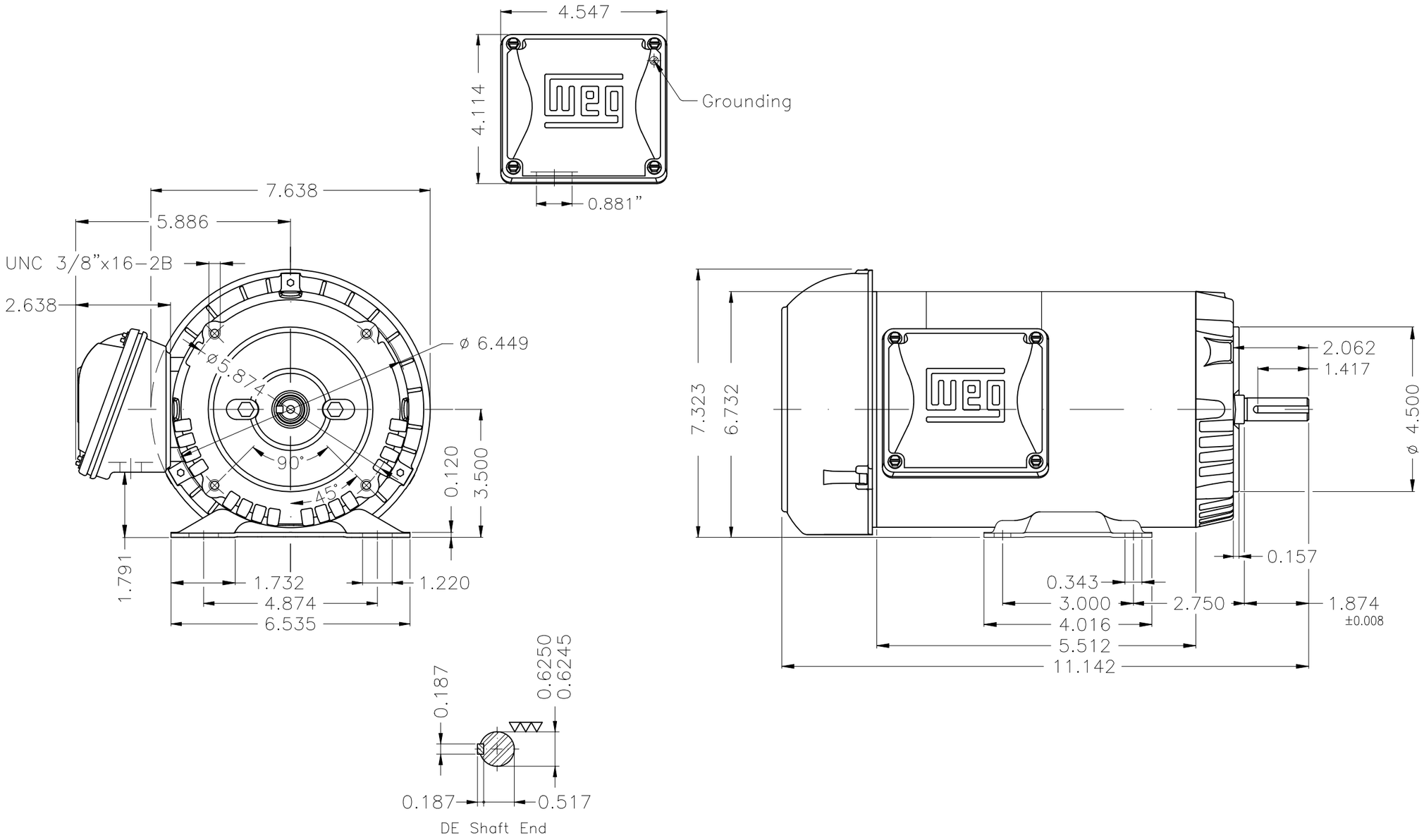


Performance	: 220/415 V 50 Hz 4P		
Rated current	: 1.08/0.573 A	Moment of inertia (J)	: 0.0019 kgm²
LRC	: 5.6	Duty cycle	: Cont.(S1)
Rated torque	: 0.124 kgfm	Insulation class	: F
Locked rotor torque	: 200 %	Service factor	: 1.15
Breakdown torque	: 310 %	Temperature rise	: 80 K
Rated speed	: 1460 rpm		

Rev.	Changes Summary	Performed	Checked	Date

Performed by				
Checked by			Page	Revision
Date	13/05/2022		4 / 4	



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	PREVIEW
CHECKED		FRAME 56C IP55 TEFC	WDD 00
RELEASED			
REL. DATE		WMO Jaragua do Sul Product Engineering	SHEET 1 / 1

0.25 HP 04 Poles 60 Hz

A

Dimensions in inches

XME A3