DATA SHEET

Three Phase Induction Motor - Squirrel Cage

Customer	:

Product line	: NEMA Premium Efficiency Three-Phase	Product code :	12795529

Frame	: 182/4T	Cooling method	: IC01 - ODP
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]	: 31.1 kg
Design	: B	Moment of inertia (J)	: 0.0118 kgm²

Output [HP]		2
Poles		6
Frequency [Hz]		60
Rated voltage [V]		575
Rated current [A]		2.36
L. R. Amperes [A]		15.6
LRC [A]		6.6x(Code J)
No load current [A]		1.37
Rated speed [RPM]		1165
Slip [%]		2.92
Rated torque [kgfm]		1.25
Locked rotor torque [%]		200
Breakdown torque [%]		300
Service factor		1.15
Temperature rise		80 K
Locked rotor time		59s (cold) 33s (hot)
Noise level[2]		52.0 dB(A)
Efficiency (%)	25%	84.4
	50%	85.5
	75%	86.5
	100%	87.5
Power Factor	25%	0.30
	50%	0.53
	75%	0.66
	100%	0.73

		Drive end	Non drive end
Bearing type	:	6206 ZZ	6205 ZZ
Sealing	:	Without Bearing Seal	Without Bearing Seal
Lubrication interval	:	-	-
Lubricant amount	:	-	-
Lubricant type	:	Mobil Polyrex EM	

Foundation loads

Max. traction : 62 kgf

Max. compression : 94 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

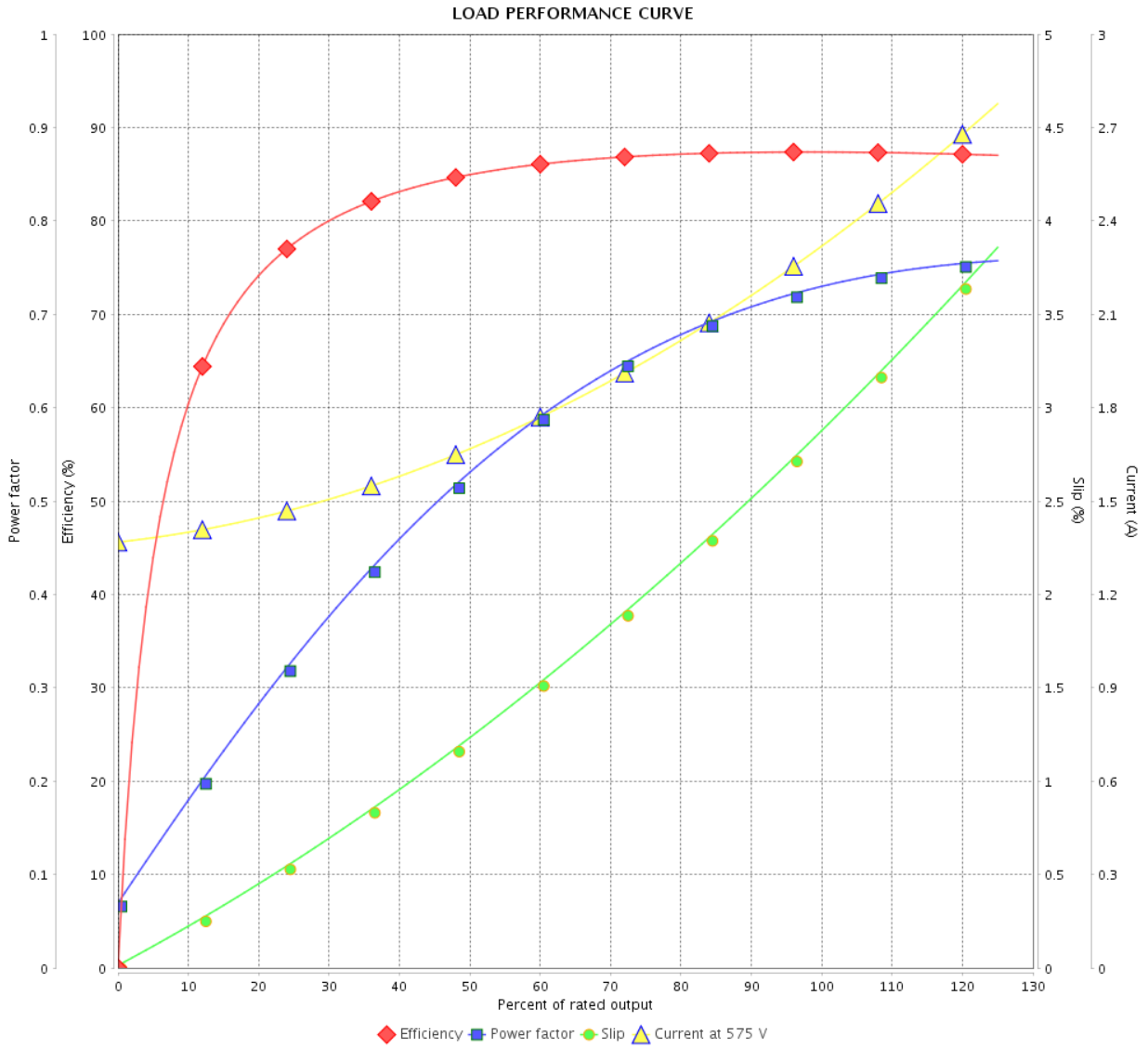
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LOAD PERFORMANCE CURVE

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Customer	:		
Product line	: NEMA Premium Efficiency Three-Phase	Product code :	12795529

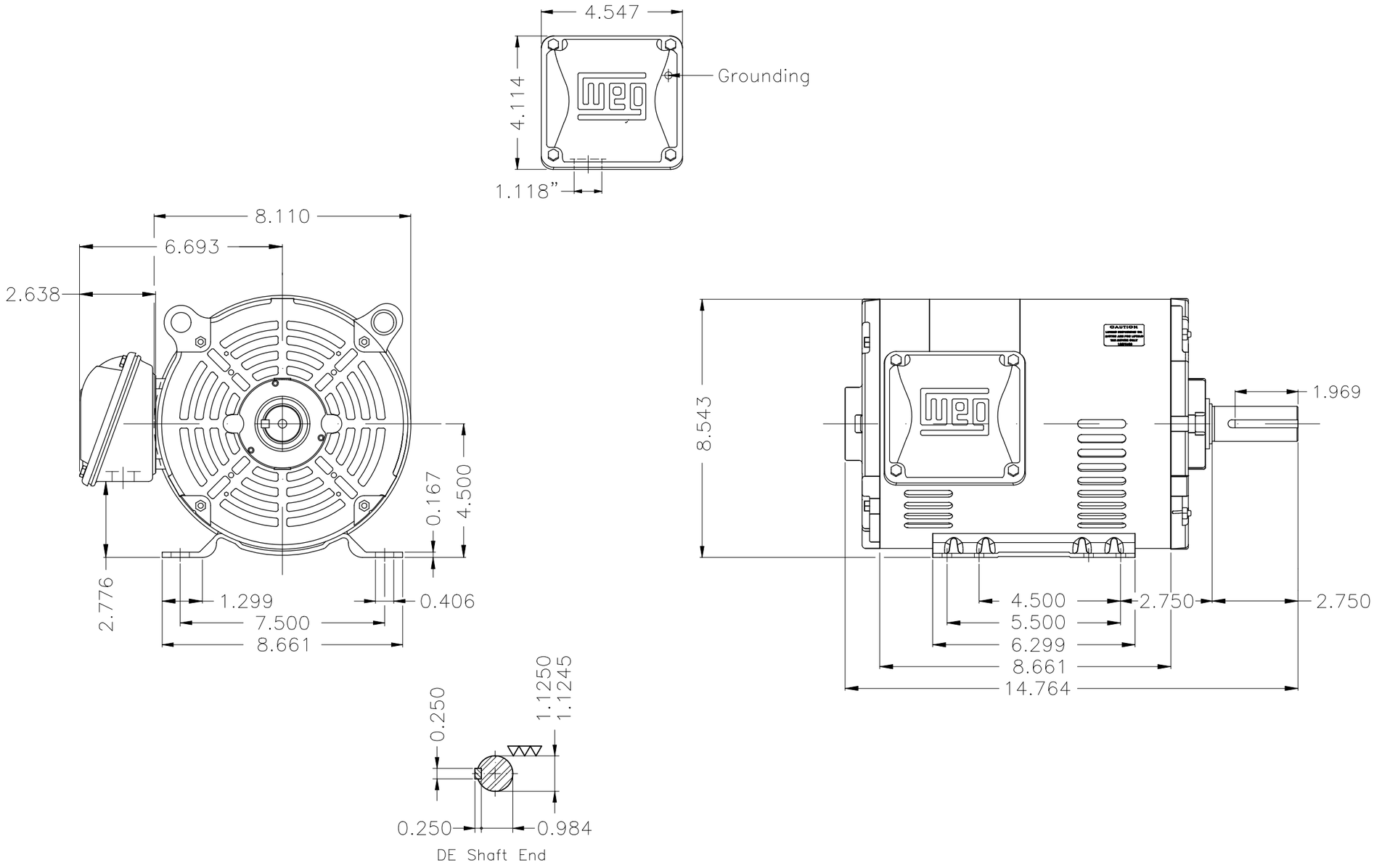


Performance	: 575 V 60 Hz 6P		
Rated current	: 2.36 A	Moment of inertia (J)	: 0.0118 kgm²
LRC	: 6.6	Duty cycle	: Cont.(S1)
Rated torque	: 1.25 kgfm	Insulation class	: F
Locked rotor torque	: 200 %	Service factor	: 1.15
Breakdown torque	: 300 %	Temperature rise	: 80 K
Rated speed	: 1165 rpm	Design	: B

Rev.	Changes Summary	Performed	Checked	Date

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Color Munsell N 1 matte black

Painting plan 207N

Mounting F-1/B3R(D)

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

EXECUTED	HYBRISUSER	THREE PH. MOTOR ROLLED STEEL NEMA PREM. EFF.	PREVIEW		
CHECKED		FRAME 182/4T IP21 ODP	WDD	00	
RELEASED					
REL. DATE		WMO Jaragua do Sul Product Engineering	SHEET	1 / 1	

2 HP 06 Poles 60 Hz

A

Dimensions in inches

XME A3

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