DATA SHEET

Three Phase Induction Motor - Squirrel Cage

Customer	:		
Product line	: Three-Phase	Product code :	13989582

Frame	: W56C	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]	: 9.9 kg
Protection degree	: IP55	Moment of inertia (J)	: 0.0022 kgm²

Output [HP]		0.5
Poles		4
Frequency [Hz]		60
Rated voltage [V]		575
Rated current [A]		0.622
L. R. Amperes [A]		3.98
LRC [A]		6.4x(Code J)
No load current [A]		0.397
Rated speed [RPM]		1730
Slip [%]		3.89
Rated torque [kgfm]		0.210
Locked rotor torque [%]		229
Breakdown torque [%]		310
Service factor		1.15
Temperature rise		80 K
Locked rotor time		36s (cold) 20s (hot)
Noise level[2]		50.0 dB(A)
Efficiency (%)	25%	
	50%	74.0
	75%	77.0
	100%	78.5
Power Factor	25%	
	50%	0.54
	75%	0.67
	100%	0.76

		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 : 16 kgf

Max. compression : 25 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

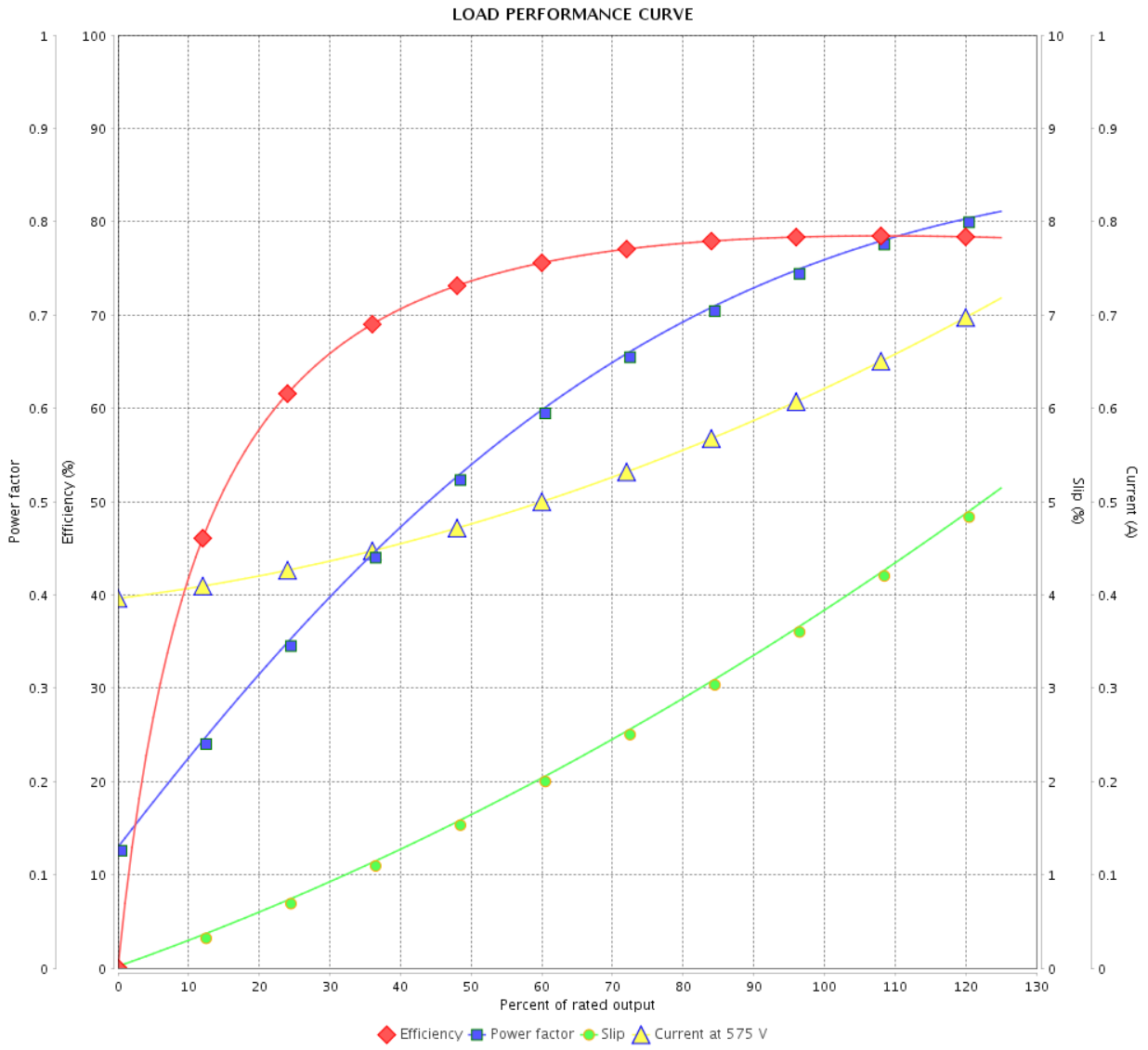
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LOAD PERFORMANCE CURVE

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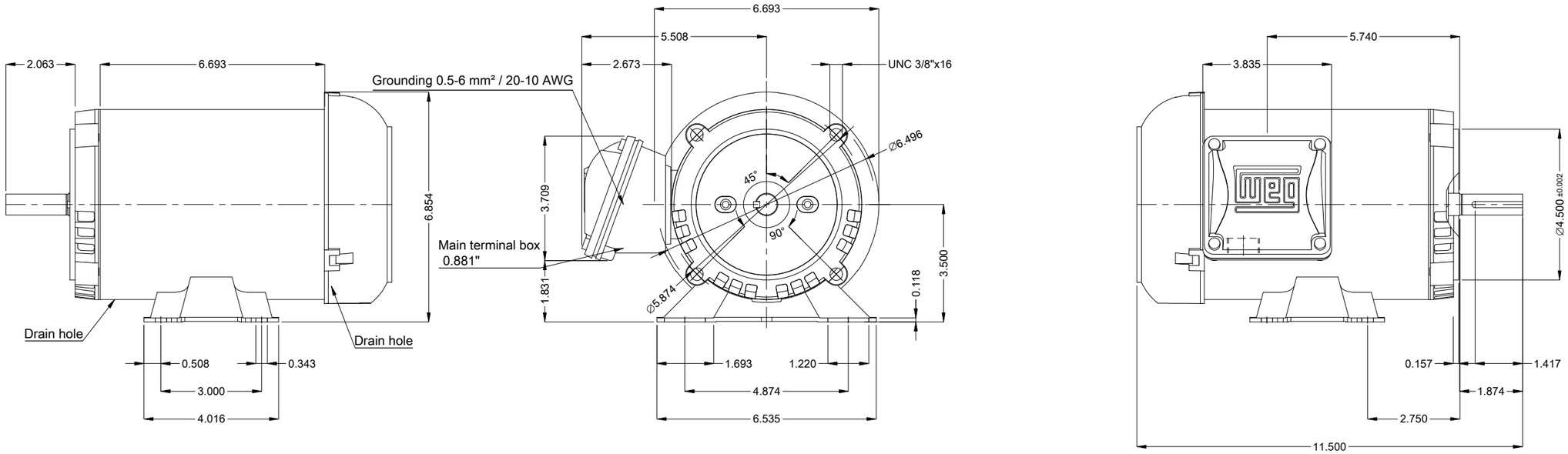


Performance	: 575 V 60 Hz 4P		
Rated current	: 0.622 A	Moment of inertia (J)	: 0.0022 kgm²
LRC	: 6.4	Duty cycle	: Cont.(S1)
Rated torque	: 0.210 kgfm	Insulation class	: F
Locked rotor torque	: 229 %	Service factor	: 1.15
Breakdown torque	: 310 %	Temperature rise	: 80 K
Rated speed	: 1730 rpm		

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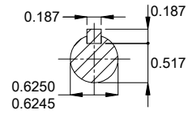
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Reinforce the foot with 2 mig welding spots
Color Munsell N 1 matte black
Painting plan 207N
Mounting MARKET F-1/B34R(D)
Mounting B34D

DE Shaft End



0.5 HP 04 Poles 60 Hz | A

Scale 2 : 7

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

EXECUTED	HYBRISUSER
CHECKED	
RELEASED	
REL. DATE	

THREE PH. MOTOR ROLLED STEEL PREM. EFF.
FRAME W56C IP55 TEFC

PREVIEW
WDD 00
SHEET 1 / 1

Dimensions in inches

A3

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