DATA SHEET

Three Phase Induction Motor - Squirrel Cage

Customer	:

Product line	: Premium Efficiency Three-Phase	Product code :	13500348

Frame	: 56C	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	: 16.4 kg
Protection degree	: IP55	Moment of inertia (J)	: 0.0052 kgm²
Design	: B		

Output [HP]		1
Poles		4
Frequency [Hz]		60
Rated voltage [V]		575
Rated current [A]		1.18
L. R. Amperes [A]		10.1
LRC [A]		8.6x(Code M)
No load current [A]		0.712
Rated speed [RPM]		1765
Slip [%]		1.94
Rated torque [kgfm]		0.411
Locked rotor torque [%]		280
Breakdown torque [%]		300
Service factor		1.15
Temperature rise		80 K
Locked rotor time		34s (cold) 19s (hot)
Noise level²		52.0 dB(A)
Efficiency (%)	25%	81.0
	50%	82.5
	75%	84.0
	100%	85.5
Power Factor	25%	0.30
	50%	0.52
	75%	0.66
	100%	0.75

		Drive end	Non drive end
Bearing type	:	6204 ZZ	6202 ZZ
Sealing	:	V'Ring	Without Bearing Seal
Lubrication interval	:	-	-
Lubricant amount	:	-	-
Lubricant type	:	Mobil Polyrex EM	

Foundation loads

Max. traction : 31 kgf

Max. compression : 48 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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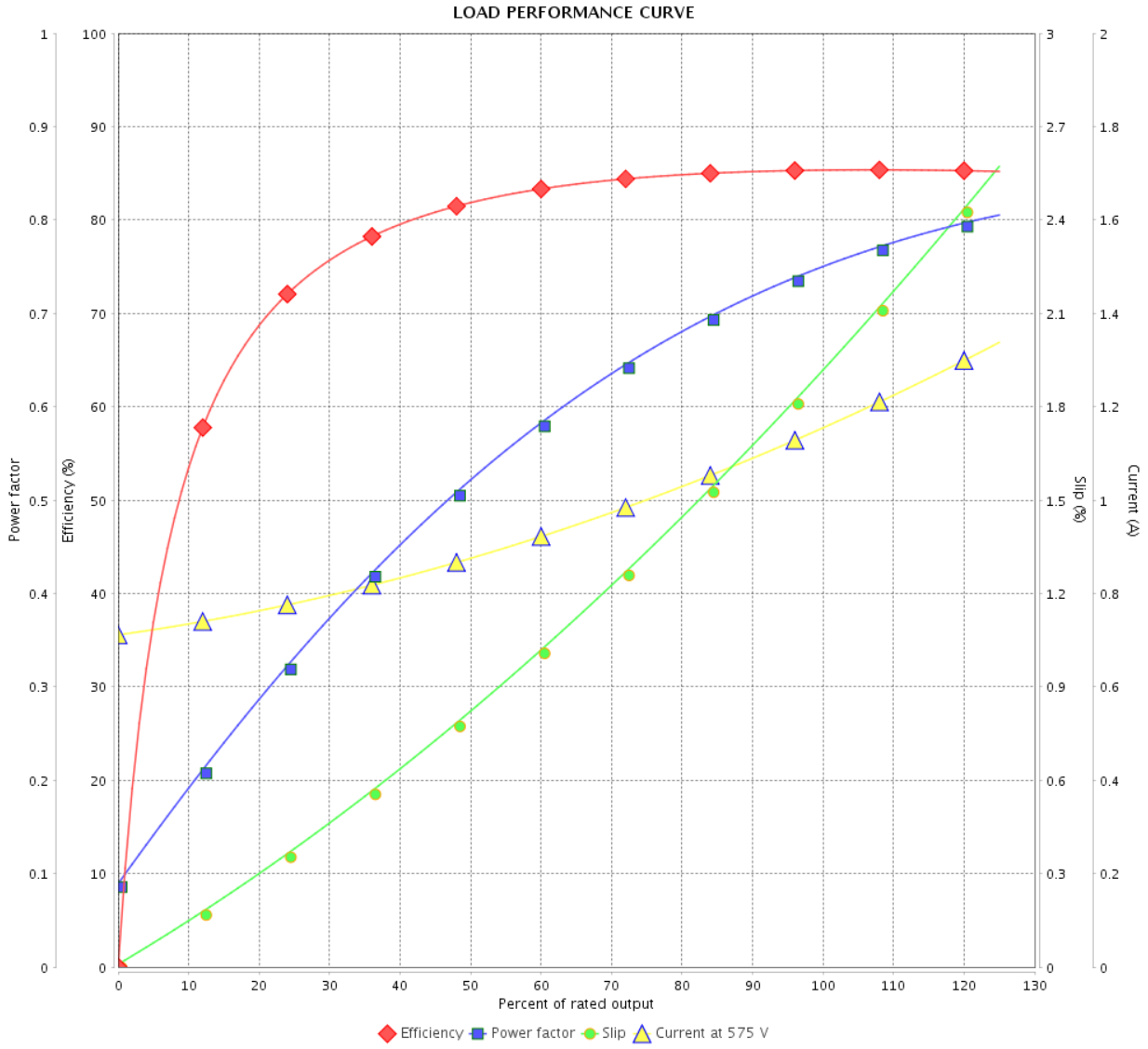
LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage

Customer	:		
Product line	: Premium Efficiency Three-Phase	Product code :	13500348



Performance	: 575 V 60 Hz 4P		
Rated current	: 1.18 A	Moment of inertia (J)	: 0.0052 kgm²
LRC	: 8.6	Duty cycle	: Cont.(S1)
Rated torque	: 0.411 kgfm	Insulation class	: F
Locked rotor torque	: 280 %	Service factor	: 1.15
Breakdown torque	: 300 %	Temperature rise	: 80 K
Rated speed	: 1765 rpm	Design	: B

Rev.	Changes Summary	Performed	Checked	Date

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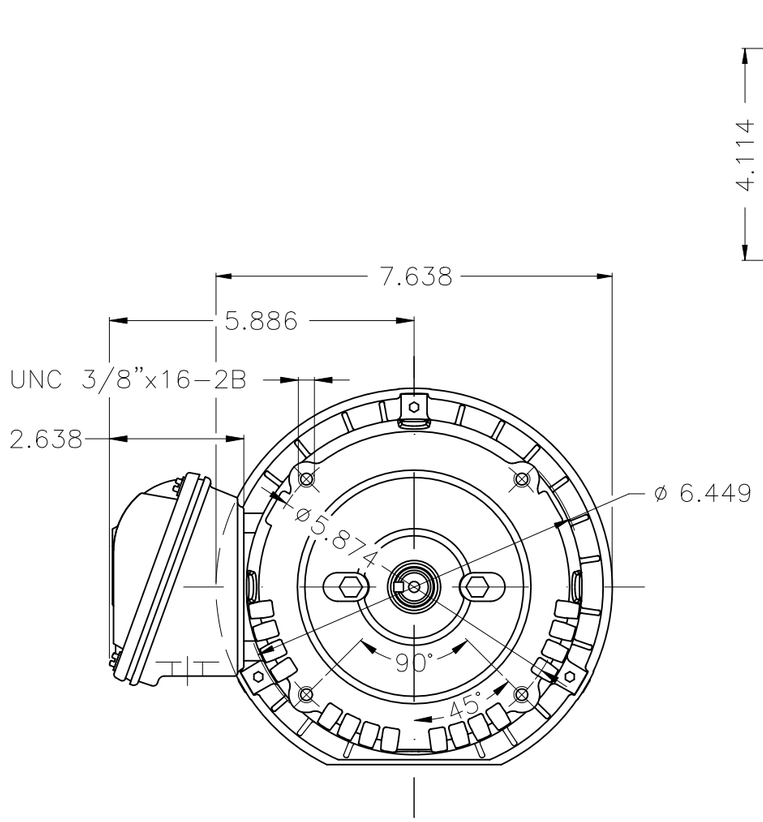

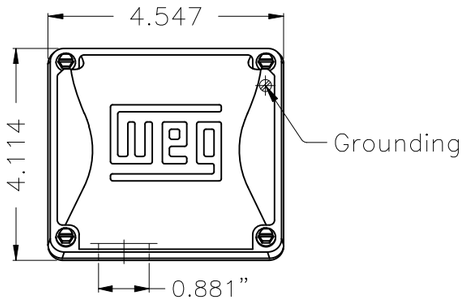

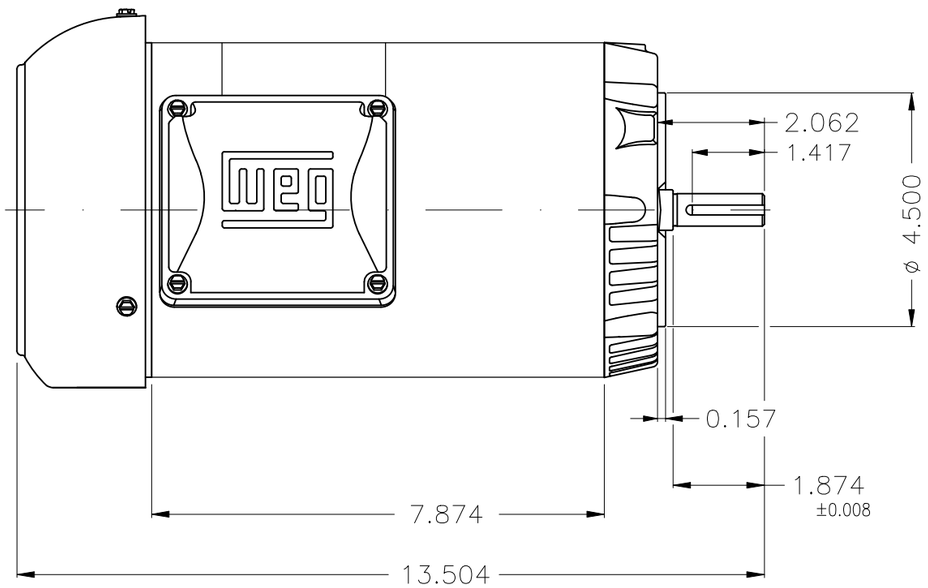

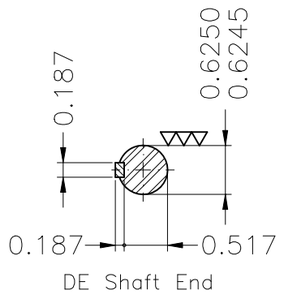

Fan cover - steel plate
Color Munsell N 1 matte black
Painting plan 207N
Mounting F-1/B14R(D)

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

EXECUTED	HYBRISUSER	THREE PH. MOTOR ROLLED STEEL PREM. EFF.	PREVIEW	
CHECKED		FRAME 56C IP55 TEFC	WDD	00
RELEASED				
REL. DATE		WMO Jaragua do Sul Product Engineering	SHEET	1 / 1

1 HP 04 Poles 60 Hz

A

Dimensions in inches

XME A3