DATA SHEET

Single Phase Induction Motor - Squirrel Cage

Customer	:

Product line	: Jet Pump - C type Single-Phase	Product code :	14795153

Frame	: 56C	Cooling method	: IC411 - TEFC
Insulation class	: F	Mounting	: F-1
Duty cycle	: Cont.(S1)	Rotation¹	: CCW
Ambient temperature	: -20°C to +40°C	Starting method	: Direct On Line
Altitude	: 1000 m.a.s.l.	Approx. weight³	: 16.1 kg
Protection degree	: IP55	Moment of inertia (J)	: 0.0028 kgm²
Design	: L		

Output [HP]		1.5
Poles		2
Frequency [Hz]		60
Rated voltage [V]		115/208-230
Rated current [A]		12.4/6.66-6.18
L. R. Amperes [A]		103/55.3-51.3
LRC [A]		8.3x(Code J)
No load current [A]		2.40/1.03-1.20
Rated speed [RPM]		3500
Slip [%]		2.78
Rated torque [kgfm]		0.311
Locked rotor torque [%]		250
Breakdown torque [%]		270
Service factor		
Temperature rise		80 K
Locked rotor time		18s (cold) 10s (hot)
Noise level²		68.0 dB(A)
Efficiency (%)	25%	
	50%	68.0
	75%	75.5
	100%	81.5
Power Factor	25%	
	50%	0.95
	75%	0.95
	100%	0.95

		Drive end	Non drive end
Bearing type	:	6203 2RS	6202 2RS
Sealing	:	V'Ring	Without Bearing Seal
Lubrication interval	:	-	-
Lubricant amount	:	-	-
Lubricant type	:	Mobil Polyrex EM	

Foundation loads

Max. traction : 19 kgf

Max. compression : 35 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

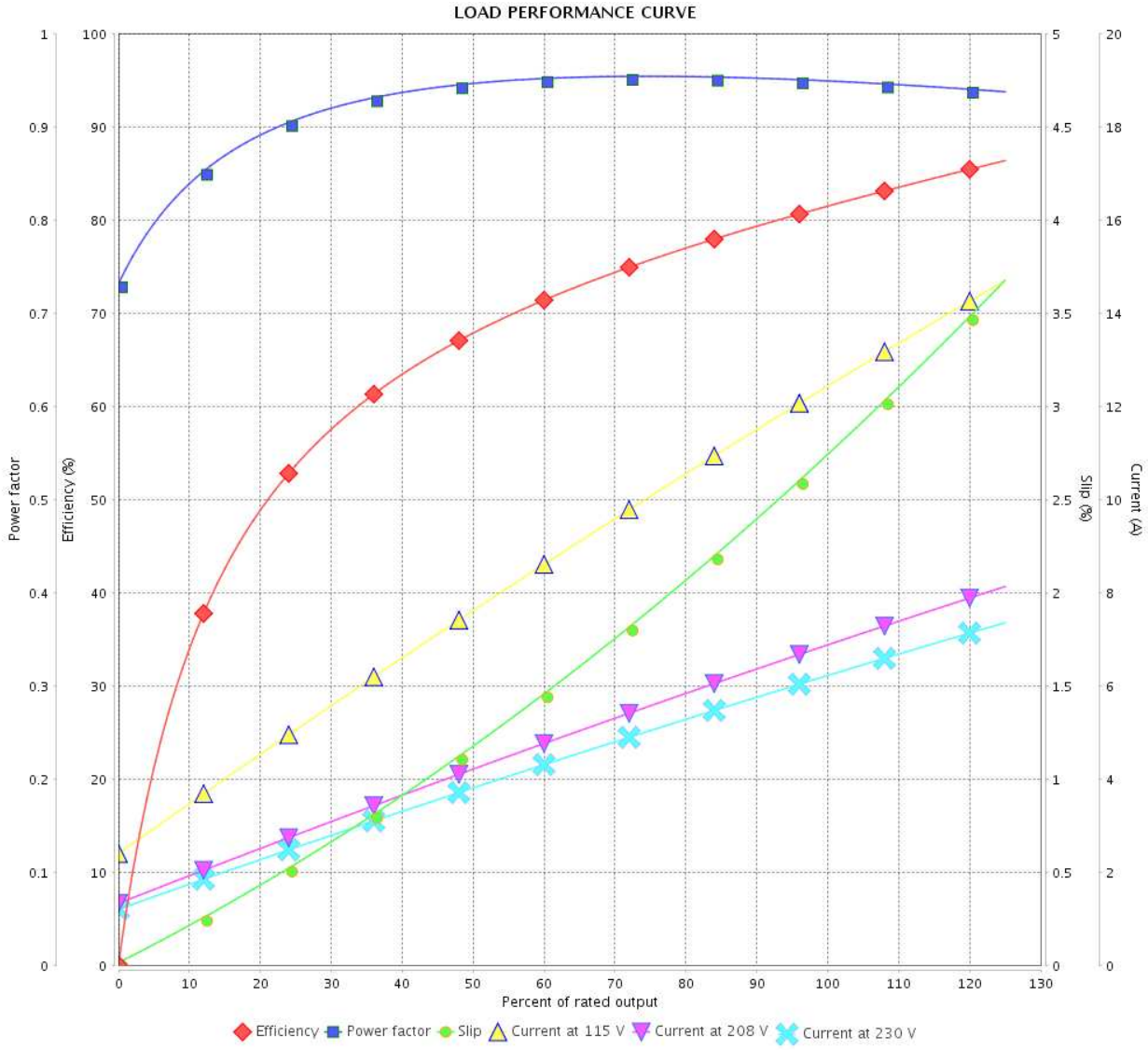
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LOAD PERFORMANCE CURVE

Single Phase Induction Motor - Squirrel Cage

Customer	:		
Product line	: Jet Pump - C type Single-Phase	Product code :	14795153

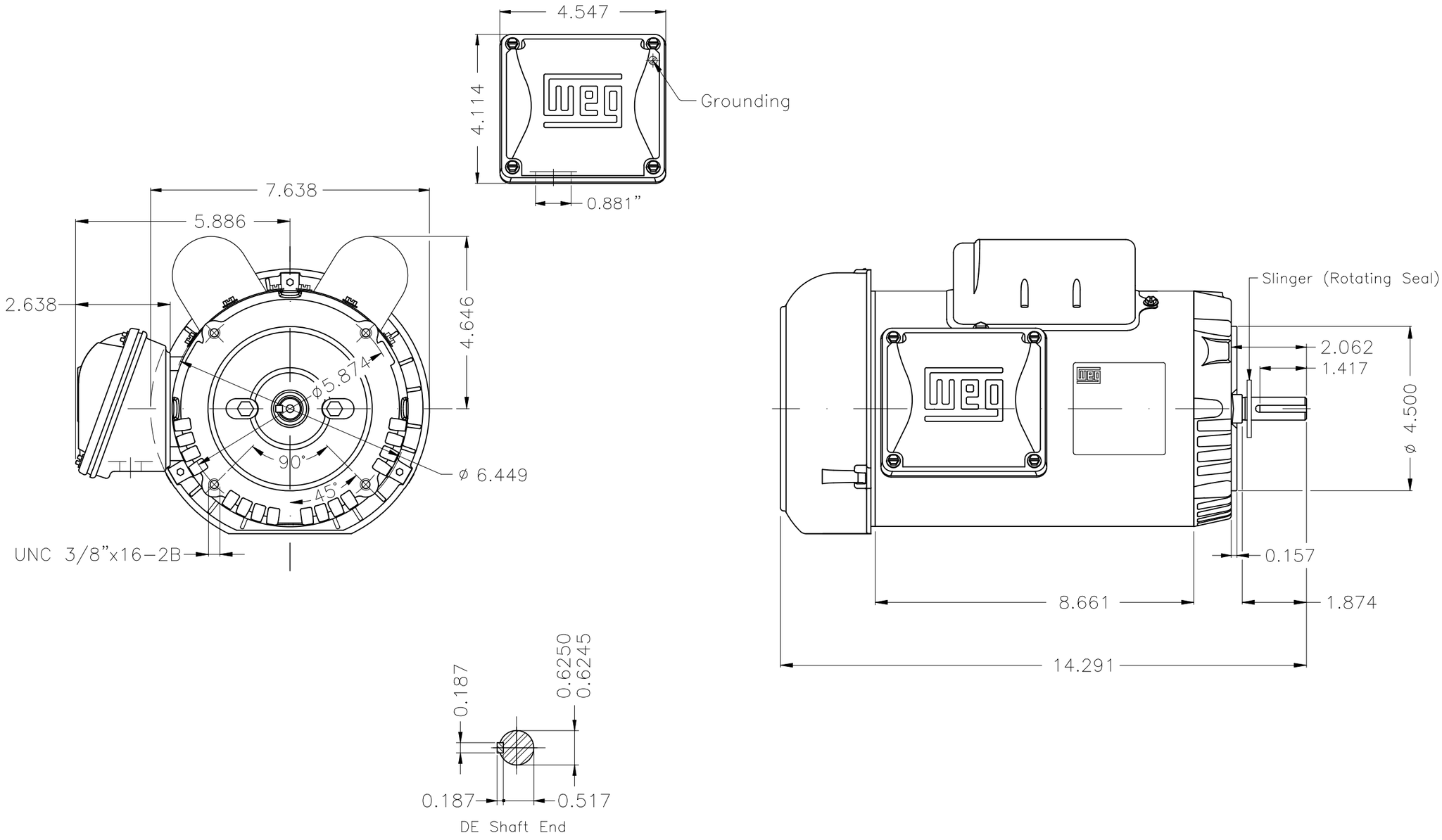


Performance	: 115/208-230 V 60 Hz 2P		
Rated current	: 12.4/6.66-6.18 A	Moment of inertia (J)	: 0.0028 kgm²
LRC	: 8.3	Duty cycle	: Cont.(S1)
Rated torque	: 0.311 kgfm	Insulation class	: F
Locked rotor torque	: 250 %	Service factor	:
Breakdown torque	: 270 %	Temperature rise	: 80 K
Rated speed	: 3500 rpm	Design	: L

Rev.	Changes Summary	Performed	Checked	Date

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

Color Munsell N 1 matte black

Painting plan 207N

Mounting F-1/B14R(D)

EXECUTED	HYBRISUSER
CHECKED	
RELEASED	
REL. DATE	

SINGLE PH. MOTOR ROLLED STEEL JET PUMP KEYED PREM. EFF.
FRAME 56C IP55 TEFC

PREVIEW

WDD 00

WMO Jaragua do Sul Product Engineering

SHEET 1 / 1

1.5 HP 02 Poles 60 Hz

A

Dimensions in inches

XME A3

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