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

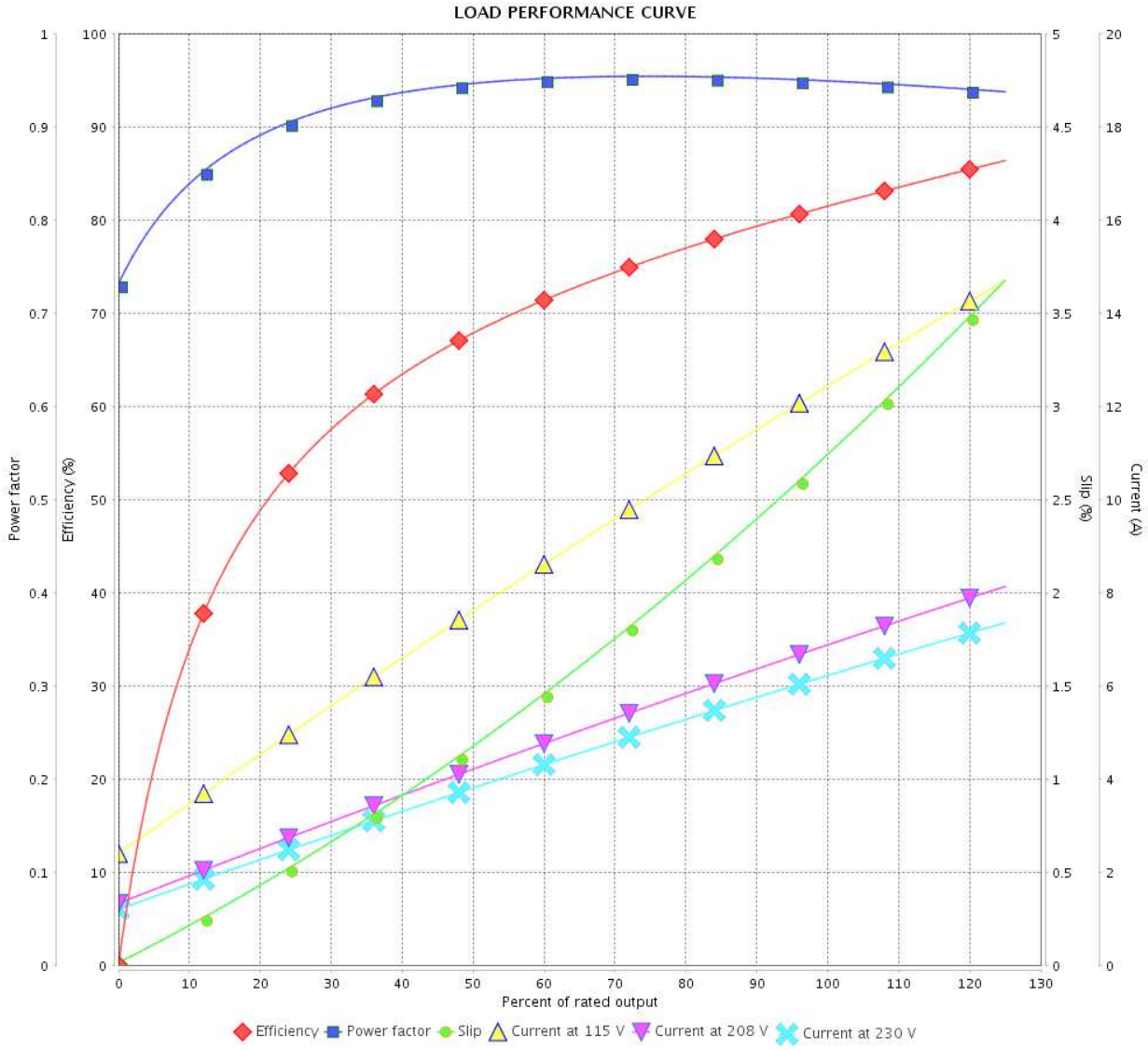
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LOAD PERFORMANCE CURVE

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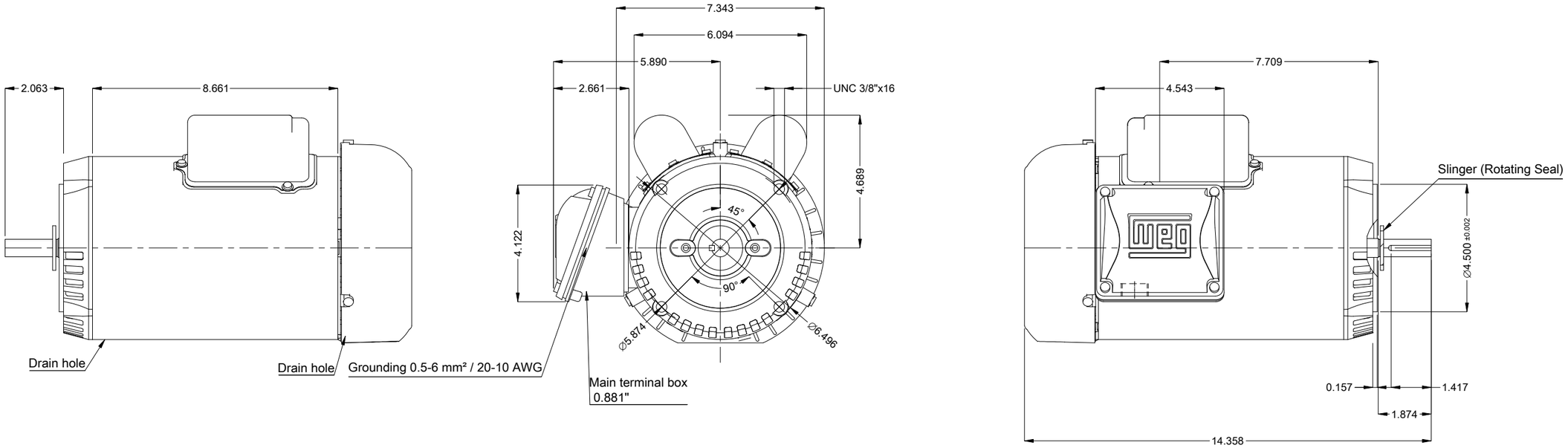


Performance	: 115/208-230 V 60 Hz 2P		
Rated current	: 12.4/6.66-6.18 A	Moment of inertia (J)	: 0.0028 kgm²
LRC	: 8.3	Duty cycle	: Cont.(S1)
Rated torque	: 0.311 kgfm	Insulation class	: F
Locked rotor torque	: 250 %	Service factor	:
Breakdown torque	: 270 %	Temperature rise	: 80 K
Rated speed	: 3500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

Rev.	Changes Summary	Performed	Checked	Date

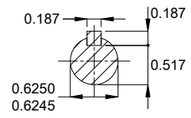
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Shaft material - stainless steel AISI 304
Fan cover - steel plate
Color Munsell N 1 matte black
Painting plan 207N
Mounting MARKET F-1/B14R(D)
Mounting F-1/B14R(D)

DE Shaft End



1.5 HP 02 Poles 60 Hz

A

Scale 1 : 4

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

EXECUTED	HYBRISUSER
CHECKED	
RELEASED	
REL. DATE	

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

PREVIEW

WDD 00

SHEET 1 / 1

Dimensions in inches

A3

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