DATA SHEET

Three Phase Induction Motor - Squirrel Cage

Customer :

Product line	: Rolled Steel Jet Pump - J type Premium Efficiency Three-Phase	Product code :	13641595

Frame	: W56J	Locked rotor time	: 36s (cold) 20s (hot)
Output	: 0.5 HP (0.37 kW)	Temperature rise	: 80 K
Frequency	: 60 Hz	Duty cycle	: Cont.(S1)
Rated voltage	: 208-230/460 V	Ambient temperature	: -20°C to +40°C
Poles	: 4	Altitude	: 1000 m.a.s.l.
Rated current	: 1.72-1.56/0.778 A	Protection degree	: IP55
	: 6.4x(Code J)	Cooling method	: IC411 - TEFC
Rated speed	: 1730 rpm	Mounting	: F-1
Rated torque	: 0.210 kgfm	Rotation[1]	: CCW
Insulation class	: F	Noise level[2]	: 50.0 dB(A)
Service factor	: 1.25	Starting method	: Direct On Line
Moment of inertia (J)	: 0.0022 kgm²	Approx. weight[3]	: 9.5 kg

Output	25%	50%	75%	100%
Efficiency (%)	0.000	74.0	77.0	78.5
Power Factor	0.00	0.54	0.67	0.76

Foundation loads

Max. traction	: 16 kgf
Max. compression	: 25 kgf

		Drive end	Non drive end
Bearing type	:	6203 2RS	6202 2RS
Sealing	:	V'Ring	Without Bearing Seal
Lubrication interval	:	0 h	0 h
Lubricant amount	:	0 g	0 g
Lubricant type	:	Mobil Polyrex EM	

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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Date	29/06/2026		1 / 2	

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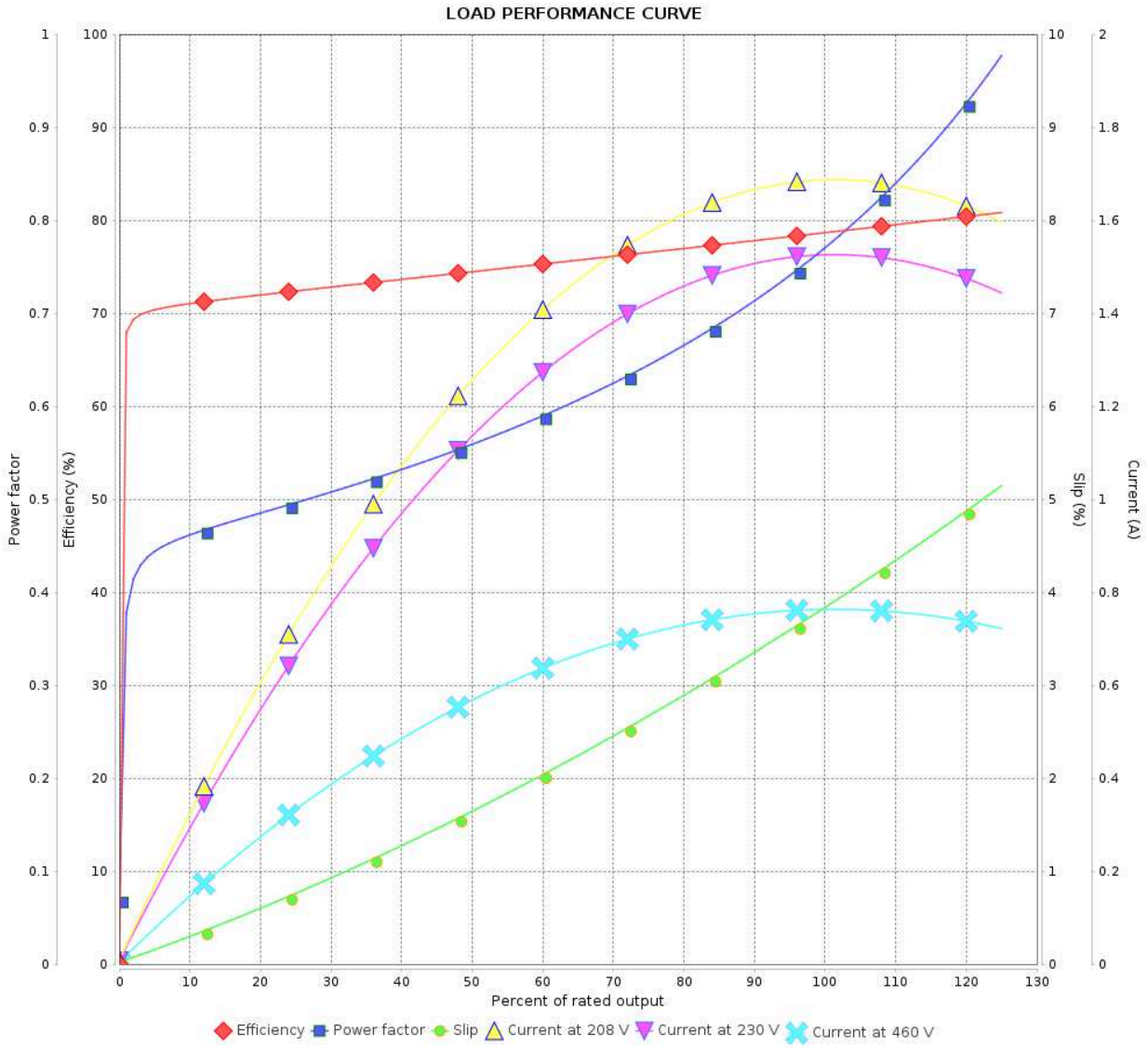
LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage

Customer :

Product line : Rolled Steel Jet Pump - J type
Premium Efficiency Three-Phase

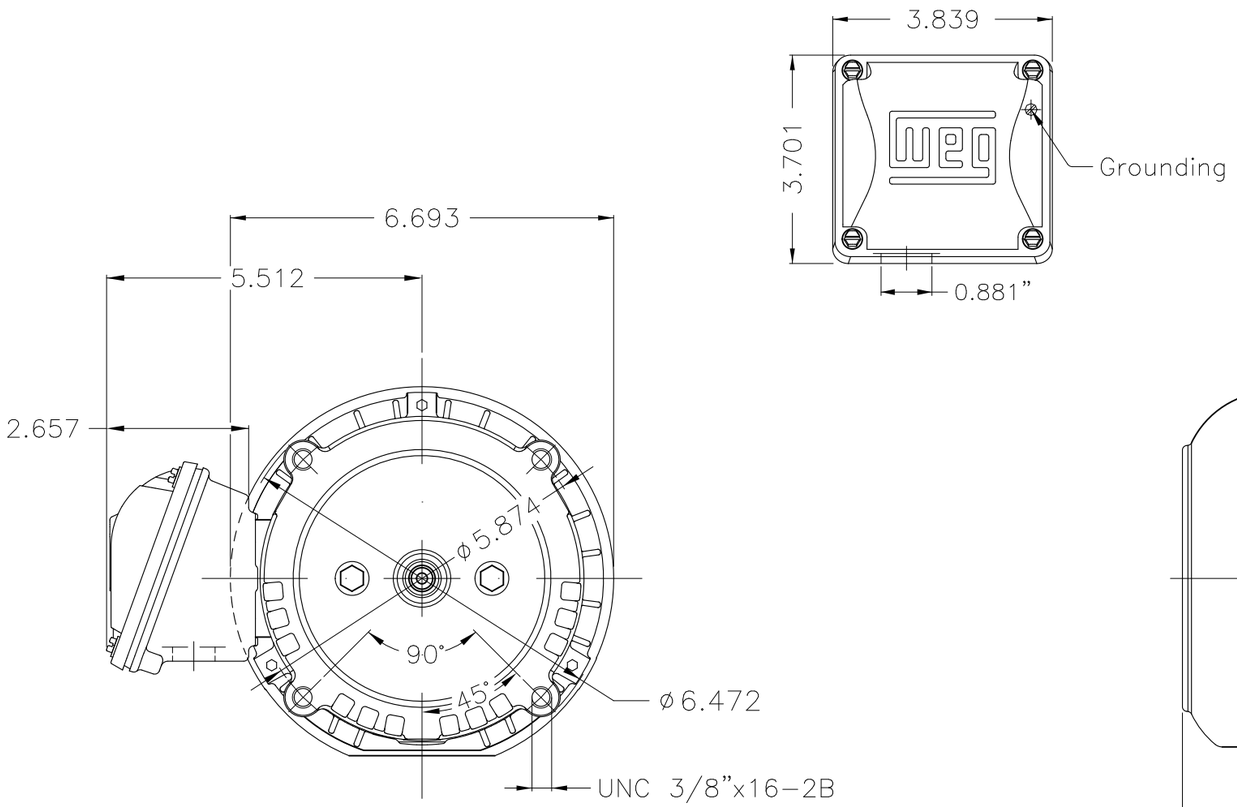
Product code : 13641595

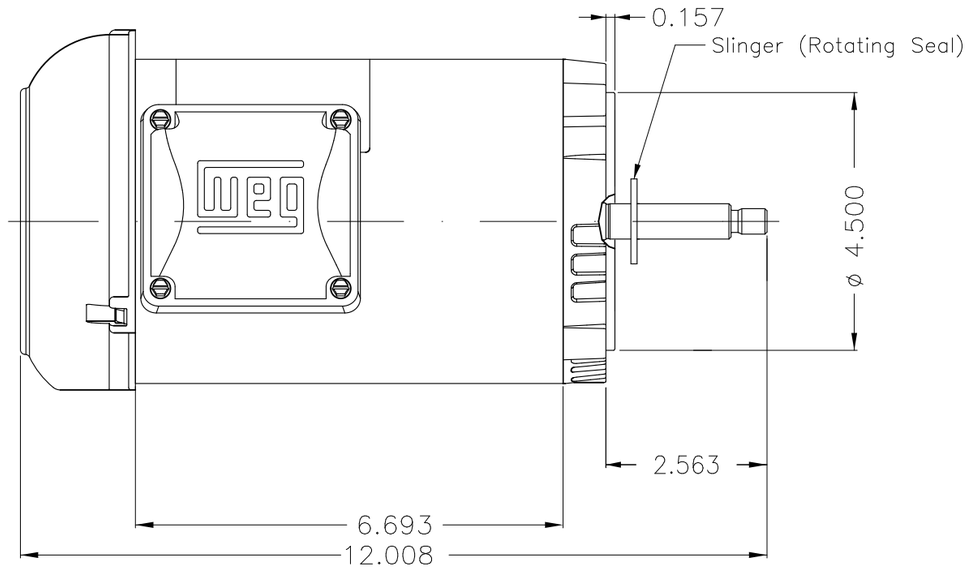


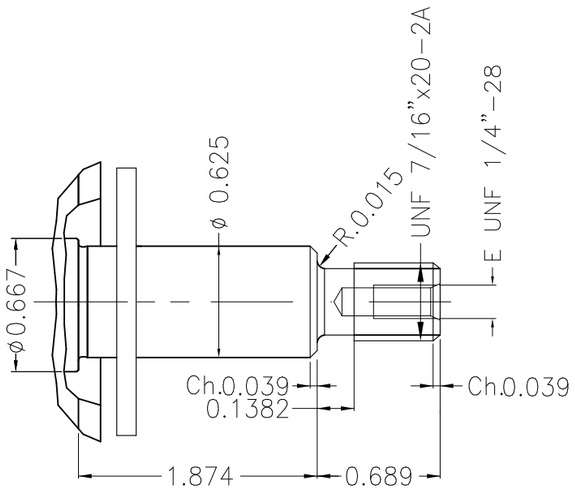
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			HYBRISUSER				00
ECM	LOC	SUMMARY OF MODIFICATIONS	EXECUTED	CHECKED	RELEASED	DATE	VER

Color Munsell N 1 matte black
Painting plan 207N
Service factor 1.25
Mounting F-1/B14R(D)

EXECUTED	HYBRISUSER	THREE PH. MOTOR ROLLED STEEL JET PUMP THREADED PREMIER	PREVIEW
CHECKED		FRAME W56J IP55 TEFC	WDD 00
RELEASED			
REL. DATE		WMO Jaragua do Sul Product Engineering	SHEET 1 / 1

0.5 HP 04 Poles 60 Hz

A

Dimensions in inches

XME A3

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