DATA SHEET

Three Phase Induction Motor - Squirrel Cage

Customer	:

Product line	: JM Pump NEMA Premium Efficiency Three-Phase	Product code :	13439527

Frame	: 254/6JM	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	: 111 kg
Protection degree	: IP55	Moment of inertia (J)	: 0.0551 kgm²
Design	: A		

Output [HP]		25		
Poles		2		
Frequency [Hz]		60		
Rated voltage [V]		230/460		
Rated current [A]		57.0/28.5		
L. R. Amperes [A]		473/237		
LRC [A]		8.3x(Code J)		
No load current [A]		20.1/10.0		
Rated speed [RPM]		3530		
Slip [%]		1.94		
Rated torque [kgfm]		5.14		
Locked rotor torque [%]		240		
Breakdown torque [%]		340		
Service factor		1.15		
Temperature rise		80 K		
Locked rotor time		14s (cold) 8s (hot)		
Noise level²		75.0 dB(A)		
Efficiency (%)	25%			
	50%	91.0		
	75%	91.7		
	100%	91.7		
Power Factor	25%			
	50%	0.77		
	75%	0.85		
	100%	0.89		

		Drive end	Non drive end
Bearing type	:	6309 Z C3	6208 Z C3
Sealing	:	V'Ring	Without Bearing Seal
Lubrication interval	:	15797 h	20000 h
Lubricant amount	:	13 g	8 g
Lubricant type	:	Mobil Polyrex EM	

Foundation loads

Max. traction : 219 kgf

Max. compression : 330 kgf

Notes

USABLE @208V 63.0A SF 1.00 SFA 63.0A

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

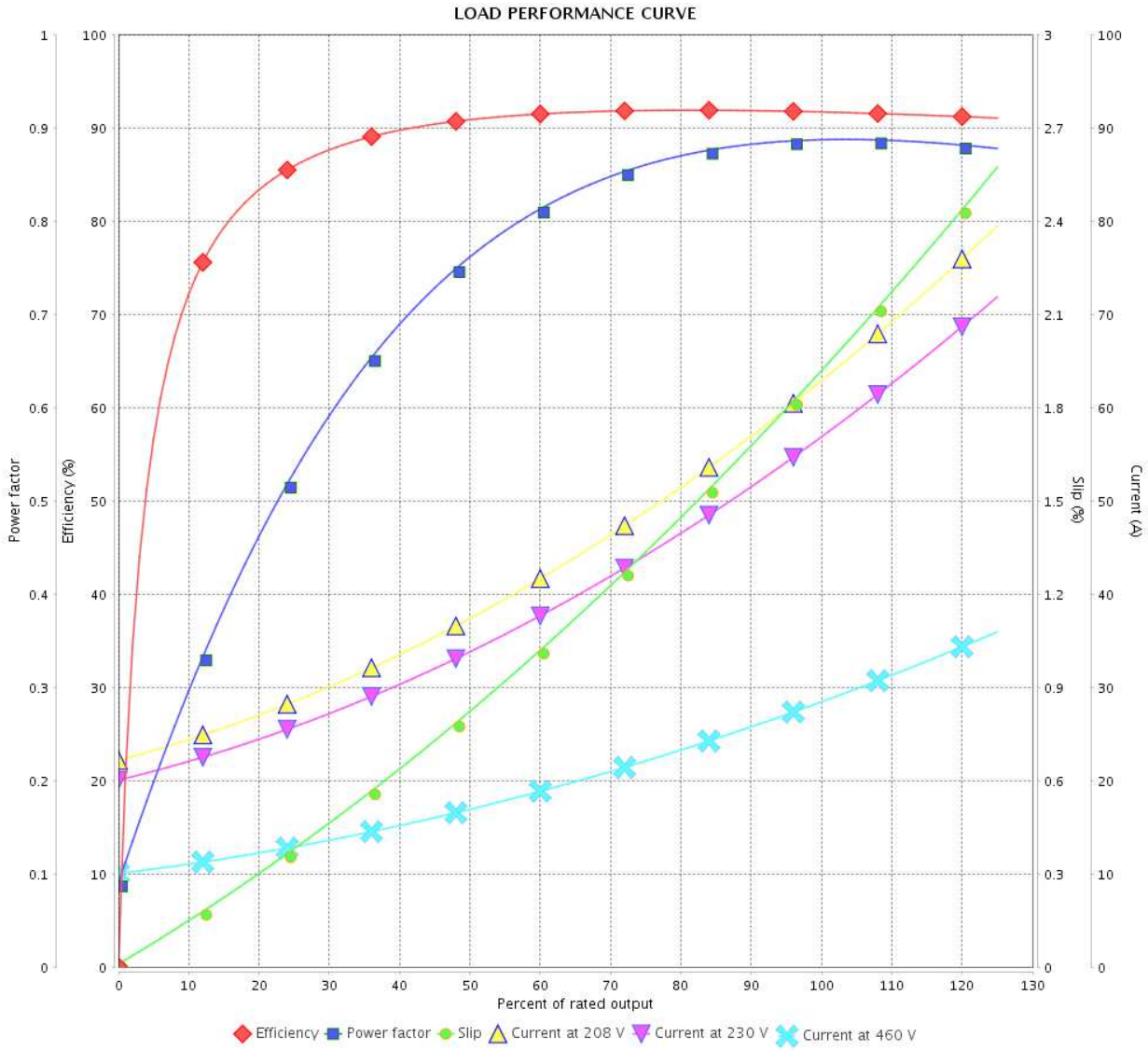
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LOAD PERFORMANCE CURVE

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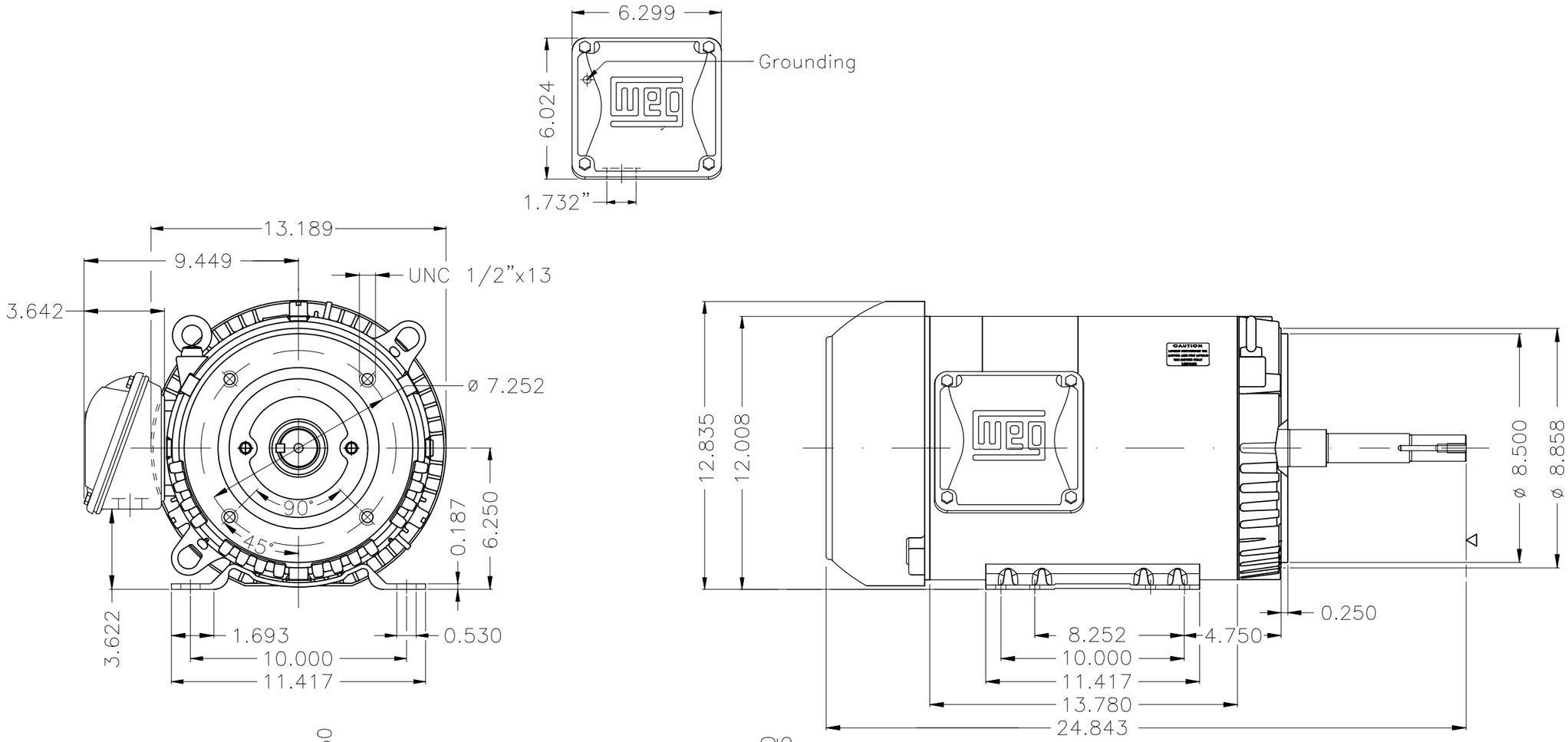


Performance	: 230/460 V 60 Hz 2P		
Rated current	: 57.0/28.5 A	Moment of inertia (J)	: 0.0551 kgm²
LRC	: 8.3	Duty cycle	: Cont.(S1)
Rated torque	: 5.14 kgfm	Insulation class	: F
Locked rotor torque	: 240 %	Service factor	: 1.15
Breakdown torque	: 340 %	Temperature rise	: 80 K
Rated speed	: 3530 rpm	Design	: A

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Design A

Color Munsell N 1 matte black

Painting plan 207N

Mounting B34D

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

EXECUTED	HYBRISUSER	THREE PH. MOTOR ROLLED STEEL JM NEMA PREM. EFF.	PREVIEW
CHECKED		FRAME 254/6JM IP55 TEFC	WDD 00
RELEASED			
REL. DATE		WMO Jaragua do Sul Product Engineering	SHEET 1 / 1

25 HP 02 Poles 60 Hz

A

Dimensions in inches

XME A3

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