DATA SHEET

Three Phase Induction Motor - Squirrel Cage

Customer	:

Product line	: JP Pump NEMA Premium Efficiency Three-Phase	Product code :	13311846

Frame	: 254/6JP	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	: 117 kg
Protection degree	: IP55	Moment of inertia (J)	: 0.1113 kgm²
Design	: B		

Output [HP]		20
Poles		4
Frequency [Hz]		60
Rated voltage [V]		575
Rated current [A]		19.8
L. R. Amperes [A]		132
LRC [A]		6.7x(Code H)
No load current [A]		8.89
Rated speed [RPM]		1765
Slip [%]		1.94
Rated torque [kgfm]		8.22
Locked rotor torque [%]		270
Breakdown torque [%]		300
Service factor		1.15
Temperature rise		80 K
Locked rotor time		28s (cold) 16s (hot)
Noise level²		68.0 dB(A)
Efficiency (%)	25%	91.0
	50%	91.7
	75%	92.4
	100%	93.0
Power Factor	25%	0.40
	50%	0.66
	75%	0.77
	100%	0.82

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

Foundation loads

Max. traction : 330 kgf

Max. compression : 446 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

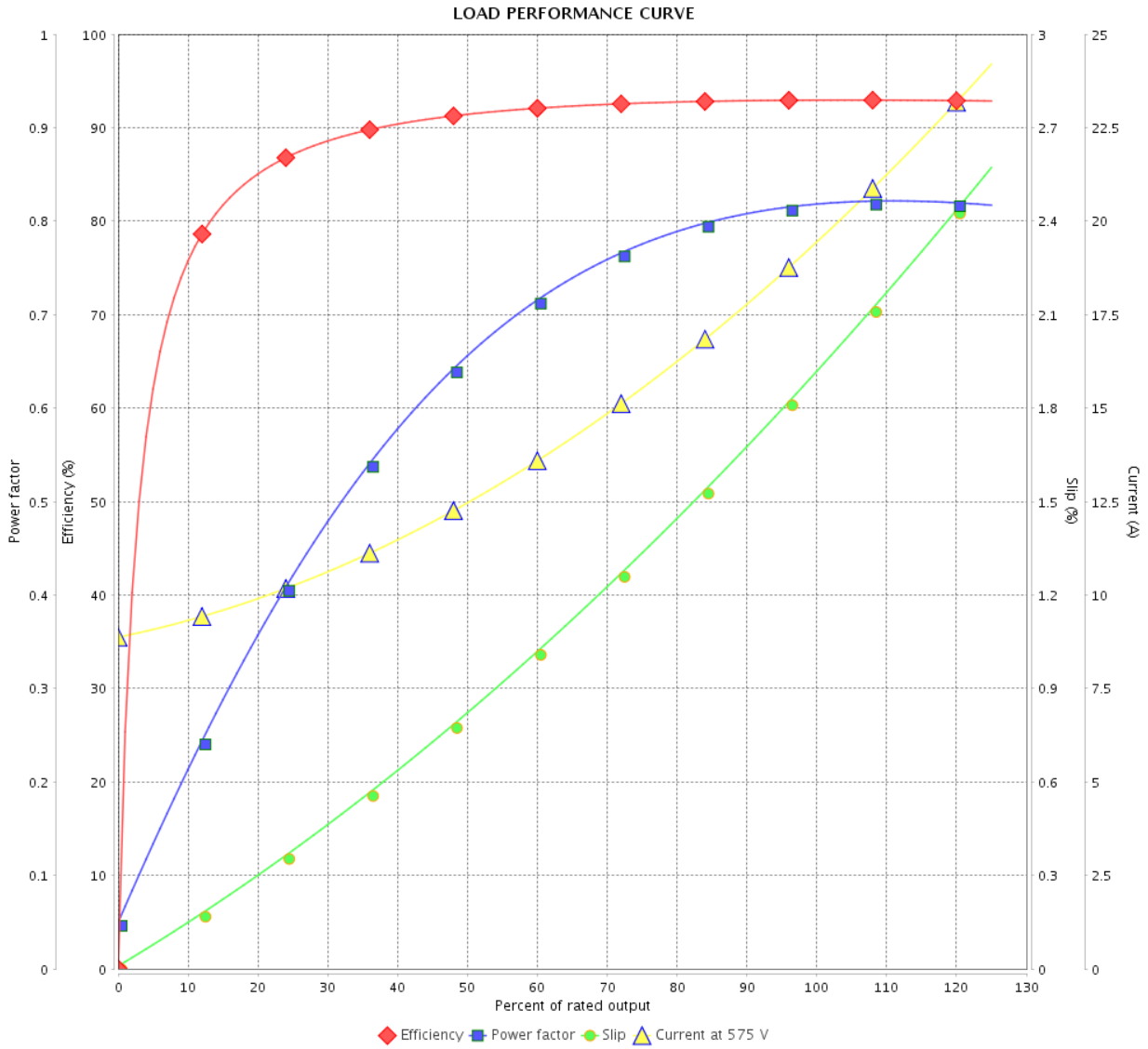
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Checked by			Page	Revision
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LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage

Customer	:		
Product line	: JP Pump NEMA Premium Efficiency Three-Phase	Product code :	13311846



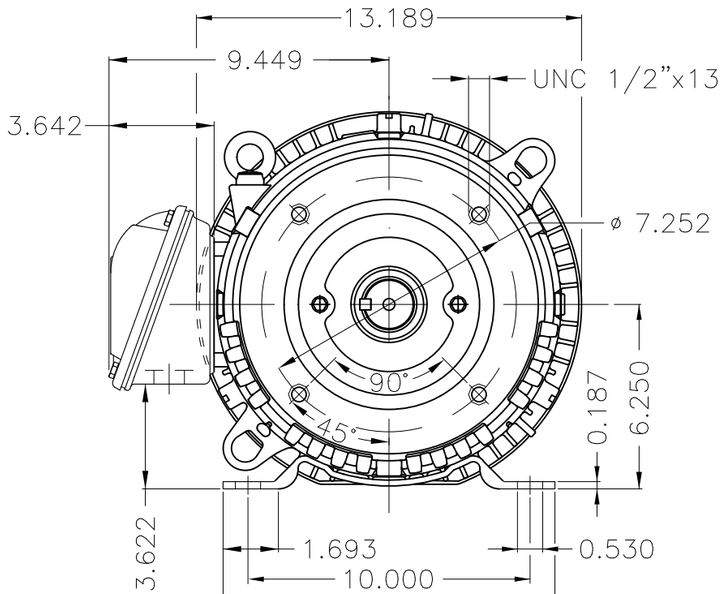
Performance	: 575 V 60 Hz 4P		
Rated current	: 19.8 A	Moment of inertia (J)	: 0.1113 kgm²
LRC	: 6.7	Duty cycle	: Cont.(S1)
Rated torque	: 8.22 kgfm	Insulation class	: F
Locked rotor torque	: 270 %	Service factor	: 1.15
Breakdown torque	: 300 %	Temperature rise	: 80 K
Rated speed	: 1765 rpm	Design	: B

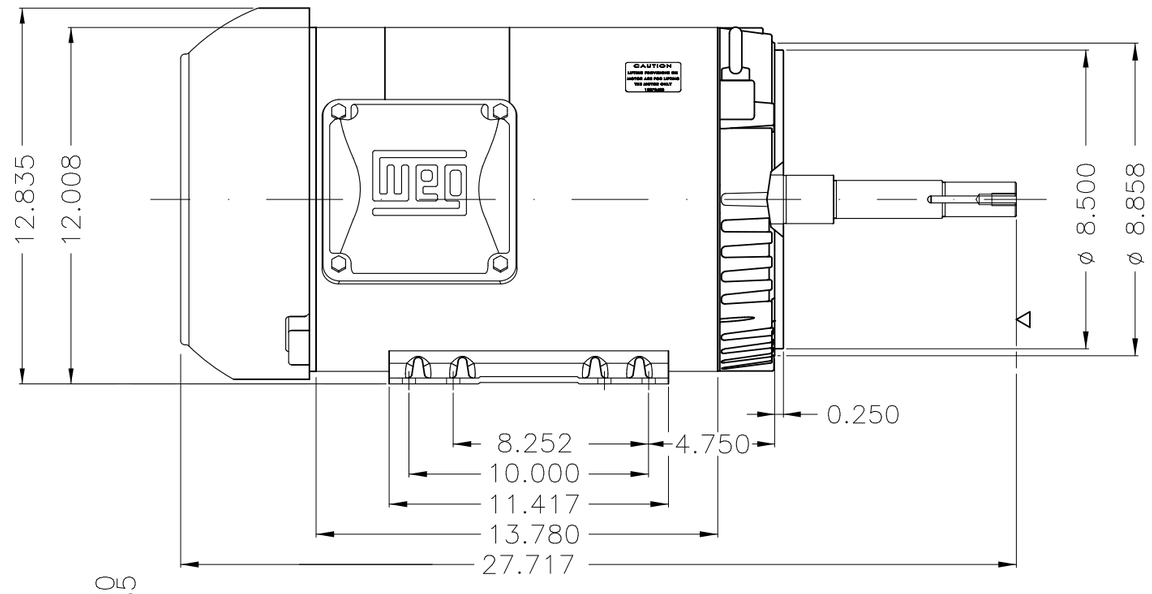
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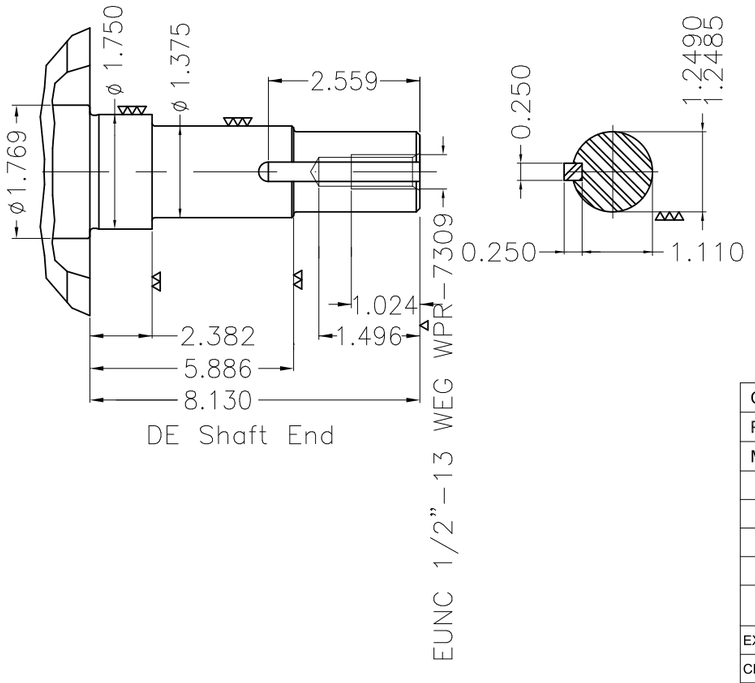
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Color Munsell N 1 matte black							
Painting plan 207N							
Mounting F-1/B34R(D)							
			HYBRISUSER				00
ECM	LOC	SUMMARY OF MODIFICATIONS	EXECUTED	CHECKED	RELEASED	DATE	VER

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

20 HP 04 Poles 60 Hz

A

Dimensions in inches

XME A3

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