DATA SHEET

Three Phase Induction Motor - Squirrel Cage

Customer :

Product line	: Close Coupled Pump NEMA Premium Efficiency Three-Phase	Product code :	11083738

Frame	: 256JP	Locked rotor time	: 21s (cold) 12s (hot)
Output	: 20 HP (15 kW)	Temperature rise	: 80 K
Poles	: 4	Duty cycle	: Cont.(S1)
Frequency	: 60 Hz	Ambient temperature	: -20°C to +40°C
Rated voltage	: 575 V	Altitude	: 1000 m.a.s.l.
Rated current	: 19.8 A	Protection degree	: IP23
L. R. Amperes	: 124 A	Cooling method	: IC01 - ODP
LRC	: 6.3x(Code G)	Mounting	: F-1
No load current	: 9.60 A	Rotation[1]	: Both (CW and CCW)
Rated speed	: 1770 rpm	Noise level[2]	: 60.0 dB(A)
Slip	: 1.67 %	Starting method	: Direct On Line
Rated torque	: 8.20 kgfm	Approx. weight[3]	: 128 kg
Locked rotor torque	: 260 %		
Breakdown torque	: 280 %		
Insulation class	: F		
Service factor	: 1.15		
Moment of inertia (J)	: 0.1104 kgm²		
Design	: B		

Output	50%	75%	100%
Efficiency (%)	91.7	93.0	93.0
Power Factor	0.63	0.72	0.82

Foundation loads

Max. traction	: 297 kgf
Max. compression	: 425 kgf

		Drive end	Non drive end
Bearing type	:	6309 Z C3	6209 Z C3
Sealing	:	Without Bearing Seal	Without Bearing Seal
Lubrication interval	:	20000 h	20000 h
Lubricant amount	:	13 g	9 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

Performed by				
Checked by			Page	Revision
Date	24/10/2024		1 / 2	

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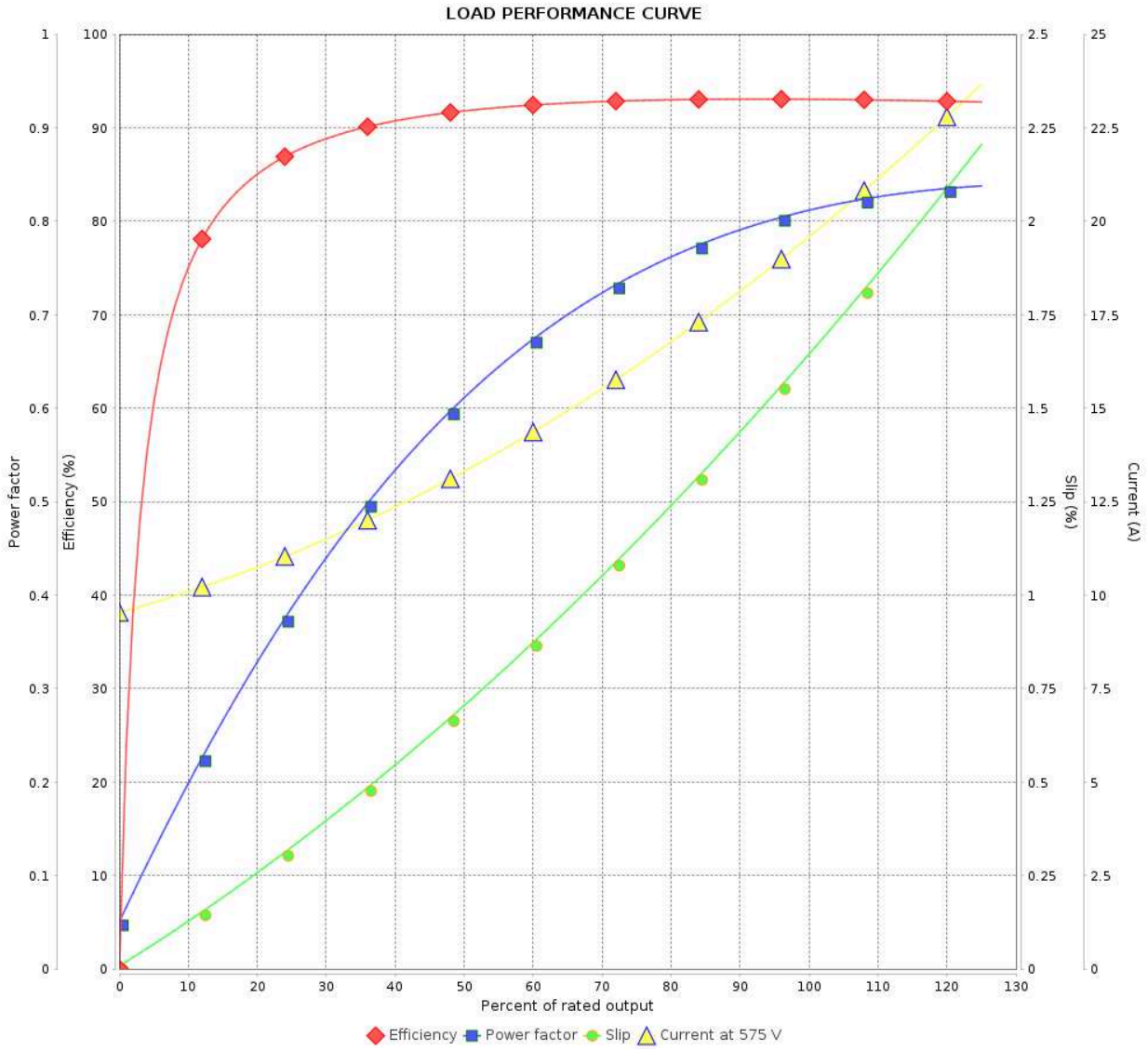
LOAD PERFORMANCE CURVE

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Product code : 11083738

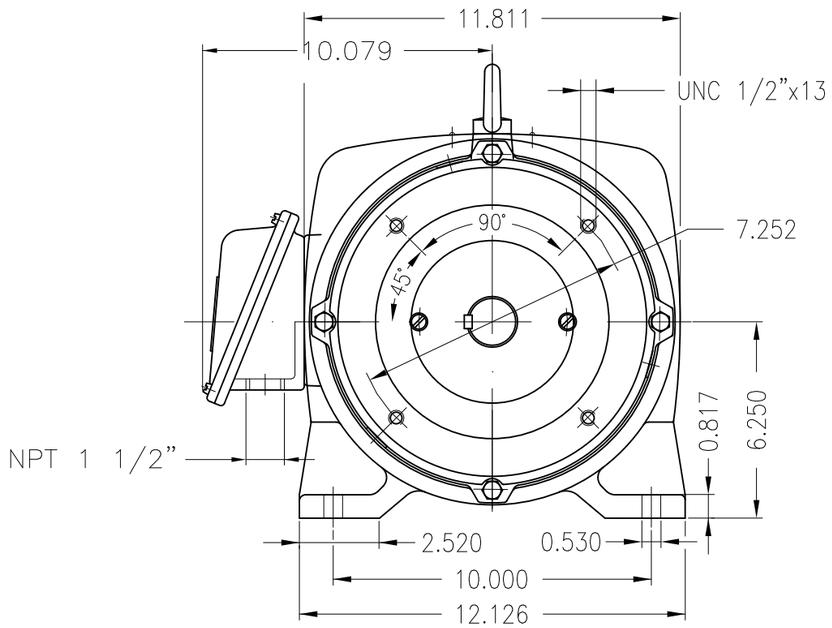


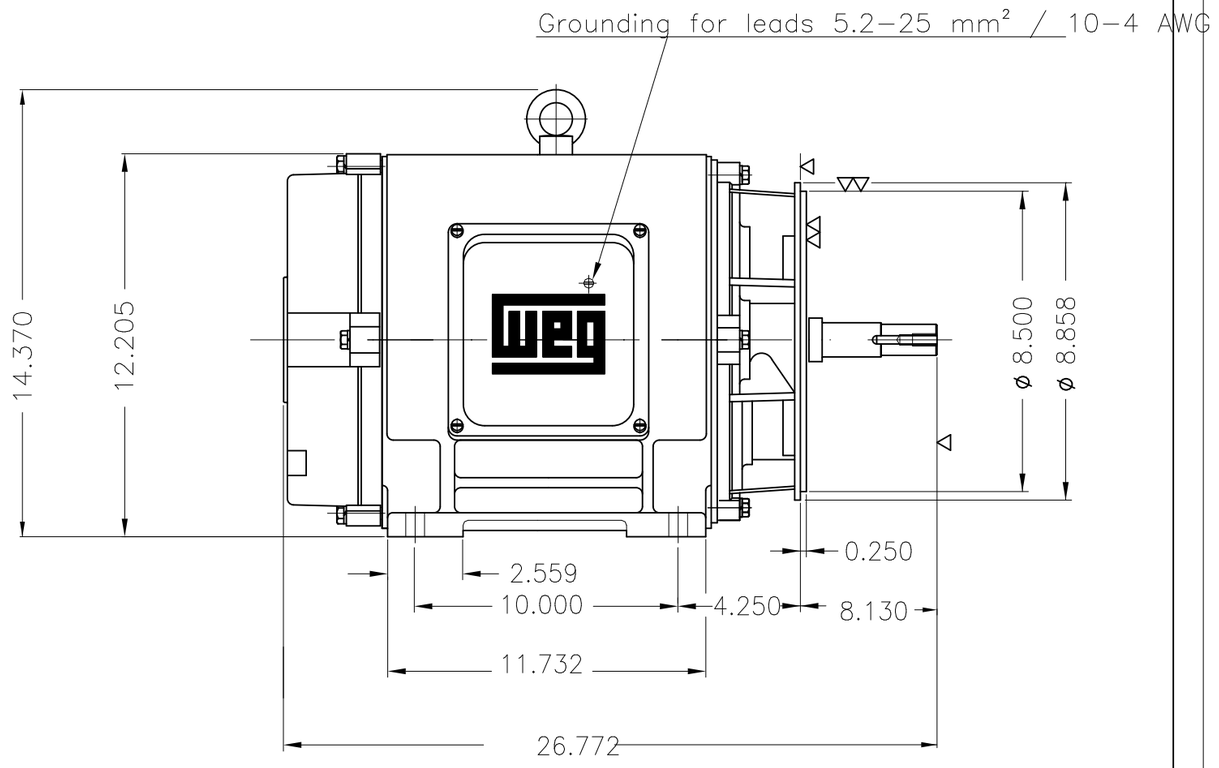
Performance	: 575 V 60 Hz 4P		
Rated current	: 19.8 A	Moment of inertia (J)	: 0.1104 kgm²
LRC	: 6.3	Duty cycle	: Cont.(S1)
Rated torque	: 8.20 kgfm	Insulation class	: F
Locked rotor torque	: 260 %	Service factor	: 1.15
Breakdown torque	: 280 %	Temperature rise	: 80 K
Rated speed	: 1770 rpm	Design	: B

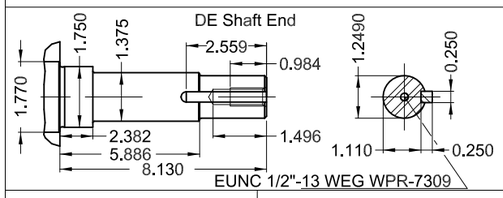
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20 HP 04 Poles 60 Hz | A

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

Color RAL 5009
Painting plan 203A
Mounting NEMA F-1
Mounting B34R(D)

EXECUTED	HYBRISUSER	THREE PH. MOTOR JM/JP/JET PUMP NEMA PREM. EFF.	PREVIEW
CHECKED		FRAME 256JP IP23 ODP	WDD 00
RELEASED			
REL. DATE		WMO Jaragua do Sul Product Engineering	SHEET 1 / 1

Dimensions in inches
XME A3

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