

DATA SHEET



Three Phase Induction Motor - Squirrel Cage

Customer	:			
Product line	: JM Pump NEMA Premium Efficiency Three-Phase	Product code : 13634356		
Frame	: 213/5JM	Cooling method : IC01 - ODP		
Insulation class	: F	Mounting : W-6		
Duty cycle	: Cont.(S1)	Rotation ¹ : Both (CW and CCW)		
Ambient temperature	: -20°C to +40°C	Starting method : Direct On Line		
Altitude	: 1000 m.a.s.l.	Approx. weight ³ : 55.5 kg		
Design	: B	Moment of inertia (J) : 0.0196 kgm ²		
Output [HP]		10		
Poles		2		
Frequency [Hz]		60		
Rated voltage [V]		575		
Rated current [A]		9.60		
L. R. Amperes [A]		65.3		
LRC [A]		6.8x(Code H)		
No load current [A]		3.73		
Rated speed [RPM]		3535		
Slip [%]		1.81		
Rated torque [kgfm]		2.05		
Locked rotor torque [%]		200		
Breakdown torque [%]		280		
Service factor		1.15		
Temperature rise		80 K		
Locked rotor time		19s (cold) 11s (hot)		
Noise level ²		66.0 dB(A)		
Efficiency (%)	25%			
	50%	88.5		
	75%	89.5		
	100%	89.5		
Power Factor	25%			
	50%	0.74		
	75%	0.84		
	100%	0.88		
Bearing type	: <u>Drive end</u> 6209 ZZ <u>Non drive end</u> 6206 ZZ	Foundation loads		
Sealing	: Without Without Bearing Seal Bearing Seal	Max. traction : 78 kgf Max. compression : 134 kgf		
Lubrication interval	: - -			
Lubricant amount	: - -			
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	16/05/2022		1 / 2	

LOAD PERFORMANCE CURVE

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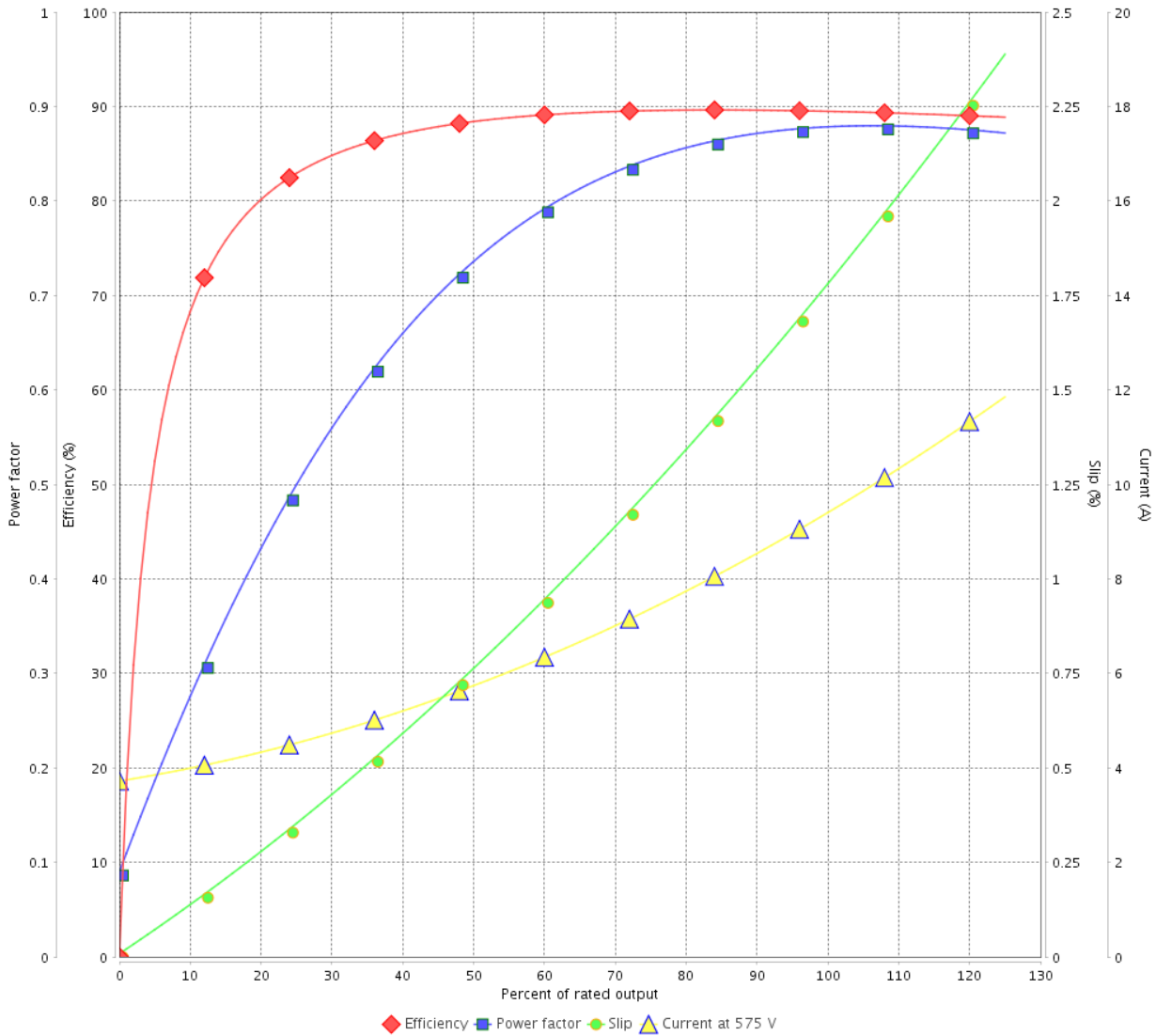


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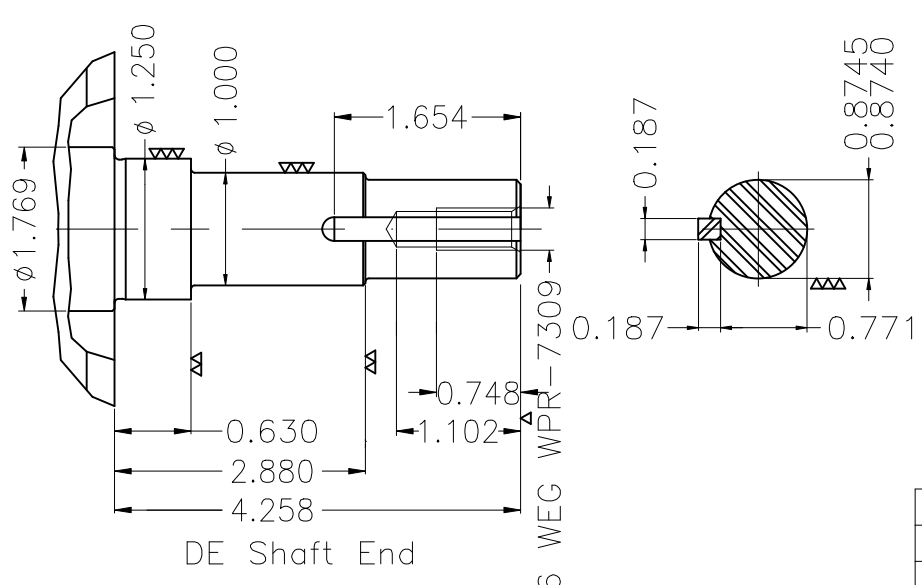
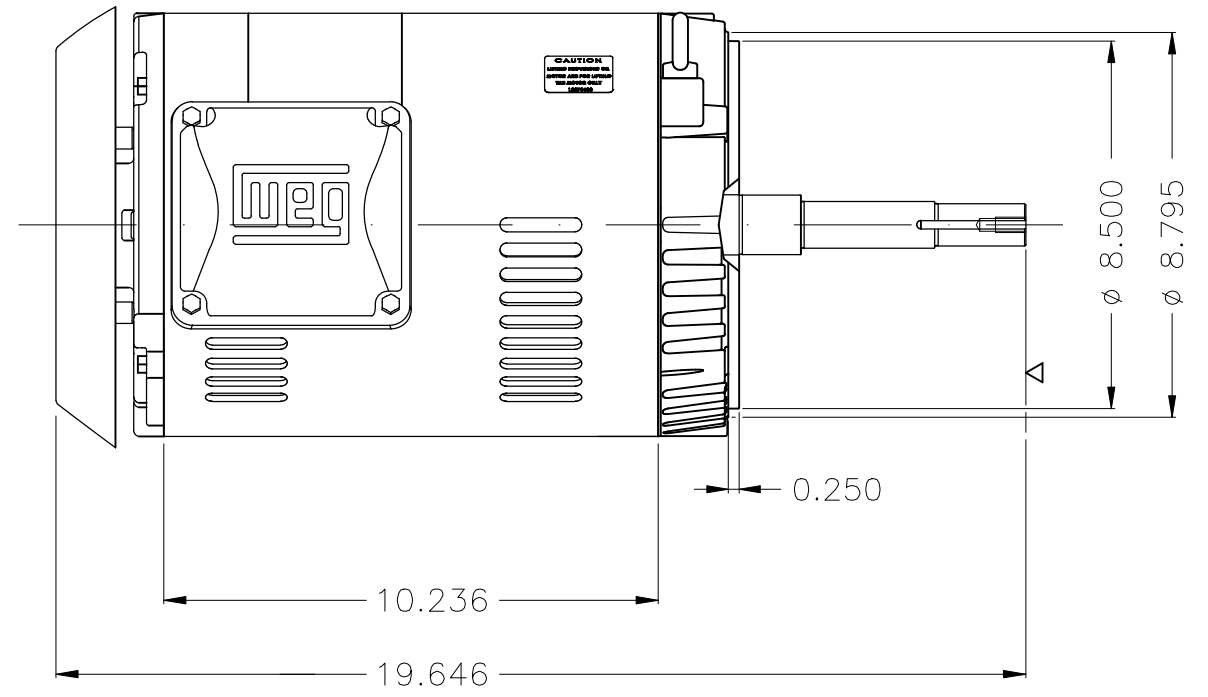
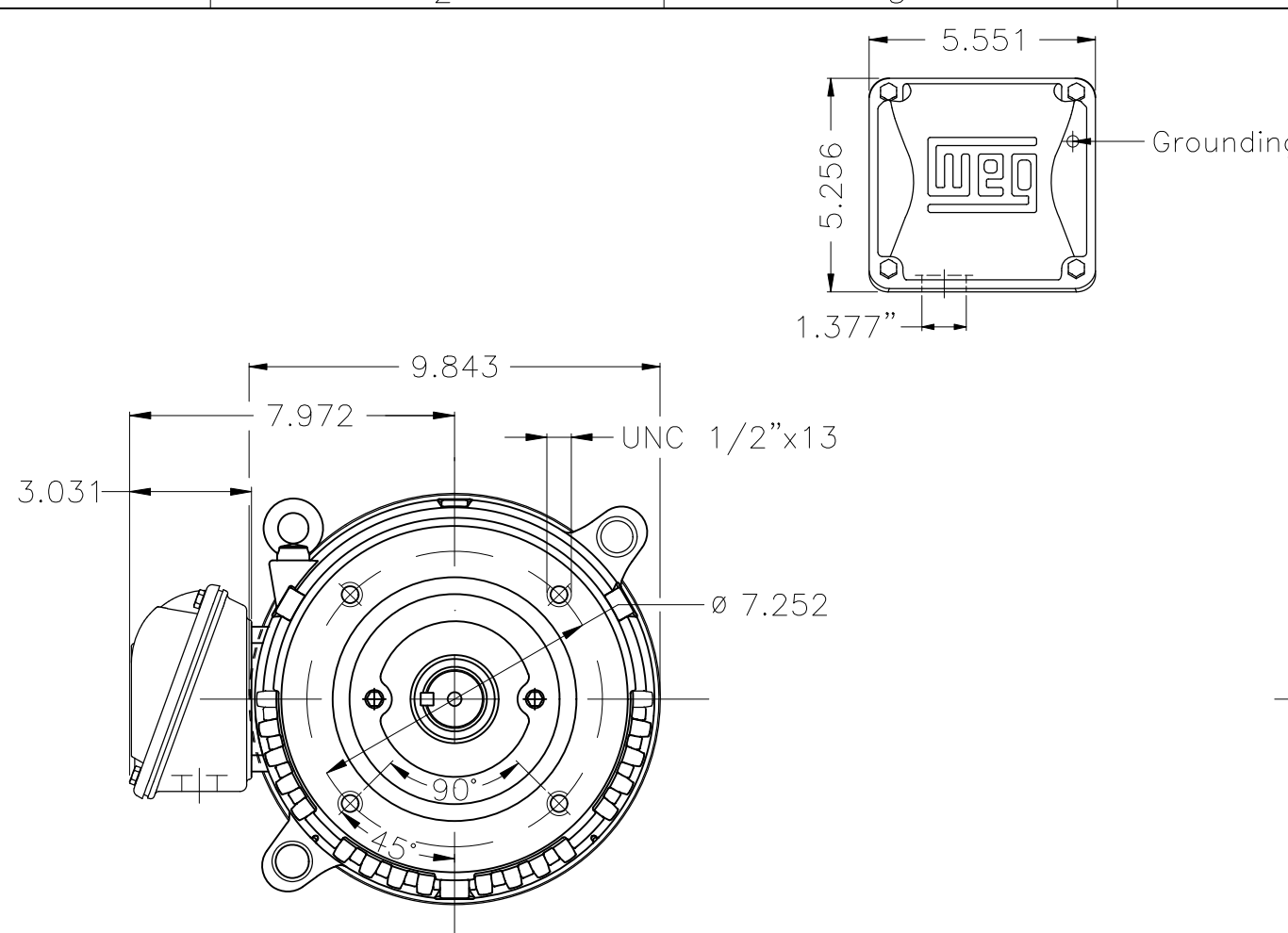


Performance : 575 V 60 Hz 2P

Rated current : 9.60 A
LRC : 6.8
Rated torque : 2.05 kgfm
Locked rotor torque : 200 %
Breakdown torque : 280 %
Rated speed : 3535 rpm

Moment of inertia (J) : 0.0196 kgm²
Duty cycle : Cont.(S1)
Insulation class : F
Service factor : 1.15
Temperature rise : 80 K
Design : B

Rev.	Changes Summary	Performed	Checked	Date
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EUNC 3/8"-16 WEG WPR-7309

Color Munsell N 1 matte black						
Painting plan 207N						
Mounting W-6/V18R(D)						
ECM	LOC	SUMMARY OF MODIFICATIONS			HYBRISUSER	00
EXECUTED	HYBRISUSER	THREE PH. MOTOR ROLLED STEEL JM NEMA PREM. EFF.			EXECUTED	CHECKED
CHECKED		FRAME 213/5JM IP21 ODP			RELEASED	DATE
RELEASED					VER	
REL. DATE	WMO	Jaragua do Sul	Product Engineering	PREVIEW	WDD	00
				SHEET	1 / 1	

10 HP 02 Poles 60 Hz



Dimensions in inches XME A3