

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :				
Product line	: JM Pump NEMA Premium Efficiency Three-Phase	Product code :	12770789	
Frame	: 254/6JM	Cooling method	: IC01 - ODP	
Insulation class	: F	Mounting	: F-1	
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	: 92.0 kg	
Design	: B	Moment of inertia (J)	: 0.0767 kgm ²	
Output [HP]	15			
Poles	4			
Frequency [Hz]	60			
Rated voltage [V]	575			
Rated current [A]	14.9			
L. R. Amperes [A]	100			
LRC [A]	6.7x(Code H)			
No load current [A]	7.60			
Rated speed [RPM]	1775			
Slip [%]	1.39			
Rated torque [kgfm]	6.13			
Locked rotor torque [%]	240			
Breakdown torque [%]	300			
Service factor	1.15			
Temperature rise	80 K			
Locked rotor time	30s (cold) 17s (hot)			
Noise level ²	64.0 dB(A)			
Efficiency (%)	25%	91.0		
	50%	91.7		
	75%	92.4		
	100%	93.0		
Power Factor	25%	0.36		
	50%	0.62		
	75%	0.73		
	100%	0.80		
Bearing type	: <u>Drive end</u> 6309 Z C3 <u>Non drive end</u> 6208 Z C3	Foundation loads		
Sealing	: Without Without	Max. traction	: 243 kgf	
	: Bearing Seal Bearing Seal	Max. compression	: 335 kgf	
Lubrication interval	: 20000 h 20000 h			
Lubricant amount	: 13 g 8 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
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LOAD PERFORMANCE CURVE

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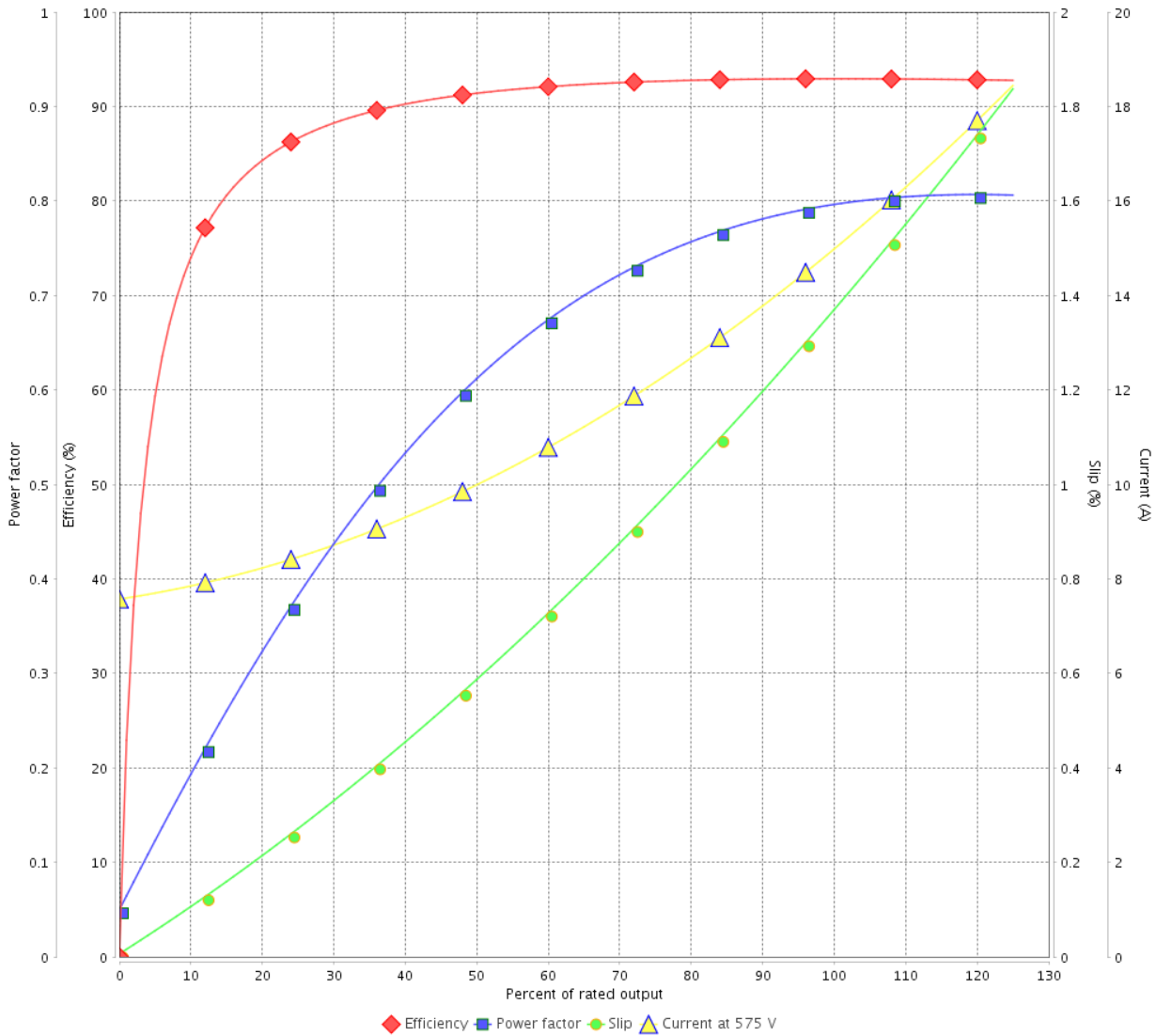


Customer :

Product line : JM Pump NEMA Premium
Efficiency Three-Phase

Product code : 12770789

LOAD PERFORMANCE CURVE



Performance : 575 V 60 Hz 4P

Rated current : 14.9 A
LRC : 6.7
Rated torque : 6.13 kgfm
Locked rotor torque : 240 %
Breakdown torque : 300 %
Rated speed : 1775 rpm

Moment of inertia (J) : 0.0767 kgm²
Duty cycle : Cont.(S1)
Insulation class : F
Service factor : 1.15
Temperature rise : 80 K
Design : B

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Checked by				
Date	16/05/2022			

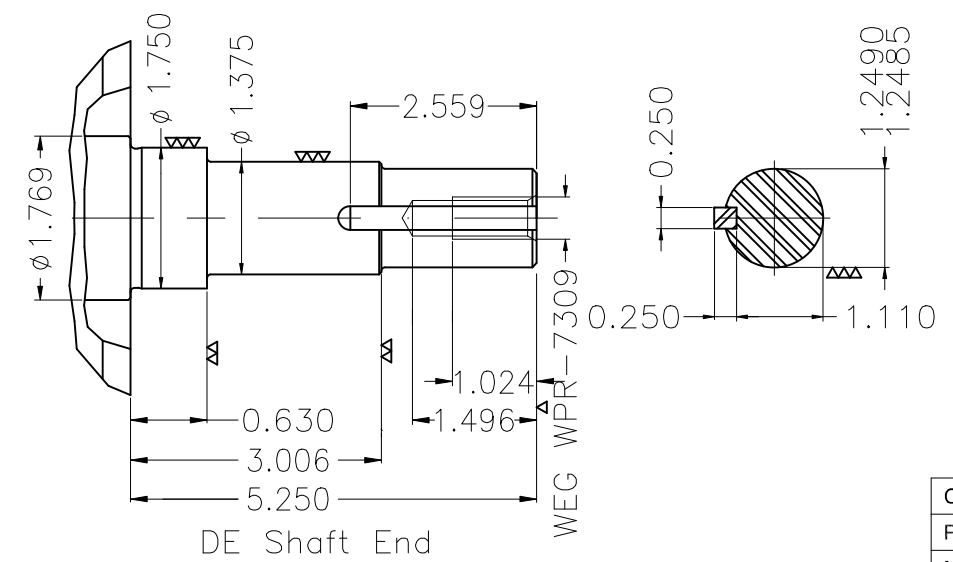
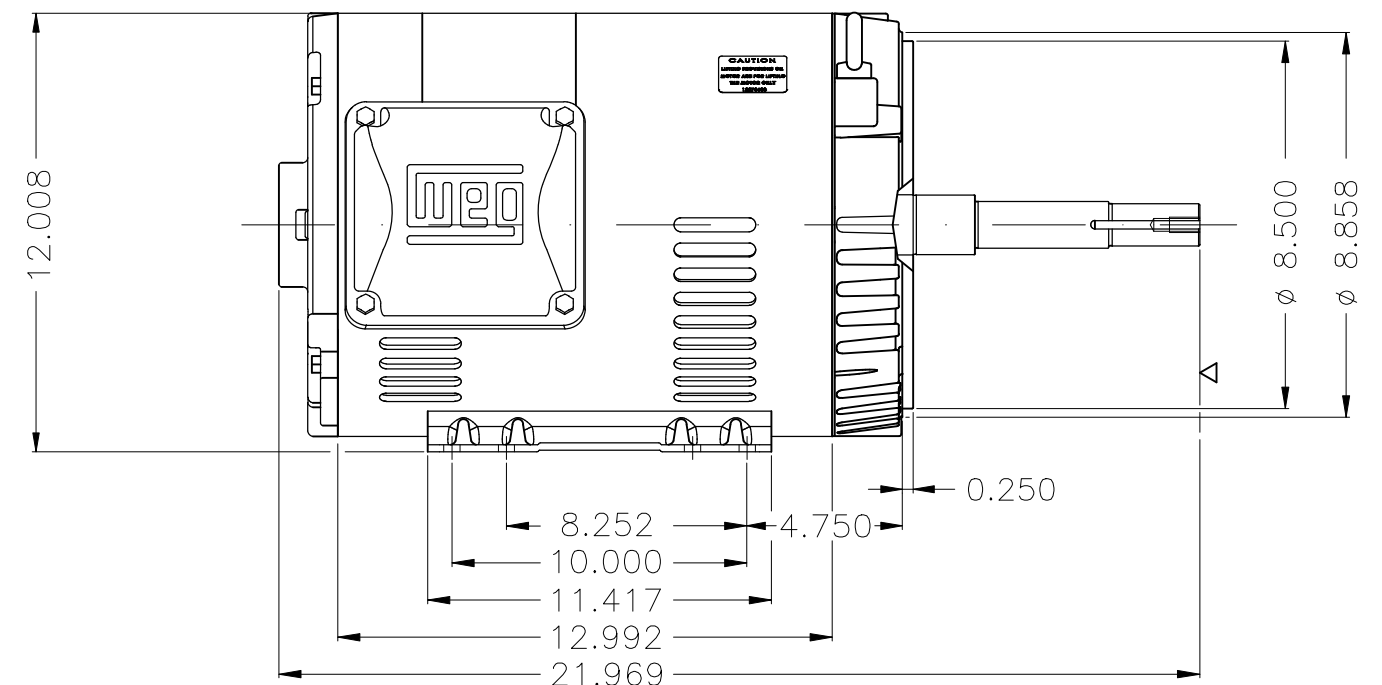
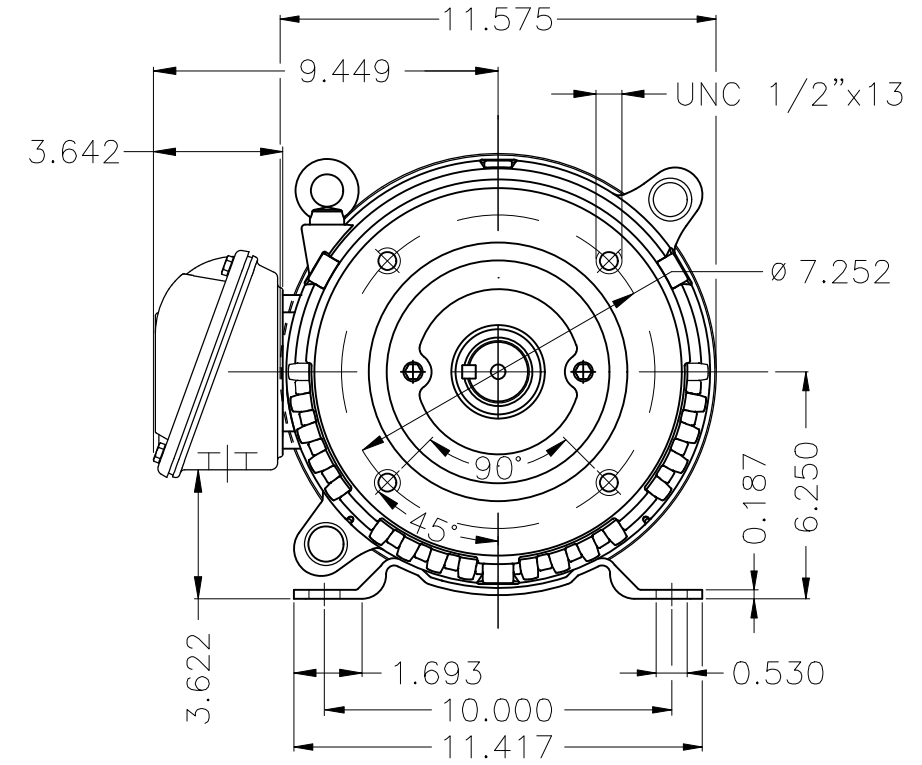
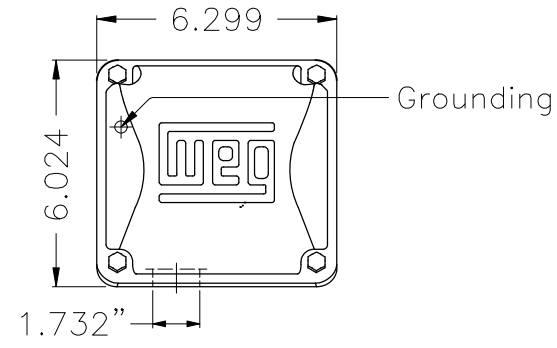
A

B

C

D

E



EUNC 1/2"-13 WEG WPR-7309

DE Shaft End

Color Munsell N 1 matte black						
Painting plan 207N						
Mounting B34D						
				HYBRISUSER		00
ECM	LOC	SUMMARY OF MODIFICATIONS		EXECUTED	CHECKED	RELEASED
EXECUTED	HYBRISUSER	THREE PH. MOTOR ROLLED STEEL JM NEMA PREM. EFF.				
CHECKED		FRAME 254/6JM IP21 ODP				
RELEASED						
REL. DATE		WMO	Jaragua do Sul	Product Engineering	WDD	00
				SHEET	1 / 1	

15 HP 04 Poles 60 Hz

