

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :				
Product line		: JM Pump NEMA Premium Efficiency Three-Phase		Product code : 13942720
Frame : 143/5JM Insulation class : F Duty cycle : Cont.(S1) Ambient temperature : -20°C to +40°C Altitude : 1000 m.a.s.l. Protection degree : IP55 Design : B		Cooling method : IC411 - TEFC Mounting : F-1 Rotation ¹ : Both (CW and CCW) Starting method : Direct On Line Approx. weight ³ : 19.3 kg Moment of inertia (J) : 0.0054 kgm ²		
Output [HP]		2		
Poles		2		
Frequency [Hz]		60		
Rated voltage [V]		575		
Rated current [A]		1.98		
L. R. Amperes [A]		19.6		
LRC [A]		9.9x(Code L)		
No load current [A]		0.850		
Rated speed [RPM]		3520		
Slip [%]		2.22		
Rated torque [kgfm]		0.412		
Locked rotor torque [%]		250		
Breakdown torque [%]		300		
Service factor		1.15		
Temperature rise		80 K		
Locked rotor time		23s (cold) 13s (hot)		
Noise level ²		68.0 dB(A)		
Efficiency (%)	25%			
	50%	82.5		
	75%	85.5		
	100%	85.5		
Power Factor	25%			
	50%	0.73		
	75%	0.83		
	100%	0.89		
Bearing type : <u>Drive end</u> 6206 ZZ <u>Non drive end</u> 6203 ZZ Sealing : V'Ring Without Bearing Seal Lubrication interval : - - Lubricant amount : - - Lubricant type : Mobil Polyrex EM		Foundation loads Max. traction : 25 kgf Max. compression : 45 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
Performed by				
Checked by			Page	Revision
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LOAD PERFORMANCE CURVE

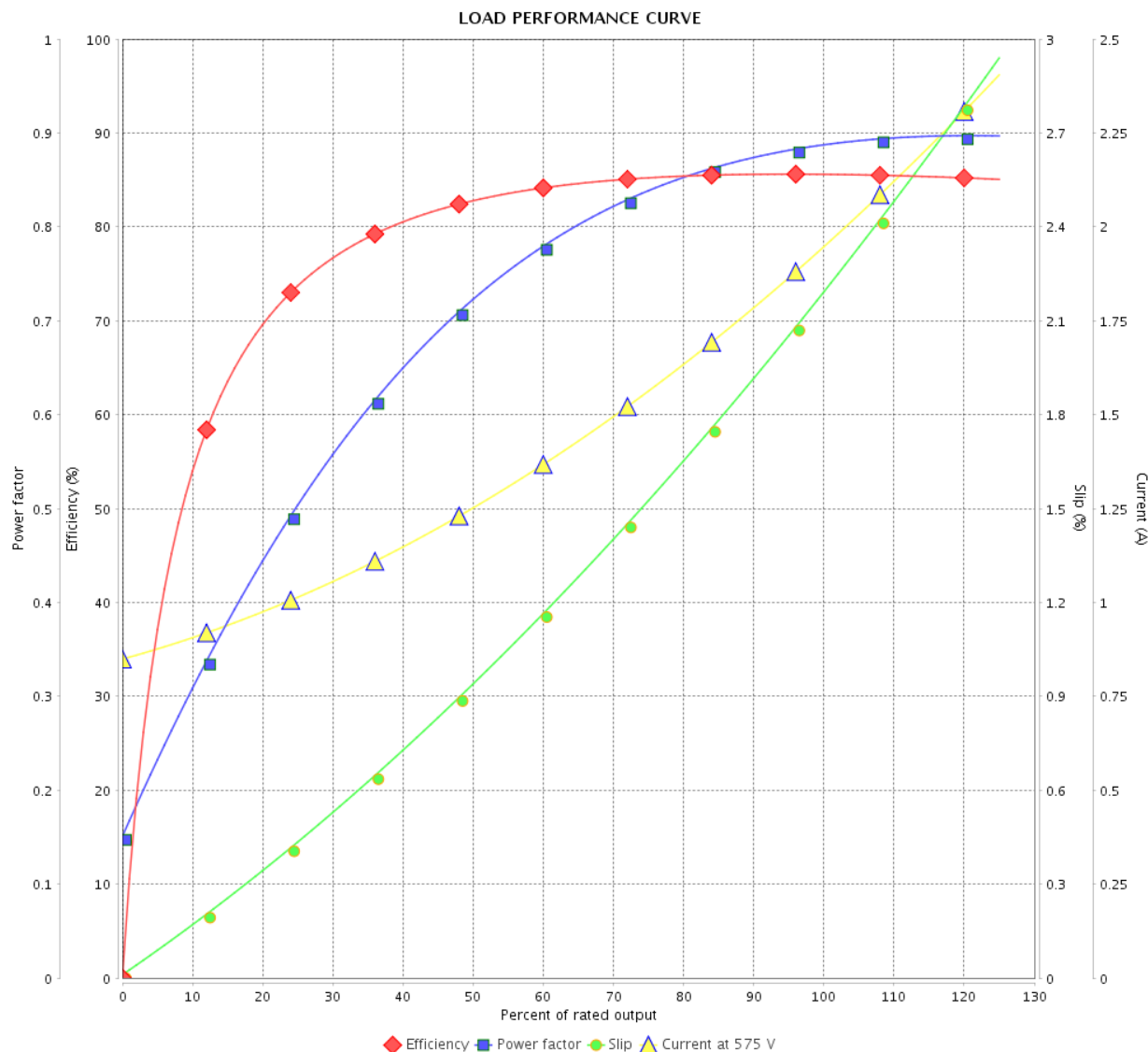
Three Phase Induction Motor - Squirrel Cage



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Product line : JM Pump NEMA Premium
Efficiency Three-Phase

Product code : 13942720

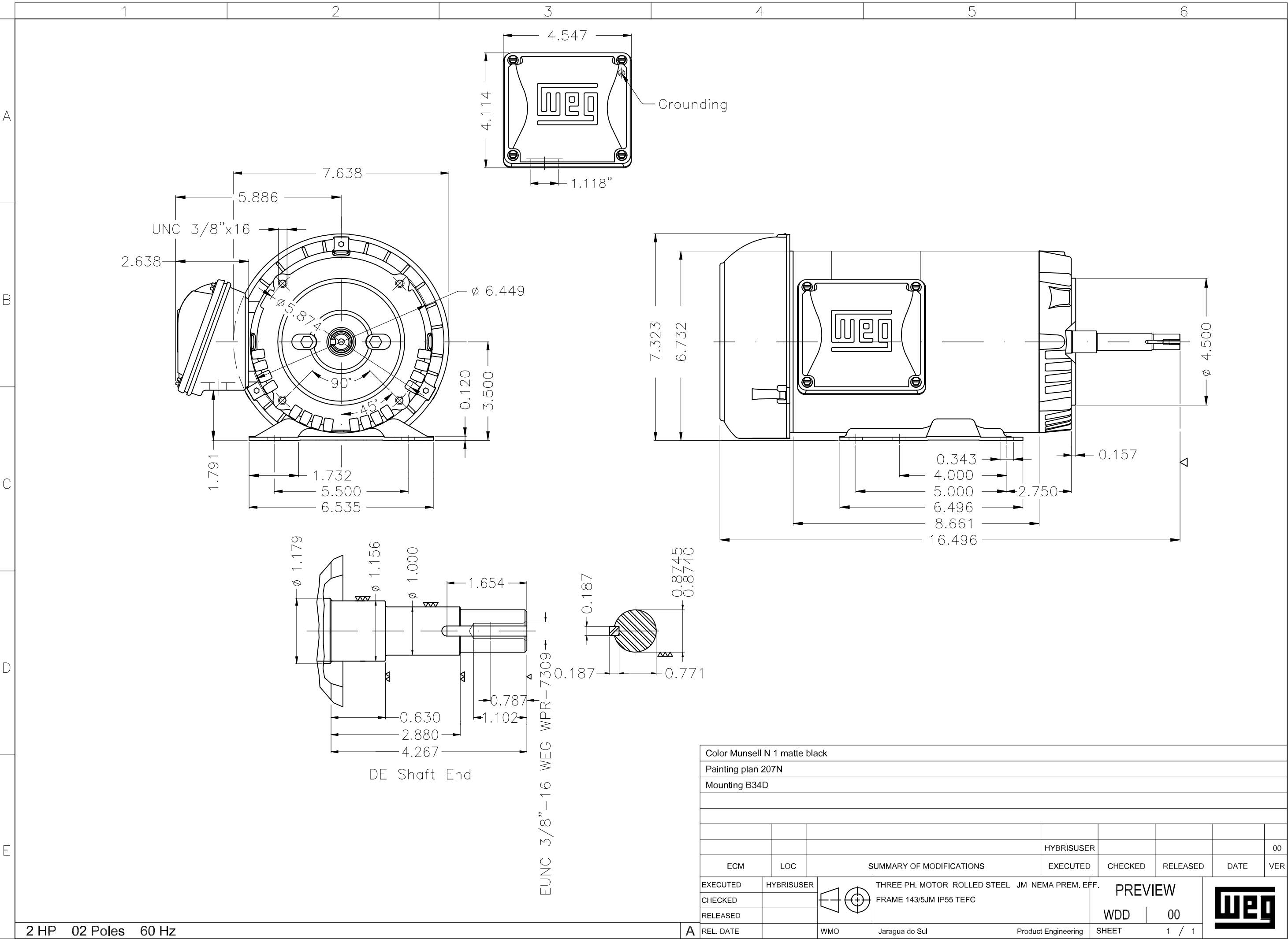


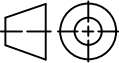
Performance : 575 V 60 Hz 2P

Rated current : 1.98 A
LRC : 9.9
Rated torque : 0.412 kgfm
Locked rotor torque : 250 %
Breakdown torque : 300 %
Rated speed : 3520 rpm

Moment of inertia (J) : 0.0054 kgm²
Duty cycle : Cont.(S1)
Insulation class : F
Service factor : 1.15
Temperature rise : 80 K
Design : B

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Color Munsell N 1 matte black										
Painting plan 207N										
Mounting B34D										
						HYBRISUSER			00	
ECM	LOC	SUMMARY OF MODIFICATIONS				EXECUTED	CHECKED	RELEASED	DATE VER	
EXECUTED	HYBRISUSER	 THREE PH. MOTOR ROLLED STEEL JM NEMA PREM. EFF. FRAME 143/5JM IP55 TEFC				PREVIEW WDD 00				
CHECKED										
RELEASED										
REL. DATE		WMO	Jaragua do Sul	Product Engineering	SHEET	1 / 1				