

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :				
Product line		: JM Pump NEMA Premium Efficiency Three-Phase		Product code : 13401475
Frame : 213/5JM		Cooling method : IC411 - TEFC		
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 : 64.4 kg		
Protection degree : IP55		Moment of inertia (J) : 0.0451 kgm ²		
Design : B				
Output [HP]		10		
Poles		4		
Frequency [Hz]		60		
Rated voltage [V]		575		
Rated current [A]		9.76		
L. R. Amperes [A]		68.3		
LRC [A]		7.0x(Code H)		
No load current [A]		4.43		
Rated speed [RPM]		1760		
Slip [%]		2.22		
Rated torque [kgfm]		4.12		
Locked rotor torque [%]		250		
Breakdown torque [%]		300		
Service factor		1.15		
Temperature rise		80 K		
Locked rotor time		27s (cold) 15s (hot)		
Noise level ²		60.0 dB(A)		
Efficiency (%)	25%	90.2		
	50%	91.0		
	75%	91.0		
	100%	91.7		
Power Factor	25%	0.41		
	50%	0.67		
	75%	0.78		
	100%	0.84		
Bearing type : 6209 ZZ		Drive end	Non drive end	Foundation loads
Sealing : V'Ring				Max. traction : 196 kgf
Lubrication interval : -				Max. compression : 261 kgf
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
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LOAD PERFORMANCE CURVE

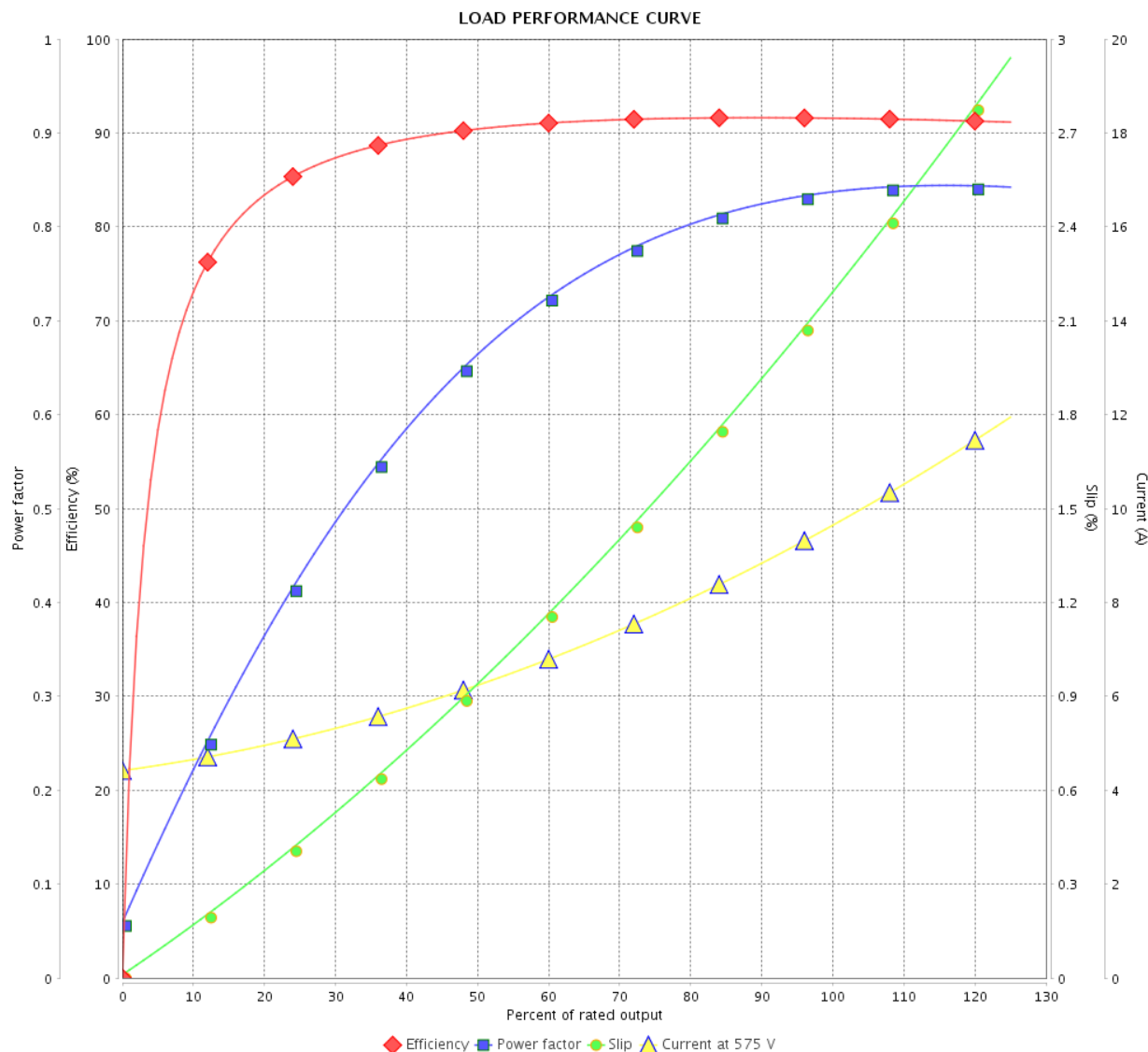
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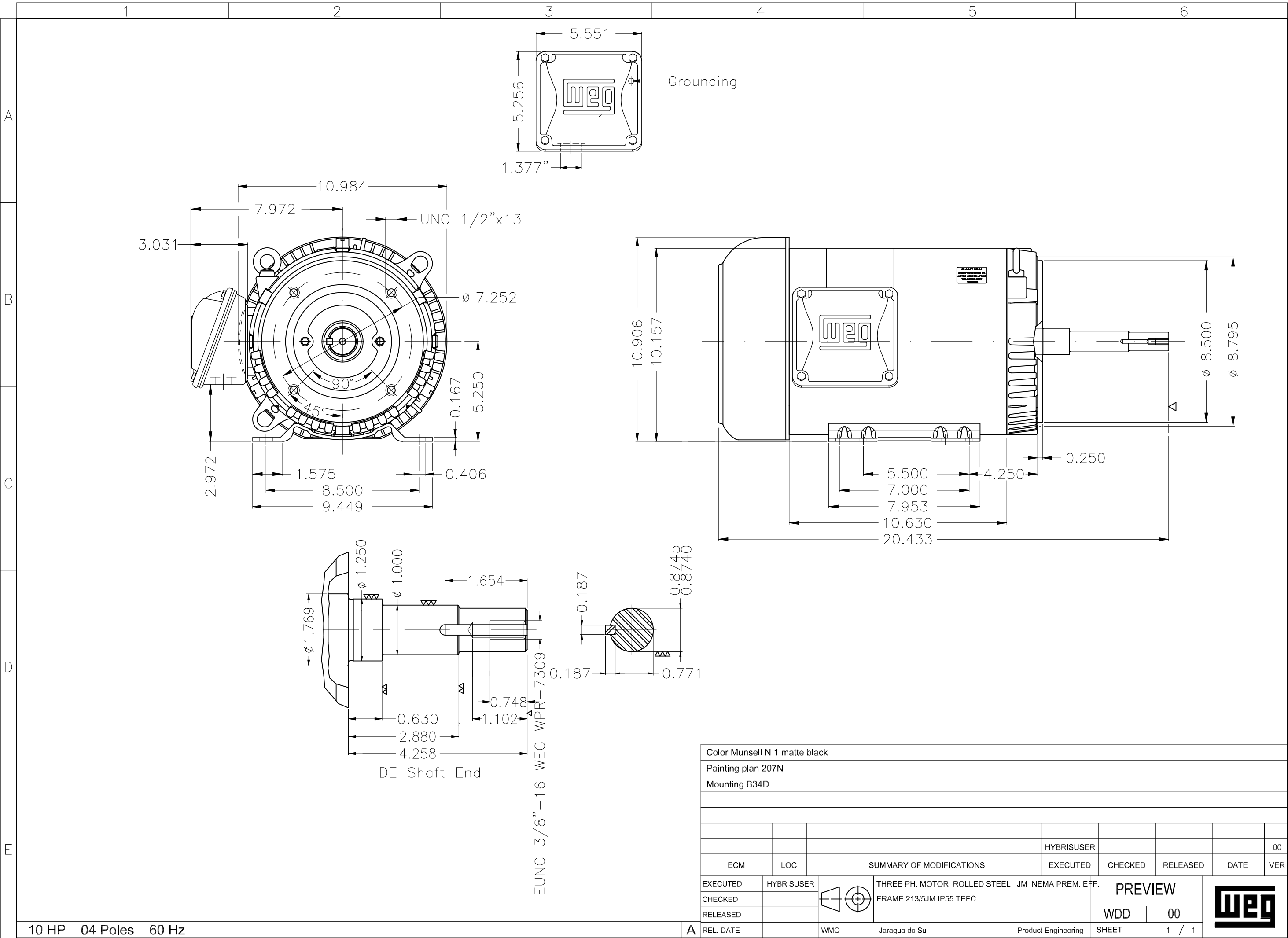


Performance : 575 V 60 Hz 4P

Rated current : 9.76 A
LRC : 7.0
Rated torque : 4.12 kgfm
Locked rotor torque : 250 %
Breakdown torque : 300 %
Rated speed : 1760 rpm

Moment of inertia (J) : 0.0451 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									