

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :				
Product line		: JP Pump NEMA Premium Efficiency Three-Phase		Product code : 13311846
Frame : 254/6JP 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 : 117 kg Moment of inertia (J) : 0.1113 kgm ²		
Output [HP]		20		
Poles		4		
Frequency [Hz]		60		
Rated voltage [V]		575		
Rated current [A]		19.8		
L. R. Amperes [A]		132		
LRC [A]		6.7x(Code H)		
No load current [A]		8.89		
Rated speed [RPM]		1765		
Slip [%]		1.94		
Rated torque [kgfm]		8.22		
Locked rotor torque [%]		270		
Breakdown torque [%]		300		
Service factor		1.15		
Temperature rise		80 K		
Locked rotor time		28s (cold) 16s (hot)		
Noise level ²		68.0 dB(A)		
Efficiency (%)	25%	91.0		
	50%	91.7		
	75%	92.4		
	100%	93.0		
Power Factor	25%	0.40		
	50%	0.66		
	75%	0.77		
	100%	0.82		
Bearing type : <u>Drive end</u> 6309 Z C3 <u>Non drive end</u> 6208 Z C3 Sealing : V'Ring Without Bearing Seal Lubrication interval : 20000 h 20000 h Lubricant amount : 13 g 8 g Lubricant type : Mobil Polyrex EM		Foundation loads Max. traction : 330 kgf Max. compression : 446 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.		
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LOAD PERFORMANCE CURVE

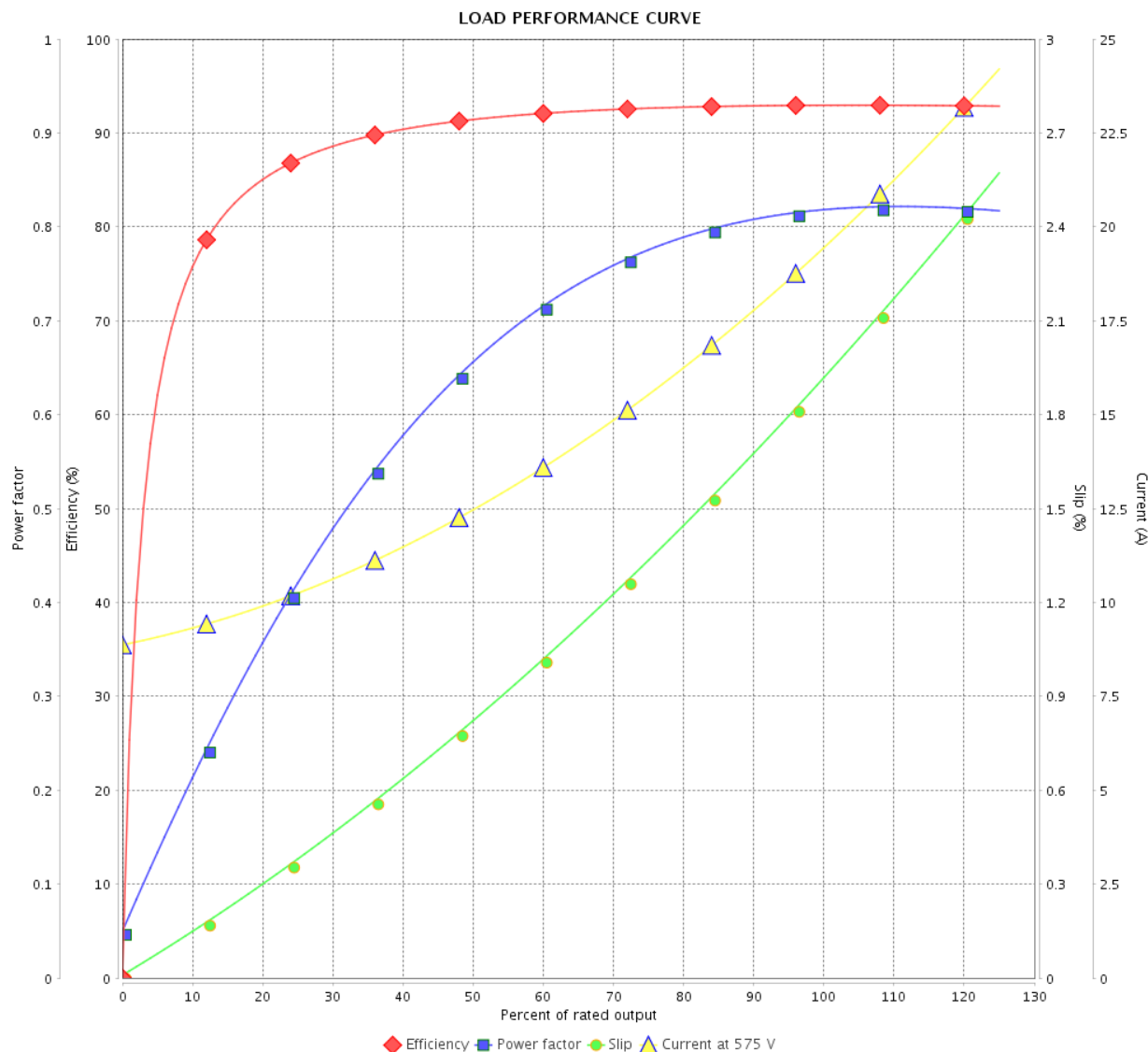
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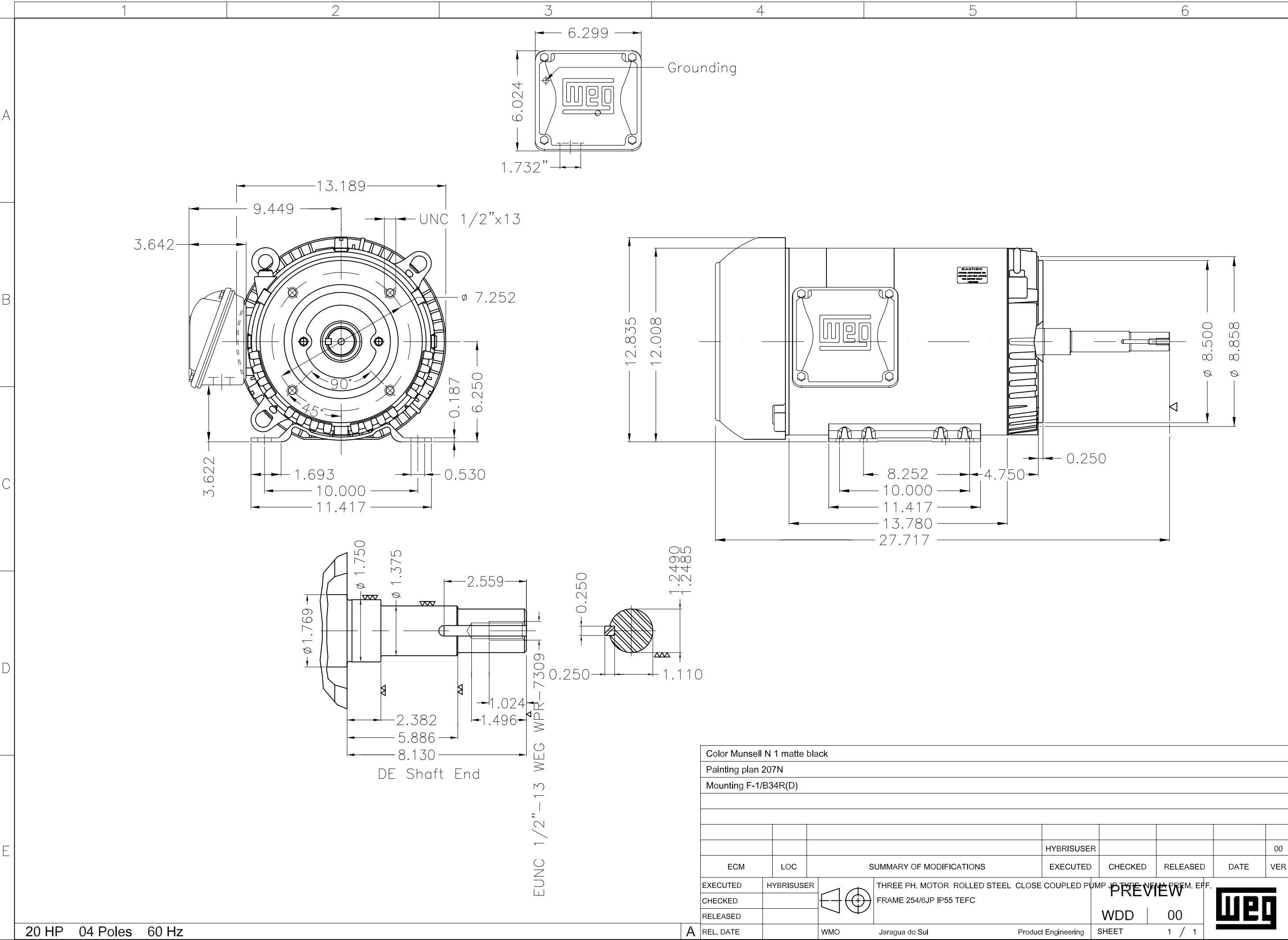


Performance : 575 V 60 Hz 4P

Rated current : 19.8 A
LRC : 6.7
Rated torque : 8.22 kgfm
Locked rotor torque : 270 %
Breakdown torque : 300 %
Rated speed : 1765 rpm

Moment of inertia (J) : 0.1113 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 F-1/B34R(D)									