

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :				
Product line		: JP Pump NEMA Premium Efficiency Three-Phase		Product code : 13311846
Frame	: 254/6JP	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 ²	: 117 kg	
Protection degree	: IP55	Moment of inertia (J)	: 0.1113 kgm ²	
Design	: B			
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	: Drive end 6309 Z C3 Non drive end 6208 Z C3	Foundation loads		
Sealing	: V'Ring Without Bearing Seal	Max. traction : 330 kgf		
Lubrication interval	: 20000 h 20000 h	Max. compression : 446 kgf		
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
Performed by				
Checked by			Page	Revision
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LOAD PERFORMANCE CURVE

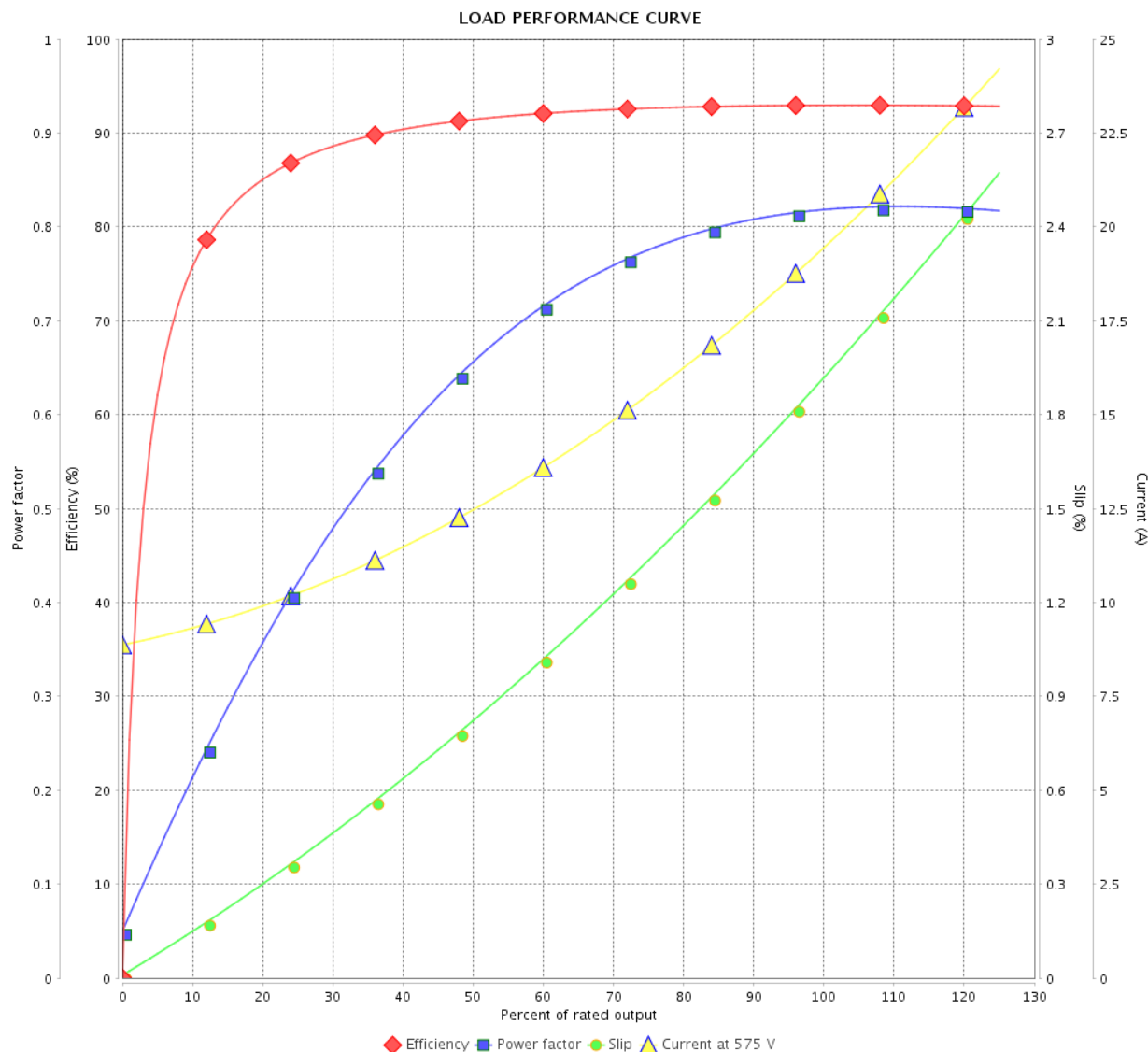
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Efficiency Three-Phase

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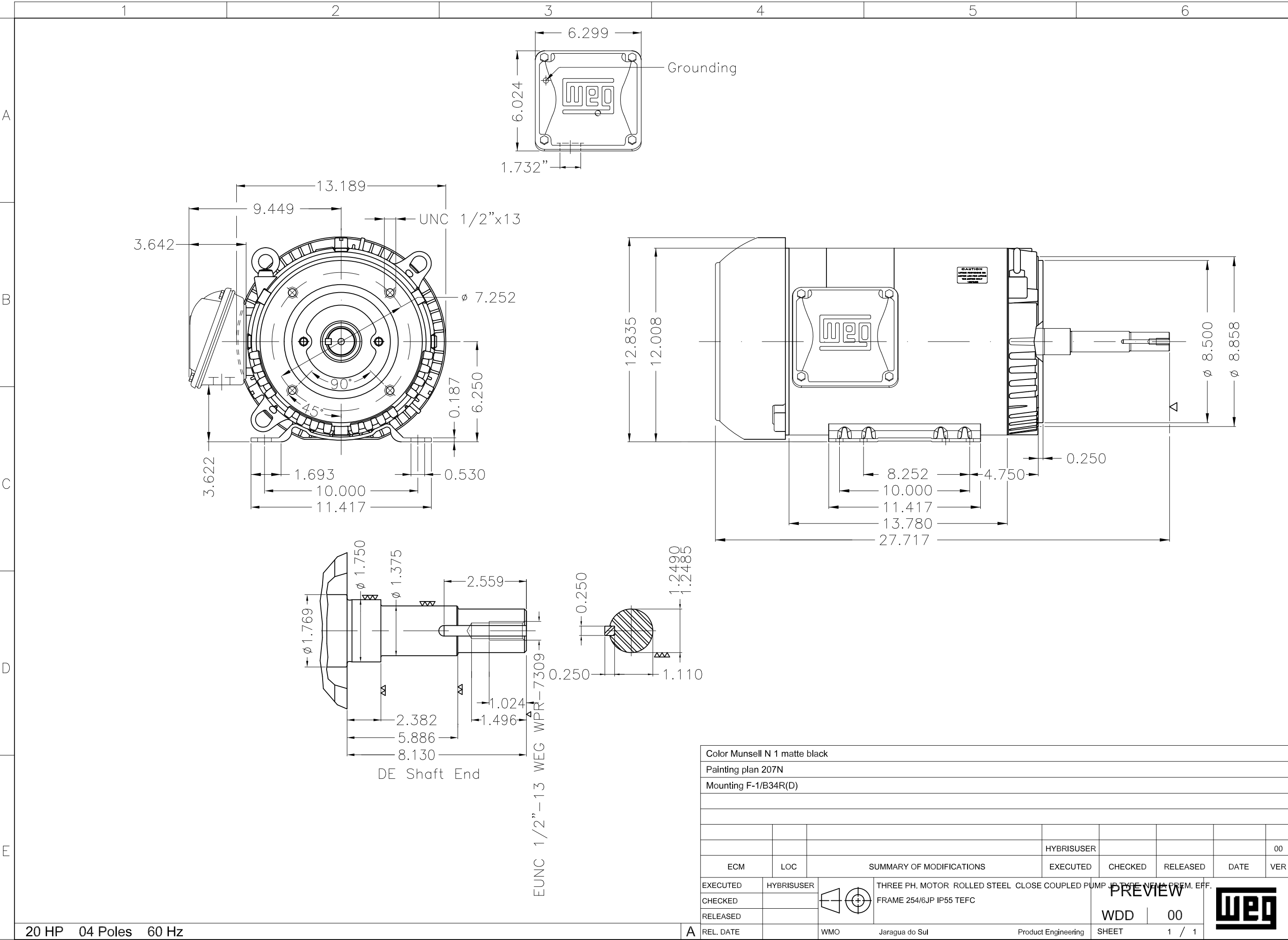


Performance : 575 V 60 Hz 4P

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

Rev.	Changes Summary	Performed	Checked	Date
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Color Munsell N 1 matte black									
Painting plan 207N									
Mounting F-1/B34R(D)									