

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :				
Product line		: Premium Efficiency Three-Phase	Product code :	14451786
Frame	: W56C	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	: 8.9 kg	
Protection degree	: IP55	Moment of inertia (J)	: 0.0009 kgm ²	
Output [HP]	0.75			
Poles	2			
Frequency [Hz]	60			
Rated voltage [V]	575			
Rated current [A]	0.896			
L. R. Amperes [A]	7.26			
LRC [A]	8.1x(Code L)			
No load current [A]	0.498			
Rated speed [RPM]	3440			
Slip [%]	4.44			
Rated torque [kgfm]	0.158			
Locked rotor torque [%]	350			
Breakdown torque [%]	360			
Service factor	1.15			
Temperature rise	80 K			
Locked rotor time	28s (cold) 16s (hot)			
Noise level ²	65.0 dB(A)			
Efficiency (%)	25%			
	50%	70.0		
	75%	75.5		
	100%	77.0		
Power Factor	25%			
	50%	0.62		
	75%	0.74		
	100%	0.80		
Bearing type	: Drive end 6203 ZZ	Non drive end 6202 ZZ	Foundation loads	
Sealing	: V'Ring	Without Bearing Seal	Max. traction : 13 kgf	
Lubrication interval	: -	-	Max. compression : 22 kgf	
Lubricant amount	: -	-		
Lubricant type	: Mobil Polyrex EM			
Notes				
<p>This revision replaces and cancel the previous one, which must be eliminated.</p> <p>(1) Looking the motor from the shaft end.</p> <p>(2) Measured at 1m and with tolerance of +3dB(A).</p> <p>(3) Approximate weight subject to changes after manufacturing process.</p> <p>(4) At 100% of full load.</p>			<p>These are average values based on tests with sinusoidal power supply, subject to the tolerances stipulated in NEMA MG-1.</p>	
Rev.	Changes Summary		Performed	Checked
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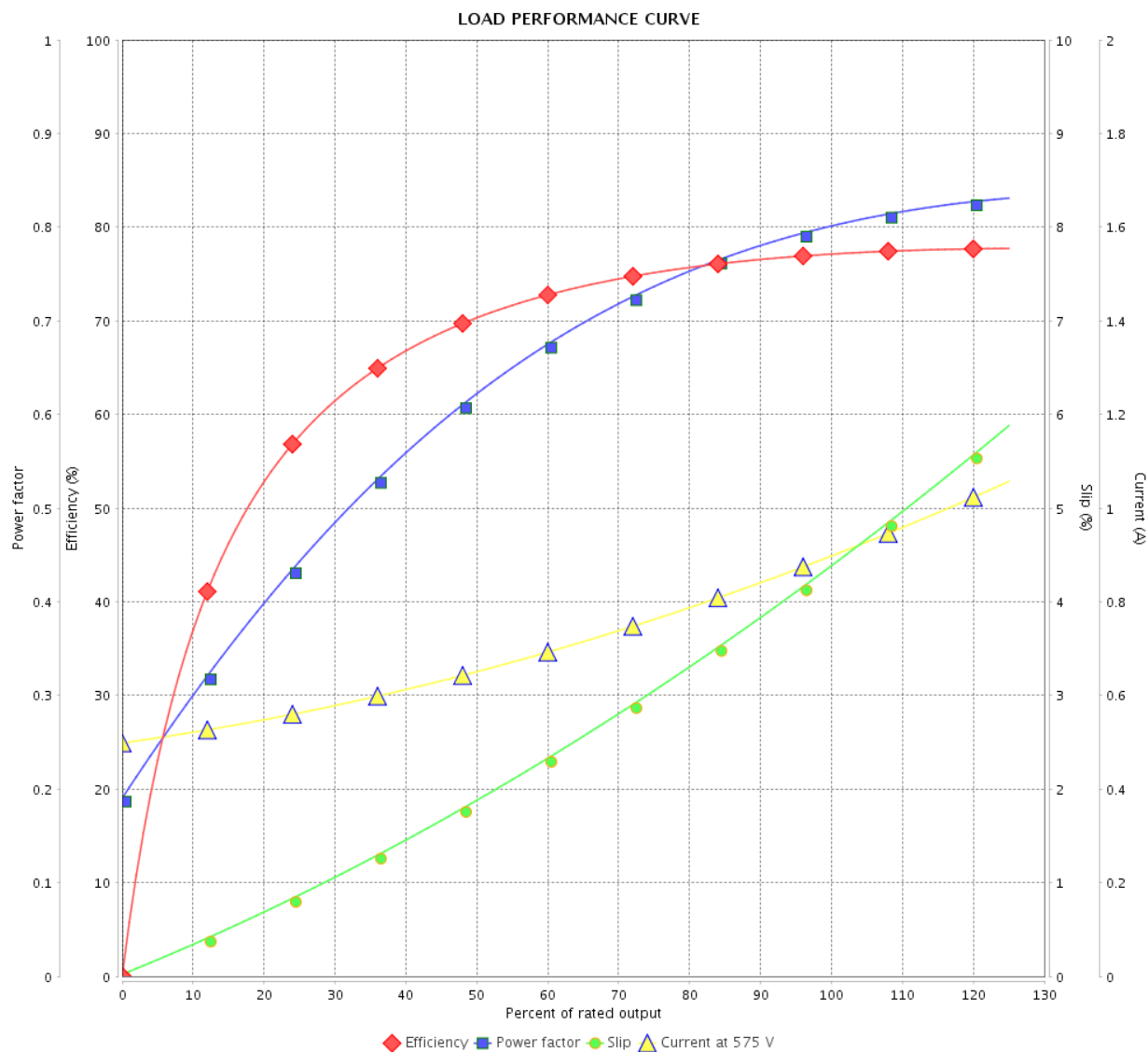
LOAD PERFORMANCE CURVE

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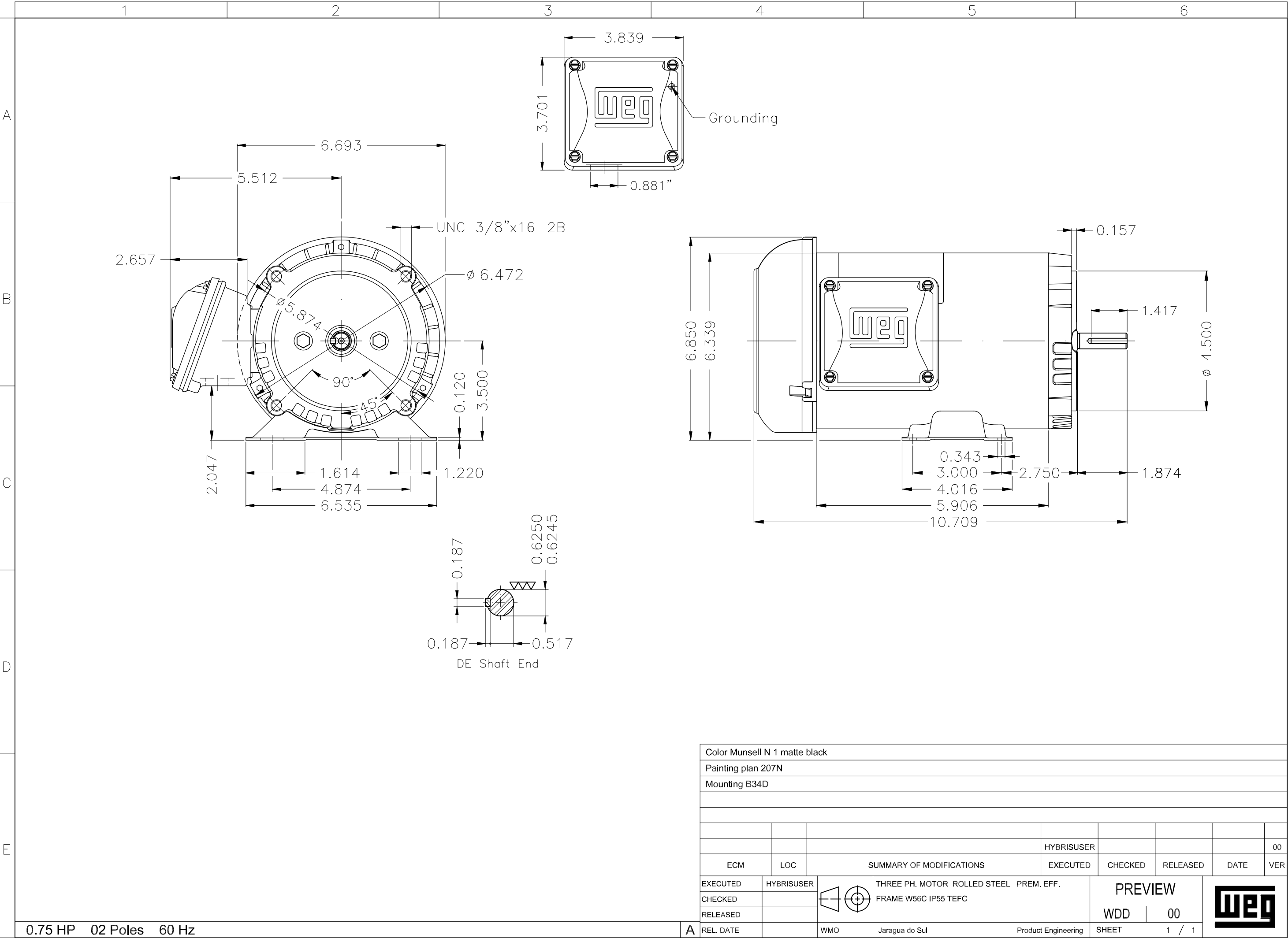


Performance : 575 V 60 Hz 2P

Rated current : 0.896 A
 LRC : 8.1
 Rated torque : 0.158 kgfm
 Locked rotor torque : 350 %
 Breakdown torque : 360 %
 Rated speed : 3440 rpm

Moment of inertia (J) : 0.0009 kgm²
 Duty cycle : Cont.(S1)
 Insulation class : F
 Service factor : 1.15
 Temperature rise : 80 K

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Color Munsell N 1 matte black									
Painting plan 207N									
Mounting B34D									