

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :				
Product line : Three-Phase		Product code : 14562089		
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 : 6.8 kg			
Protection degree : IP55	Moment of inertia (J) : 0.0012 kgm ²			
Output [HP]	0.25			
Poles	4			
Frequency [Hz]	60			
Rated voltage [V]	575			
Rated current [A]	0.374			
L. R. Amperes [A]	2.10			
LRC [A]	5.6x(Code K)			
No load current [A]	0.302			
Rated speed [RPM]	1740			
Slip [%]	3.33			
Rated torque [kgfm]	0.104			
Locked rotor torque [%]	240			
Breakdown torque [%]	320			
Service factor	1.15			
Temperature rise	80 K			
Locked rotor time	50s (cold) 28s (hot)			
Noise level ²	50.0 dB(A)			
Efficiency (%)	25%			
	50%	59.5		
	75%	66.0		
	100%	70.0		
Power Factor	25%			
	50%	0.48		
	75%	0.60		
	100%	0.69		
Bearing type : 6203 ZZ	Drive end	Non drive end	Foundation loads	
Sealing : V'Ring			Max. traction : 7 kgf	
Lubrication interval : -			Max. compression : 14 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
Performed by			Page 1 / 2	Revision
Checked by				
Date	17/05/2022			

LOAD PERFORMANCE CURVE

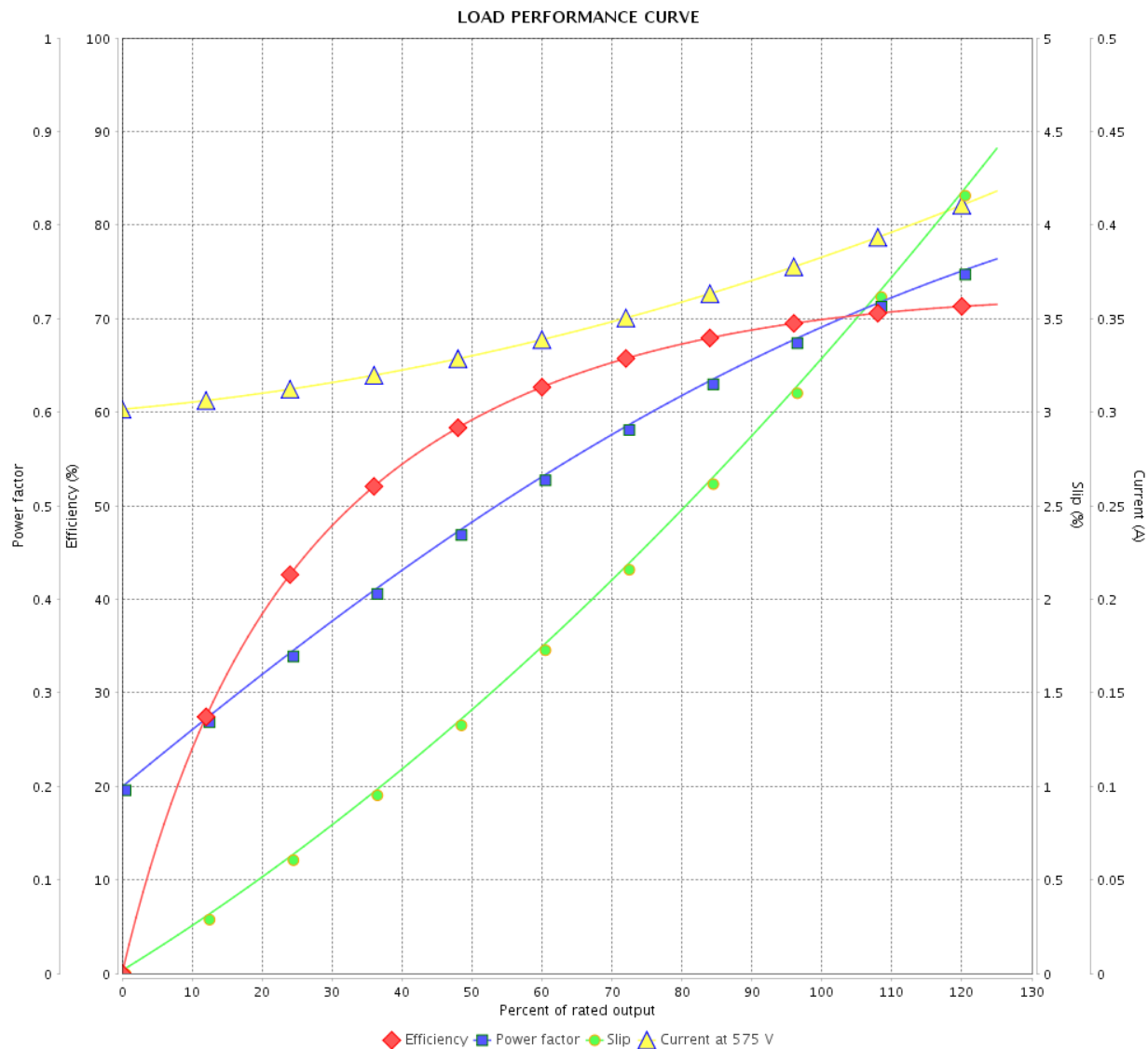
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Product code : 14562089

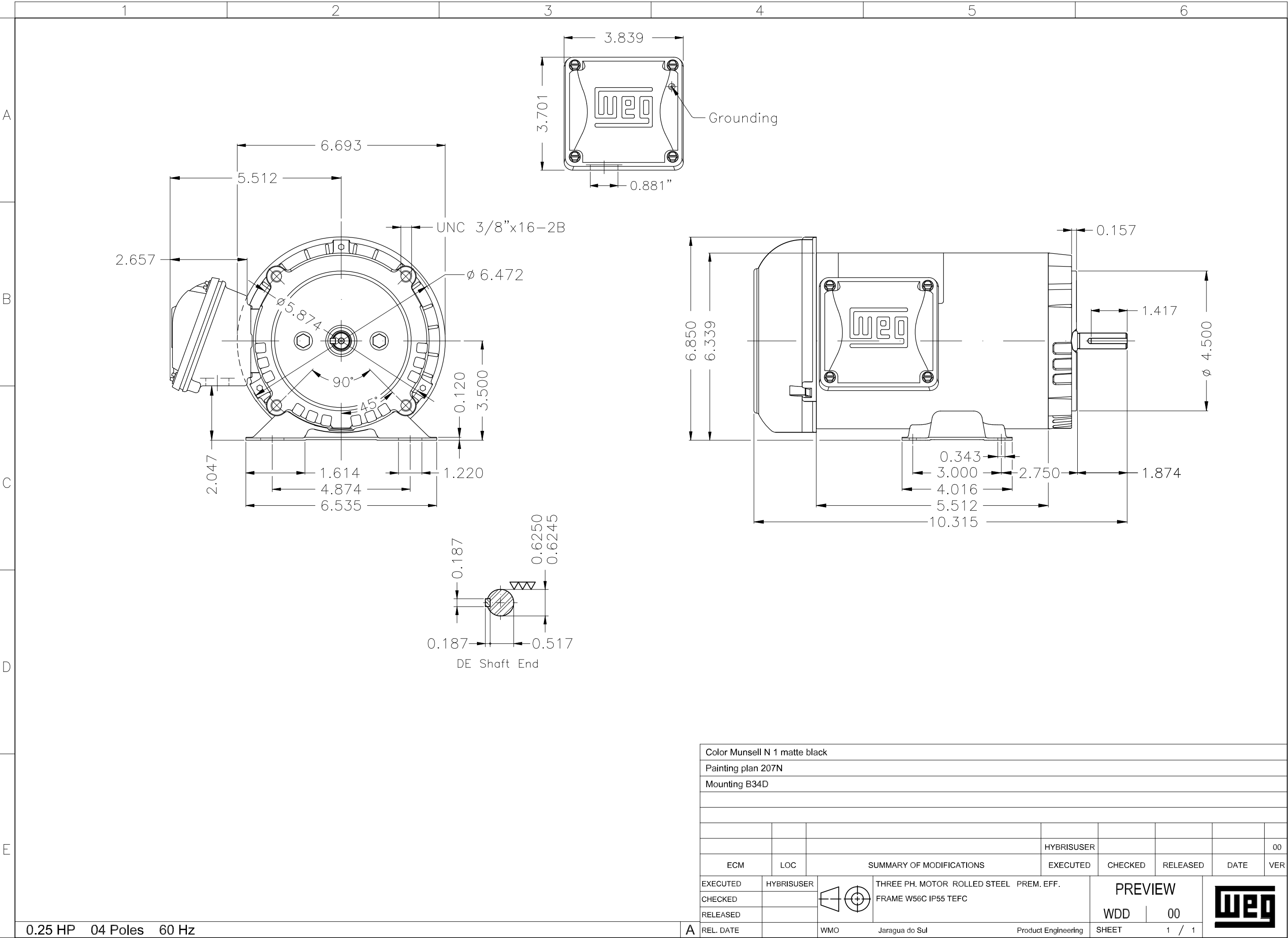


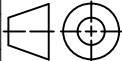
Performance : 575 V 60 Hz 4P

Rated current : 0.374 A
 LRC : 5.6
 Rated torque : 0.104 kgfm
 Locked rotor torque : 240 %
 Breakdown torque : 320 %
 Rated speed : 1740 rpm

Moment of inertia (J) : 0.0012 kgm²
 Duty cycle : Cont.(S1)
 Insulation class : F
 Service factor : 1.15
 Temperature rise : 80 K

Rev.	Changes Summary		Performed	Checked	Date
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Date					



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 PREM. EFF. FRAME W56C IP55 TEFC			PREVIEW			
CHECKED									
RELEASED									
REL. DATE									
		WMO	Jaragua do Sul	Product Engineering	SHEET	1	/	1	