

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :					
Product line		: Standard Efficiency Three-Phase	Product code : 13638773		
Frame : 56HC Insulation class : F Duty cycle : Cont.(S1) Ambient temperature : -20°C to +40°C Altitude : 1000 m.a.s.l. Protection degree : IP55 Design : A		Cooling method : IC411 - TEFC Mounting : F-1 Rotation ¹ : Both (CW and CCW) Starting method : Direct On Line Approx. weight ³ : 16.0 kg Moment of inertia (J) : 0.0067 kgm ²			
Output [HP]	1				
Poles	6				
Frequency [Hz]	60				
Rated voltage [V]	575				
Rated current [A]	1.34				
L. R. Amperes [A]	7.48				
LRC [A]	5.6x(Code J)				
No load current [A]	0.920				
Rated speed [RPM]	1145				
Slip [%]	4.58				
Rated torque [kgfm]	0.634				
Locked rotor torque [%]	210				
Breakdown torque [%]	260				
Service factor	1.15				
Temperature rise	80 K				
Locked rotor time	27s (cold) 15s (hot)				
Noise level ²	50.0 dB(A)				
Efficiency (%)	25%				
	50%	72.0			
	75%	75.5			
	100%	77.0			
Power Factor	25%				
	50%	0.50			
	75%	0.63			
	100%	0.73			
Bearing type : 6204 ZZ Sealing : V'Ring Lubrication interval : - Lubricant amount : - Lubricant type : Mobil Polyrex EM		Drive end 6202 ZZ V'Ring - - Mobil Polyrex EM	Non drive end 6202 ZZ V'Ring - - Mobil Polyrex EM	Foundation loads Max. traction : 45 kgf Max. compression : 61 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.		
Rev.	Changes Summary		Performed	Checked	Date
Performed by					
Checked by					
Date	13/05/2022			Page 1 / 2	Revision

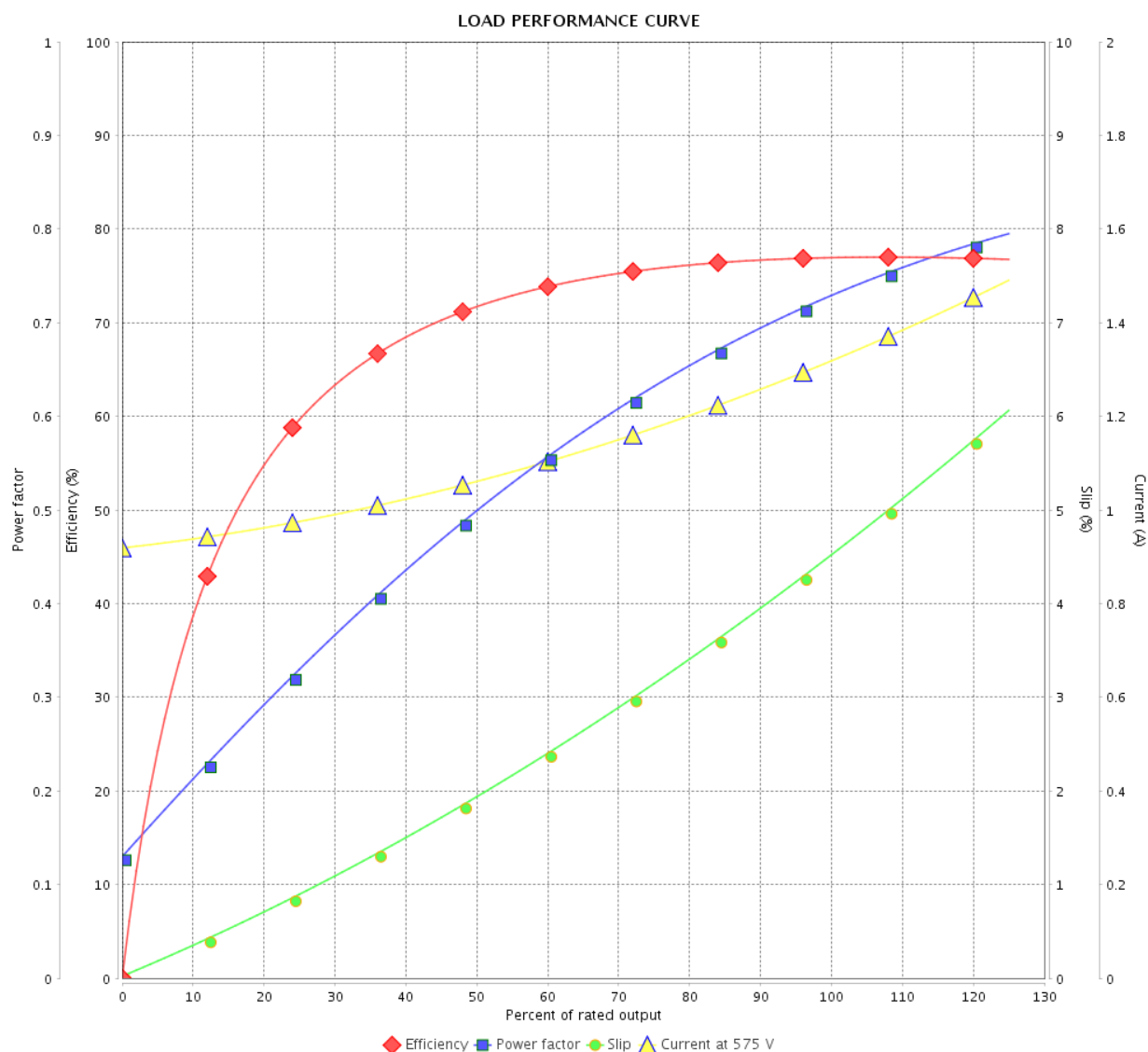
LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : Standard Efficiency Three-Phase Product code : 13638773

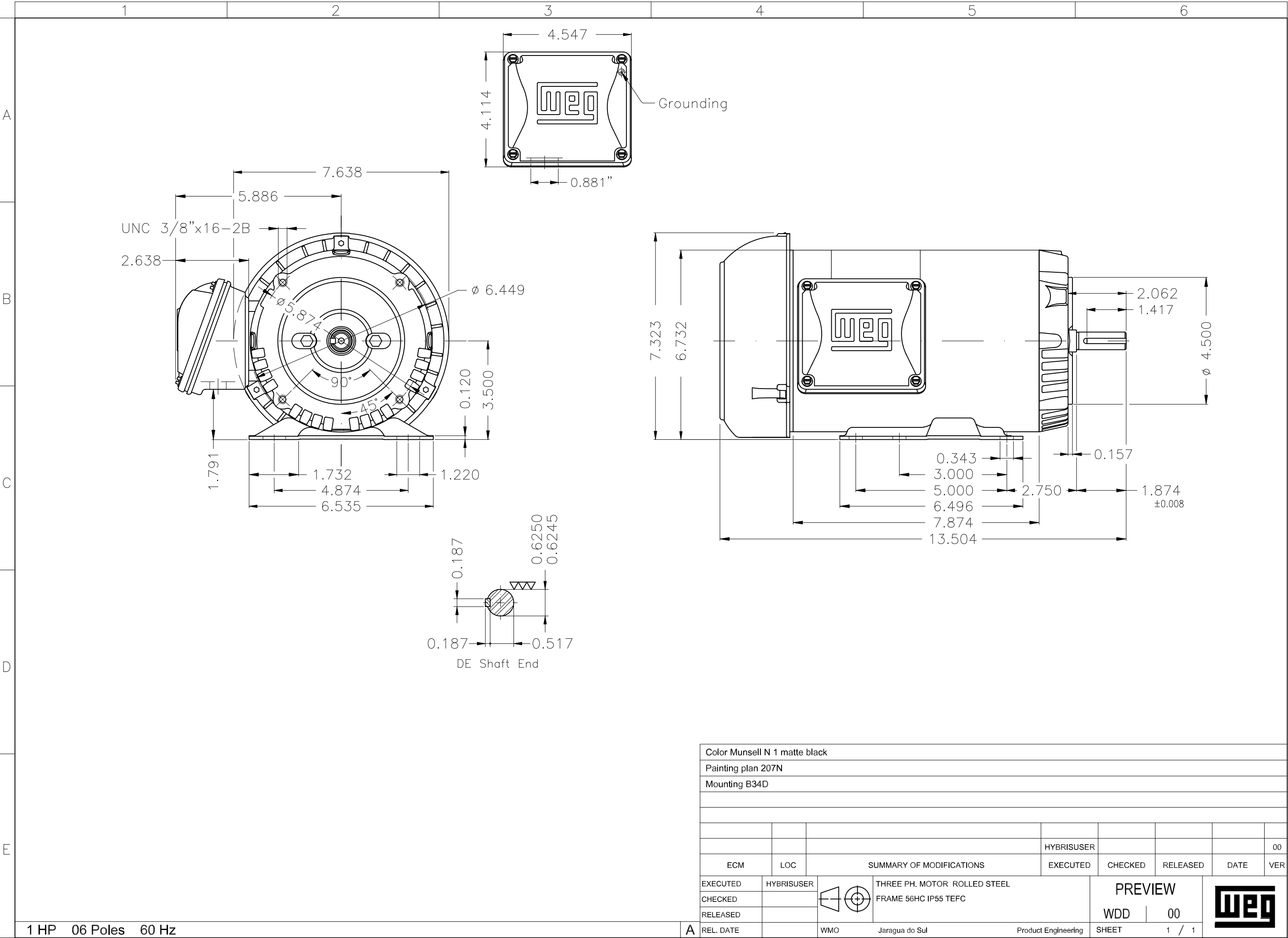


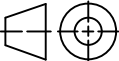
Performance : 575 V 60 Hz 6P

Rated current : 1.34 A
LRC : 5.6
Rated torque : 0.634 kgfm
Locked rotor torque : 210 %
Breakdown torque : 260 %
Rated speed : 1145 rpm

Moment of inertia (J) : 0.0067 kgm²
Duty cycle : Cont.(S1)
Insulation class : F
Service factor : 1.15
Temperature rise : 80 K
Design : A

Rev.	Changes Summary	Performed	Checked	Date
Performed by		Page 2 / 2Revision		
Checked by				
Date	13/05/2022			



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 FRAME 56HC IP55 TEFC				PREVIEW			
CHECKED									
RELEASED									
REL. DATE									
		WMO	Jaragua do Sul	Product Engineering	SHEET	1 / 1			