

DATA SHEET

Single Phase Induction Motor - Squirrel Cage



Customer :				
Product line : Single-Phase		Product code : 13988325		
Frame : 56H Insulation class : F Duty cycle : Cont.(S1) Ambient temperature : -20°C to +40°C Altitude : 1000 m.a.s.l. Protection degree : IP55 Design : L		Cooling method : IC411 - TEFC Mounting : F-1 Rotation ¹ : Both (CW and CCW) Starting method : Direct On Line Approx. weight ³ : 21.9 kg Moment of inertia (J) : 0.0082 kgm ²		
Output [HP]	1			
Poles	6			
Frequency [Hz]	60			
Rated voltage [V]	115/208-230			
Rated current [A]	11.0/6.08-5.50			
L. R. Amperes [A]	67.1/37.1-33.5			
LRC [A]	6.1x(Code J)			
No load current [A]	5.60/2.41-2.80			
Rated speed [RPM]	1165			
Slip [%]	2.92			
Rated torque [kgfm]	0.623			
Locked rotor torque [%]	180			
Breakdown torque [%]	200			
Service factor				
Temperature rise	80 K			
Locked rotor time	23s (cold) 13s (hot)			
Noise level ²	54.0 dB(A)			
Efficiency (%)	25%			
	50%	64.0		
	75%	71.0		
	100%	73.0		
Power Factor	25%			
	50%	0.68		
	75%	0.77		
	100%	0.81		
Bearing type : Drive end 6204 ZZ Non drive end 6202 ZZ Sealing : V'Ring V'Ring Lubrication interval : - - Lubricant amount : - - Lubricant type : Mobil Polyrex EM		Foundation loads Max. traction : 28 kgf Max. compression : 50 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
Performed by				
Checked by				
Date	11/05/2022		Page 1 / 2	Revision

LOAD PERFORMANCE CURVE

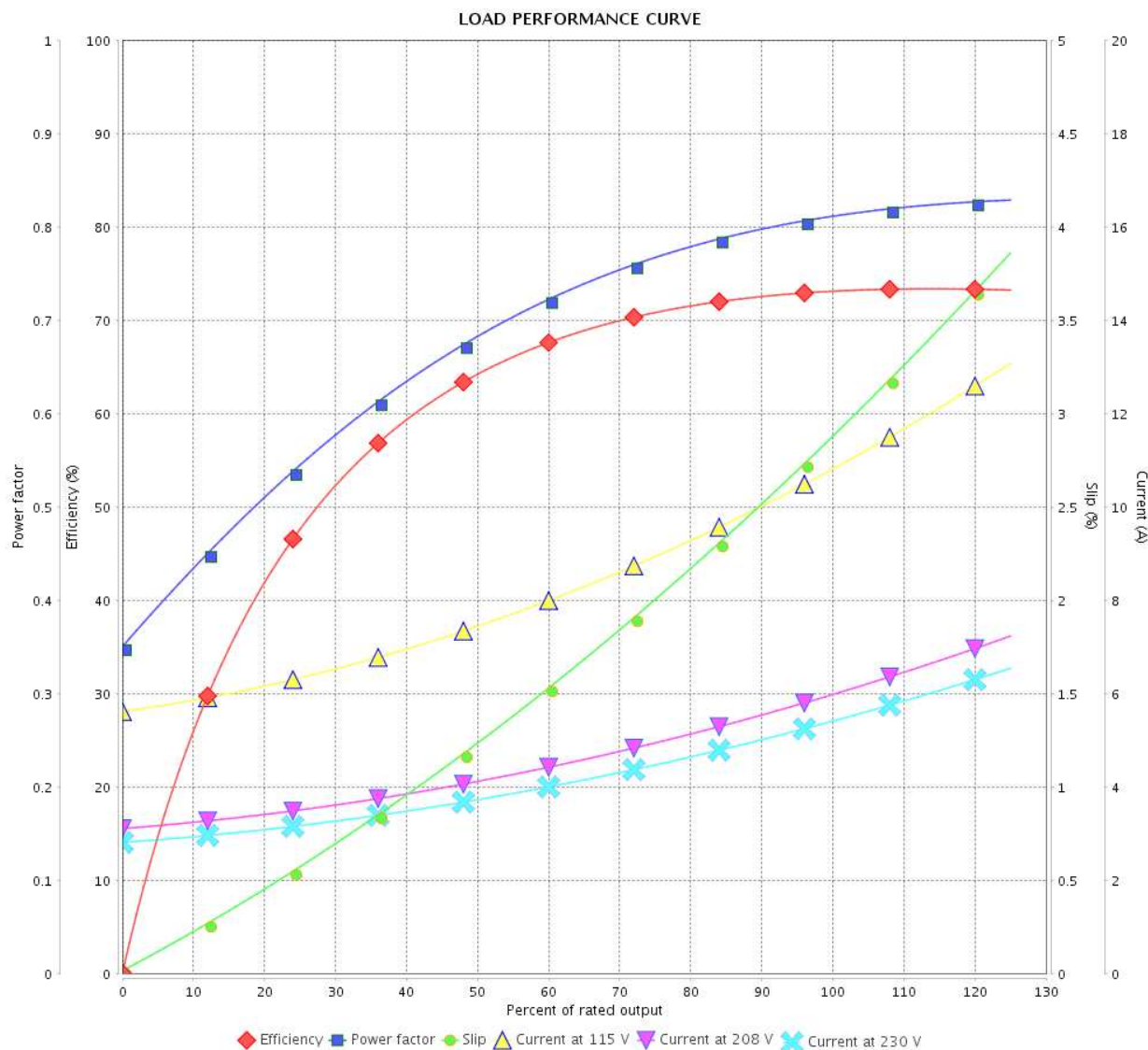
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Product code : 13988325

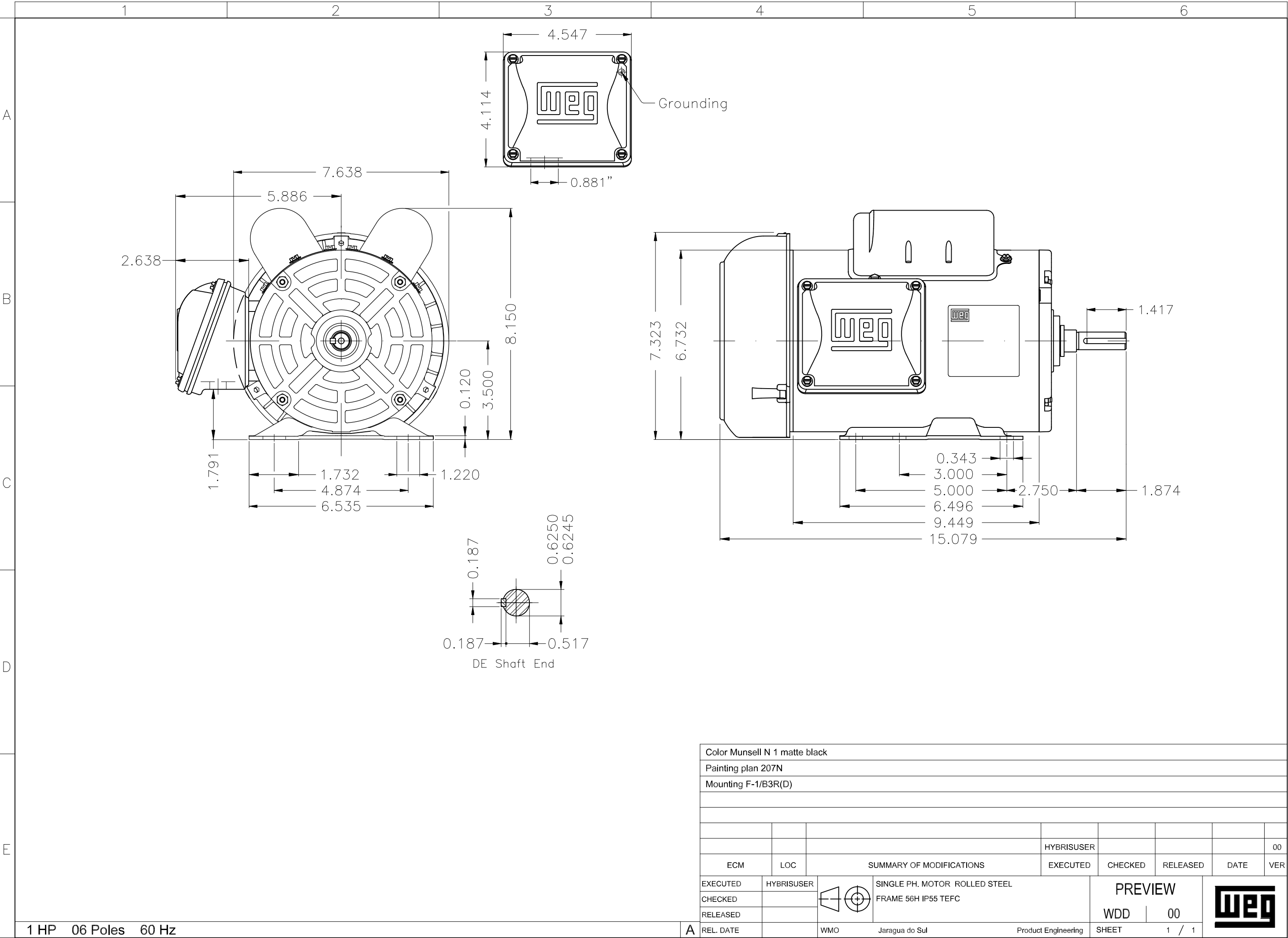


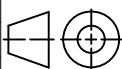
Performance : 115/208-230 V 60 Hz 6P

Rated current : 11.0/6.08-5.50 A
 LRC : 6.1
 Rated torque : 0.623 kgfm
 Locked rotor torque : 180 %
 Breakdown torque : 200 %
 Rated speed : 1165 rpm

Moment of inertia (J) : 0.0082 kgm²
 Duty cycle : Cont.(S1)
 Insulation class : F
 Service factor :
 Temperature rise : 80 K
 Design : L

Rev.	Changes Summary	Performed	Checked	Date
Performed by		Page 2 / 2 Revision		
Checked by				
Date	11/05/2022			



Color Munsell N 1 matte black									
Painting plan 207N									
Mounting F-1/B3R(D)									
						HYBRISUSER			00
ECM	LOC	SUMMARY OF MODIFICATIONS				EXECUTED	CHECKED	RELEASED	DATE VER
EXECUTED	HYBRISUSER	 SINGLE PH. MOTOR ROLLED STEEL FRAME 56H IP55 TEFC				PREVIEW			
CHECKED						WDD 00			
RELEASED									
REL. DATE						1 / 1			
		WMO	Jaragua do Sul	Product Engineering	SHEET				