

# 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 <sup>1</sup> : Both (CW and CCW) Starting method : Direct On Line Approx. weight <sup>3</sup> : 21.9 kg Moment of inertia (J) : 0.0082 kgm²		
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 <sup>2</sup>	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

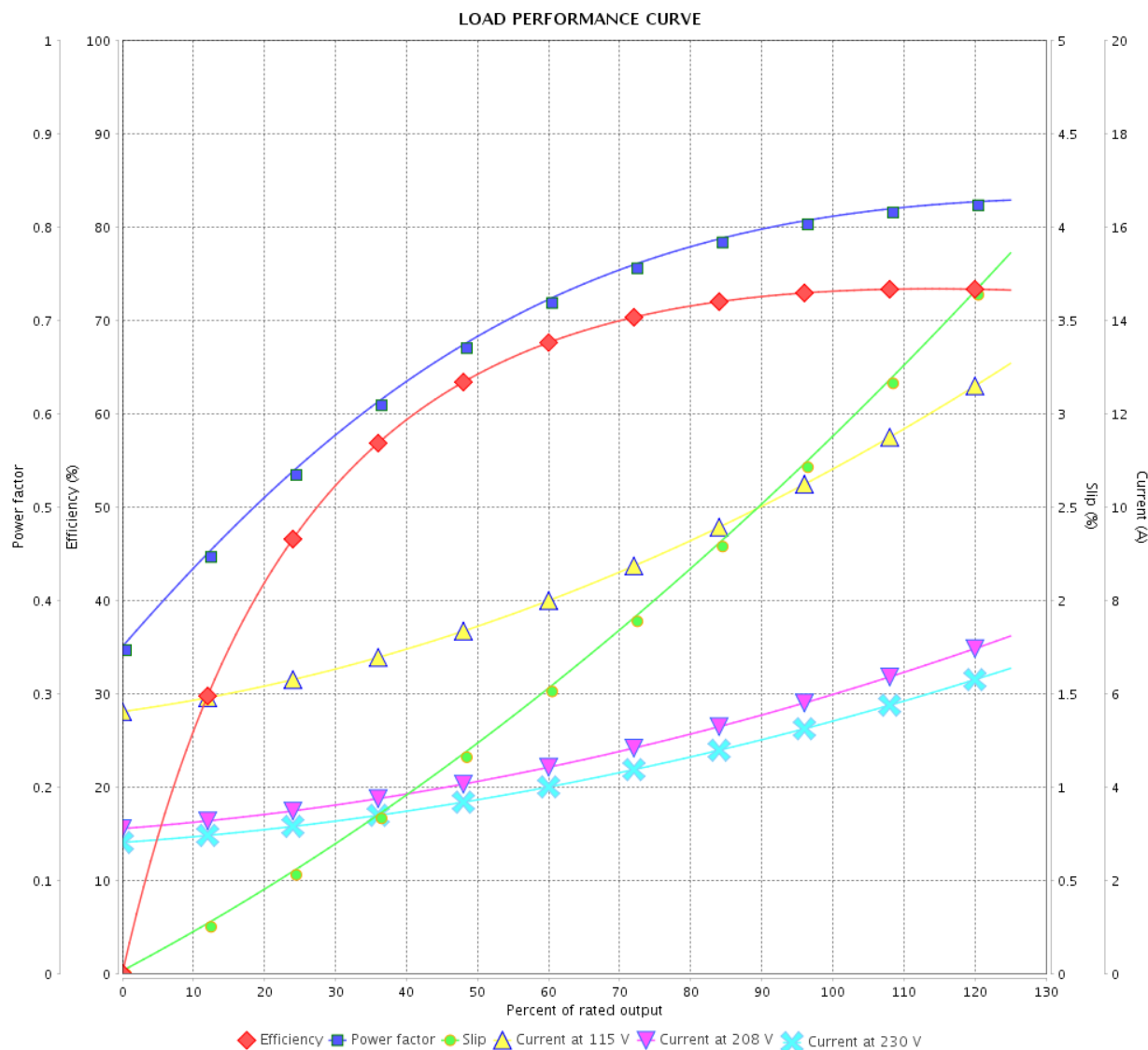
Single Phase Induction Motor - Squirrel Cage



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Product code : 13988325

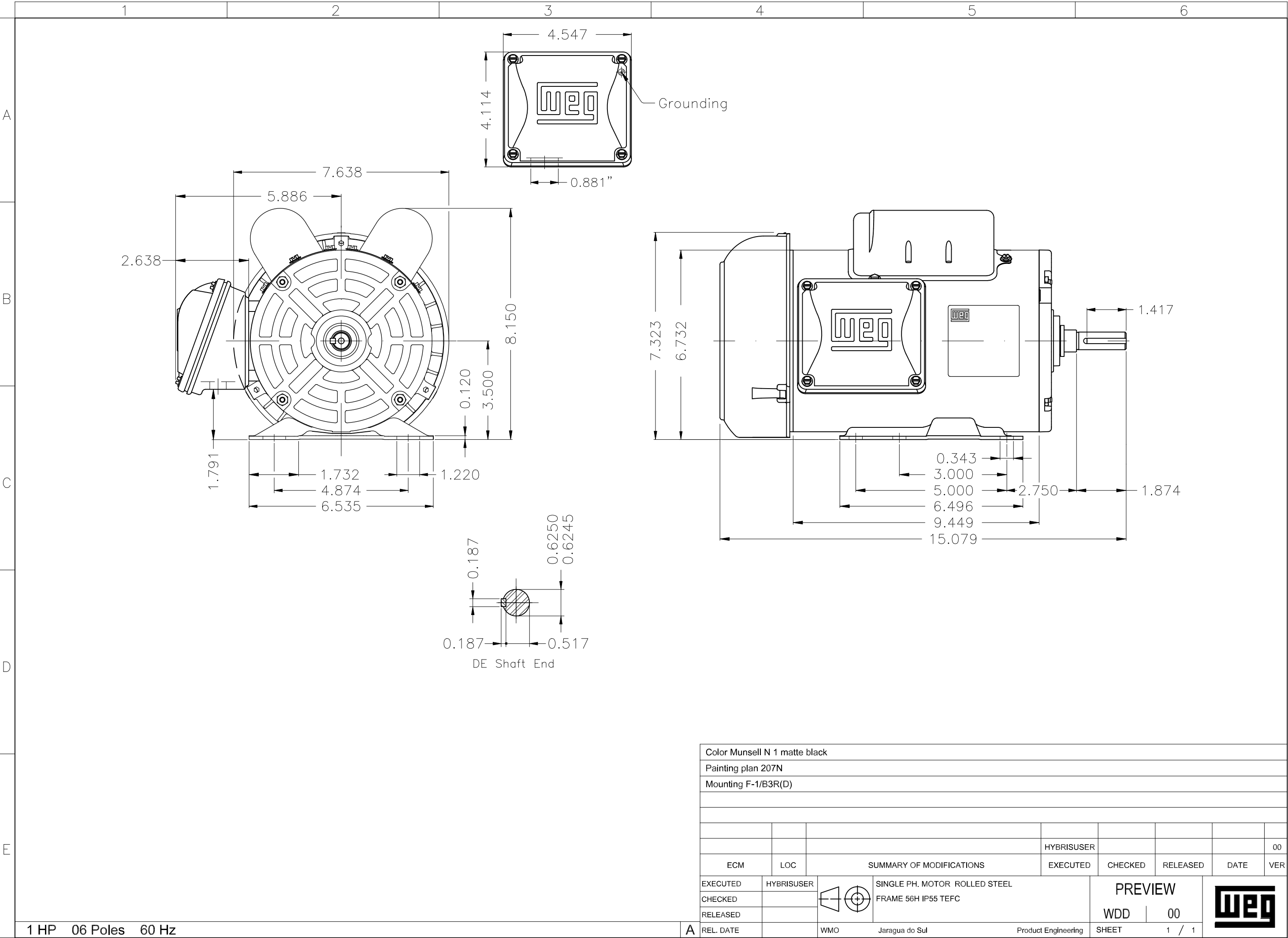


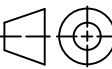

Performance : 115/208-230 V 60 Hz 6P

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 kgm<sup>2</sup>  
 Duty cycle : Cont.(S1)  
 Insulation class : F  
 Service factor :  
 Temperature rise : 80 K  
 Design : L

Rev.	Changes Summary		Performed	Checked	Date
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Date					



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									
RELEASED									
REL. DATE		WMO	Jaragua do Sul	Product Engineering	SHEET	1 / 1			

1 HP 06 Poles 60 Hz

A