

DATA SHEET

Single Phase Induction Motor - Squirrel Cage



Customer :				
Product line		: Jet Pump - C type Single-Phase	Product code :	13910336
Frame	: W56C	Cooling method	: IC411 - TEFC	
Insulation class	: F	Mounting	: F-1	
Duty cycle	: Cont.(S1)	Rotation ¹	: CCW	
Ambient temperature	: -20°C to +40°C	Starting method	: Direct On Line	
Altitude	: 1000 m.a.s.l.	Approx. weight ³	: 9.5 kg	
Protection degree	: IP55	Moment of inertia (J)	: 0.0010 kgm ²	
Design	: N			
Output [HP]	0.5			
Poles	2			
Frequency [Hz]	60			
Rated voltage [V]	115/208-230			
Rated current [A]	7.00/3.87-3.50			
L. R. Amperes [A]	56.0/31.0-28.0			
LRC [A]	8.0x(Code P)			
No load current [A]	4.80/2.07-2.40			
Rated speed [RPM]	3500			
Slip [%]	2.78			
Rated torque [kgfm]	0.104			
Locked rotor torque [%]	290			
Breakdown torque [%]	300			
Service factor				
Temperature rise	80 K			
Locked rotor time	12s (cold) 7s (hot)			
Noise level ²	66.0 dB(A)			
Efficiency (%)	25%	48.1		
	50%	50.0		
	75%	58.0		
	100%	60.0		
Power Factor	25%	0.34		
	50%	0.59		
	75%	0.69		
	100%	0.76		
Bearing type	: Drive end 6203 2RS	Non drive end 6202 2RS	Foundation loads	
Sealing	: V'Ring	Without Bearing Seal	Max. traction	: 5 kgf
			Max. compression	: 14 kgf
Lubrication interval	: -	-		
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	Revision
Checked by				
Date	11/05/2022			
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LOAD PERFORMANCE CURVE

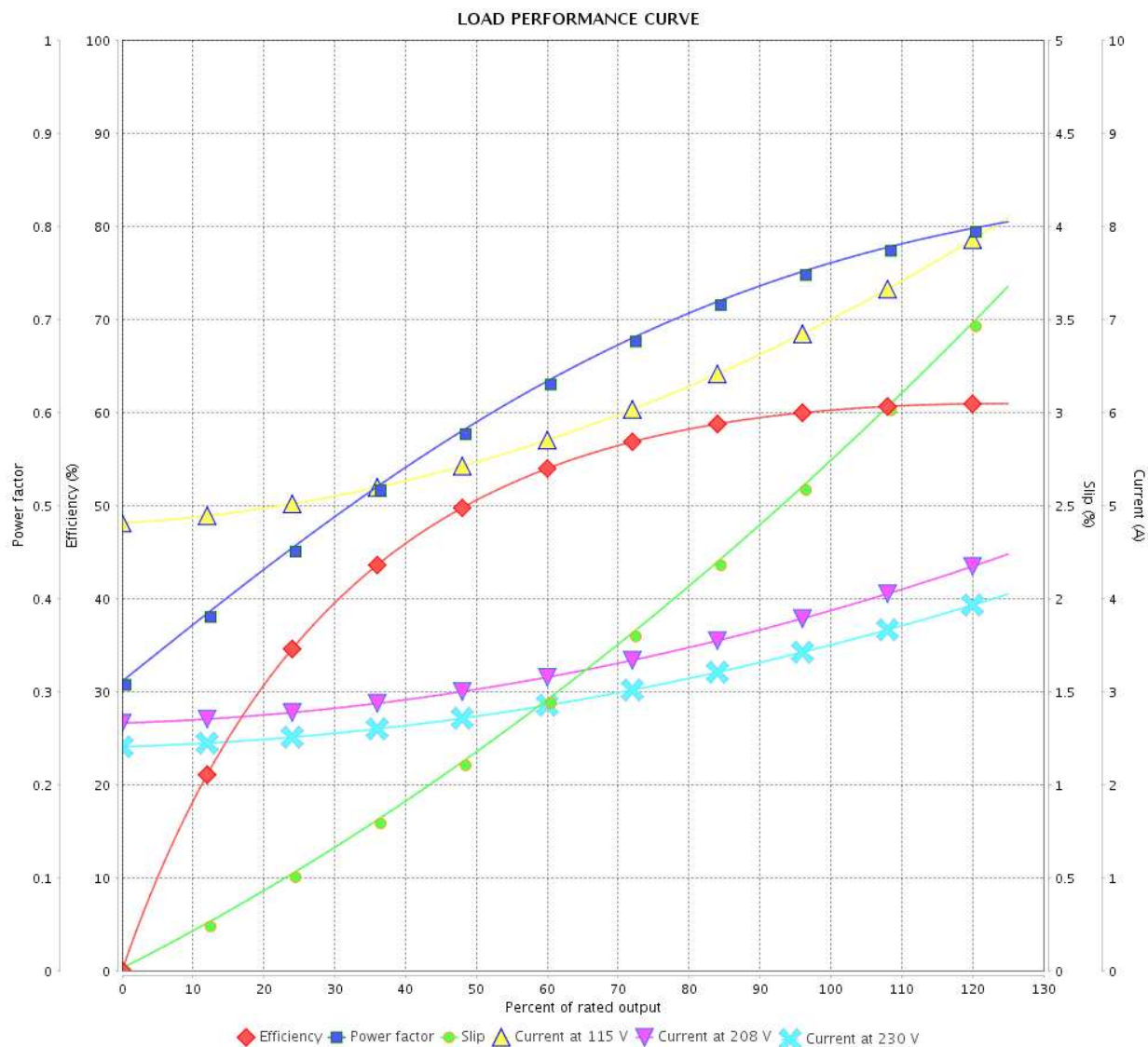
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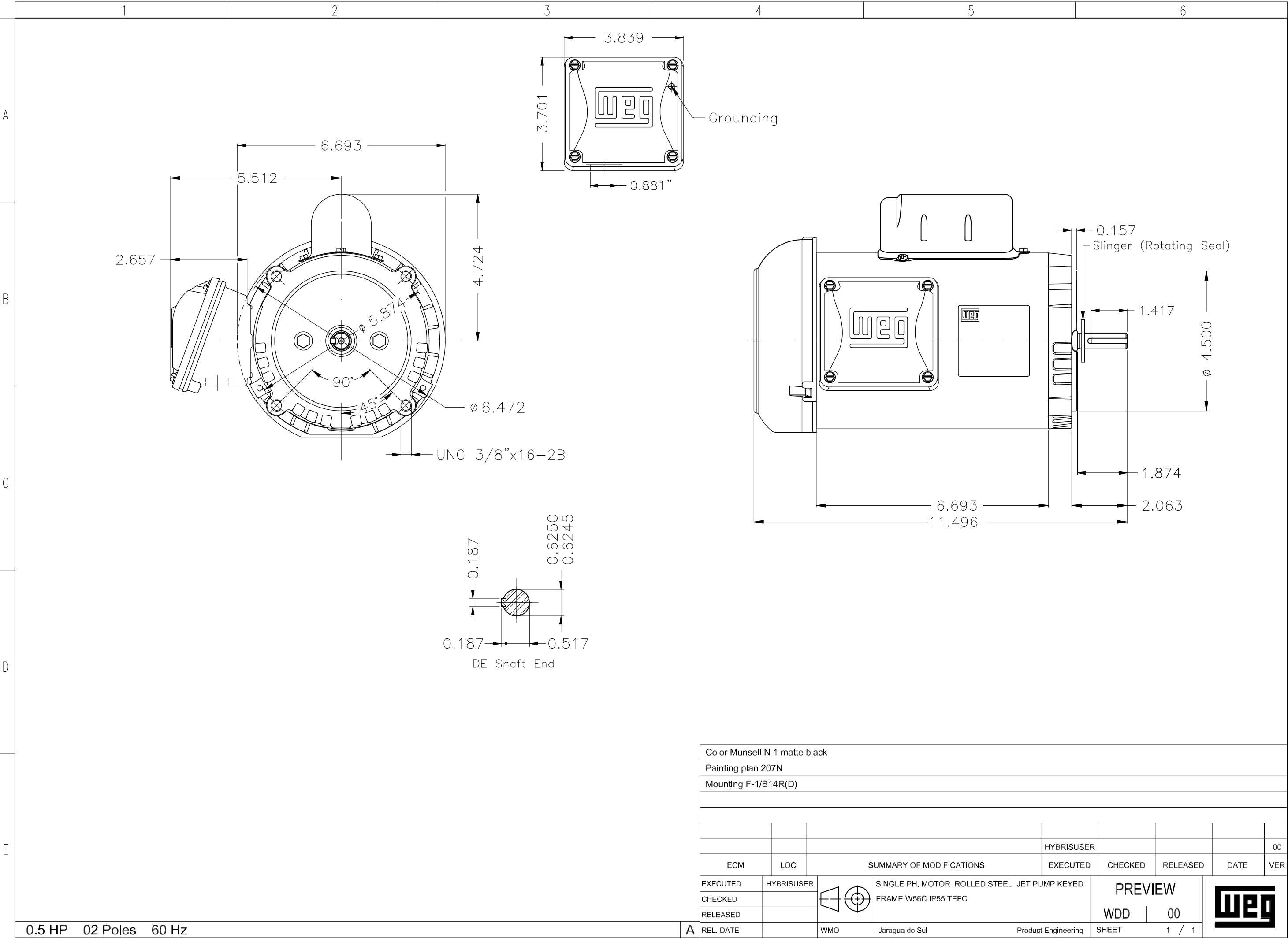


Performance : 115/208-230 V 60 Hz 2P

Rated current : 7.00/3.87-3.50 A
LRC : 8.0
Rated torque : 0.104 kgfm
Locked rotor torque : 290 %
Breakdown torque : 300 %
Rated speed : 3500 rpm

Moment of inertia (J) : 0.0010 kgm²
Duty cycle : Cont.(S1)
Insulation class : F
Service factor :
Temperature rise : 80 K
Design : N

Rev.	Changes Summary	Performed	Checked	Date
Performed by		Page 2 / 2Revision		
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Color Munsell N 1 matte black									
Painting plan 207N									
Mounting F-1/B14R(D)									
				HYBRISUSER					00
ECM	LOC	SUMMARY OF MODIFICATIONS			EXECUTED	CHECKED	RELEASED	DATE	VER
EXECUTED	HYBRISUSER		SINGLE PH. MOTOR ROLLED STEEL JET PUMP KEYED FRAME W56C IP55 TEFC			PREVIEW WDD 00			
CHECKED									
RELEASED									
REL. DATE		WMO	Jaragua do Sul	Product Engineering	SHEET	1 / 1			