

DATA SHEET

Single Phase Induction Motor - Squirrel Cage



Customer :				
Product line		: Jet Pump - C type Single-Phase	Product code :	14212763
Frame	: W56C	Cooling method	: IC01 - ODP	
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	: 7.9 kg	
Design	: N	Moment of inertia (J)	: 0.0008 kgm ²	
Output [HP]	0.33			
Poles	2			
Frequency [Hz]	60			
Rated voltage [V]	115/208-230			
Rated current [A]	5.00/2.76-2.50			
L. R. Amperes [A]	37.0/20.4-18.5			
LRC [A]	7.4x(Code P)			
No load current [A]	3.40/1.47-1.70			
Rated speed [RPM]	3500			
Slip [%]	2.78			
Rated torque [kgfm]	0.068			
Locked rotor torque [%]	300			
Breakdown torque [%]	300			
Service factor				
Temperature rise	80 K			
Locked rotor time	14s (cold) 8s (hot)			
Noise level ²	56.0 dB(A)			
Efficiency (%)	25%			
	50%	49.0		
	75%	56.0		
	100%	59.0		
Power Factor	25%			
	50%	0.57		
	75%	0.66		
	100%	0.74		
Bearing type	: Drive end 6203 2RS Non drive end 6202 2RS	Foundation loads		
Sealing	: Without Bearing Seal Without Bearing Seal	Max. traction : 2 kgf		
		Max. compression : 10 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				
Checked by			Page	Revision
Date	17/05/2022		1 / 2	

LOAD PERFORMANCE CURVE

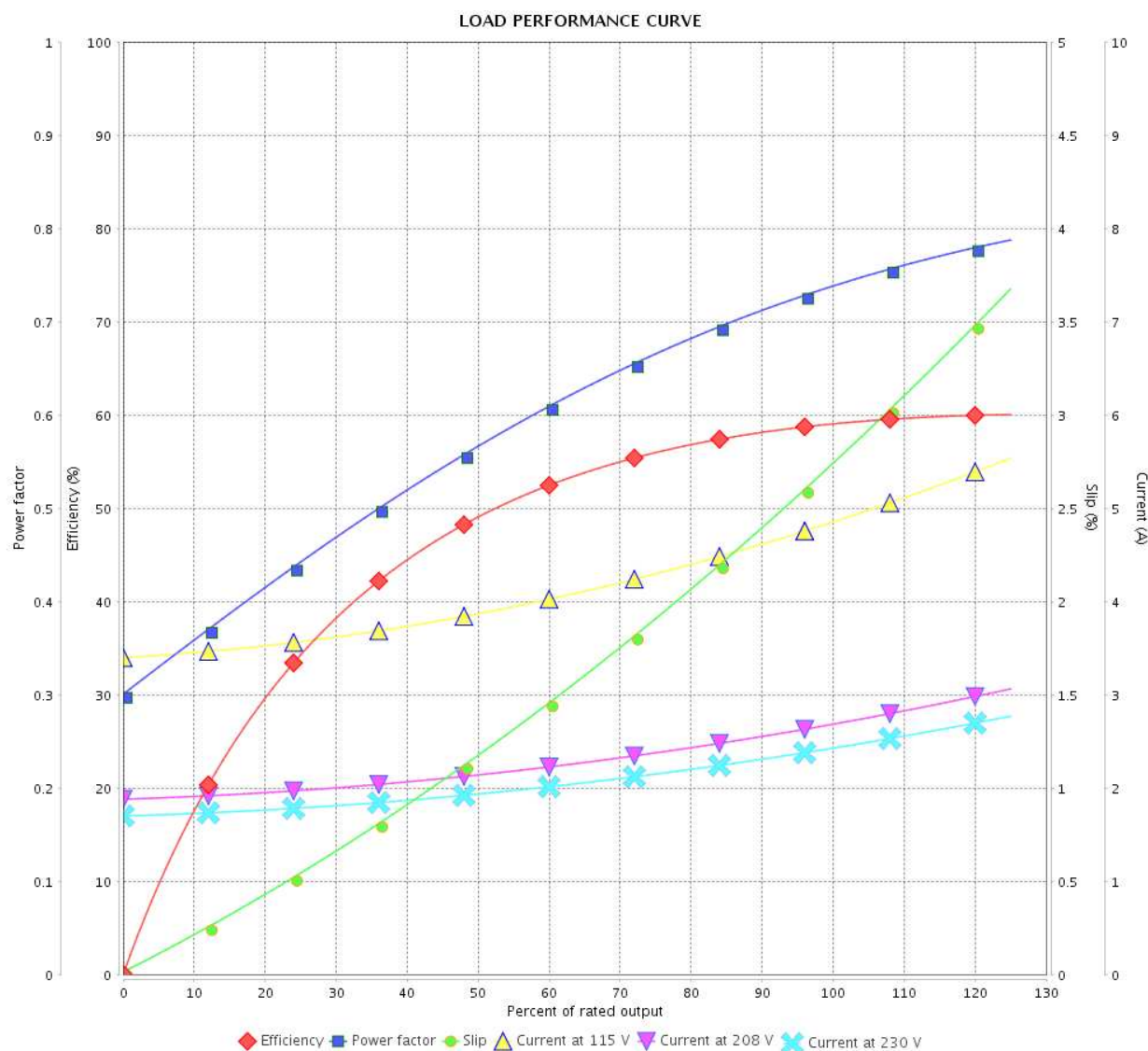
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Product code : 14212763

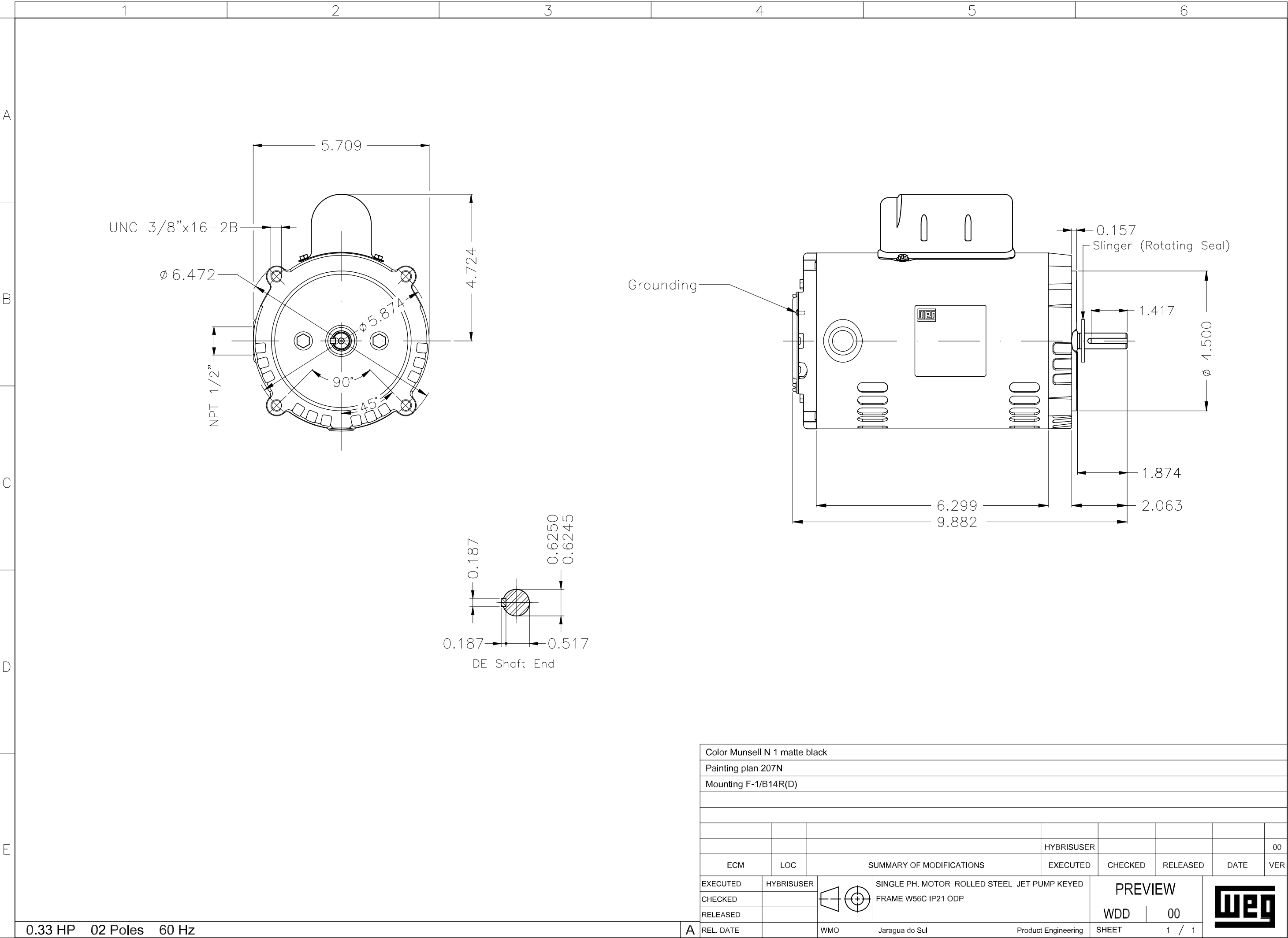


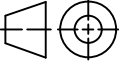
Performance : 115/208-230 V 60 Hz 2P

Rated current : 5.00/2.76-2.50 A
 LRC : 7.4
 Rated torque : 0.068 kgfm
 Locked rotor torque : 300 %
 Breakdown torque : 300 %
 Rated speed : 3500 rpm

Moment of inertia (J) : 0.0008 kgm²
 Duty cycle : Cont.(S1)
 Insulation class : F
 Service factor :
 Temperature rise : 80 K
 Design : N

Rev.	Changes Summary		Performed	Checked	Date
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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 IP21 ODP			PREVIEW WDD 00			
CHECKED									
RELEASED									
REL. DATE									
		WMO	Jaragua do Sul	Product Engineering	SHEET	1 / 1			