

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :					
Product line		: Jet Pump - J type Standard Efficiency Three-Phase		Product code : 13979067	
Frame	: 56J	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	: 11.3 kg		
Protection degree	: IP55	Moment of inertia (J)	: 0.0027 kgm ²		
Output [HP]	0.75				
Poles	4				
Frequency [Hz]	60				
Rated voltage [V]	575				
Rated current [A]	0.976				
L. R. Amperes [A]	6.73				
LRC [A]	6.9x(Code K)				
No load current [A]	0.720				
Rated speed [RPM]	1755				
Slip [%]	2.50				
Rated torque [kgfm]	0.310				
Locked rotor torque [%]	240				
Breakdown torque [%]	300				
Service factor	1.15				
Temperature rise	80 K				
Locked rotor time	30s (cold) 17s (hot)				
Noise level ²	52.0 dB(A)				
Efficiency (%)	25%				
	50%	72.0			
	75%	77.0			
	100%	78.5			
Power Factor	25%				
	50%	0.48			
	75%	0.61			
	100%	0.72			
Bearing type	: Drive end 6203 2RS	Non drive end 6202 2RS	Foundation loads		
Sealing	: V'Ring	V'Ring	Max. traction : 24 kgf		
Lubrication interval	: -	-	Max. compression : 35 kgf		
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	Date
Performed by					
Checked by					
Date	11/05/2022			Page 1 / 2	Revision

LOAD PERFORMANCE CURVE

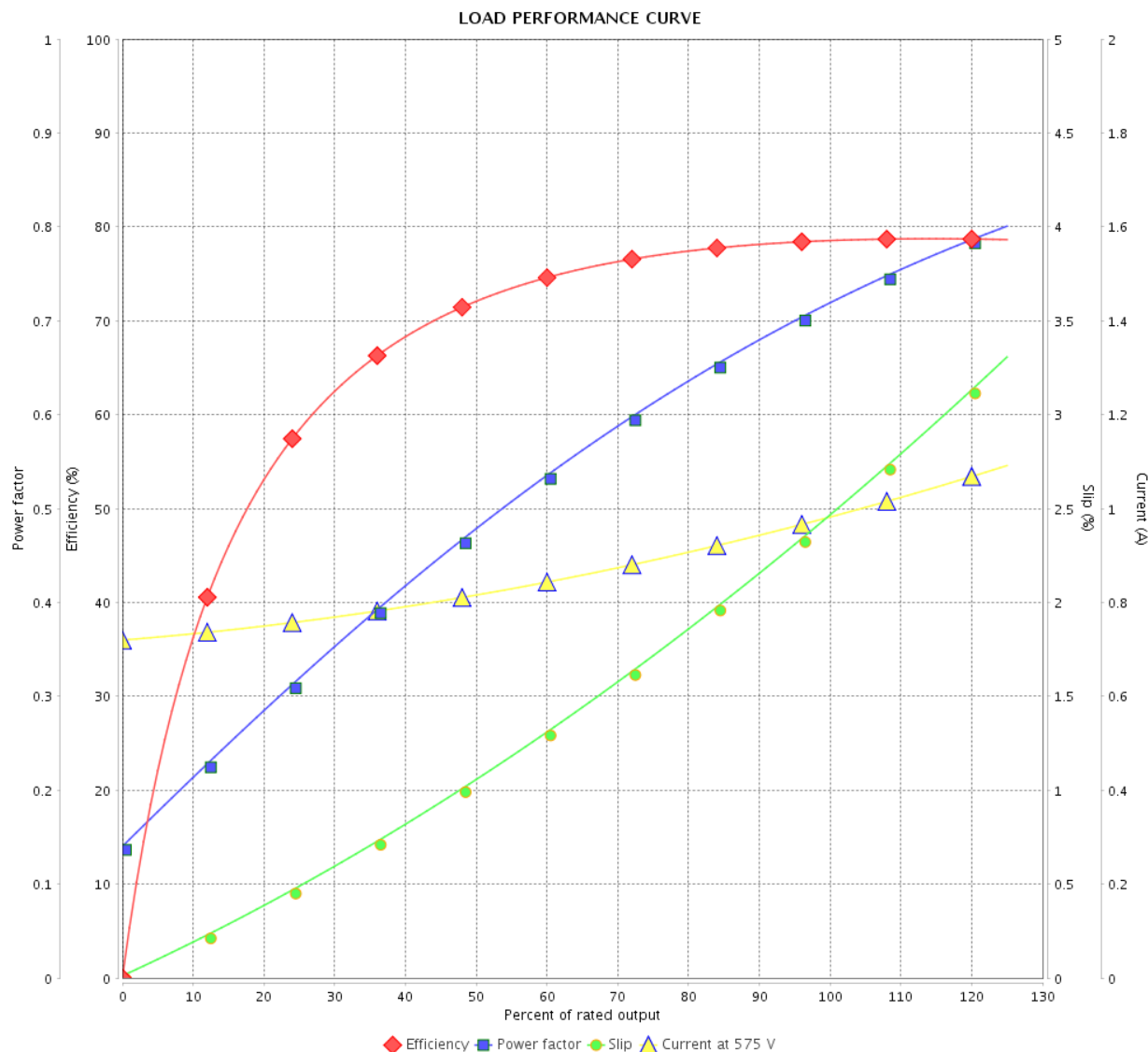
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Efficiency Three-Phase

Product code : 13979067

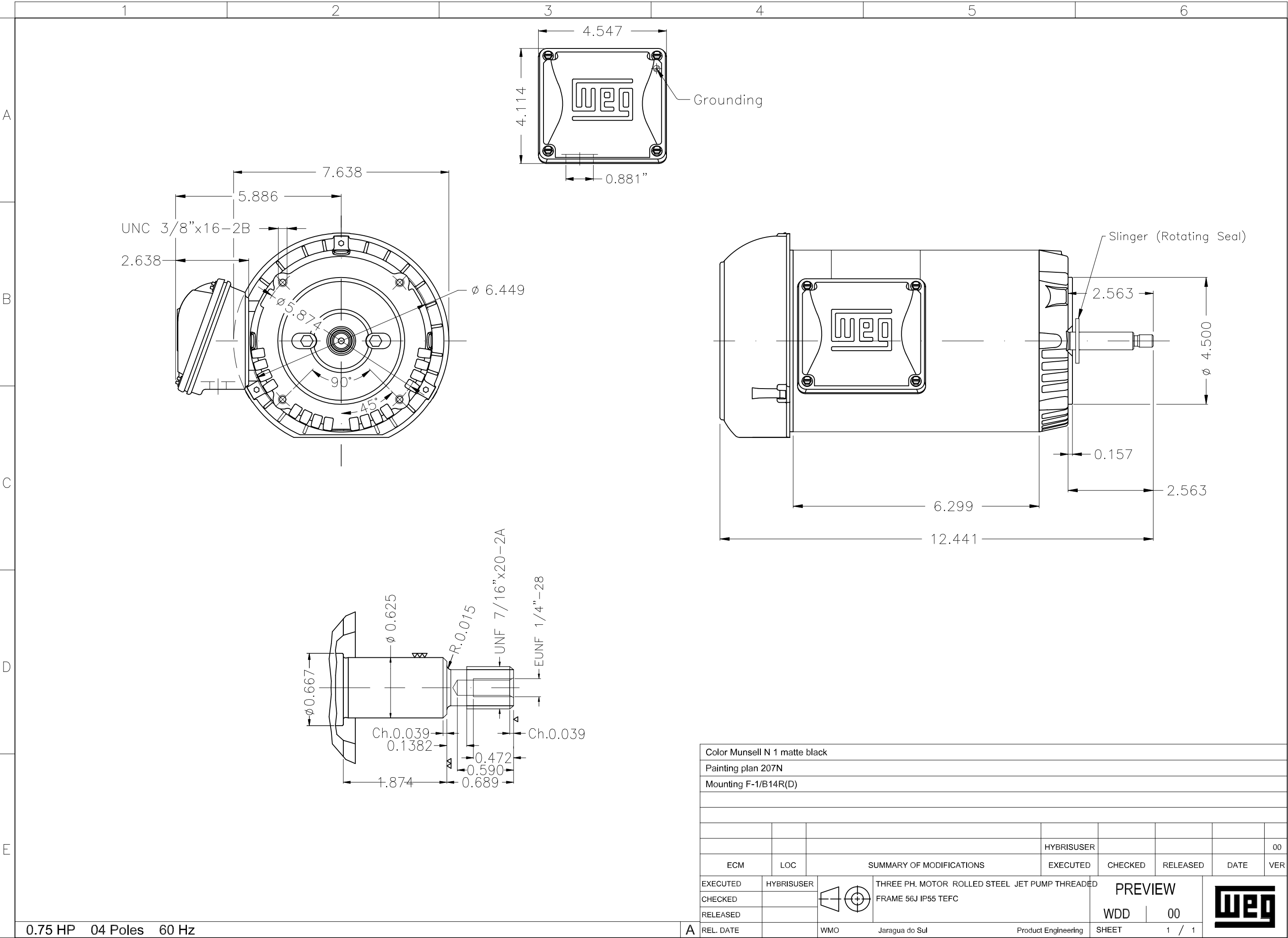


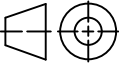
Performance : 575 V 60 Hz 4P

Rated current : 0.976 A
 LRC : 6.9
 Rated torque : 0.310 kgfm
 Locked rotor torque : 240 %
 Breakdown torque : 300 %
 Rated speed : 1755 rpm

Moment of inertia (J) : 0.0027 kgm²
 Duty cycle : Cont.(S1)
 Insulation class : F
 Service factor : 1.15
 Temperature rise : 80 K

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



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	 THREE PH. MOTOR ROLLED STEEL JET PUMP THREADED FRAME 56J IP55 TEFC				PREVIEW WDD 00 SHEET 1 / 1				
CHECKED										
RELEASED										
REL. DATE										
		WMO	Jaragua do Sul	Product Engineering						