

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :				
Product line		: Jet Pump - J type Premium Efficiency Three-Phase		Product code : 13957011
Frame : 56J Insulation class : F Duty cycle : Cont.(S1) Ambient temperature : -20°C to +40°C Altitude : 1000 m.a.s.l. Protection degree : IP55 Design : B		Cooling method : IC411 - TEFC Mounting : F-1 Rotation ¹ : CCW Starting method : Direct On Line Approx. weight ³ : 16.3 kg Moment of inertia (J) : 0.0052 kgm ²		
Output [HP]		1		
Poles		4		
Frequency [Hz]		60		
Rated voltage [V]		575		
Rated current [A]		1.18		
L. R. Amperes [A]		10.1		
LRC [A]		8.6x(Code M)		
No load current [A]		0.712		
Rated speed [RPM]		1765		
Slip [%]		1.94		
Rated torque [kgfm]		0.411		
Locked rotor torque [%]		280		
Breakdown torque [%]		300		
Service factor		1.15		
Temperature rise		80 K		
Locked rotor time		34s (cold) 19s (hot)		
Noise level ²		52.0 dB(A)		
Efficiency (%)	25%			
	50%	82.5		
	75%	84.0		
	100%	85.5		
Power Factor	25%			
	50%	0.52		
	75%	0.66		
	100%	0.75		
Bearing type : <u>Drive end</u> 6203 2RS <u>Non drive end</u> 6202 2RS Sealing : V'Ring Without Bearing Seal Lubrication interval : - - Lubricant amount : - - Lubricant type : Mobil Polyrex EM		Foundation loads Max. traction : 31 kgf Max. compression : 48 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			Page	Revision
Date	11/05/2022		1 / 2	

LOAD PERFORMANCE CURVE

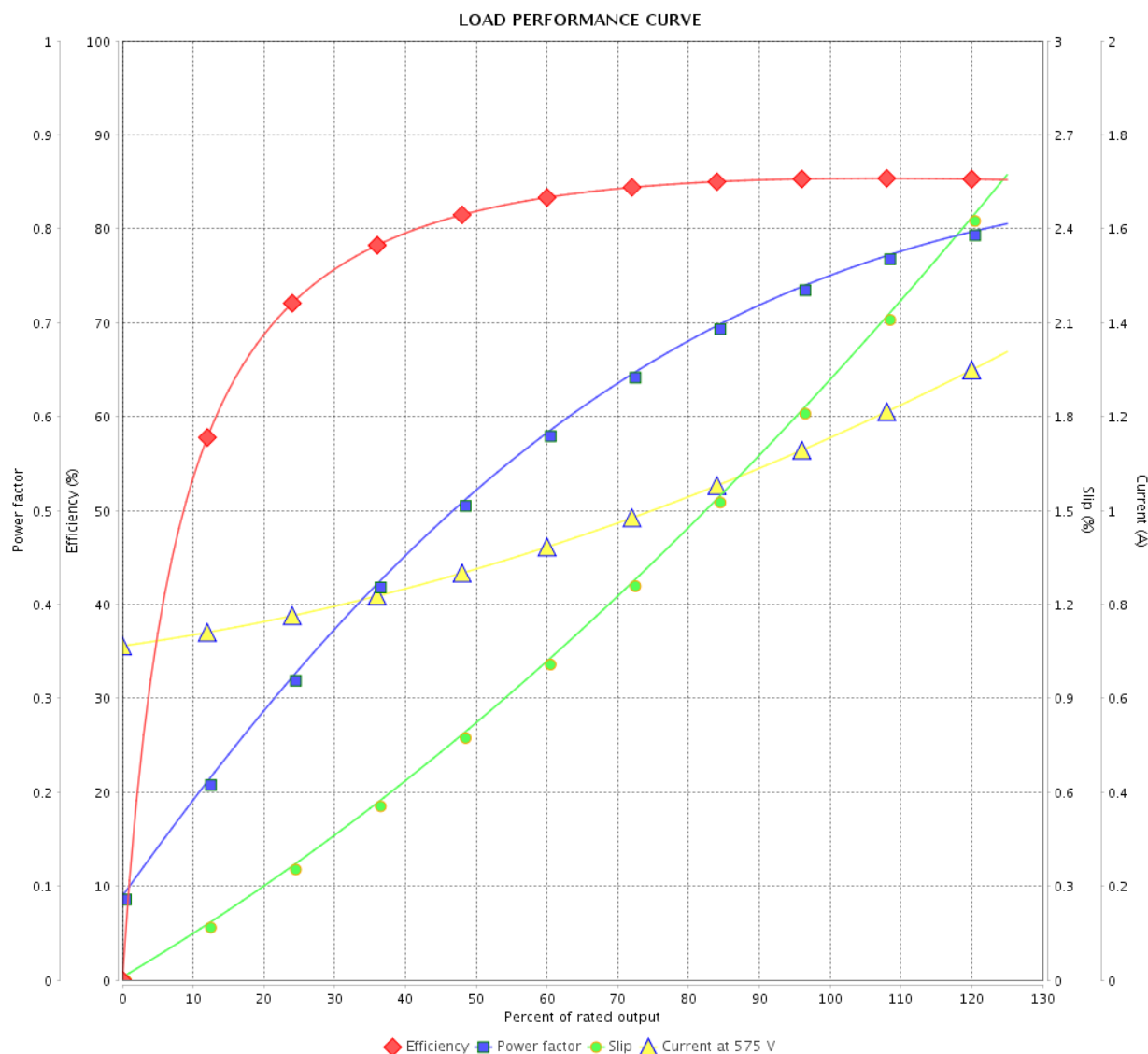
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Efficiency Three-Phase

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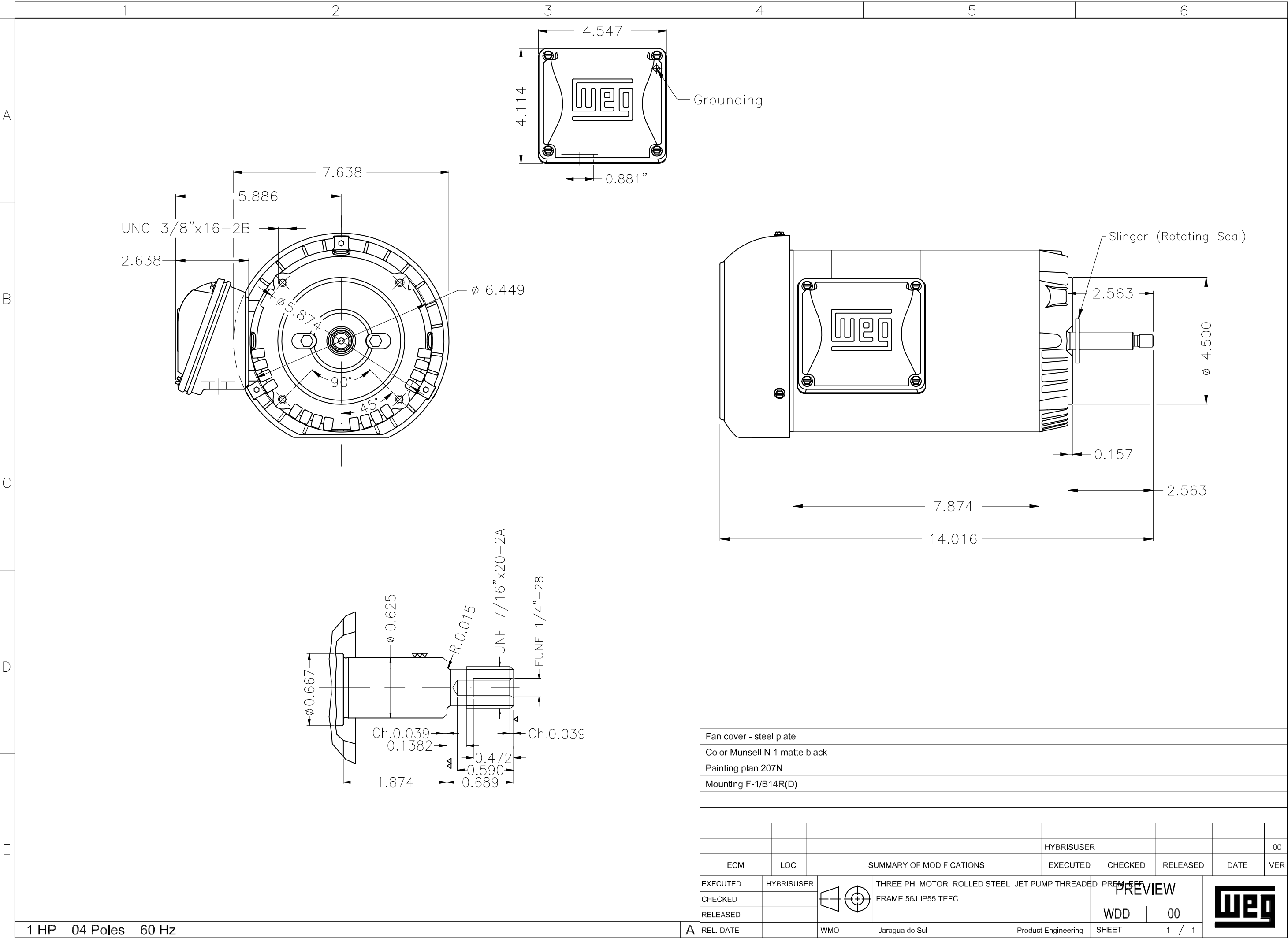


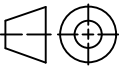
Performance : 575 V 60 Hz 4P

Rated current : 1.18 A
LRC : 8.6
Rated torque : 0.411 kgfm
Locked rotor torque : 280 %
Breakdown torque : 300 %
Rated speed : 1765 rpm

Moment of inertia (J) : 0.0052 kgm²
Duty cycle : Cont.(S1)
Insulation class : F
Service factor : 1.15
Temperature rise : 80 K
Design : B

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Date					



Fan cover - steel plate										
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 PREM EFF FRAME 56J IP55 TEFC				PREVIEW				
CHECKED										
RELEASED										
REL. DATE		WMO	Jaragua do Sul	Product Engineering	SHEET	1	/			