

# DATA SHEET

## Three Phase Induction Motor - Squirrel Cage



Customer :				
Product line		: Jet Pump - J type Premium Efficiency Three-Phase		Product code : 13957011
Frame : 56J		Cooling method : IC411 - TEFC		
Insulation class : F		Mounting : F-1		
Duty cycle : Cont.(S1)		Rotation <sup>1</sup> : CCW		
Ambient temperature : -20°C to +40°C		Starting method : Direct On Line		
Altitude : 1000 m.a.s.l.		Approx. weight <sup>3</sup> : 16.3 kg		
Protection degree : IP55		Moment of inertia (J) : 0.0052 kgm <sup>2</sup>		
Design : B				
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 <sup>2</sup>		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 : 6203 2RS		Drive end	Non drive end	Foundation loads
Sealing : V'Ring			6202 2RS	Max. traction : 31 kgf
Lubrication interval : -			Without Bearing Seal	Max. compression : 48 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
Performed by				
Checked by				
Date	11/05/2022		Page 1 / 2	Revision

# LOAD PERFORMANCE CURVE

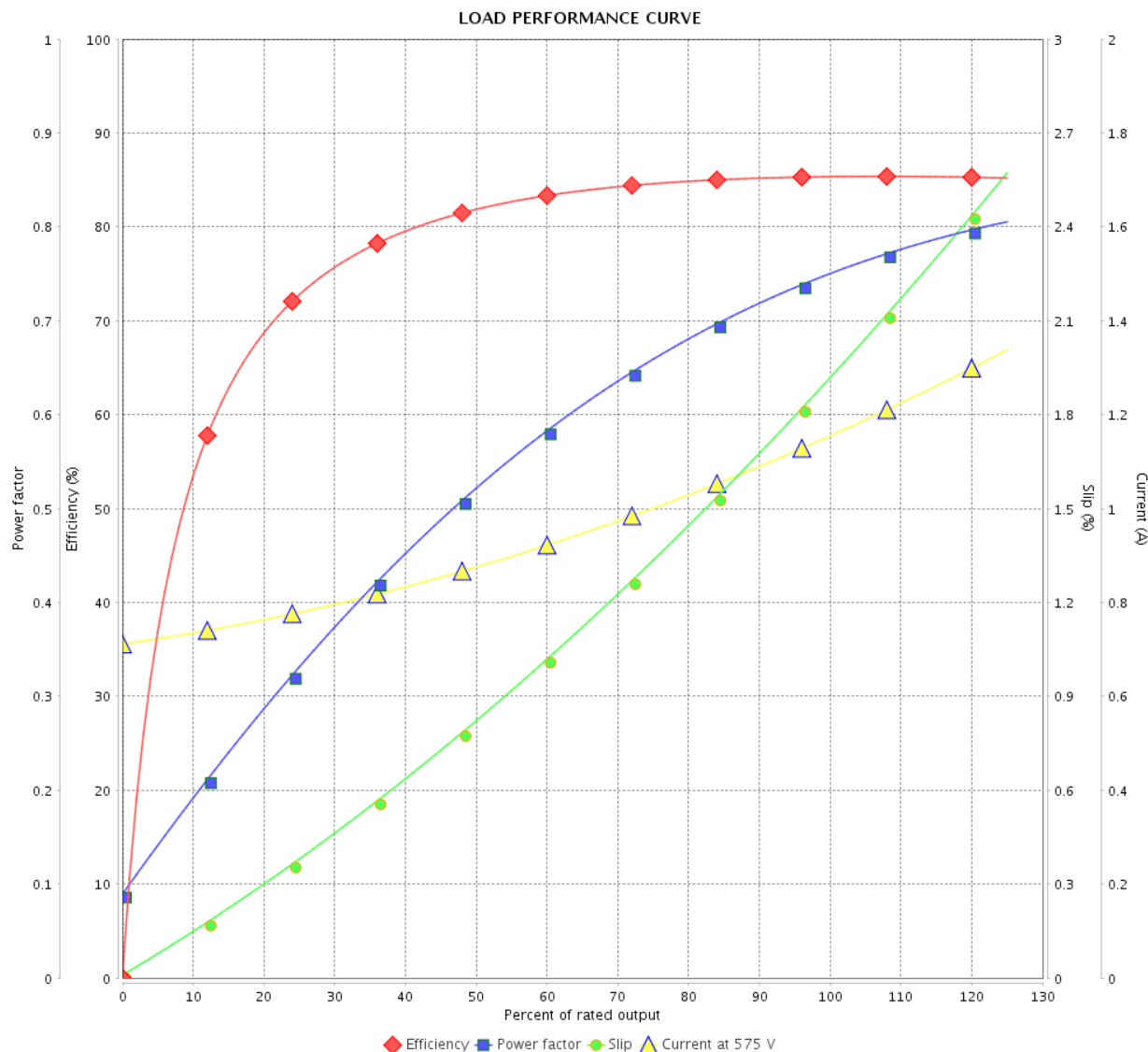
## Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : Jet Pump - J type Premium  
Efficiency Three-Phase

Product code : 13957011

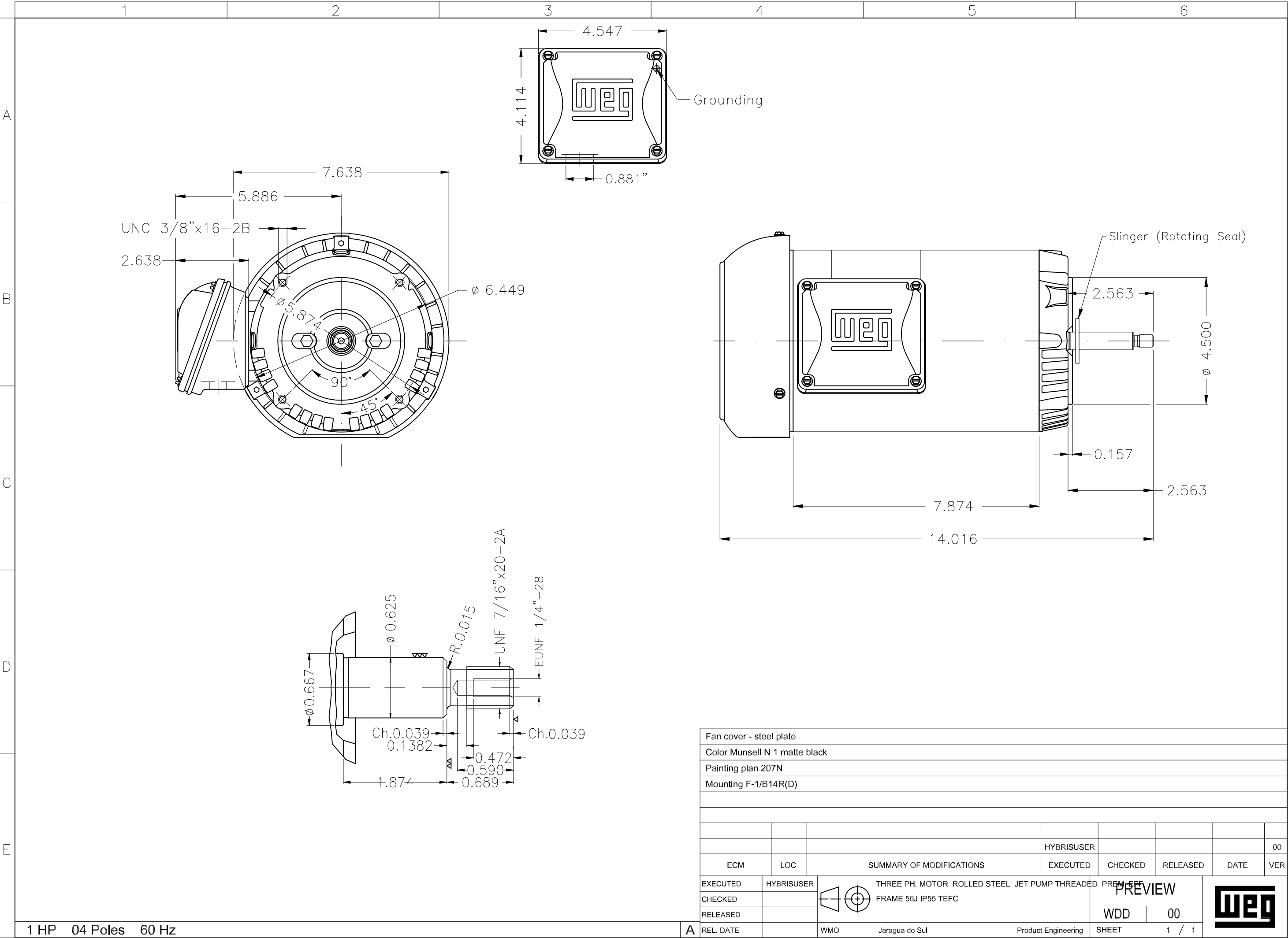


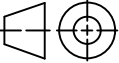

Performance : 575 V 60 Hz 4P

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 kgm<sup>2</sup>  
 Duty cycle : Cont.(S1)  
 Insulation class : F  
 Service factor : 1.15  
 Temperature rise : 80 K  
 Design : B

Rev.	Changes Summary		Performed	Checked	Date
Performed by				Page	Revision
Checked by				2 / 2	
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	<div><div></div><div>THREE PH. MOTOR ROLLED STEEL JET PUMP THREADED PREM EFF FRAME 56J IP55 TEFC</div></div>				PREVIEW WDD   00			
CHECKED									
RELEASED									
REL. DATE		WMO	Jaragua do Sul	Product Engineering	SHEET	1 / 1			