

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 ¹ : CCW		
Ambient temperature	: -20°C to +40°C	Starting method : Direct On Line		
Altitude	: 1000 m.a.s.l.	Approx. weight ³ : 16.3 kg		
Protection degree	: IP55	Moment of inertia (J) : 0.0052 kgm ²		
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 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	Foundation loads		
Sealing	: V'Ring Without Bearing Seal	Max. traction : 31 kgf		
Lubrication interval	: - -	Max. compression : 48 kgf		
Lubricant amount	: - -			
Lubricant type	: Mobil Polyrex EM			
Notes				
<p>This revision replaces and cancel the previous one, which must be eliminated.</p> <p>(1) Looking the motor from the shaft end.</p> <p>(2) Measured at 1m and with tolerance of +3dB(A).</p> <p>(3) Approximate weight subject to changes after manufacturing process.</p> <p>(4) At 100% of full load.</p>		<p>These are average values based on tests with sinusoidal power supply, subject to the tolerances stipulated in NEMA MG-1.</p>		
Rev.	Changes Summary	Performed	Checked	Date
Performed by				
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LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage

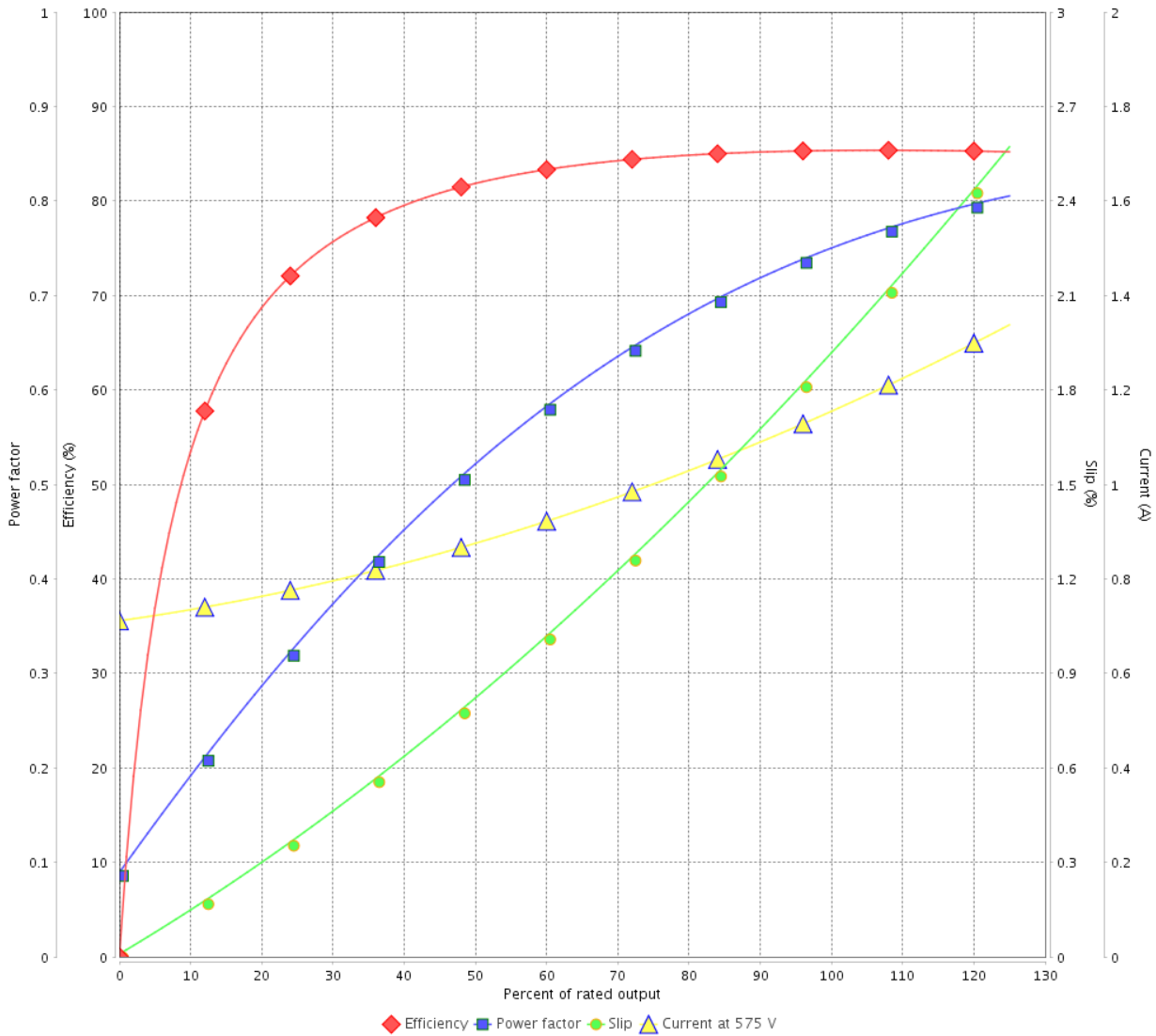


Customer :

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

Product code : 13957011

LOAD PERFORMANCE CURVE



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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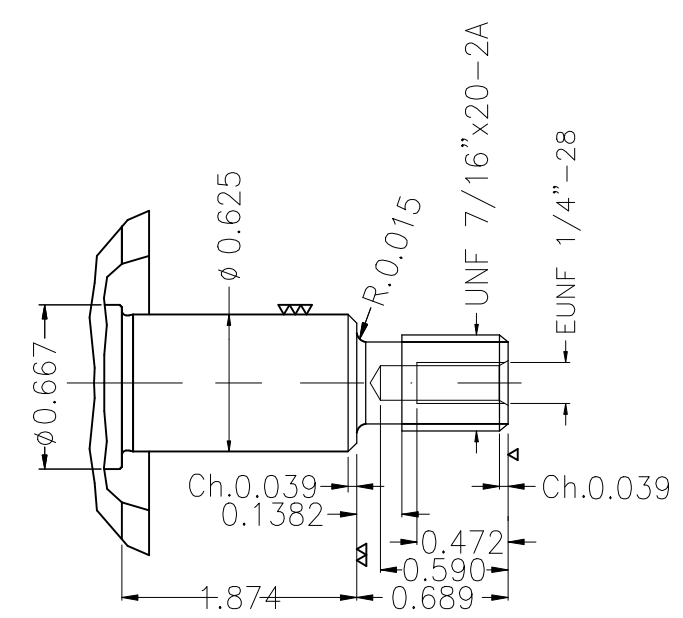
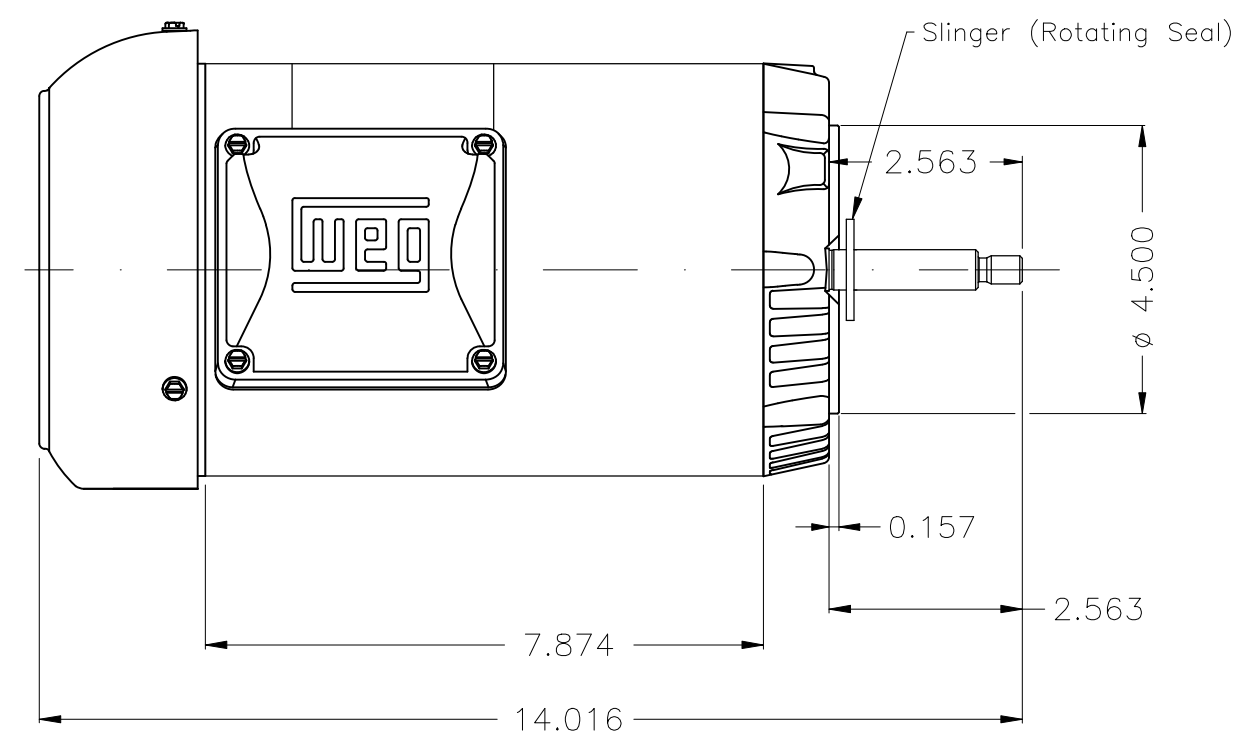
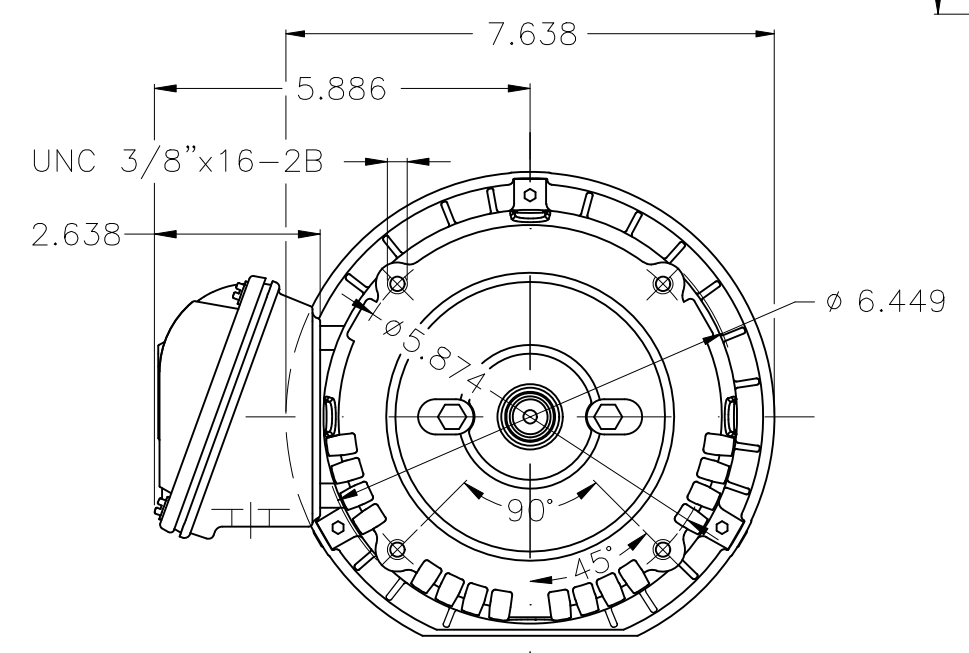
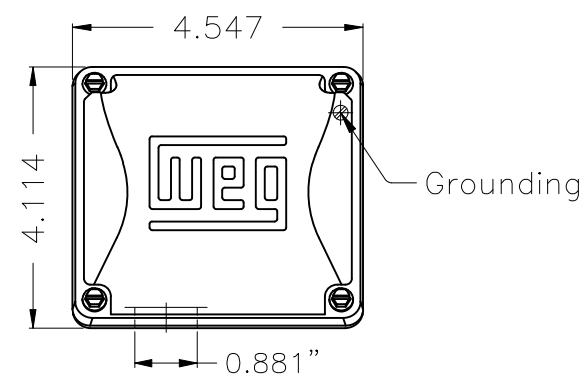
A

B

C

D

E



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 PREL. SET													
CHECKED		FRAME 56J IP55 TEFC													
RELEASED															
REL. DATE		WMO	Jaragua do Sul	Product Engineering	SHEET	1	/	1							

1 HP 04 Poles 60 Hz

A

