

DATA SHEET



Three Phase Induction Motor - Squirrel Cage

Customer	:			
Product line	: Jet Pump - C type Three-Phase	Product code : 13722286		
Frame	: 56C	Cooling method : IC411 - TEFC		
Insulation class	: F	Mounting : W-6		
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 : 15.4 kg		
Protection degree	: IP55	Moment of inertia (J) : 0.0043 kgm ²		
Design	: B			
Output [HP]		1.5		
Poles		2		
Frequency [Hz]		60		
Rated voltage [V]		575		
Rated current [A]		1.50		
L. R. Amperes [A]		13.6		
LRC [A]		9.1x(Code L)		
No load current [A]		0.687		
Rated speed [RPM]		3520		
Slip [%]		2.22		
Rated torque [kgfm]		0.309		
Locked rotor torque [%]		229		
Breakdown torque [%]		300		
Service factor		1.15		
Temperature rise		80 K		
Locked rotor time		30s (cold) 17s (hot)		
Noise level ²		68.0 dB(A)		
Efficiency (%)	25%			
	50%	80.0		
	75%	82.5		
	100%	84.0		
Power Factor	25%			
	50%	0.71		
	75%	0.82		
	100%	0.88		
Bearing type	: <u>Drive end</u> 6203 2RS <u>Non drive end</u> 6202 2RS	Foundation loads		
Sealing	: V'Ring V'Ring	Max. traction : 22 kgf		
Lubrication interval	: - -	Max. compression : 37 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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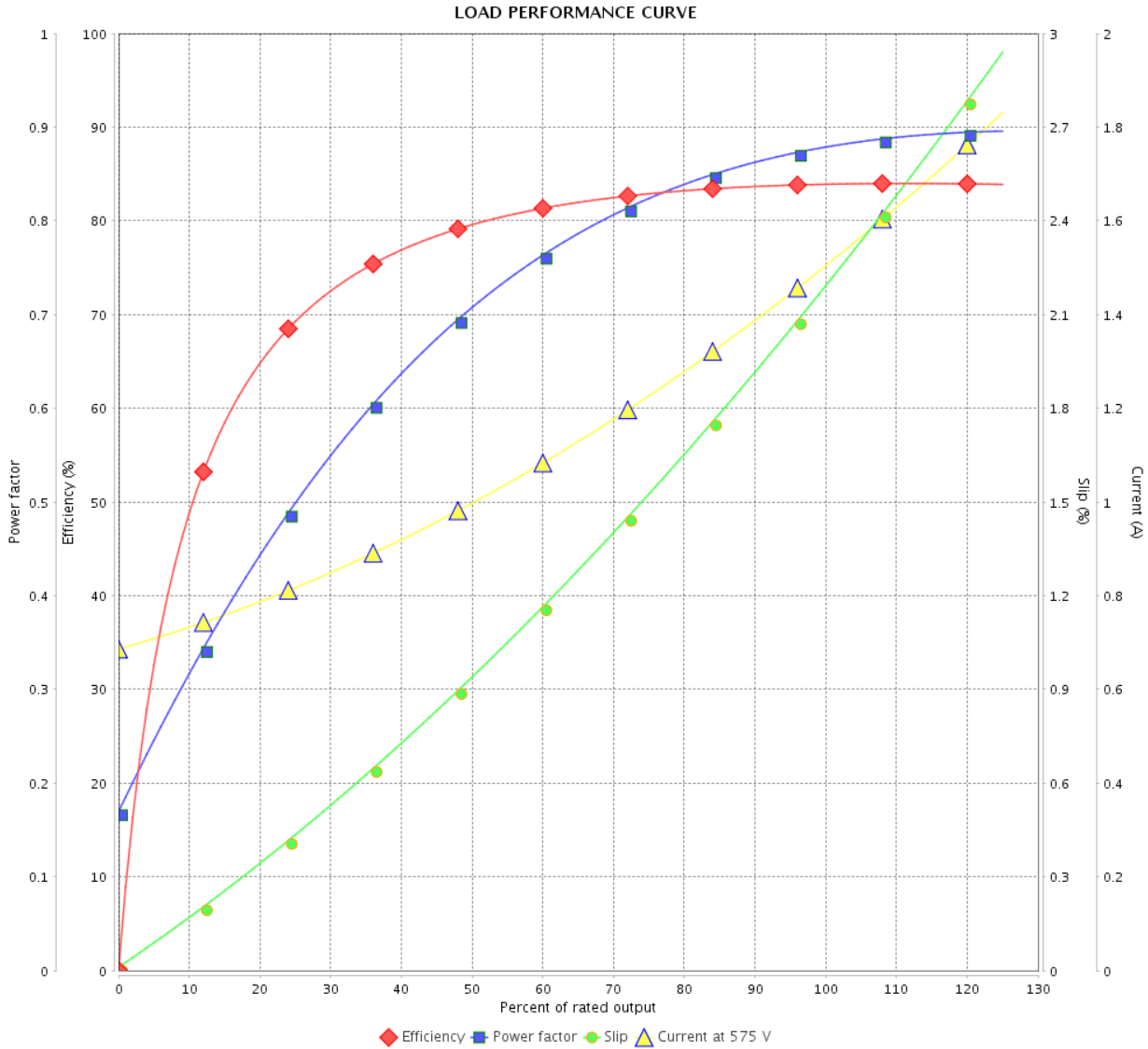
LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : Jet Pump - C type Three-Phase Product code : 13722286



Performance : 575 V 60 Hz 2P

Rated current	: 1.50 A	Moment of inertia (J)	: 0.0043 kgm ²
LRC	: 9.1	Duty cycle	: Cont.(S1)
Rated torque	: 0.309 kgfm	Insulation class	: F
Locked rotor torque	: 229 %	Service factor	: 1.15
Breakdown torque	: 300 %	Temperature rise	: 80 K
Rated speed	: 3520 rpm	Design	: B

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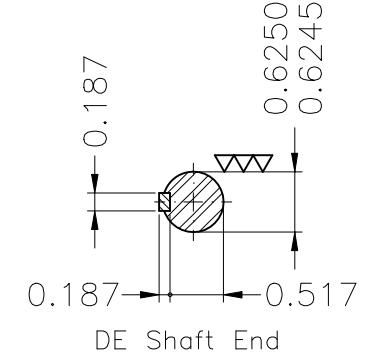
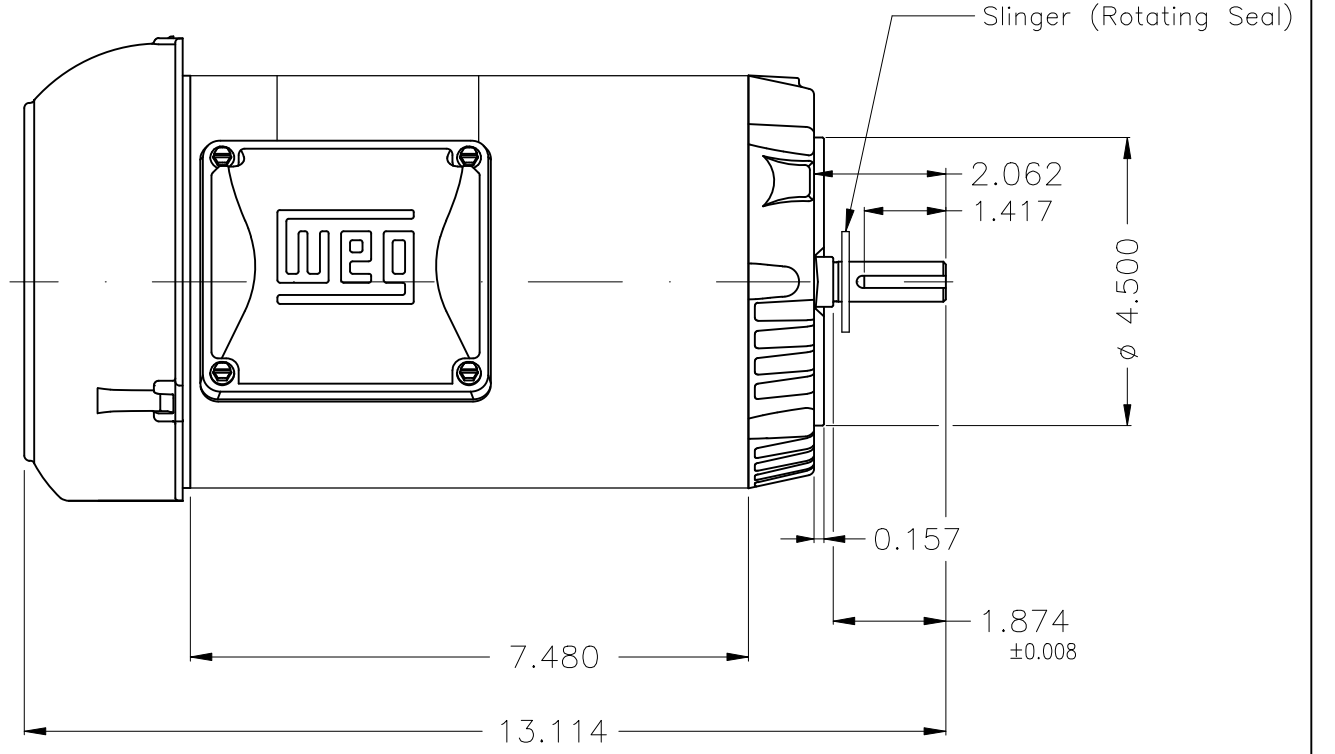
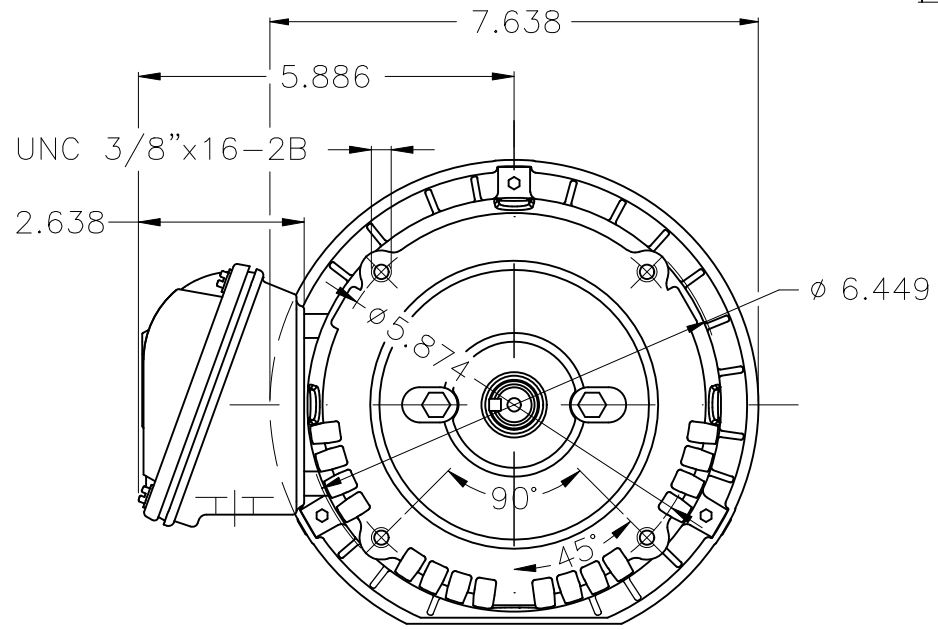
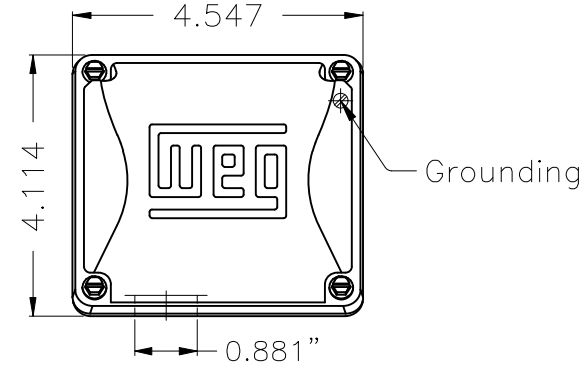
A

B

C

D

E



NDE sealing - V ring
Color Munsell N 1 matte black
Painting plan 207N
Mounting W-6/V18R(D)

ECM	LOC	SUMMARY OF MODIFICATIONS	EXECUTED	CHECKED	RELEASED	DATE	VER
EXECUTED	HYBRISUSER	THREE PH. MOTOR ROLLED STEEL JET PUMP KEYED PREM. EFF. FRAME 56C IP55 TEFC					00
CHECKED							
RELEASED							
REL. DATE	WMO	Jaragua do Sul	Product Engineering	PREVIEW	WDD	00	SHEET 1 / 1

1.5 HP 02 Poles 60 Hz

A

