

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer	:			
Product line	: Jet Pump - C type Three-Phase	Product code : 13722362		
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 : 21.6 kg		
Protection degree	: IP55	Moment of inertia (J) : 0.0070 kgm ²		
Design	: B			
Output [HP]		3		
Poles		2		
Frequency [Hz]		60		
Rated voltage [V]		575		
Rated current [A]		2.81		
L. R. Amperes [A]		26.7		
LRC [A]		9.5x(Code L)		
No load current [A]		1.02		
Rated speed [RPM]		3500		
Slip [%]		2.78		
Rated torque [kgfm]		0.621		
Locked rotor torque [%]		300		
Breakdown torque [%]		380		
Service factor		1.15		
Temperature rise		80 K		
Locked rotor time		18s (cold) 10s (hot)		
Noise level ²		68.0 dB(A)		
Efficiency (%)	25%			
	50%	84.0		
	75%	86.5		
	100%	86.5		
Power Factor	25%			
	50%	0.78		
	75%	0.87		
	100%	0.91		
Bearing type	: <u>Drive end</u> 6203 2RS <u>Non drive end</u> 6202 2RS	Foundation loads		
Sealing	: V'Ring V'Ring	Max. traction : 65 kgf		
Lubrication interval	: - -	Max. compression : 87 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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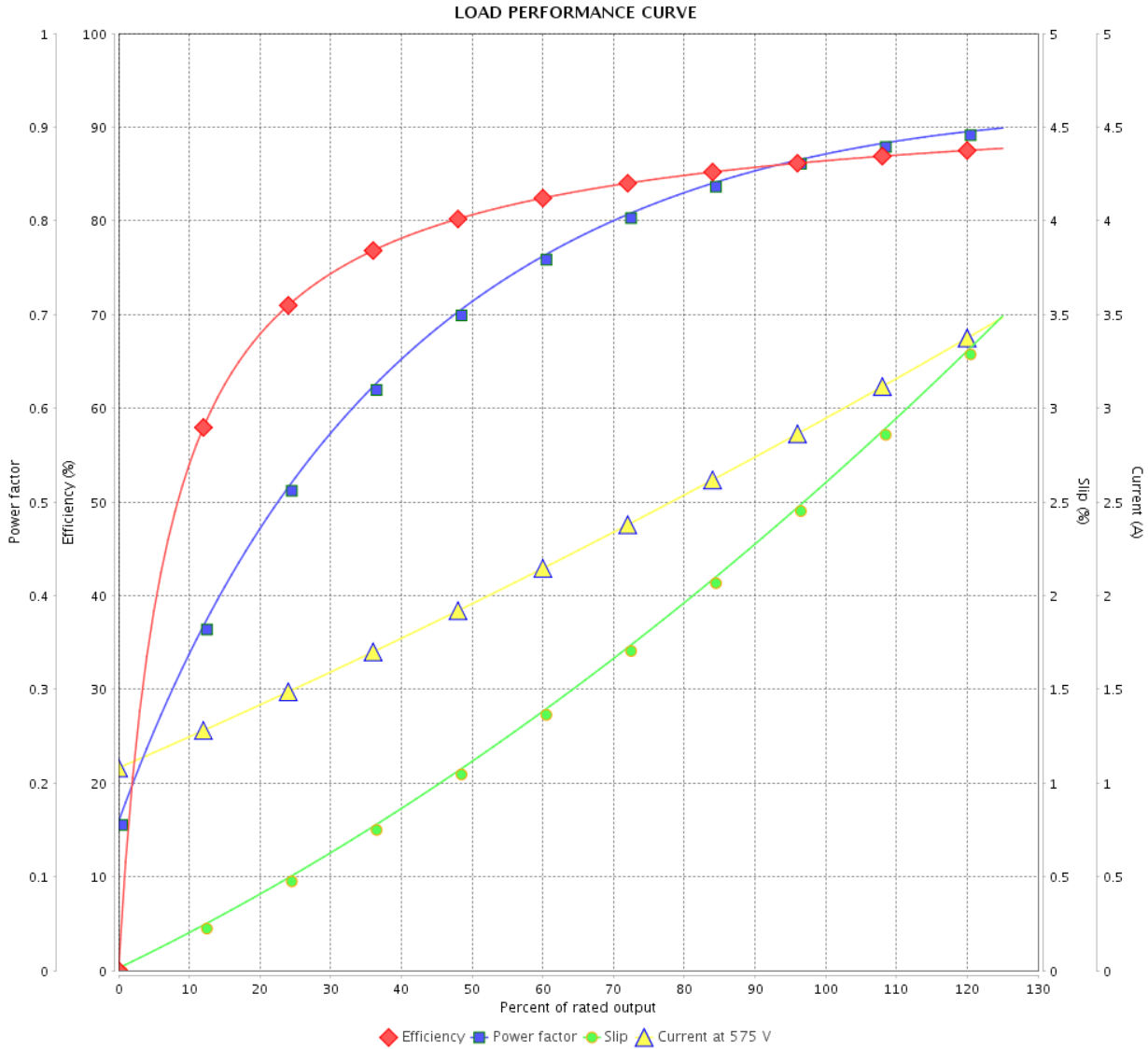
LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : Jet Pump - C type Three-Phase Product code : 13722362



Performance : 575 V 60 Hz 2P

Rated current	: 2.81 A	Moment of inertia (J)	: 0.0070 kgm ²
LRC	: 9.5	Duty cycle	: Cont.(S1)
Rated torque	: 0.621 kgfm	Insulation class	: F
Locked rotor torque	: 300 %	Service factor	: 1.15
Breakdown torque	: 380 %	Temperature rise	: 80 K
Rated speed	: 3500 rpm	Design	: B

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Date	17/05/2022			

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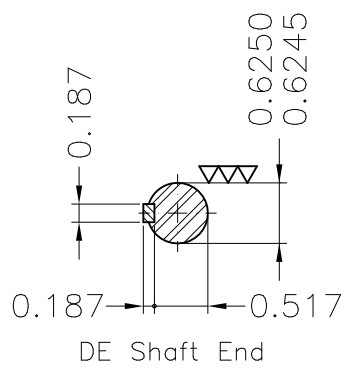
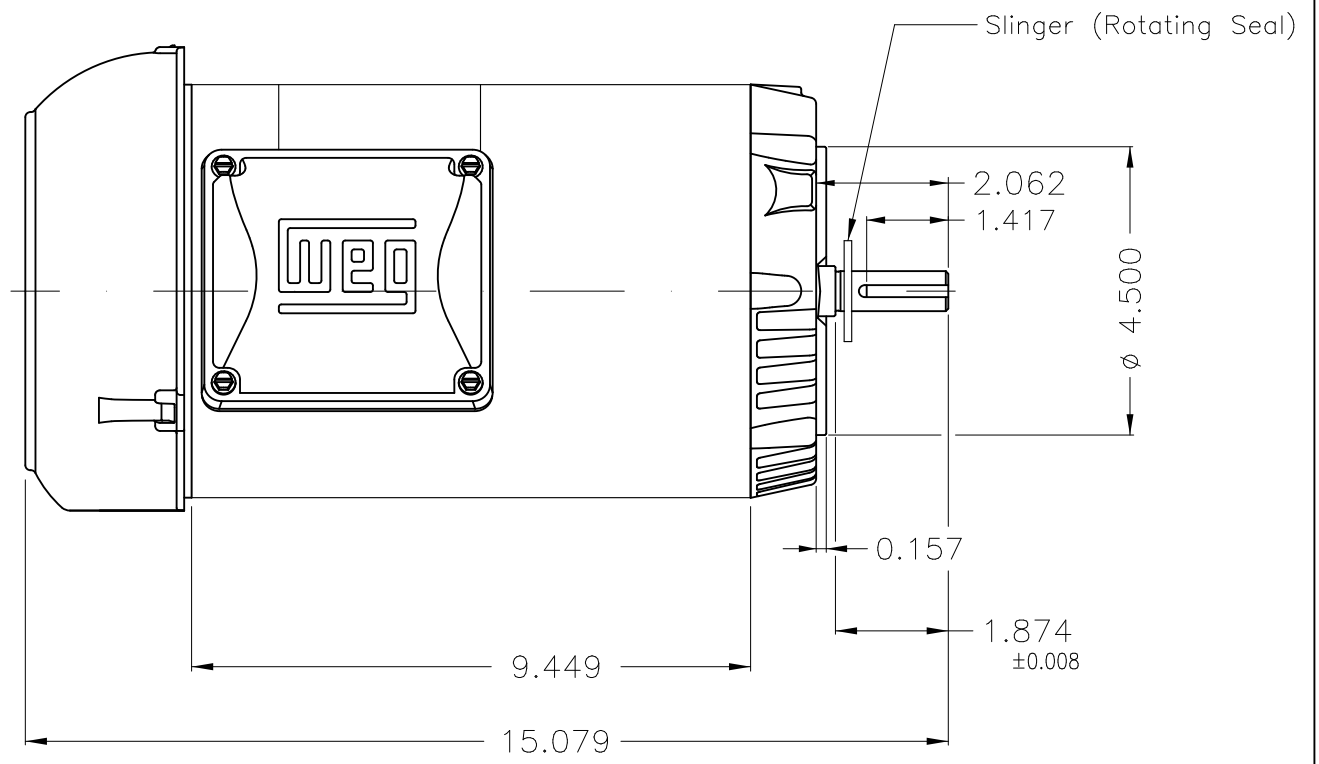
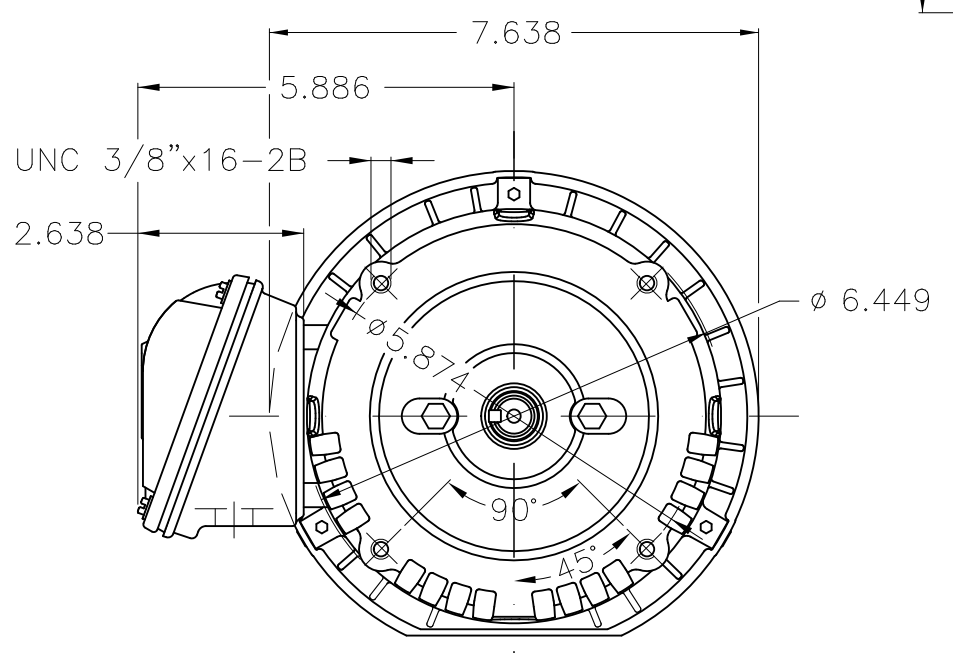
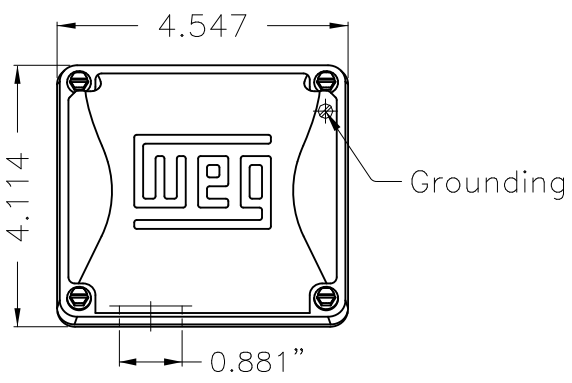
A

B

C

D

E



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

						HYBRISUSER				00	
ECM	LOC	SUMMARY OF MODIFICATIONS				EXECUTED	CHECKED	RELEASED	DATE	VER	
EXECUTED	HYBRISUSER	THREE PH. MOTOR ROLLED STEEL JET PUMP KEYED PREM 555				EXECUTED				PREVIEW	
CHECKED		FRAME 56C IP55 TEFC								WDD 00	
RELEASED										SHEET 1 / 1	
REL. DATE		WMO	Jaragua do Sul	Product Engineering						A3	

3 HP 02 Poles 60 Hz

