

DATA SHEET



Three Phase Induction Motor - Squirrel Cage

Customer					
Product line	: Jet Pump - J type Premium Efficiency Three-Phase	Product code :	13870568		
Frame	: W56J	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	: 9.5 kg		
Protection degree	: IP55	Moment of inertia (J)	: 0.0022 kgm ²		
Output [HP]	0.5				
Poles	4				
Frequency [Hz]	60				
Rated voltage [V]	575				
Rated current [A]	0.622				
L. R. Amperes [A]	3.98				
LRC [A]	6.4x(Code J)				
No load current [A]	0.397				
Rated speed [RPM]	1730				
Slip [%]	3.89				
Rated torque [kgfm]	0.210				
Locked rotor torque [%]	229				
Breakdown torque [%]	310				
Service factor	1.15				
Temperature rise	80 K				
Locked rotor time	36s (cold) 20s (hot)				
Noise level ²	50.0 dB(A)				
Efficiency (%)	25%				
	50%	74.0			
	75%	77.0			
	100%	78.5			
Power Factor	25%				
	50%	0.54			
	75%	0.67			
	100%	0.76			
Bearing type	: Drive end : 6203 2RS	Non drive end : 6202 2RS	Foundation loads		
Sealing	: V'Ring	V'Ring	Max. traction	: 16 kgf	
Lubrication interval	: -	-	Max. compression	: 25 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					
Checked by				Page	Revision
Date	16/05/2022			1 / 2	

LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage

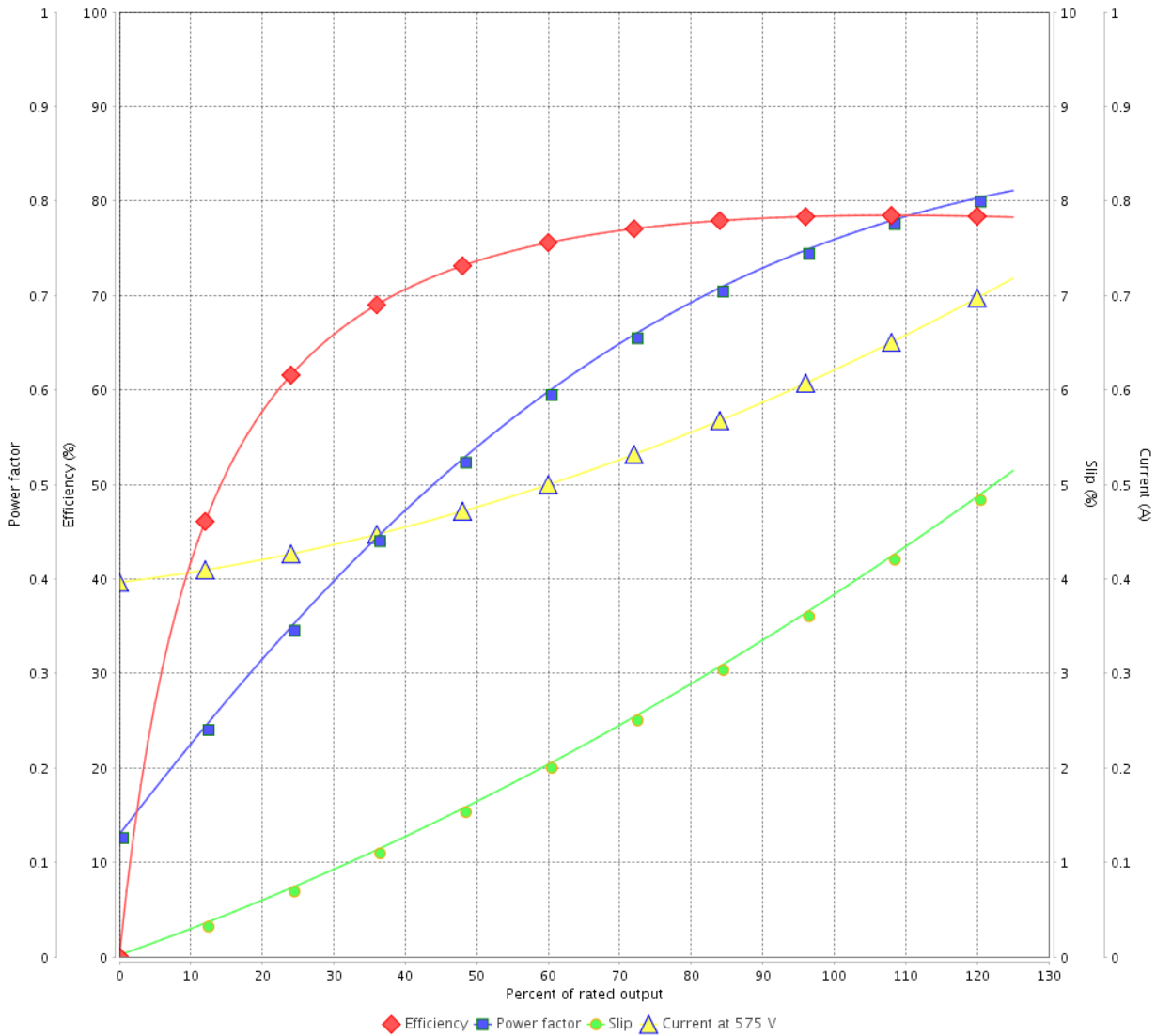


Customer :

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

Product code : 13870568

LOAD PERFORMANCE CURVE



Performance : 575 V 60 Hz 4P

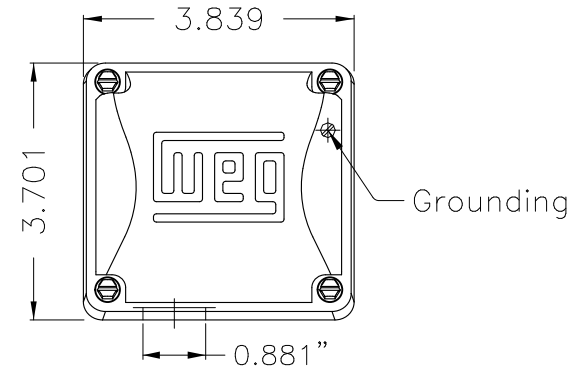
Rated current : 0.622 A
LRC : 6.4
Rated torque : 0.210 kgfm
Locked rotor torque : 229 %
Breakdown torque : 310 %
Rated speed : 1730 rpm

Moment of inertia (J) : 0.0022 kgm²
Duty cycle : Cont.(S1)
Insulation class : F
Service factor : 1.15
Temperature rise : 80 K

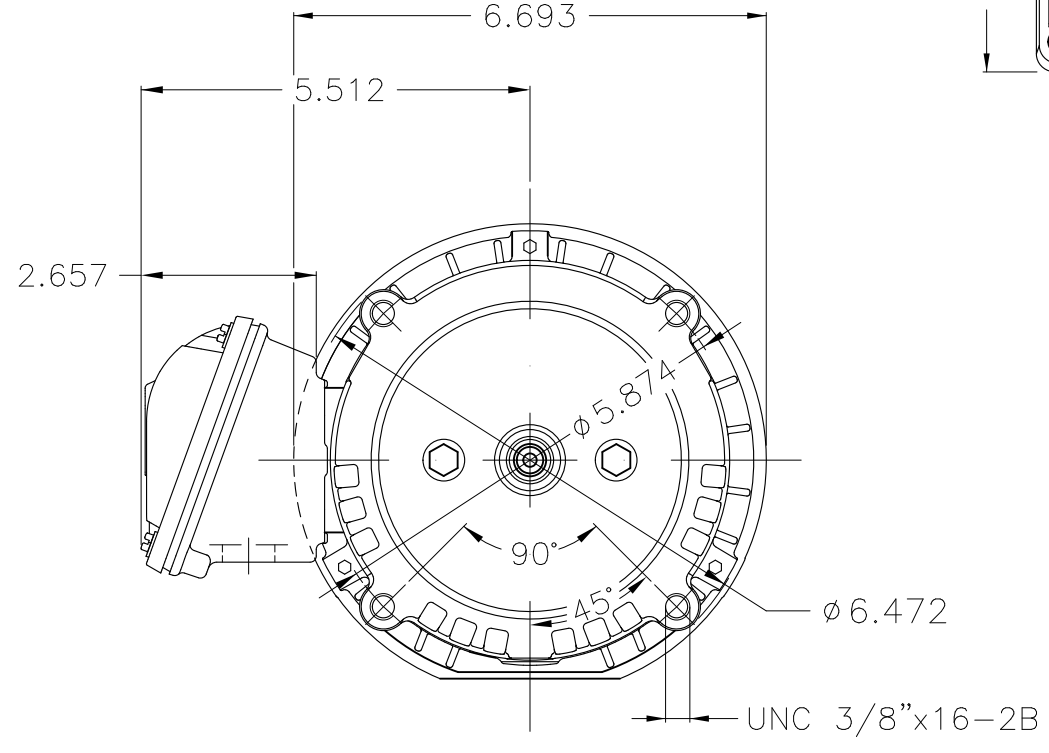
Rev.	Changes Summary	Performed	Checked	Date
Performed by			Page	Revision
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Date				

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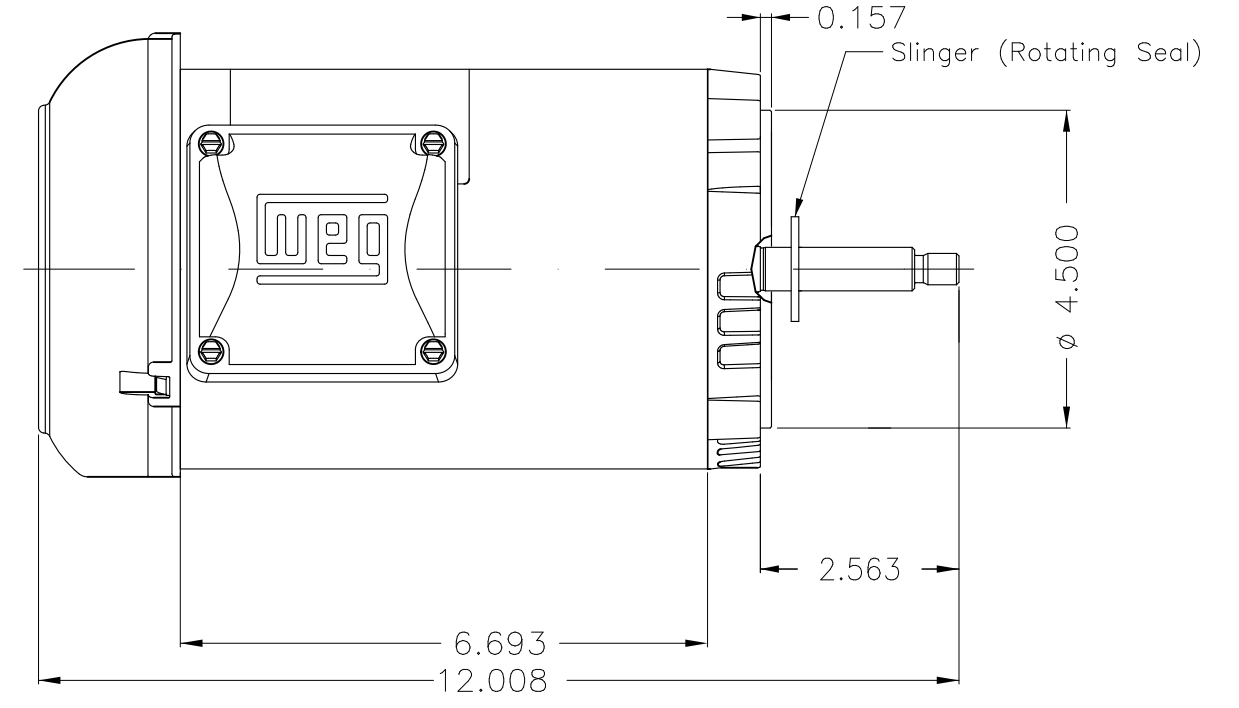
A



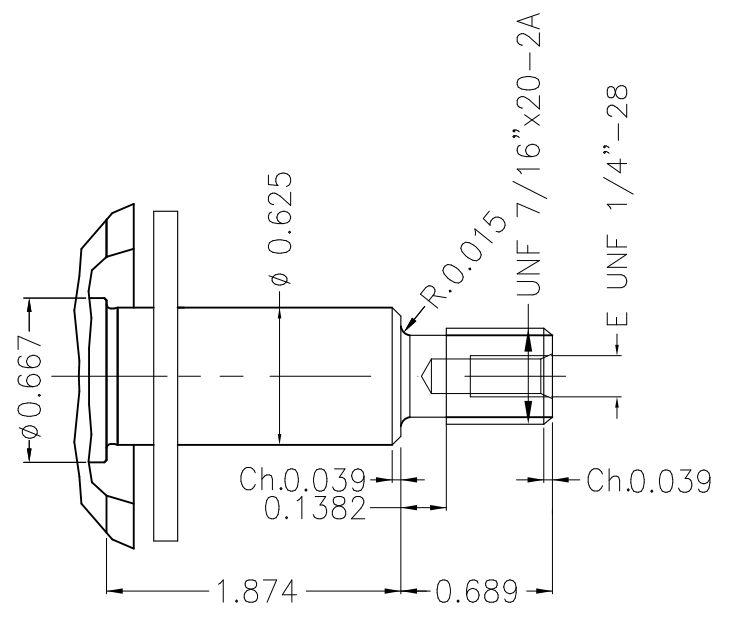
B



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 THREADED PRESSURE									
CHECKED		FRAME W56J IP55 TEFC									
RELEASED											
REL. DATE		WMO	Jaragua do Sul	Product Engineering							

0.5 HP 04 Poles 60 Hz

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