

# 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 <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>	: 9.5 kg		
Protection degree	: IP55	Moment of inertia (J)	: 0.0022 kgm <sup>2</sup>		
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 <sup>2</sup>	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

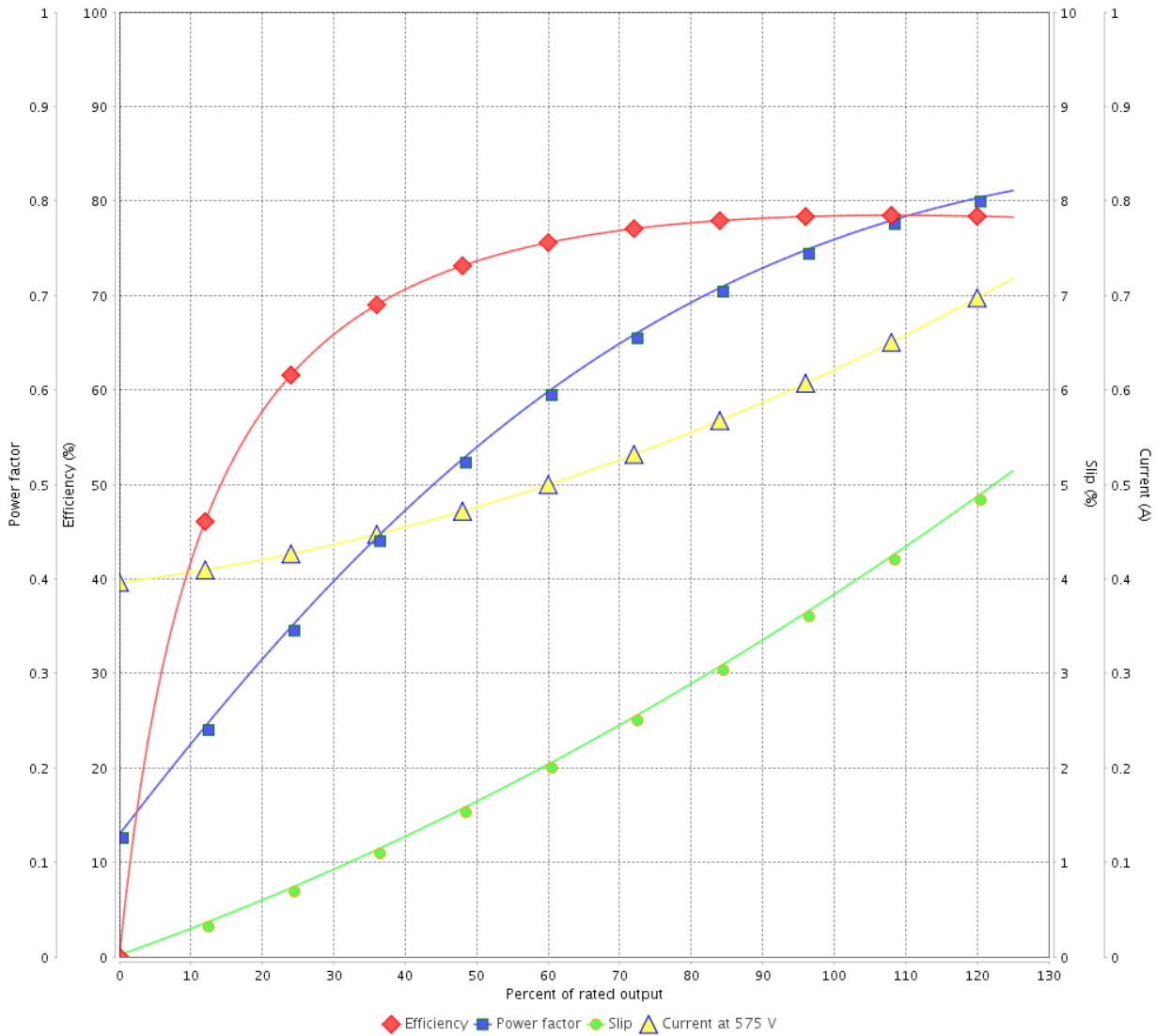


Customer :

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 kgm<sup>2</sup>  
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
Checked by				
Date				

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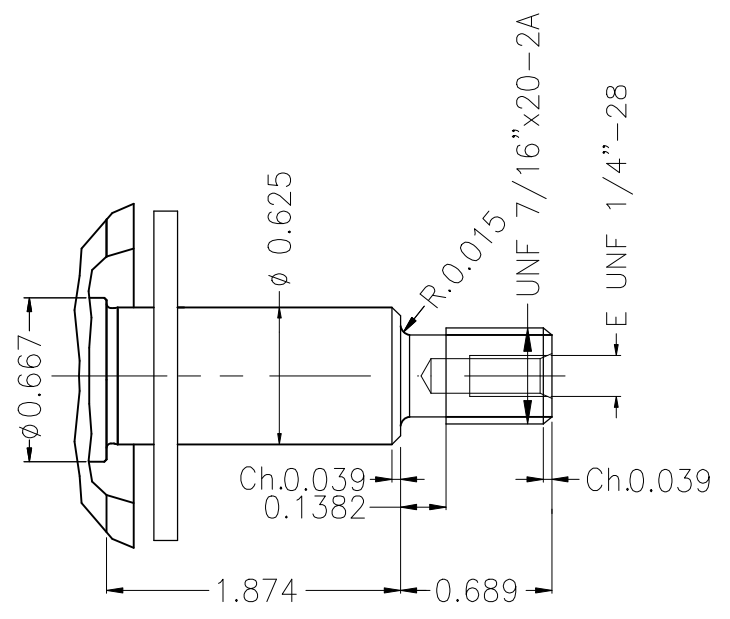
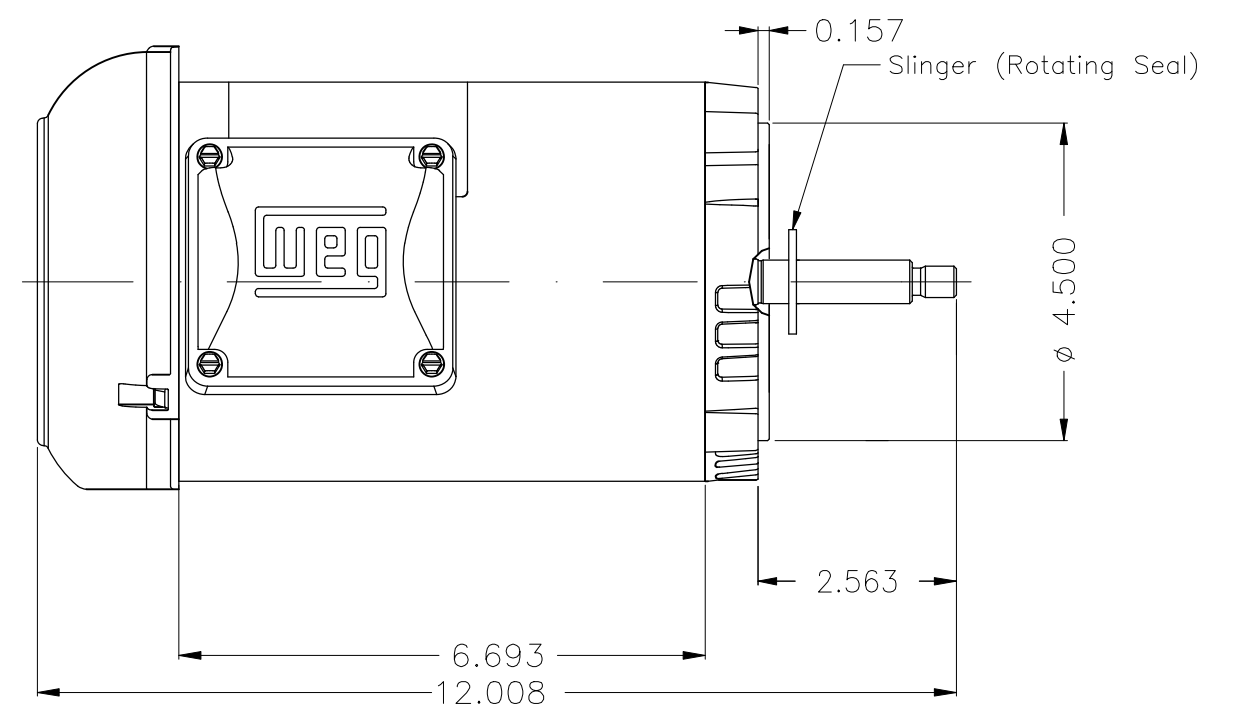
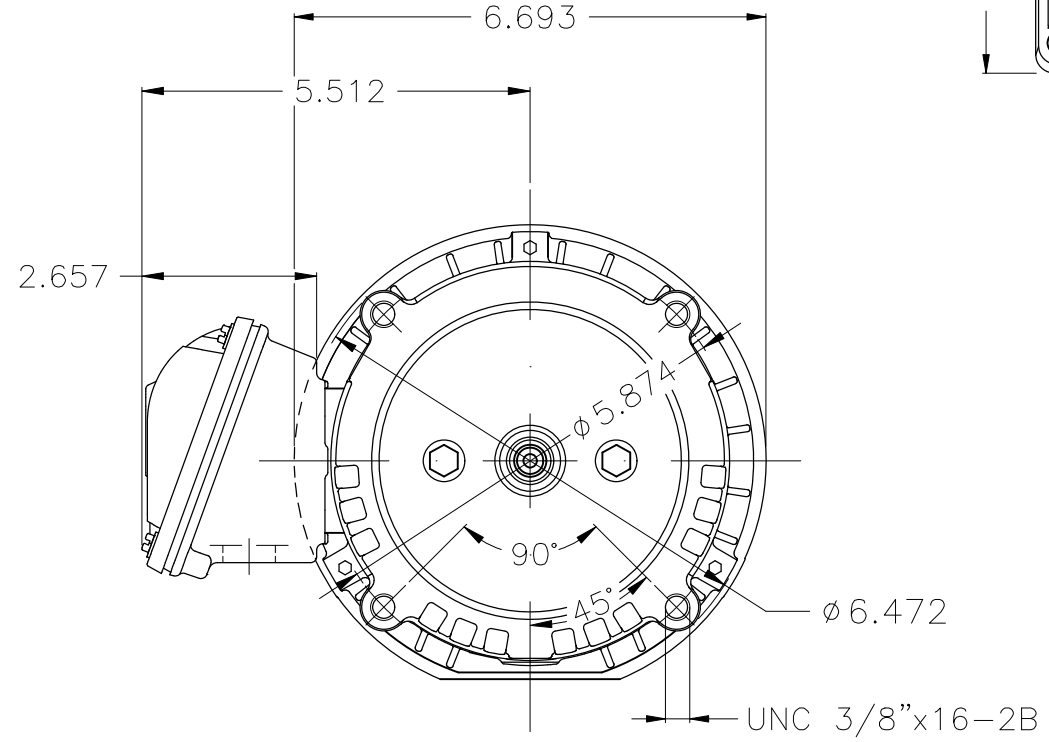
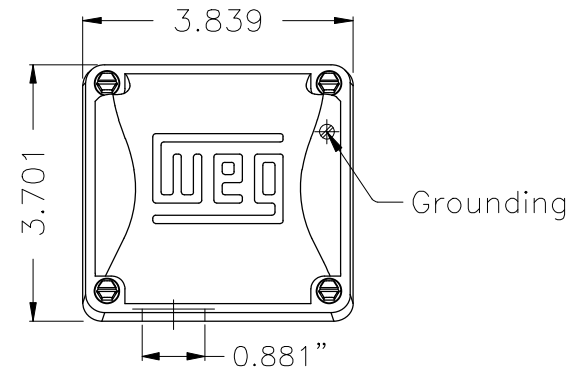
A

B

C

D

E



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

ECM	LOC	SUMMARY OF MODIFICATIONS	EXECUTED	CHECKED	RELEASED	DATE	VER
EXECUTED	HYBRISUSER	THREE PH. MOTOR ROLLED STEEL JET PUMP THREADED PREL. SET					
CHECKED		FRAME W56J IP55 TEFC					
RELEASED							

REL. DATE: WMO Jaragua do Sul Product Engineering SHEET 1 / 1

HYBRISUSER 00

WDD 00

PREVIEW

0.5 HP 04 Poles 60 Hz

Dimensions in inches XME A3