

DATA SHEET

Single Phase Induction Motor - Squirrel Cage



Customer					
Product line	: Jet Pump - J type Single-Phase	Product code	: 13789730		
Frame	: W56J	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	: 8.4 kg		
Protection degree	: IP55	Moment of inertia (J)	: 0.0008 kgm ²		
Design	: N				
Output [HP]	0.33				
Poles	2				
Frequency [Hz]	60				
Rated voltage [V]	115/208-230				
Rated current [A]	5.20/2.88-2.60				
L. R. Amperes [A]	36.4/20.2-18.2				
LRC [A]	7.0x(Code P)				
No load current [A]	3.60/1.55-1.80				
Rated speed [RPM]	3490				
Slip [%]	3.06				
Rated torque [kgfm]	0.069				
Locked rotor torque [%]	290				
Breakdown torque [%]	290				
Service factor					
Temperature rise	80 K				
Locked rotor time	14s (cold) 8s (hot)				
Noise level ²	66.0 dB(A)				
Efficiency (%)	25%	41.7			
	50%	44.5			
	75%	52.5			
	100%	56.5			
Power Factor	25%	0.34			
	50%	0.59			
	75%	0.67			
	100%	0.74			
Bearing type	: Drive end	6203 2RS	Non drive end	6202 2RS	
Sealing	: V'Ring		Without	Bearing Seal	
Lubrication interval	: -		-		
Lubricant amount	: -		-		
Lubricant type	: Mobil Polyrex EM				
Foundation loads	Max. traction : 2 kgf				
	Max. compression : 10 kgf				
Notes					
This revision replaces and cancel the previous one, which must be eliminated. (1) Looking the motor from the shaft end. (2) Measured at 1m and with tolerance of +3dB(A). (3) Approximate weight subject to changes after manufacturing process. (4) At 100% of full load.			These are average values based on tests with sinusoidal power supply, subject to the tolerances stipulated in NEMA MG-1.		
Rev.	Changes Summary		Performed	Checked	Date
Performed by					
Checked by				Page	Revision
Date	17/05/2022			1 / 2	

LOAD PERFORMANCE CURVE

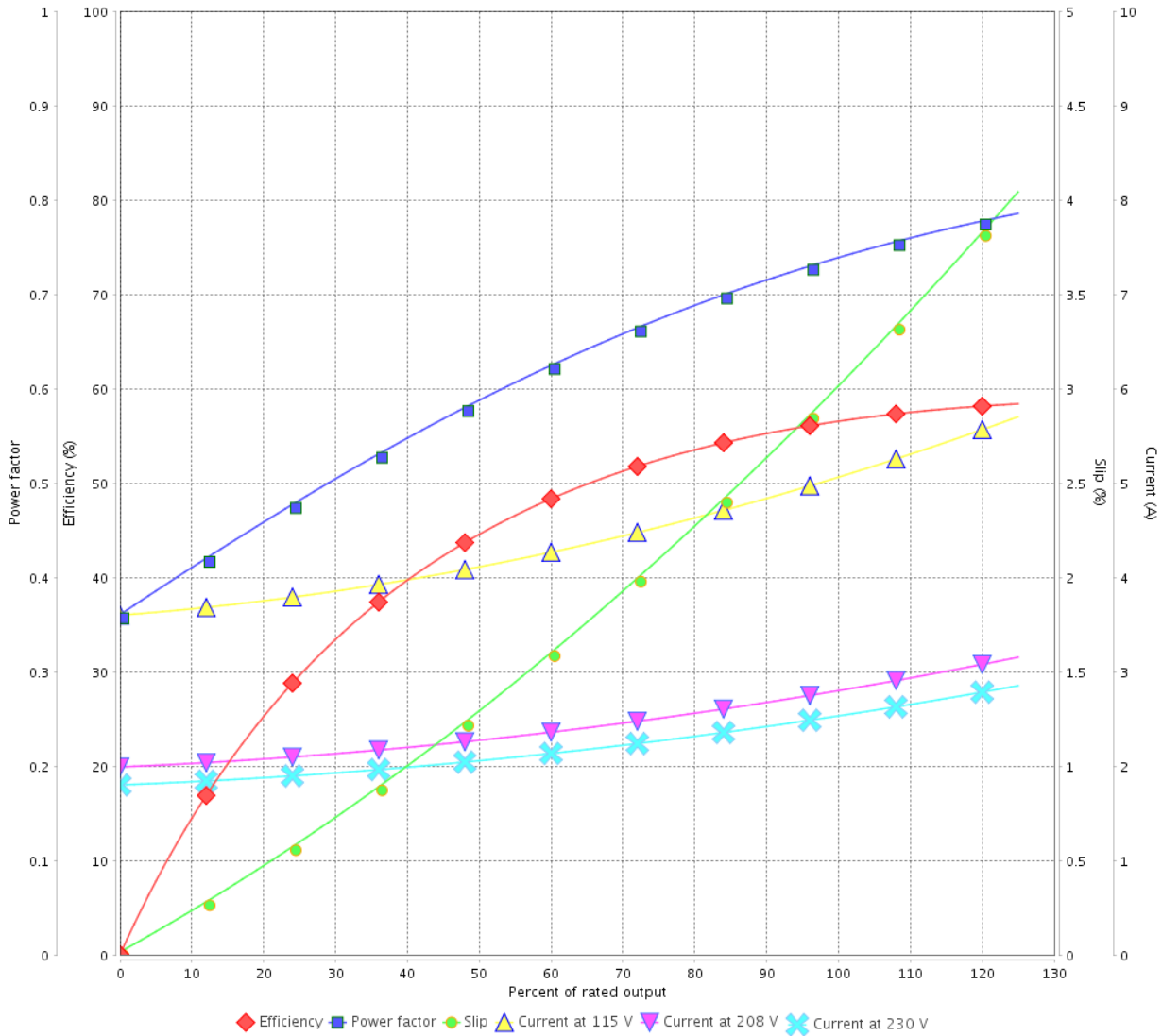
Single Phase Induction Motor - Squirrel Cage



Customer :

Product line : Jet Pump - J type Single-Phase Product code : 13789730

LOAD PERFORMANCE CURVE



Performance : 115/208-230 V 60 Hz 2P

Rated current : 5.20/2.88-2.60 A
 LRC : 7.0
 Rated torque : 0.069 kgfm
 Locked rotor torque : 290 %
 Breakdown torque : 290 %
 Rated speed : 3490 rpm

Moment of inertia (J) : 0.0008 kgm²
 Duty cycle : Cont.(S1)
 Insulation class : F
 Service factor :
 Temperature rise : 80 K
 Design : N

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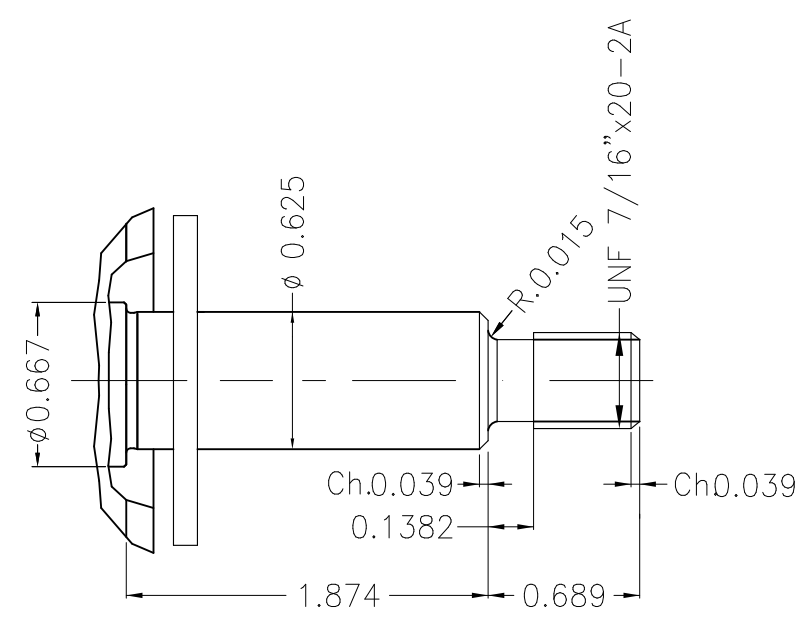
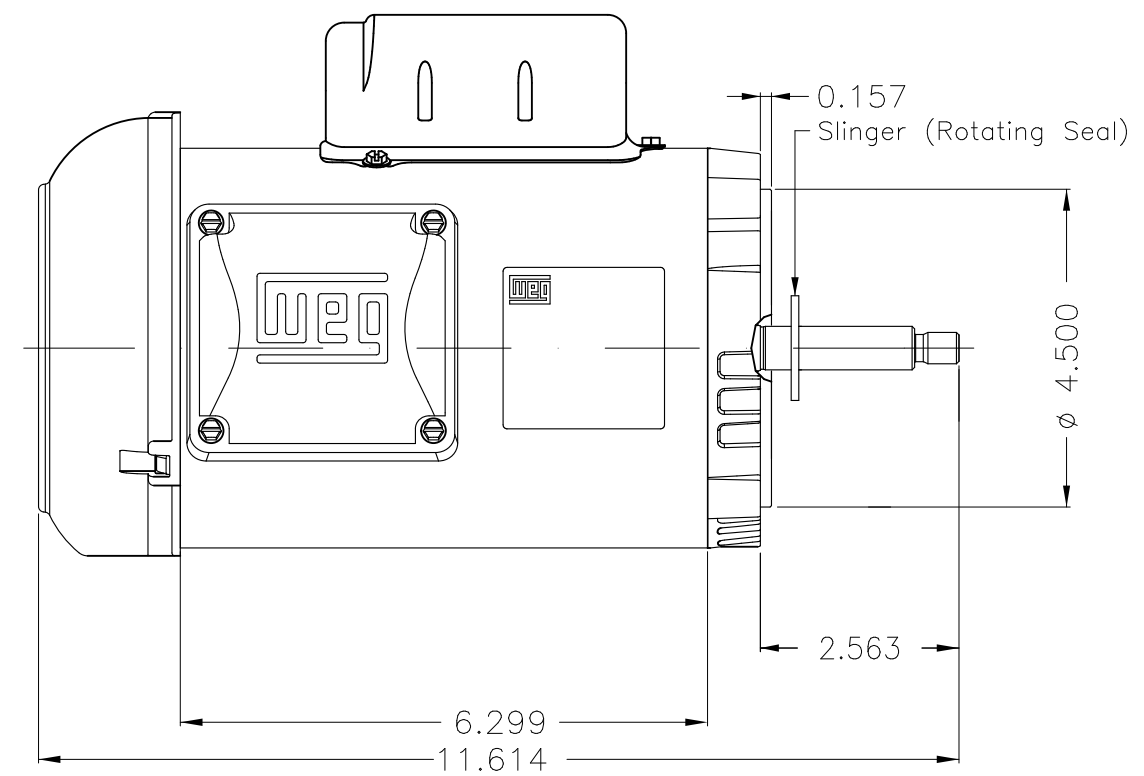
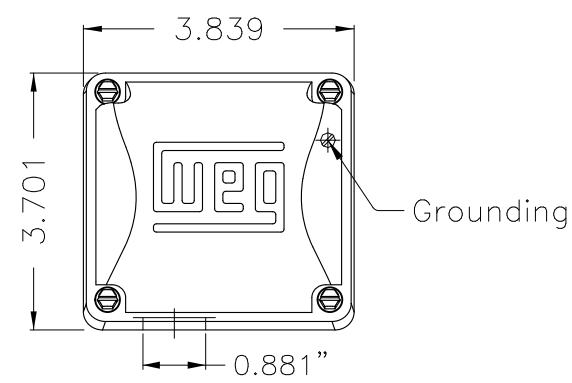
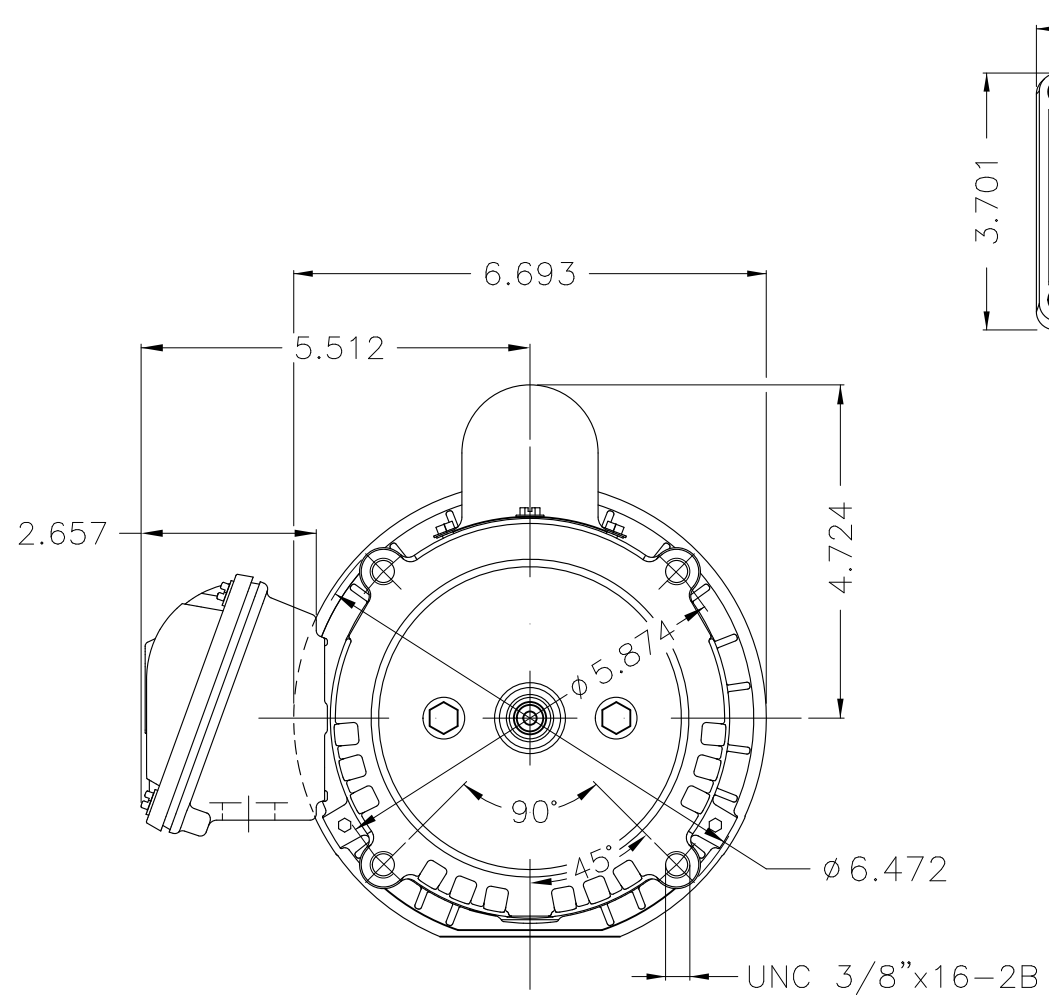
A

B

C

D

E



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	SINGLE PH. MOTOR ROLLED STEEL JET PUMP THREADED									PREVIEW WDD 00 SHEET 1 / 1
CHECKED		FRAME W56J IP55 TEFC									
RELEASED											
REL. DATE		WMO	Jaragua do Sul	Product Engineering							

0.33 HP 02 Poles 60 Hz