

DATA SHEET



Three Phase Induction Motor - Squirrel Cage

Customer	:				
Product line	: Jet Pump - J type Standard Efficiency Three-Phase	Product code :	13905944		
Frame	: 56J	Cooling method	: IC01 - ODP		
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	: 14.8 kg		
Design	: A	Moment of inertia (J)	: 0.0040 kgm ²		
Output [HP]	3				
Poles	2				
Frequency [Hz]	60				
Rated voltage [V]	575				
Rated current [A]	3.11				
L. R. Amperes [A]	21.8				
LRC [A]	7.0x(Code J)				
No load current [A]	1.28				
Rated speed [RPM]	3450				
Slip [%]	4.17				
Rated torque [kgfm]	0.631				
Locked rotor torque [%]	220				
Breakdown torque [%]	250				
Service factor	1.15				
Temperature rise	80 K				
Locked rotor time	14s (cold) 8s (hot)				
Noise level ²	62.0 dB(A)				
Efficiency (%)	25%				
	50%	80.0			
	75%	81.5			
	100%	81.5			
Power Factor	25%				
	50%	0.70			
	75%	0.82			
	100%	0.87			
Bearing type	: Drive end 6203 2RS	Non drive end 6202 2RS	Foundation loads		
Sealing	: Without Bearing Seal	Without Bearing Seal	Max. traction	: 43 kgf	
Lubrication interval	: -	-	Max. compression	: 58 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					
Date	16/05/2022			Page	Revision
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LOAD PERFORMANCE CURVE

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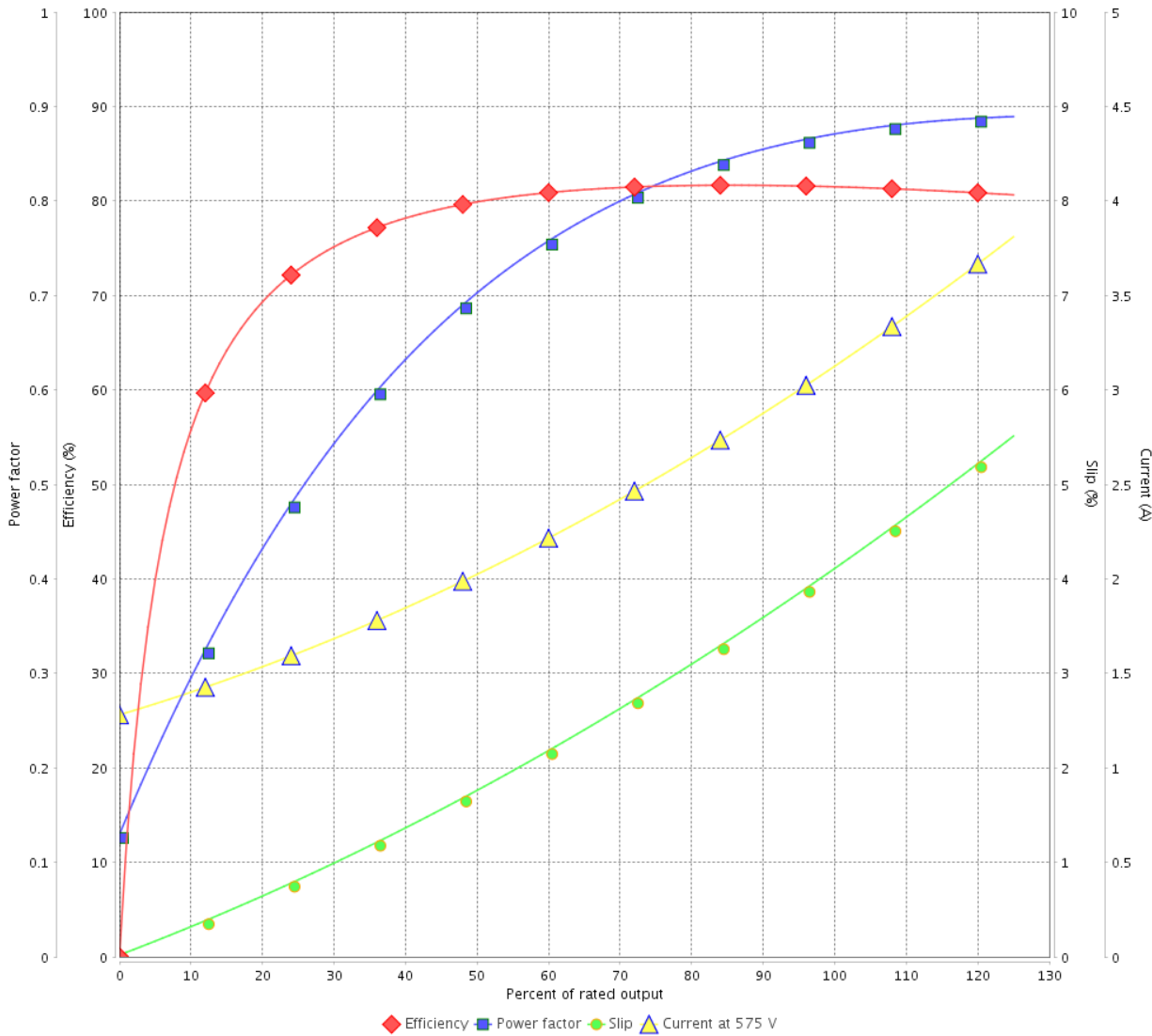


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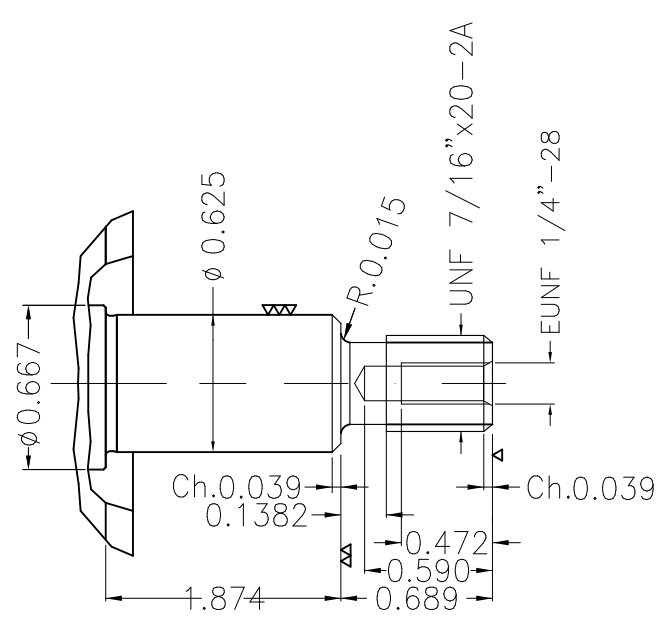
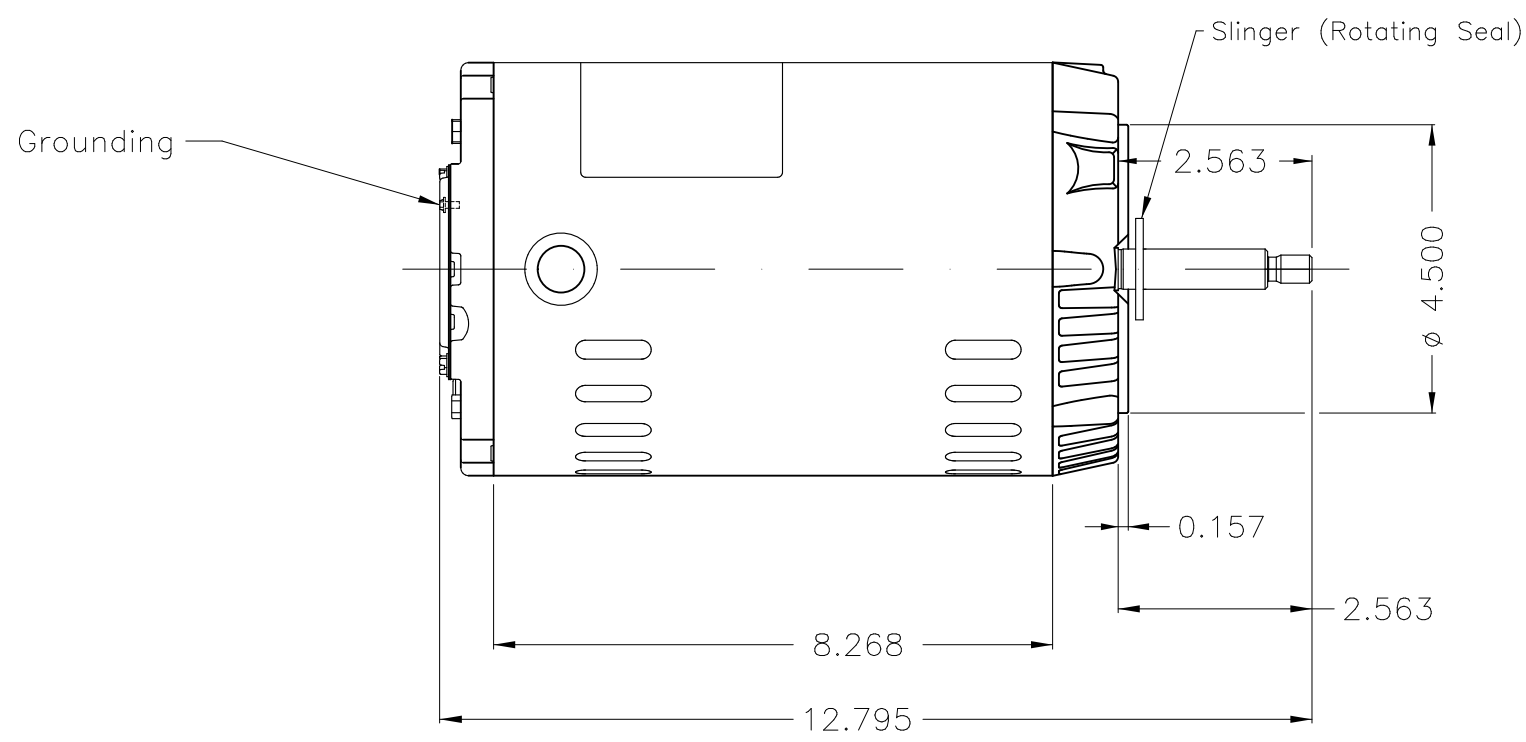
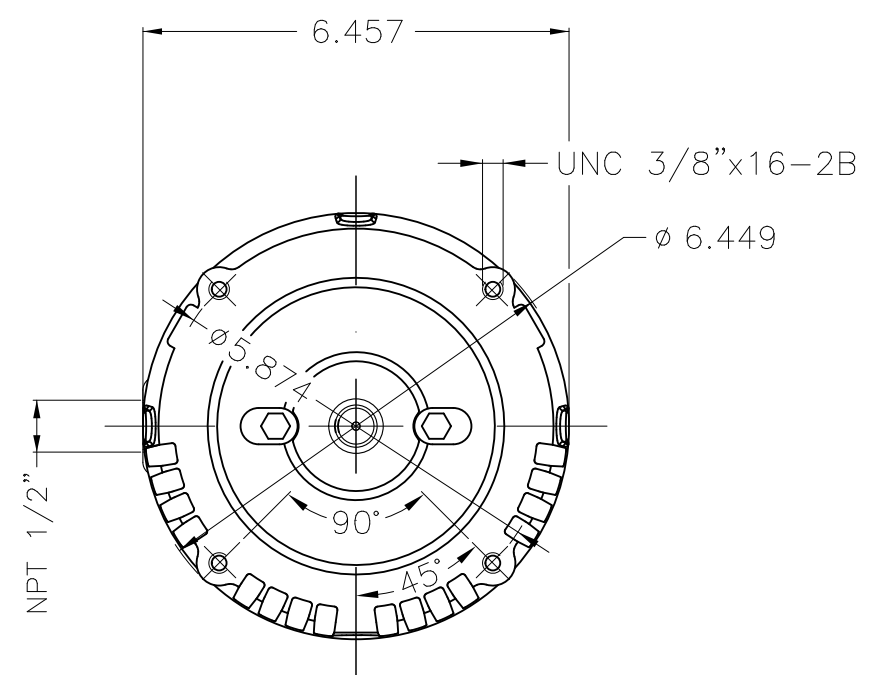
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Performance : 575 V 60 Hz 2P

Rated current	: 3.11 A	Moment of inertia (J)	: 0.0040 kgm ²
LRC	: 7.0	Duty cycle	: Cont.(S1)
Rated torque	: 0.631 kgfm	Insulation class	: F
Locked rotor torque	: 220 %	Service factor	: 1.15
Breakdown torque	: 250 %	Temperature rise	: 80 K
Rated speed	: 3450 rpm	Design	: A

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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	THREE PH. MOTOR ROLLED STEEL JET PUMP THREADED				PREVIEW			
CHECKED		FRAME 56J IP21 ODP				WDD	00		
RELEASED						SHEET	1 / 1		
REL. DATE		WMO	Jaragua do Sul	Product Engineering					

3 HP 02 Poles 60 Hz