

# DATA SHEET

## Three Phase Induction Motor - Squirrel Cage



Customer					
Product line	: Jet Pump - J type Three-Phase	Product code	: 14103958		
Frame	: W56J	Cooling method	: IC01 - ODP		
Insulation class	: F	Mounting	: F-1		
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>	: 11.5 kg		
Design	: A	Moment of inertia (J)	: 0.0014 kgm <sup>2</sup>		
Output [HP]	1.5				
Poles	2				
Frequency [Hz]	60				
Rated voltage [V]	575				
Rated current [A]	1.69				
L. R. Amperes [A]	14.9				
LRC [A]	8.8x(Code L)				
No load current [A]	0.960				
Rated speed [RPM]	3450				
Slip [%]	4.17				
Rated torque [kgfm]	0.316				
Locked rotor torque [%]	400				
Breakdown torque [%]	430				
Service factor	1.30				
Temperature rise	80 K				
Locked rotor time	23s (cold) 13s (hot)				
Noise level <sup>2</sup>	62.0 dB(A)				
Efficiency (%)	25%				
	50%	78.5			
	75%	82.5			
	100%	84.0			
Power Factor	25%				
	50%	0.59			
	75%	0.72			
	100%	0.78			
Bearing type	: <u>Drive end</u> 6203 2RS	<u>Non drive end</u> 6202 2RS	Foundation loads		
Sealing	: Without	Without	Max. traction	: 37 kgf	
	Bearing Seal	Bearing Seal	Max. compression	: 49 kgf	
Lubrication interval	: -	-			
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	11/05/2022			1 / 2	

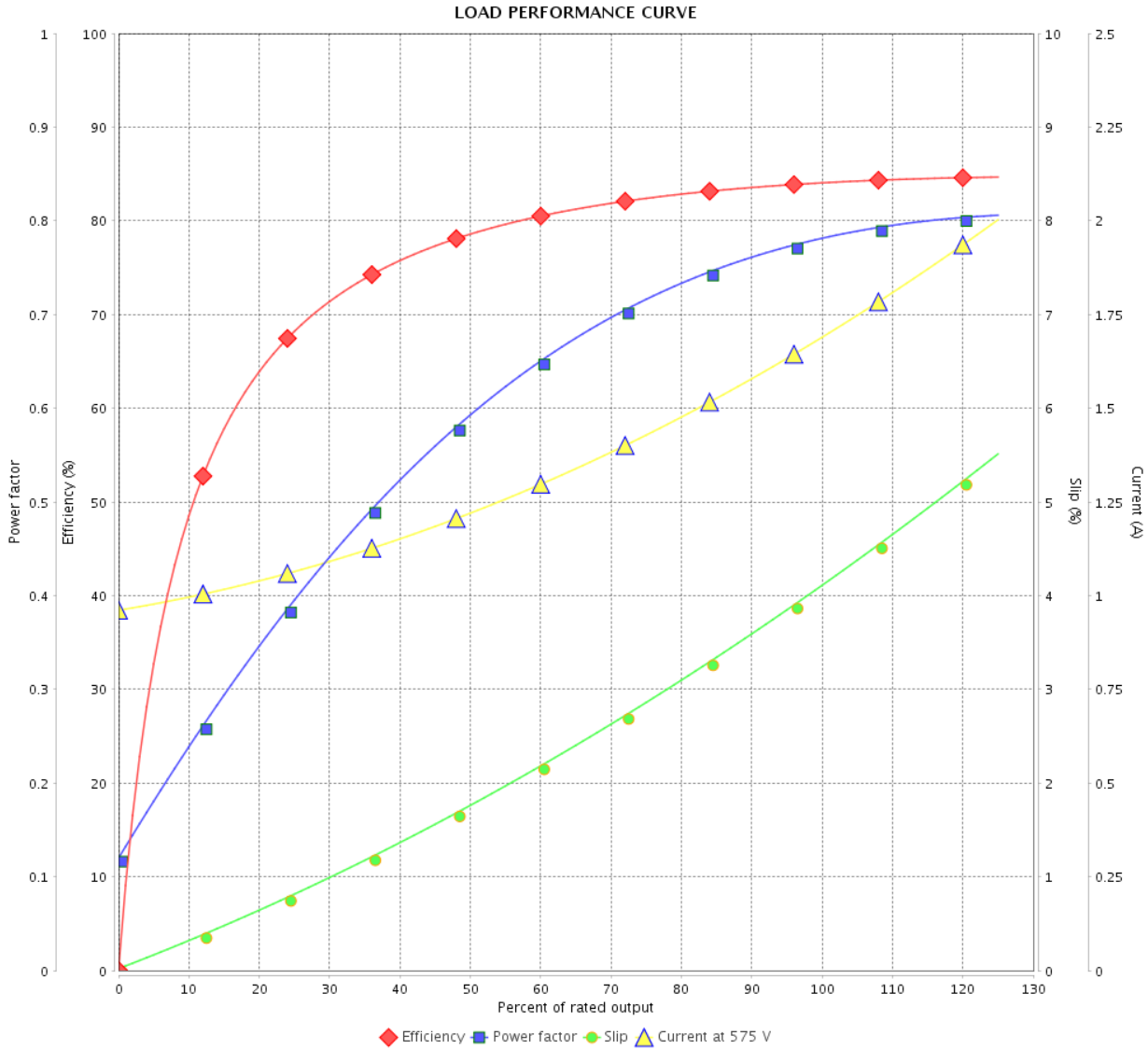
# LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage



Customer :

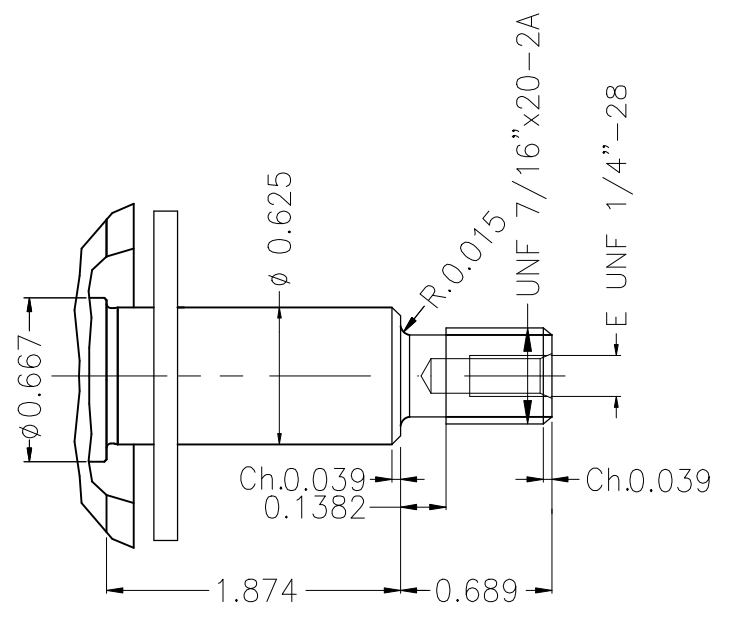
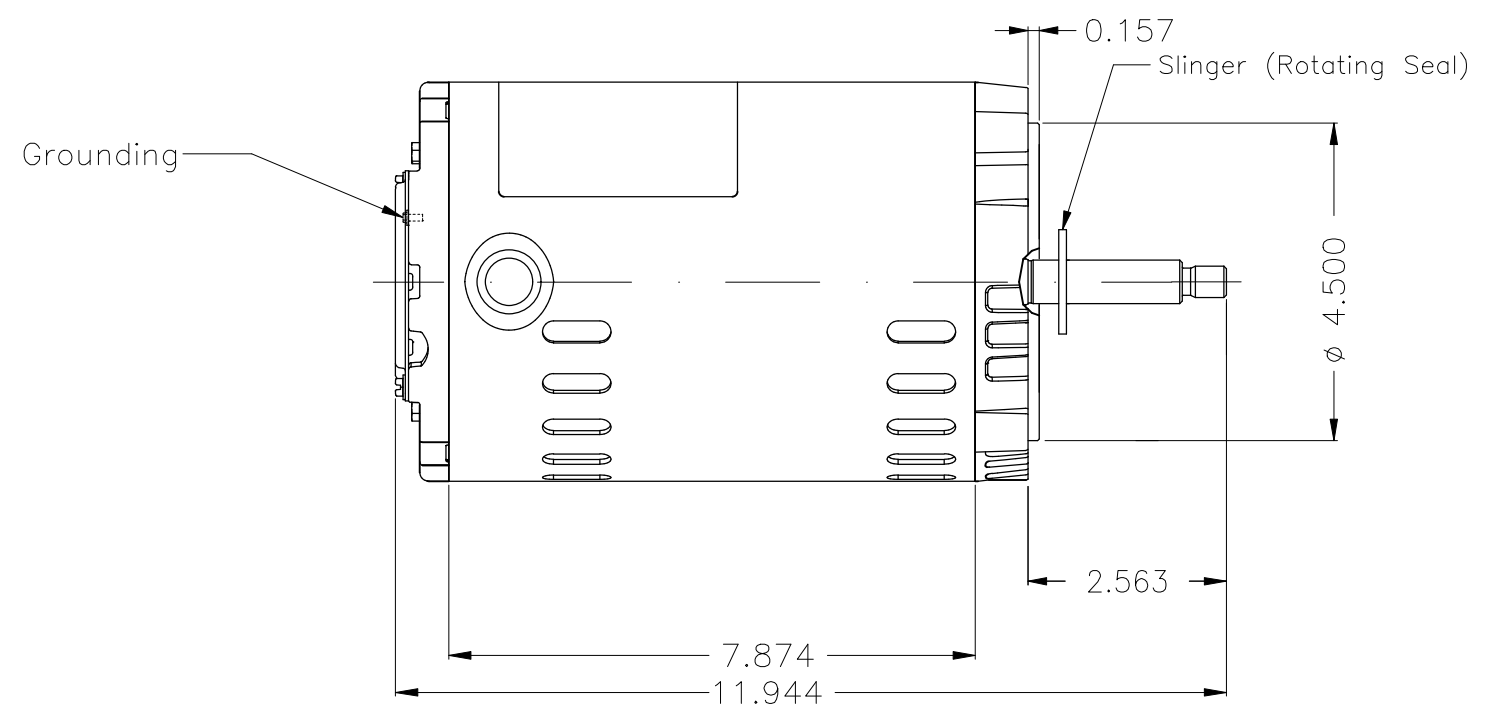
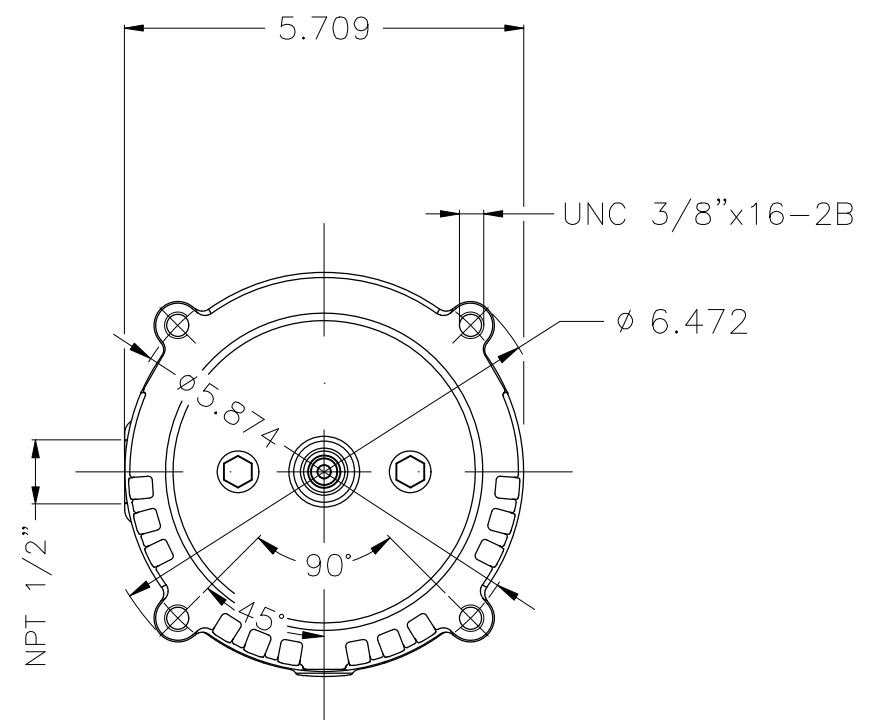
Product line : Jet Pump - J type Three-Phase      Product code : 14103958



Performance : 575 V 60 Hz 2P

Rated current	: 1.69 A	Moment of inertia (J)	: 0.0014 kgm <sup>2</sup>
LRC	: 8.8	Duty cycle	: Cont.(S1)
Rated torque	: 0.316 kgfm	Insulation class	: F
Locked rotor torque	: 400 %	Service factor	: 1.30
Breakdown torque	: 430 %	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)

ECM	LOC	SUMMARY OF MODIFICATIONS	EXECUTED	CHECKED	RELEASED	DATE	VER
EXECUTED	HYBRISUSER	THREE PH. MOTOR ROLLED STEEL JET PUMP THREADED PREL. SET					00
CHECKED		FRAME W56J IP21 ODP					
RELEASED							

1.5 HP 02 Poles 60 Hz

A

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