

DATA SHEET



Three Phase Induction Motor - Squirrel Cage

Customer	:			
Product line	: Jet Pump - J type Premium Efficiency Three-Phase	Product code : 14689310		
Frame	: W56J	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 : 7.6 kg		
		Moment of inertia (J) : 0.0008 kgm ²		
Output [HP]		0.75		
Poles		2		
Frequency [Hz]		60		
Rated voltage [V]		575		
Rated current [A]		0.944		
L. R. Amperes [A]		7.36		
LRC [A]		7.8x(Code L)		
No load current [A]		0.640		
Rated speed [RPM]		3450		
Slip [%]		4.17		
Rated torque [kgfm]		0.158		
Locked rotor torque [%]		370		
Breakdown torque [%]		400		
Service factor		1.50		
Temperature rise		80 K		
Locked rotor time		32s (cold) 18s (hot)		
Noise level ²		62.0 dB(A)		
Efficiency (%)	25%			
	50%	68.0		
	75%	72.0		
	100%	76.8		
Power Factor	25%			
	50%	0.57		
	75%	0.69		
	100%	0.76		
Bearing type	: Drive end : 6203 2RS Non drive end : 6202 2RS	Foundation loads		
Sealing	: Without Bearing Seal Without Bearing Seal	Max. traction : 16 kgf		
		Max. compression : 24 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
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LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage

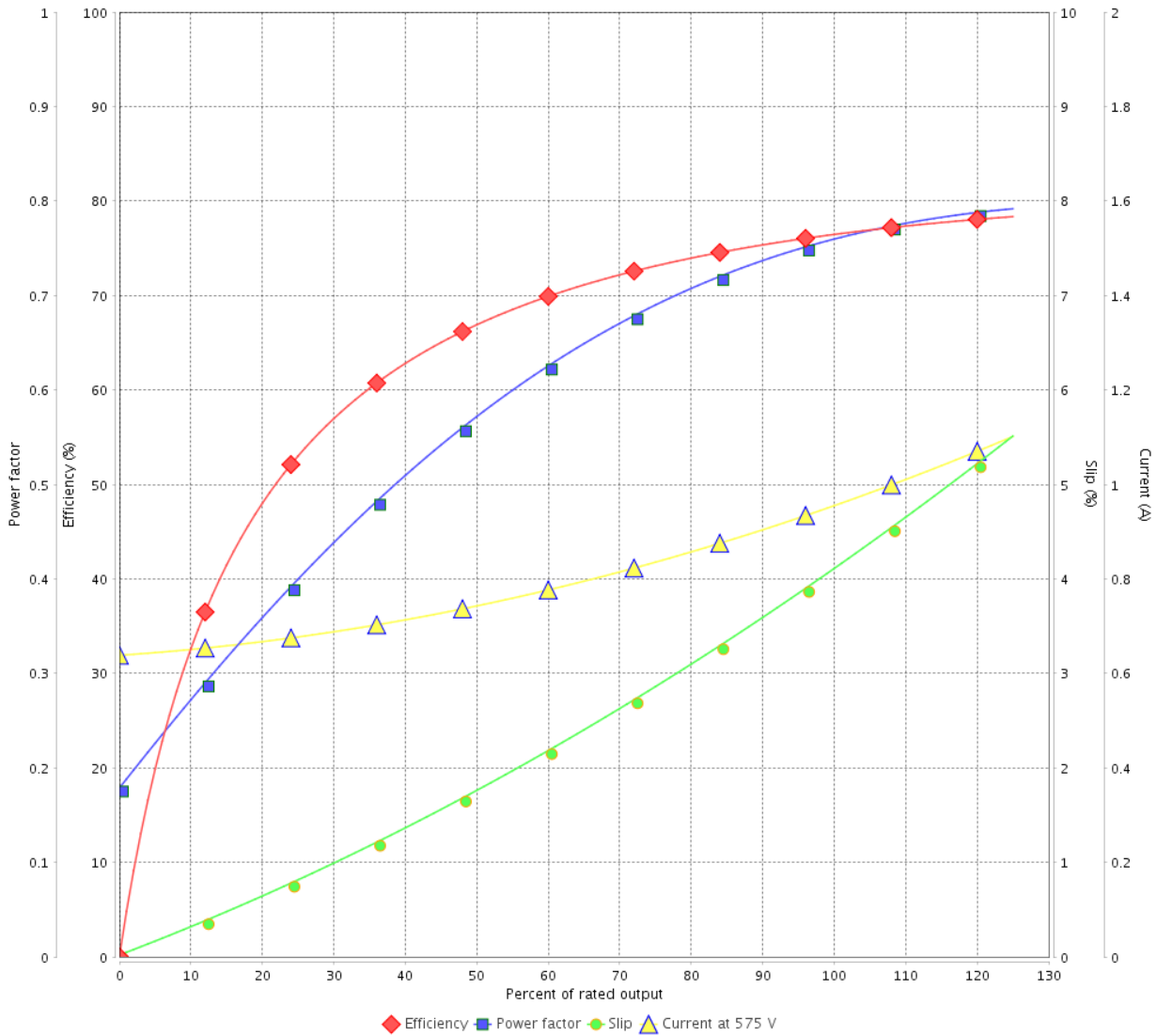


Customer :

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

Product code : 14689310

LOAD PERFORMANCE CURVE



Performance : 575 V 60 Hz 2P

Rated current : 0.944 A
LRC : 7.8
Rated torque : 0.158 kgfm
Locked rotor torque : 370 %
Breakdown torque : 400 %
Rated speed : 3450 rpm

Moment of inertia (J) : 0.0008 kgm²
Duty cycle : Cont.(S1)
Insulation class : F
Service factor : 1.50
Temperature rise : 80 K

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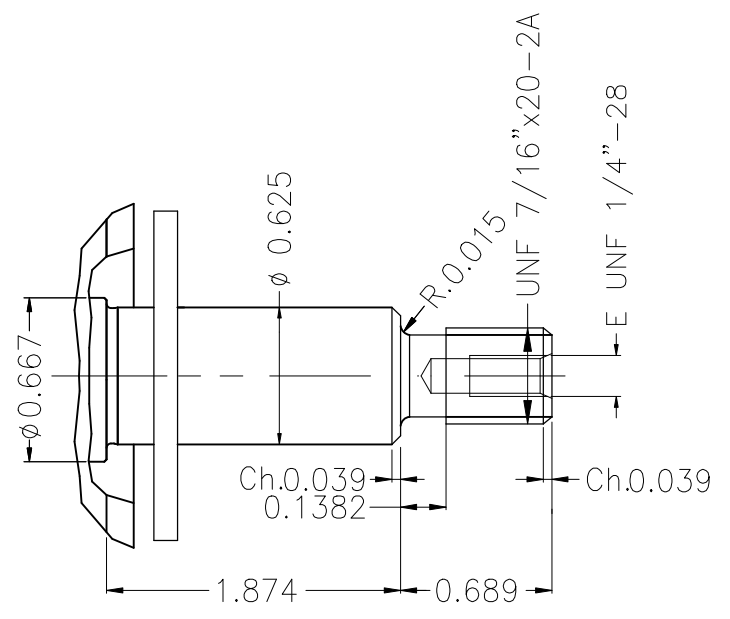
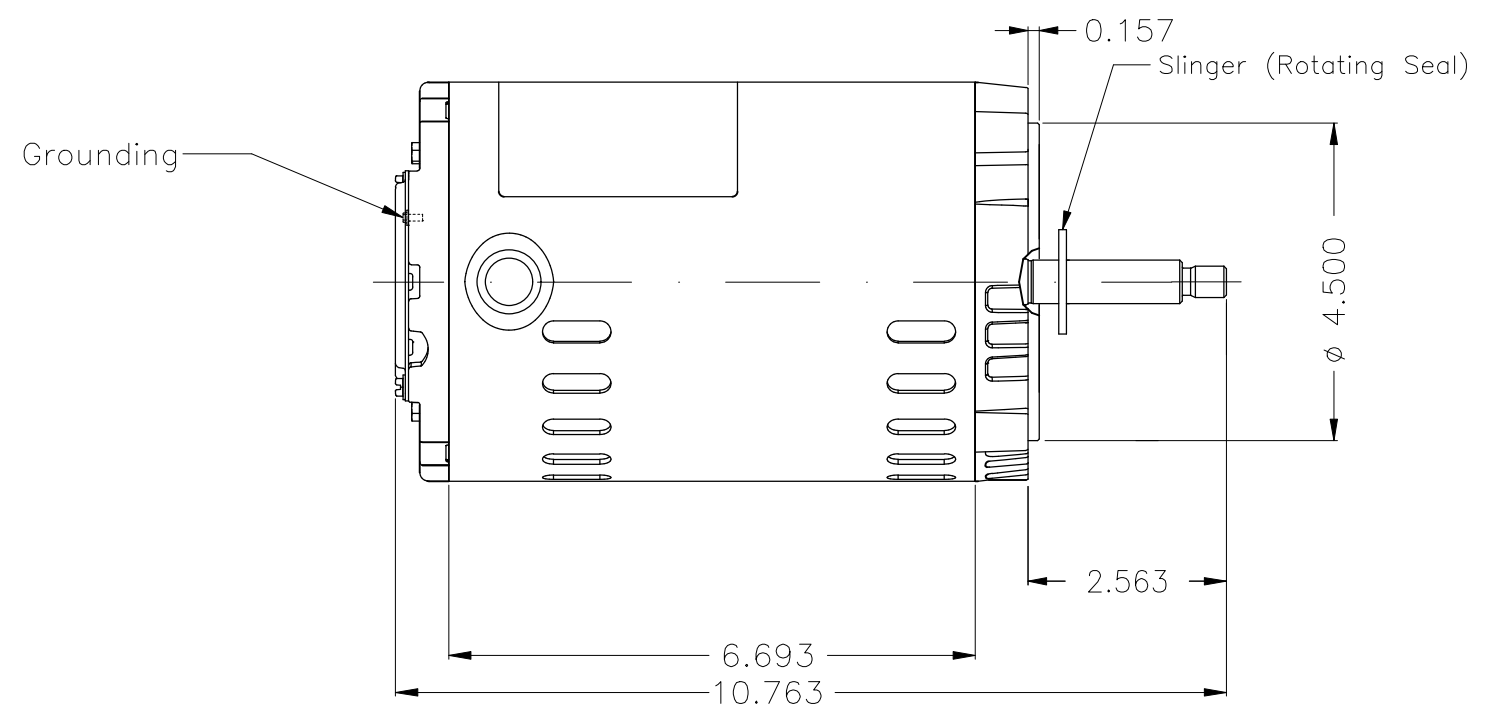
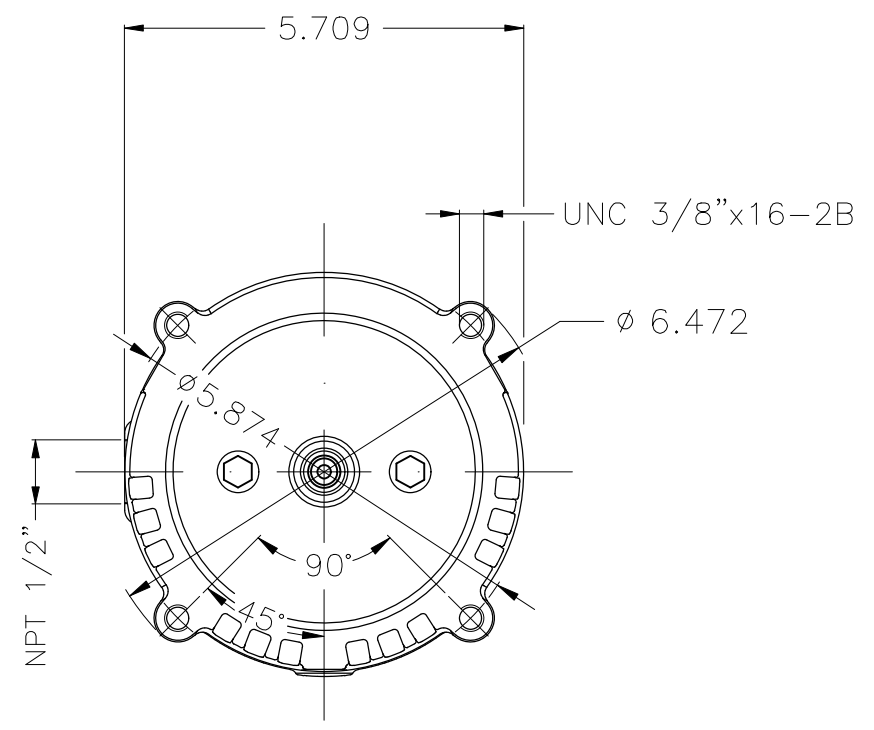
A

B

C

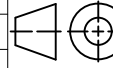

D

E



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 PREM. EFF. FRAME W56J IP21 ODP	PREVIEW WDD 00		
CHECKED			SHEET 1 / 1		
RELEASED					
REL. DATE		WMO Jaragua do Sul	Product Engineering		

0.75 HP 02 Poles 60 Hz