

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 : 6203 2RS		Drive end	Non drive end	Foundation loads Max. traction : 43 kgf Max. compression : 58 kgf	
Sealing : Without		Bearing Seal	Bearing Seal		
Lubrication interval : -					
Lubricant amount : -					
Lubricant type : Mobil Polyrex EM					
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					
Date	16/05/2022			Page 1 / 2	Revision

LOAD PERFORMANCE CURVE

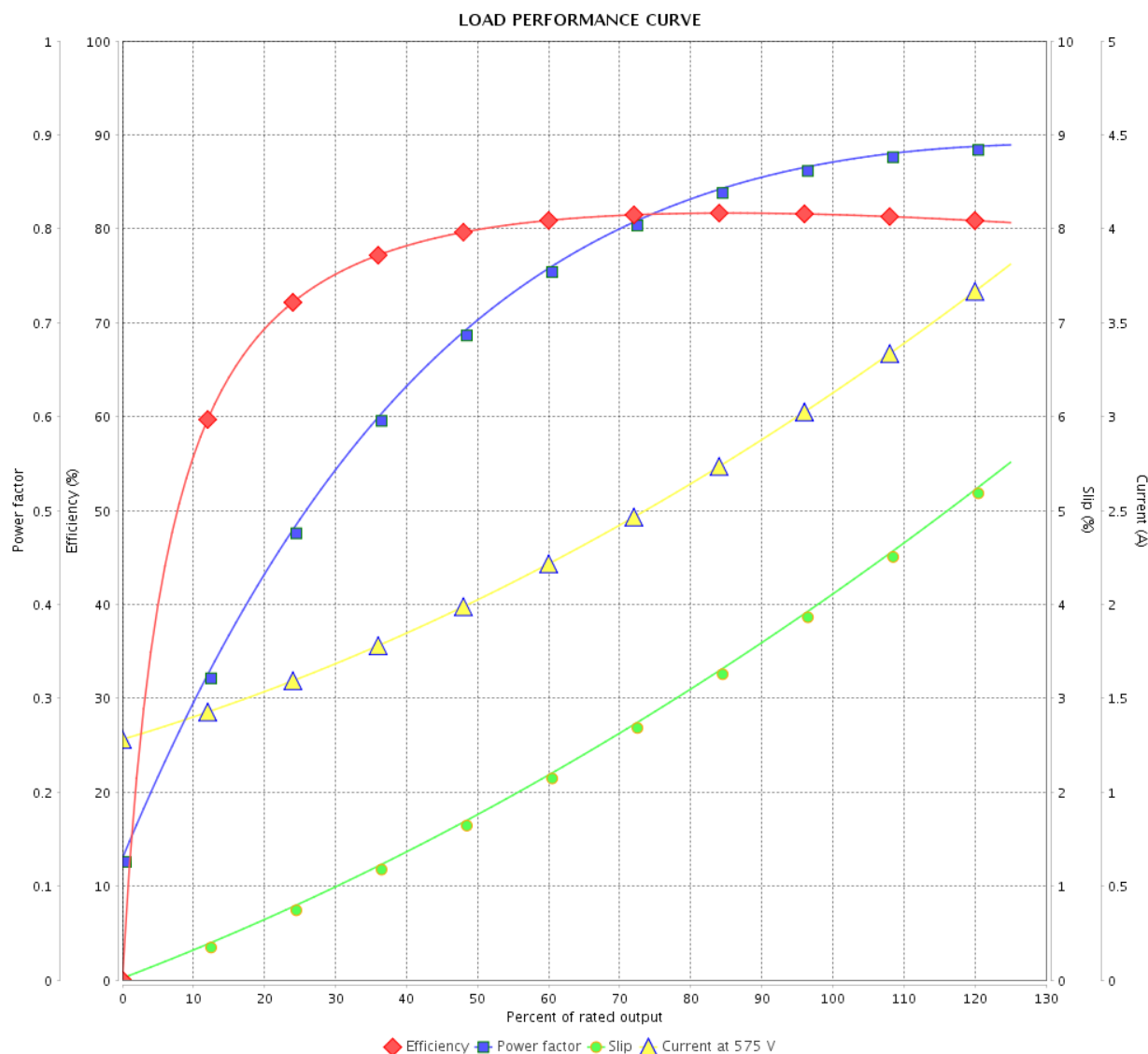
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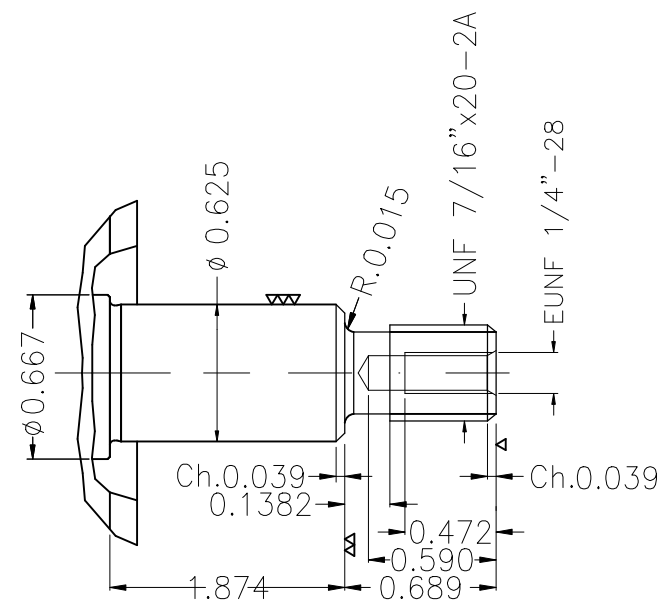
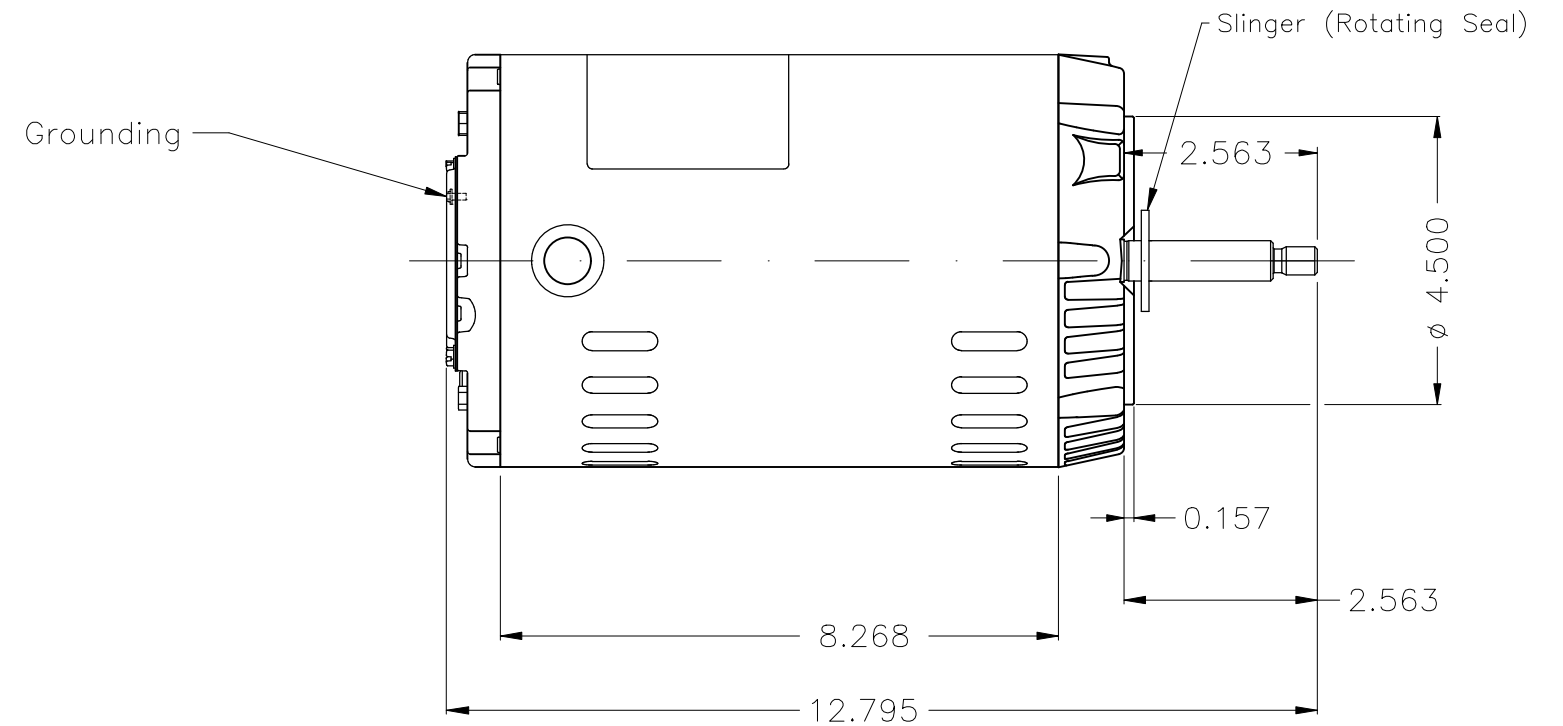
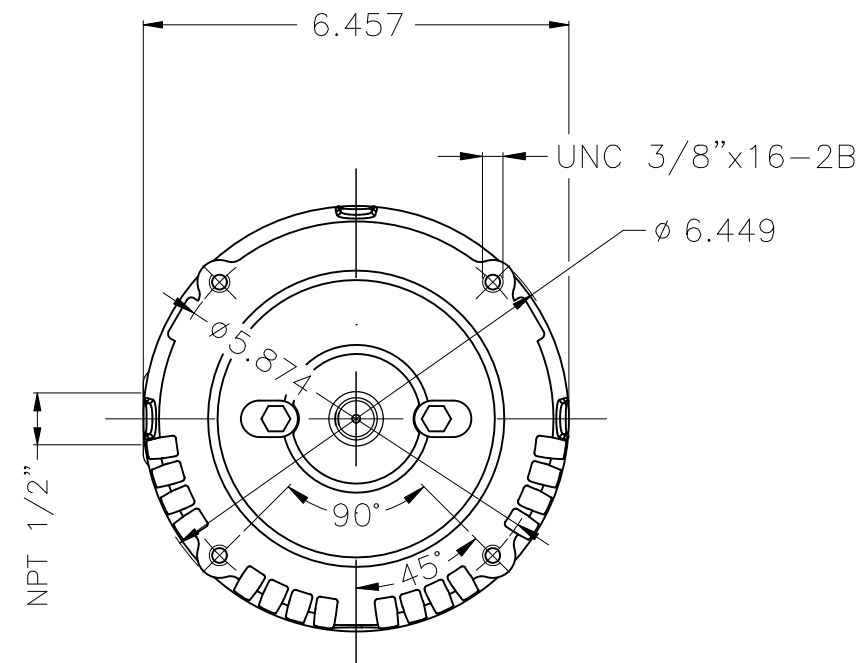


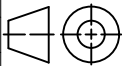
Performance : 575 V 60 Hz 2P

Rated current : 3.11 A
LRC : 7.0
Rated torque : 0.631 kgfm
Locked rotor torque : 220 %
Breakdown torque : 250 %
Rated speed : 3450 rpm

Moment of inertia (J) : 0.0040 kgm²
Duty cycle : Cont.(S1)
Insulation class : F
Service factor : 1.15
Temperature rise : 80 K
Design : A

Rev.	Changes Summary	Performed	Checked	Date
Performed by		Page 2 / 2Revision		
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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 FRAME 56J IP21 ODP			PREVIEW WDD 00			
CHECKED									
RELEASED									
REL. DATE		WMO	Jaragua do Sul	Product Engineering	SHEET	1 / 1			