

# 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 <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>	: 14.8 kg	
Design	: A	Moment of inertia (J)	: 0.0040 kgm <sup>2</sup>	
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 <sup>2</sup>	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				
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
Performed by				
Checked by				
Date	16/05/2022		Page 1 / 2	Revision

# LOAD PERFORMANCE CURVE

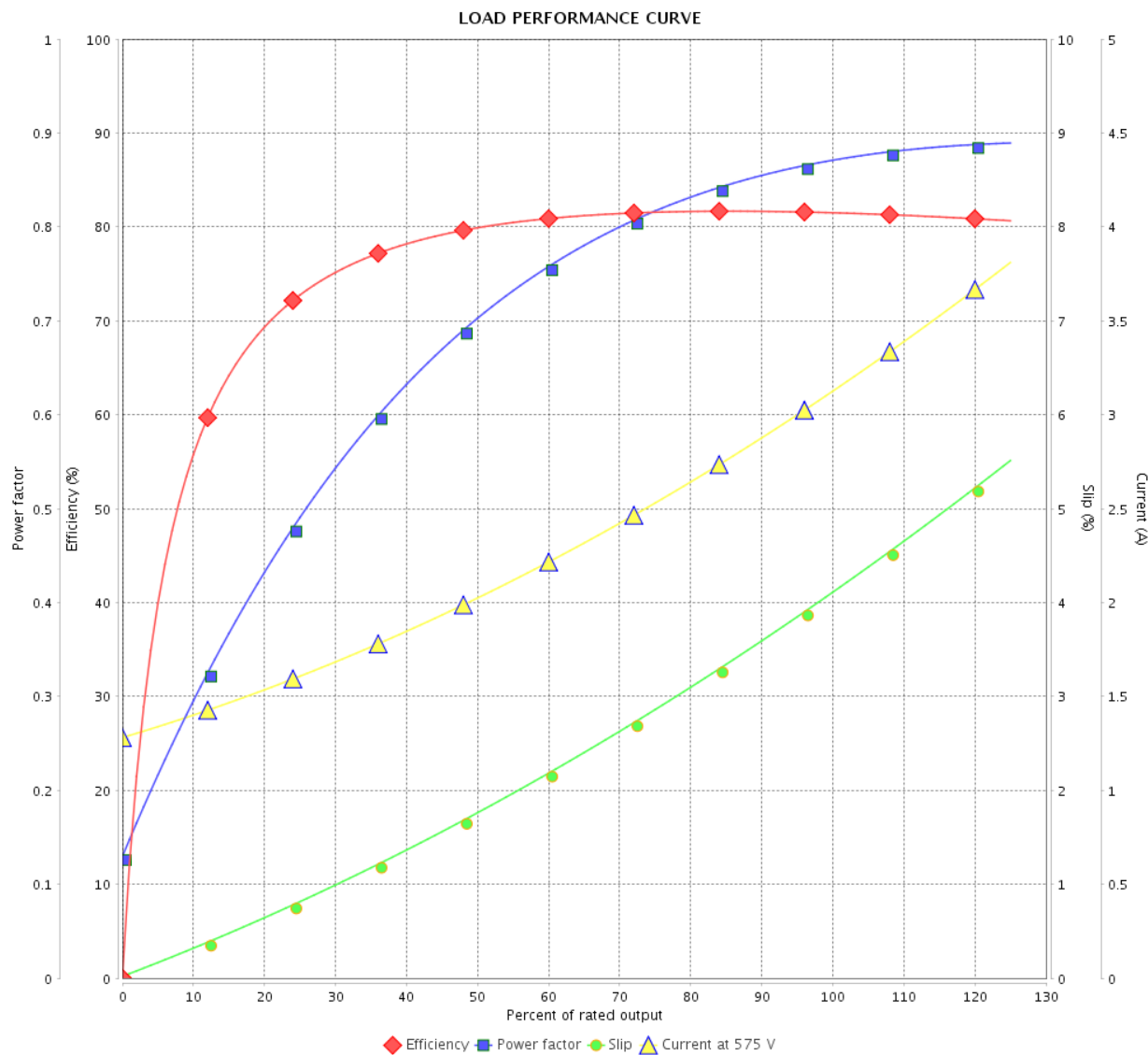
## Three Phase Induction Motor - Squirrel Cage



Customer :

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

Product code : 13905944

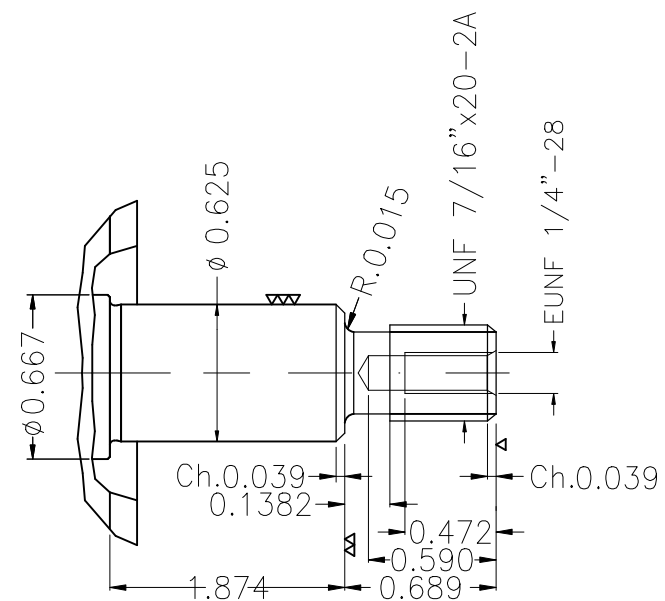
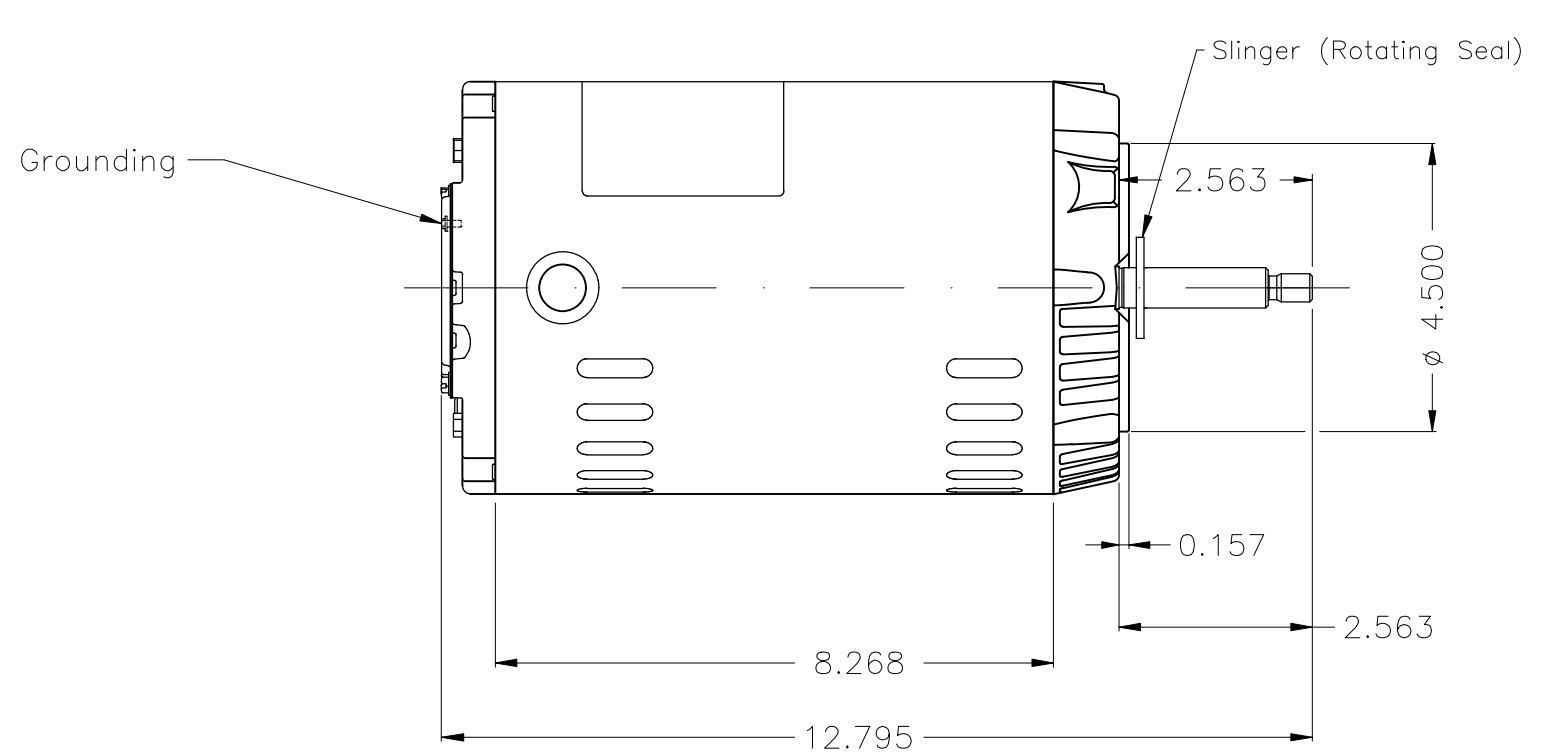


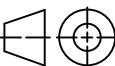

Performance : 575 V 60 Hz 2P

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 kgm<sup>2</sup>  
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 / 2 Revision		
Checked by				
Date	16/05/2022			



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				<div> <div>PREVIEW</div> <div>WDD   00</div> </div>		
CHECKED									
RELEASED									
REL. DATE		WMO	Jaragua do Sul	Product Engineering	SHEET	1 / 1			