

# DATA SHEET

## Three Phase Induction Motor - Squirrel Cage



Customer	:				
Product line	: Jet Pump - C type Three-Phase	Product code :	14813761		
Frame	: 56C	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>	: 16.5 kg		
Design	: A	Moment of inertia (J)	: 0.0049 kgm <sup>2</sup>		
Output [HP]	2				
Poles	2				
Frequency [Hz]	60				
Rated voltage [V]	575				
Rated current [A]	1.94				
L. R. Amperes [A]	17.2				
LRC [A]	8.9x(Code K)				
No load current [A]	0.734				
Rated speed [RPM]	3510				
Slip [%]	2.50				
Rated torque [kgfm]	0.414				
Locked rotor torque [%]	220				
Breakdown torque [%]	330				
Service factor	1.20				
Temperature rise	80 K				
Locked rotor time	25s (cold) 14s (hot)				
Noise level <sup>2</sup>	62.0 dB(A)				
Efficiency (%)	25%				
	50%	84.0			
	75%	85.5			
	100%	85.5			
Power Factor	25%				
	50%	0.77			
	75%	0.86			
	100%	0.91			
Bearing type	: <u>Drive end</u> 6203 2RS	<u>Non drive end</u> 6202 2RS	Foundation loads		
Sealing	: Without	Without	Max. traction	: 35 kgf	
	Bearing Seal	Bearing Seal	Max. compression	: 52 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	17/05/2022			1 / 2	

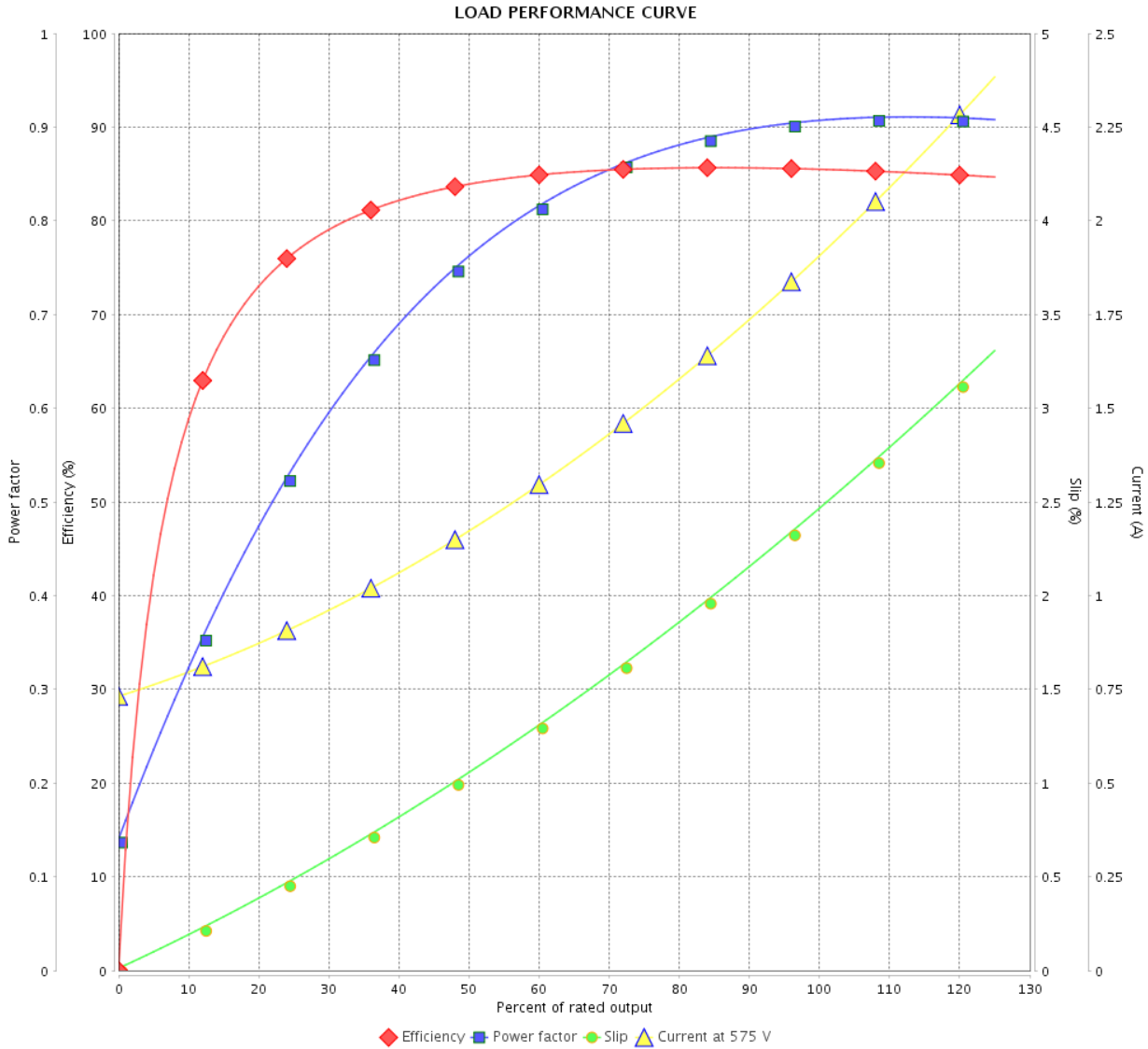
# LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : Jet Pump - C type Three-Phase Product code : 14813761



Performance : 575 V 60 Hz 2P

Rated current	: 1.94 A	Moment of inertia (J)	: 0.0049 kgm <sup>2</sup>
LRC	: 8.9	Duty cycle	: Cont.(S1)
Rated torque	: 0.414 kgfm	Insulation class	: F
Locked rotor torque	: 220 %	Service factor	: 1.20
Breakdown torque	: 330 %	Temperature rise	: 80 K
Rated speed	: 3510 rpm	Design	: A

Rev.	Changes Summary	Performed	Checked	Date
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Checked by				
Date	17/05/2022			

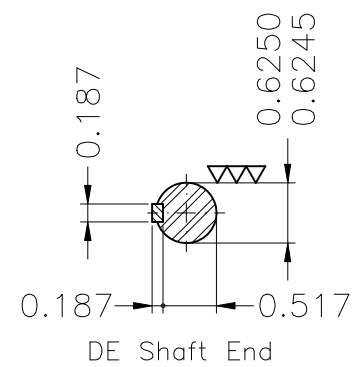
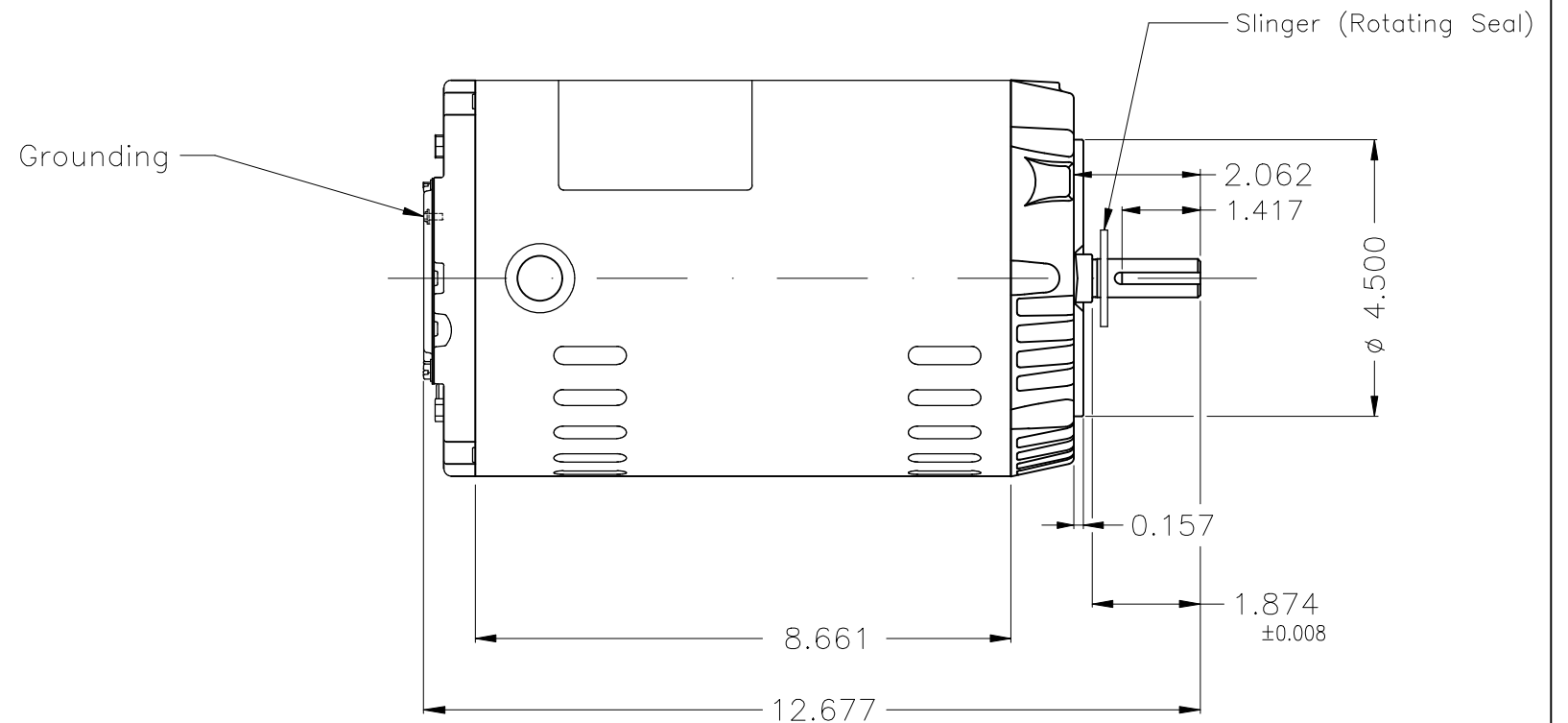
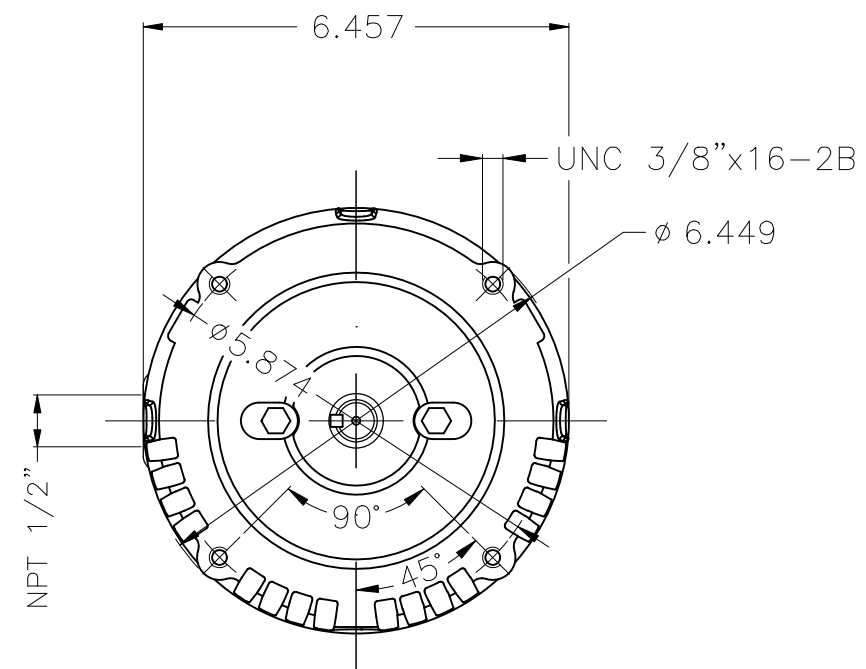
A

B

C

D

E



Dimensions in inches

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 KEYED PREM. EFF.							EXECUTED	CHECKED	RELEASED	DATE	VER
CHECKED		FRAME 56C IP21 ODP							EXECUTED	CHECKED	RELEASED	DATE	VER
RELEASED									EXECUTED	CHECKED	RELEASED	DATE	VER
REL. DATE		WMO		Jaragua do Sul		Product Engineering		SHEET		1 / 1			

2 HP 02 Poles 60 Hz

A

**PREVIEW**

WDD 00



XME A3