

# DATA SHEET

## Three Phase Induction Motor - Squirrel Cage



Customer :				
Product line		: Jet Pump - C type Three-Phase	Product code :	14123144
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>	: 19.0 kg	
Design	: A	Moment of inertia (J)	: 0.0054 kgm <sup>2</sup>	
Output [HP]	3			
Poles	2			
Frequency [Hz]	60			
Rated voltage [V]	575			
Rated current [A]	2.87			
L. R. Amperes [A]	23.0			
LRC [A]	8.0x(Code J)			
No load current [A]	1.04			
Rated speed [RPM]	3480			
Slip [%]	3.33			
Rated torque [kgfm]	0.626			
Locked rotor torque [%]	229			
Breakdown torque [%]	300			
Service factor	1.15			
Temperature rise	80 K			
Locked rotor time	16s (cold) 9s (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%	0.76		
	75%	0.86		
	100%	0.90		
Bearing type	: Drive end 6203 2RS Non drive end 6202 2RS	Foundation loads		
Sealing	: Without Bearing Seal Without Bearing Seal	Max. traction : 50 kgf		
		Max. compression : 69 kgf		
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			Page	
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# LOAD PERFORMANCE CURVE

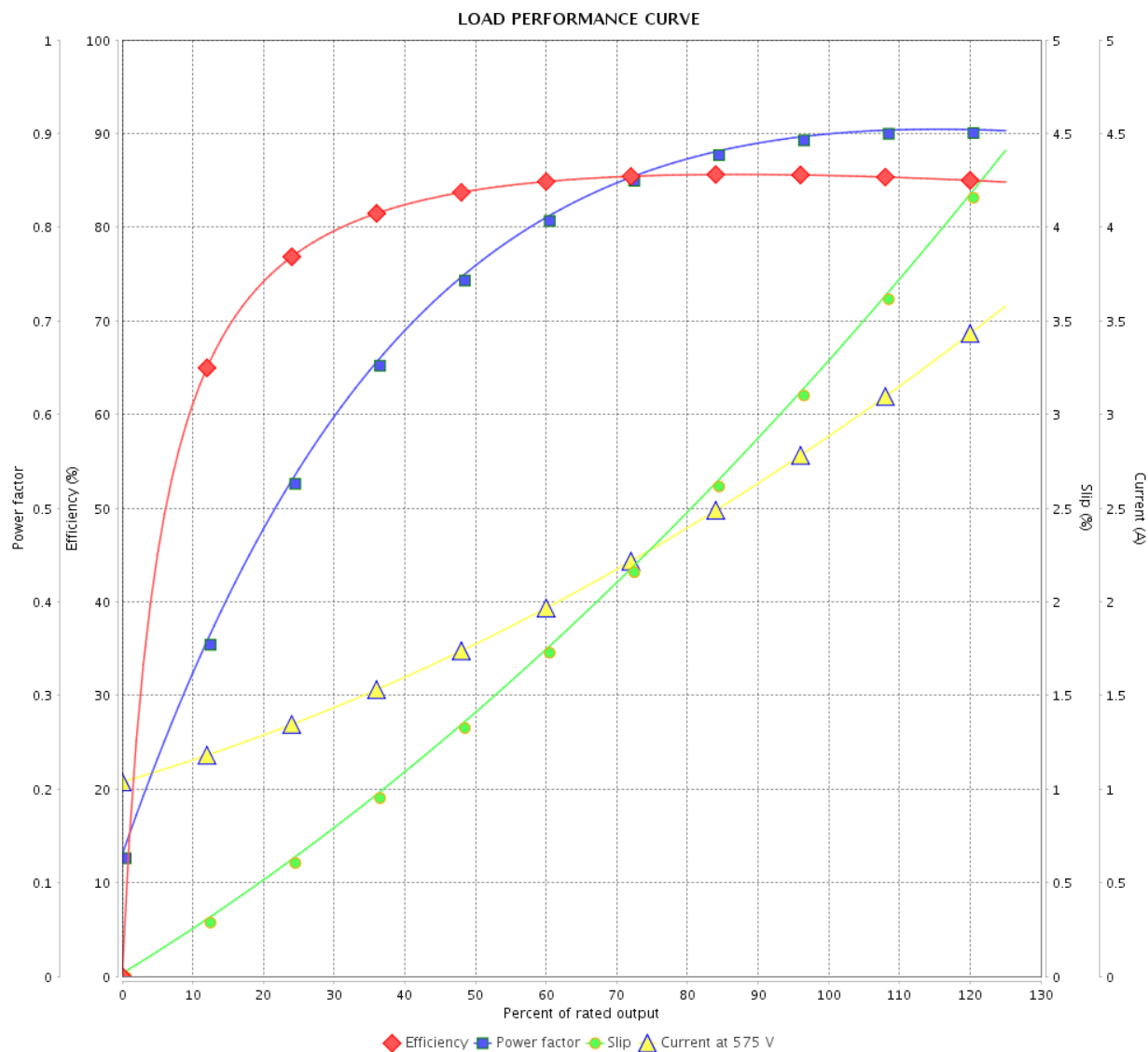
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Product code : 14123144

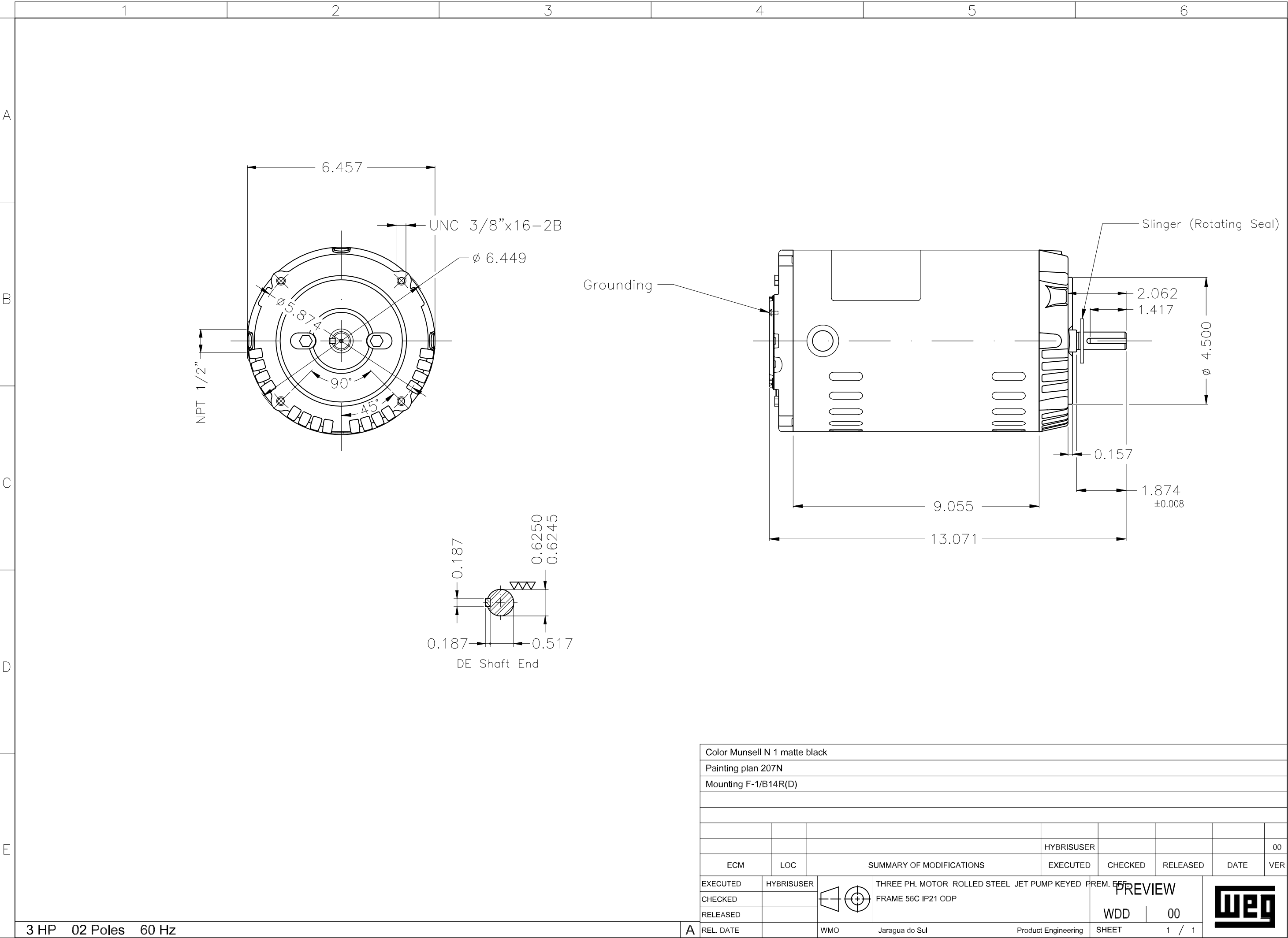


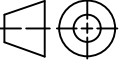

Performance : 575 V 60 Hz 2P

Rated current : 2.87 A  
 LRC : 8.0  
 Rated torque : 0.626 kgfm  
 Locked rotor torque : 229 %  
 Breakdown torque : 300 %  
 Rated speed : 3480 rpm

Moment of inertia (J) : 0.0054 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
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	11/05/2022			Revision



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.			PREVIEW			
CHECKED			FRAME 56C IP21 ODP						
RELEASED									
REL. DATE			WMO Jaragua do Sul Product Engineering			SHEET 1 / 1			