

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :				
Product line		: Jet Pump - C type Three-Phase	Product code :	13722362
Frame	: 56C	Cooling method	: IC411 - TEFC	
Insulation class	: F	Mounting	: W-6	
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	: 21.6 kg	
Protection degree	: IP55	Moment of inertia (J)	: 0.0070 kgm ²	
Design	: B			
Output [HP]	3			
Poles	2			
Frequency [Hz]	60			
Rated voltage [V]	575			
Rated current [A]	2.81			
L. R. Amperes [A]	26.7			
LRC [A]	9.5x(Code L)			
No load current [A]	1.02			
Rated speed [RPM]	3500			
Slip [%]	2.78			
Rated torque [kgfm]	0.621			
Locked rotor torque [%]	300			
Breakdown torque [%]	380			
Service factor	1.15			
Temperature rise	80 K			
Locked rotor time	18s (cold) 10s (hot)			
Noise level ²	68.0 dB(A)			
Efficiency (%)	25%			
	50%	84.0		
	75%	86.5		
	100%	86.5		
Power Factor	25%			
	50%	0.78		
	75%	0.87		
	100%	0.91		
Bearing type	: Drive end 6203 2RS Non drive end 6202 2RS	Foundation loads		
Sealing	: V'Ring V'Ring	Max. traction	: 65 kgf	
Lubrication interval	: - -	Max. compression	: 87 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			Page 1 / 2	Revision
Checked by				
Date	17/05/2022			

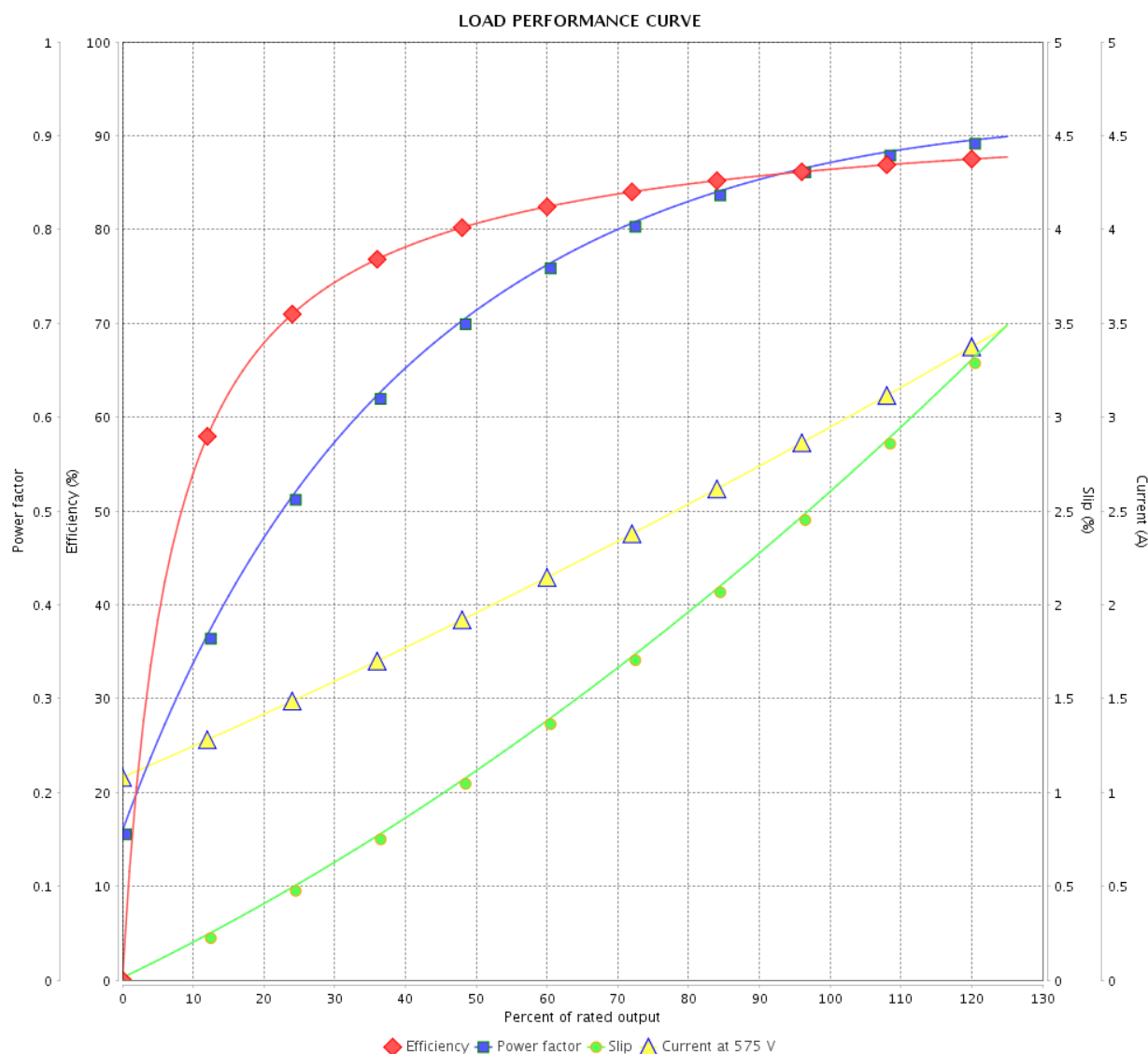
LOAD PERFORMANCE CURVE

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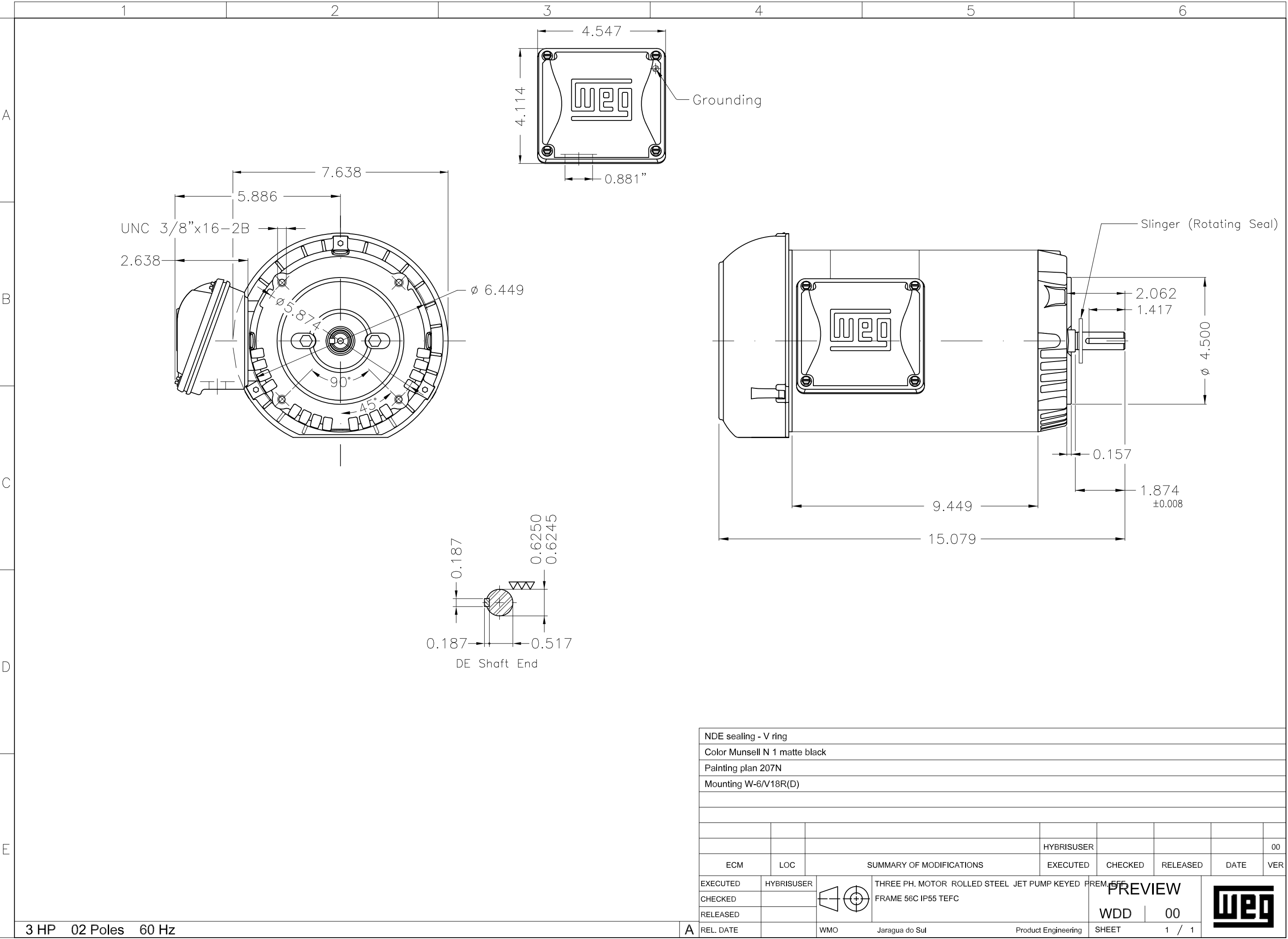


Performance : 575 V 60 Hz 2P

Rated current : 2.81 A
 LRC : 9.5
 Rated torque : 0.621 kgfm
 Locked rotor torque : 300 %
 Breakdown torque : 380 %
 Rated speed : 3500 rpm

Moment of inertia (J) : 0.0070 kgm²
 Duty cycle : Cont.(S1)
 Insulation class : F
 Service factor : 1.15
 Temperature rise : 80 K
 Design : B

Rev.	Changes Summary		Performed	Checked	Date
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NDE sealing - V ring									
Color Munsell N 1 matte black									
Painting plan 207N									
Mounting W-6/V18R(D)									