

# DATA SHEET

## Three Phase Induction Motor - Squirrel Cage



Customer :				
Product line	: Jet Pump - J type Three-Phase			
Product code :	13721664			
Frame	: W56J			
Insulation class	: F			
Duty cycle	: Cont.(S1)			
Ambient temperature	: -20°C to +40°C			
Altitude	: 1000 m.a.s.l.			
Protection degree	: IP55			
Cooling method	: IC411 - TEFC			
Mounting	: W-6			
Rotation <sup>1</sup>	: CCW			
Starting method	: Direct On Line			
Approx. weight <sup>3</sup>	: 6.8 kg			
Moment of inertia (J)	: 0.0006 kgm <sup>2</sup>			
Output [HP]	0.33			
Poles	2			
Frequency [Hz]	60			
Rated voltage [V]	575			
Rated current [A]	0.458			
L. R. Amperes [A]	3.25			
LRC [A]	7.1x(Code L)			
No load current [A]	0.283			
Rated speed [RPM]	3450			
Slip [%]	4.17			
Rated torque [kgfm]	0.069			
Locked rotor torque [%]	320			
Breakdown torque [%]	370			
Service factor	1.15			
Temperature rise	80 K			
Locked rotor time	50s (cold) 28s (hot)			
Noise level <sup>2</sup>	65.0 dB(A)			
Efficiency (%)	25%			
	50%	59.5		
	75%	66.0		
	100%	72.0		
Power Factor	25%			
	50%	0.61		
	75%	0.71		
	100%	0.76		
Bearing type	: <u>Drive end</u> 6203 2RS <u>Non drive end</u> 6202 2RS			
Sealing	: V'Ring V'Ring			
Lubrication interval	: - -			
Lubricant amount	: - -			
Lubricant type	: Mobil Polyrex EM			
Foundation loads	Max. traction : 4 kgf Max. compression : 11 kgf			
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			Page	Revision
Date	16/05/2022		1 / 2	

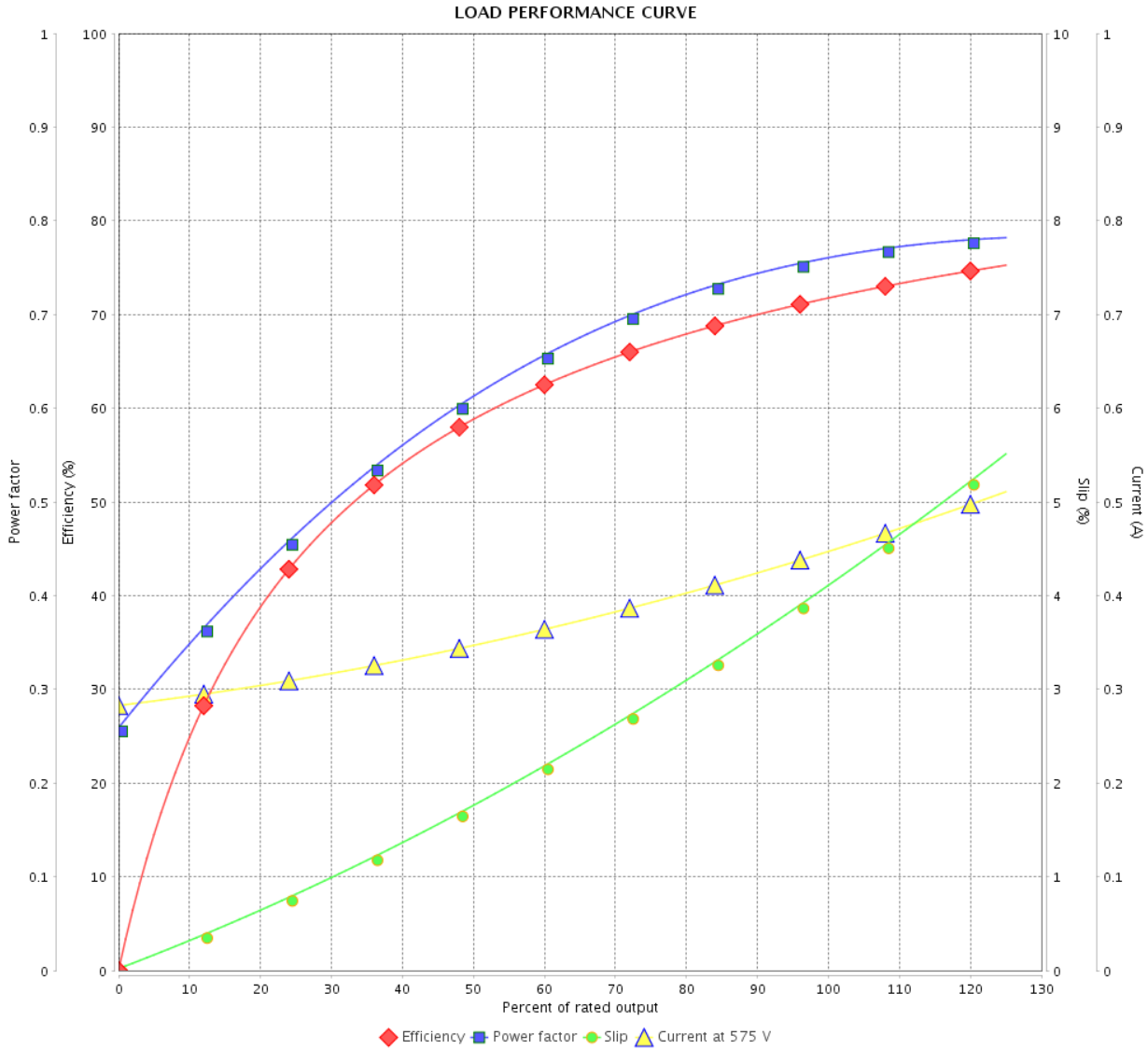
# LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : Jet Pump - J type Three-Phase      Product code : 13721664

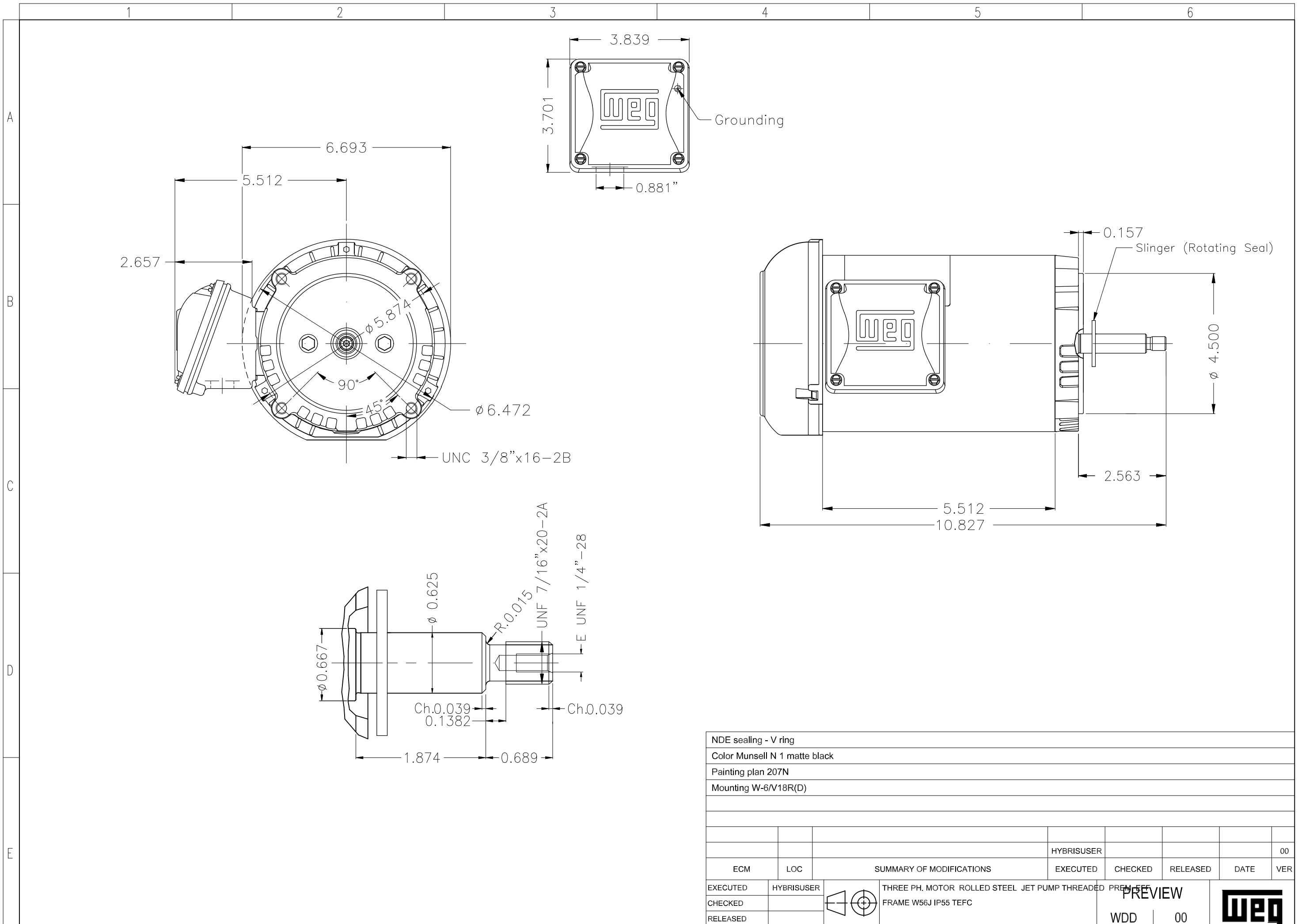


Performance : 575 V 60 Hz 2P

Rated current : 0.458 A  
 LRC : 7.1  
 Rated torque : 0.069 kgfm  
 Locked rotor torque : 320 %  
 Breakdown torque : 370 %  
 Rated speed : 3450 rpm

Moment of inertia (J) : 0.0006 kgm<sup>2</sup>  
 Duty cycle : Cont.(S1)  
 Insulation class : F  
 Service factor : 1.15  
 Temperature rise : 80 K

Rev.	Changes Summary	Performed	Checked	Date
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Date	16/05/2022			




NDE sealing - V ring  
 Color Munsell N 1 matte black  
 Painting plan 207N  
 Mounting W-6/V18R(D)

ECM	LOC	SUMMARY OF MODIFICATIONS	EXECUTED	CHECKED	RELEASED	DATE	VER
EXECUTED	HYBRISUSER	THREE PH. MOTOR ROLLED STEEL JET PUMP THREADED FRAME W56J IP55 TEFC					
CHECKED							
RELEASED							
REL. DATE	WMO	Jaragua do Sul	Product Engineering	SHEET	1 / 1		

PREVIEW

WDD 00



Dimensions in inches XME A3