

# DATA SHEET

## Three Phase Induction Motor - Squirrel Cage



Customer :				
Product line : Three-Phase		Product code : 13737453		
Frame : 56	Insulation class : F	Cooling method : IC01 - ODP	Mounting : F-1	
Duty cycle : Cont.(S1)	Ambient temperature : -20°C to +40°C	Rotation <sup>1</sup> : Both (CW and CCW)	Starting method : Direct On Line	
Altitude : 1000 m.a.s.l.	Design : A	Approx. weight <sup>3</sup> : 12.2 kg	Moment of inertia (J) : 0.0036 kgm <sup>2</sup>	
Output [HP]	1			
Poles	4			
Frequency [Hz]	60			
Rated voltage [V]	575			
Rated current [A]	1.26			
L. R. Amperes [A]	9.55			
LRC [A]	7.6x(Code L)			
No load current [A]	0.880			
Rated speed [RPM]	1760			
Slip [%]	2.22			
Rated torque [kgfm]	0.412			
Locked rotor torque [%]	280			
Breakdown torque [%]	320			
Service factor	1.15			
Temperature rise	80 K			
Locked rotor time	30s (cold) 17s (hot)			
Noise level <sup>2</sup>	52.0 dB(A)			
Efficiency (%)	25%			
	50%	78.5		
	75%	82.5		
	100%	83.5		
Power Factor	25%			
	50%	0.49		
	75%	0.63		
	100%	0.72		
Bearing type : 6204 ZZ	Drive end	Non drive end	Foundation loads	
Sealing : Without			Max. traction : 36 kgf	
	Bearing Seal	Bearing Seal	Max. compression : 48 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	Revision
Checked by			1 / 2	
Date	17/05/2022			

# LOAD PERFORMANCE CURVE

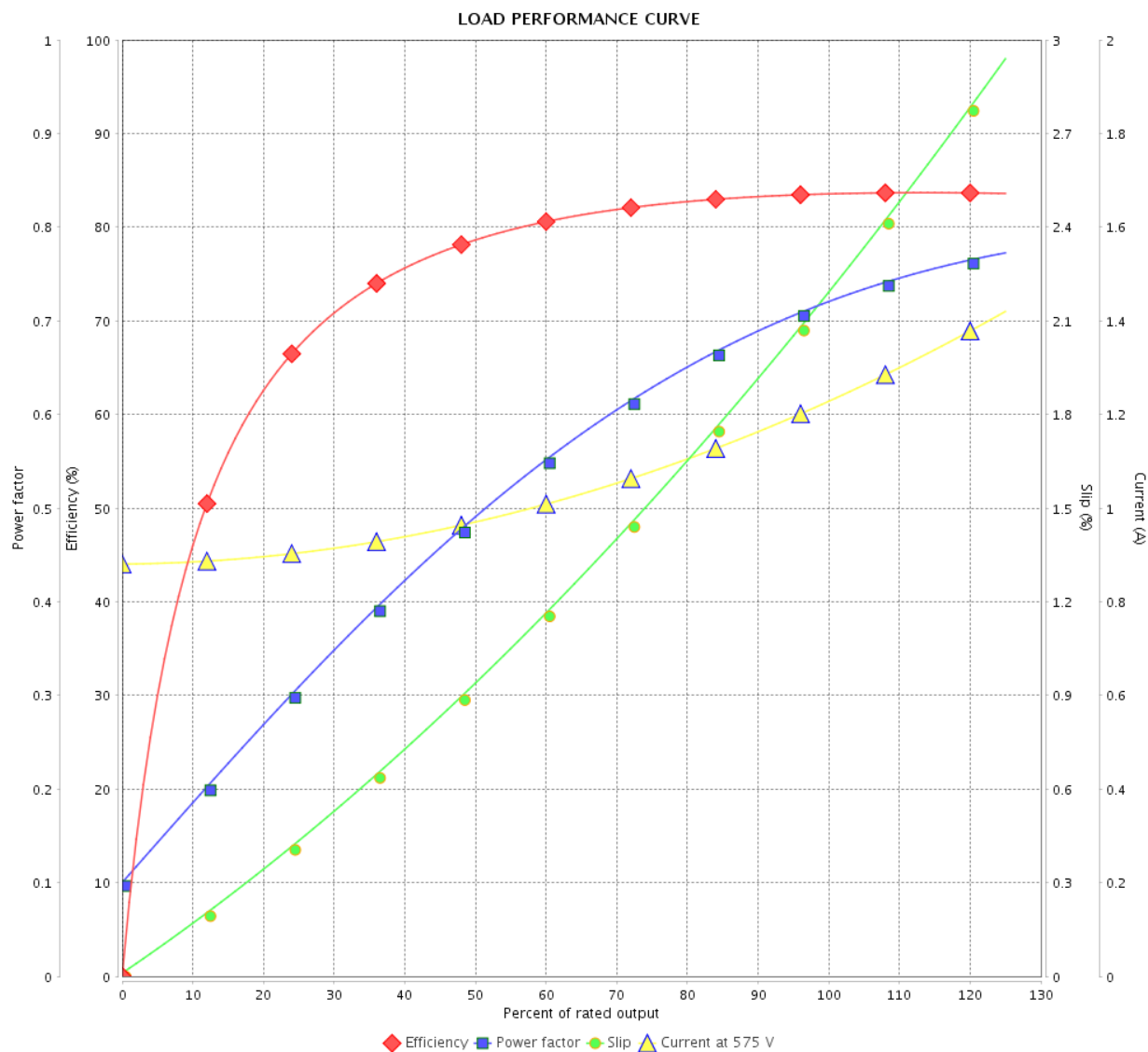
Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : Three-Phase

Product code : 13737453

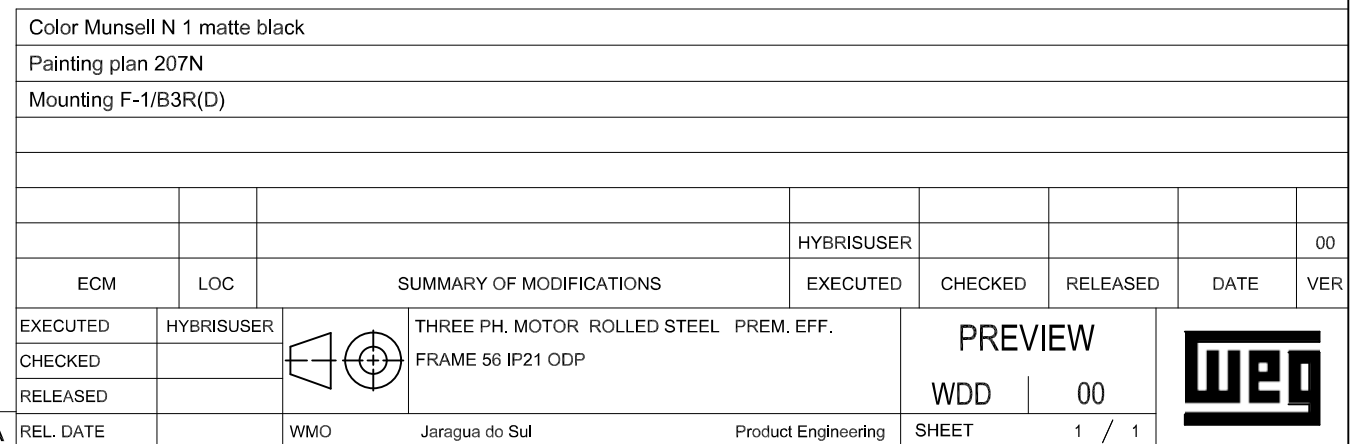
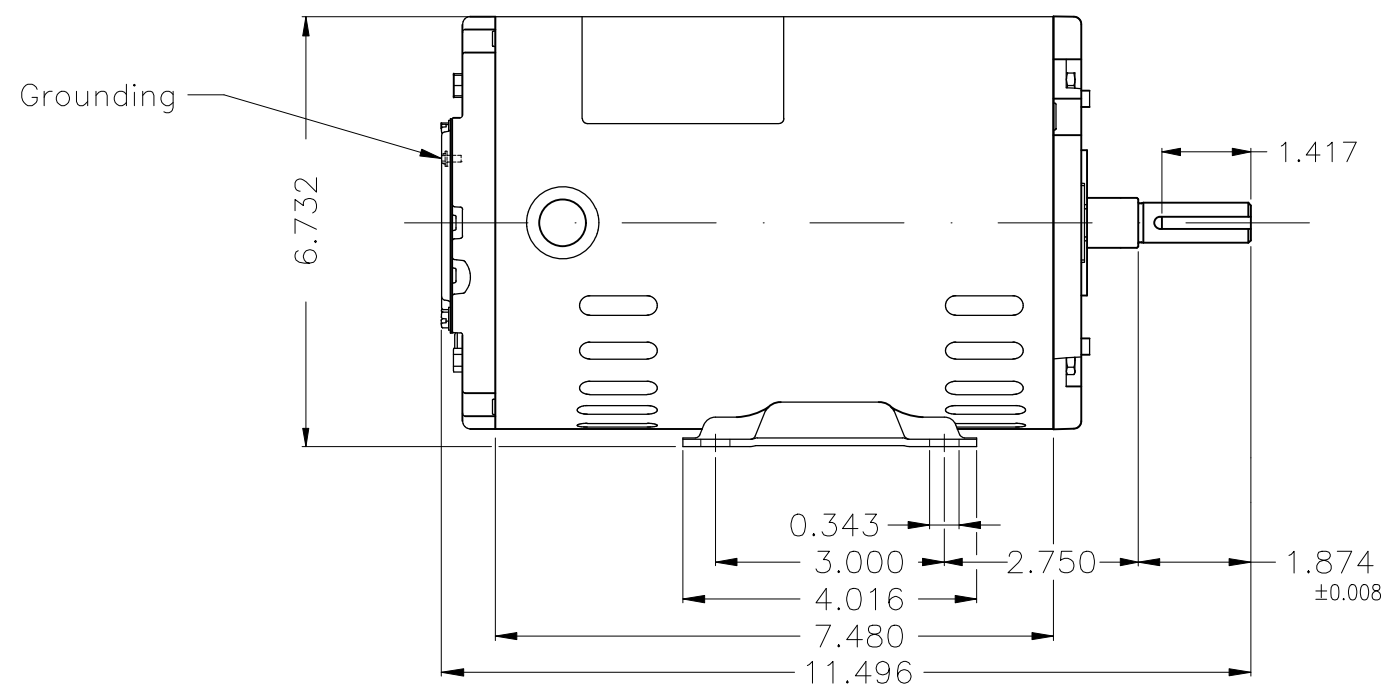


Performance : 575 V 60 Hz 4P

Rated current : 1.26 A  
 LRC : 7.6  
 Rated torque : 0.412 kgfm  
 Locked rotor torque : 280 %  
 Breakdown torque : 320 %  
 Rated speed : 1760 rpm

Moment of inertia (J) : 0.0036 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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Date					
	17/05/2022				



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