

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :				
Product line		: NEMA Premium Efficiency Three-Phase	Product code : 12682571	
Frame		: 143/5T	Cooling method : IC01 - ODP	
Insulation class		: F	Mounting : F-1	
Duty cycle		: Cont.(S1)	Rotation ¹ : Both (CW and CCW)	
Ambient temperature		: -20°C to +40°C	Starting method : Direct On Line	
Altitude		: 1000 m.a.s.l.	Approx. weight ³ : 13.5 kg	
Design		: B	Moment of inertia (J) : 0.0035 kgm ²	
Output [HP]		1.5		
Poles		2		
Frequency [Hz]		60		
Rated voltage [V]		575		
Rated current [A]		1.48		
L. R. Amperes [A]		12.7		
LRC [A]		8.6x(Code K)		
No load current [A]		0.647		
Rated speed [RPM]		3510		
Slip [%]		2.50		
Rated torque [kgfm]		0.310		
Locked rotor torque [%]		210		
Breakdown torque [%]		330		
Service factor		1.15		
Temperature rise		80 K		
Locked rotor time		34s (cold) 19s (hot)		
Noise level ²		62.0 dB(A)		
Efficiency (%)	25%	81.1		
	50%	81.5		
	75%	84.0		
	100%	84.0		
Power Factor	25%	0.45		
	50%	0.73		
	75%	0.83		
	100%	0.89		
Bearing type		: Drive end 6205 ZZ Non drive end 6203 ZZ	Foundation loads	
Sealing		: Without Without Bearing Seal Bearing Seal	Max. traction : 22 kgf	
Lubrication interval		: - -	Max. compression : 36 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				
Checked by				
Date	13/05/2022		Page 1 / 2	Revision

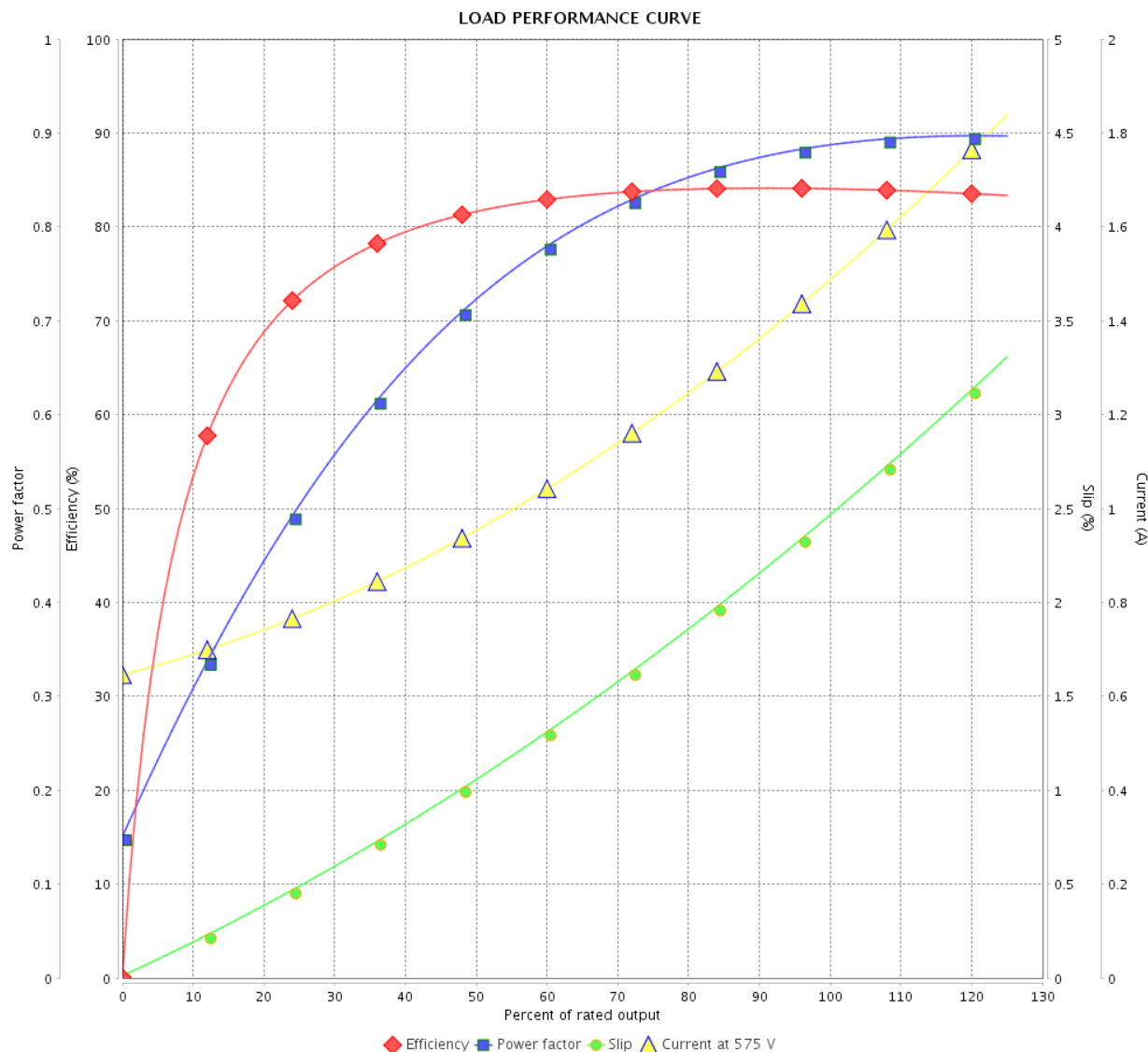
LOAD PERFORMANCE CURVE

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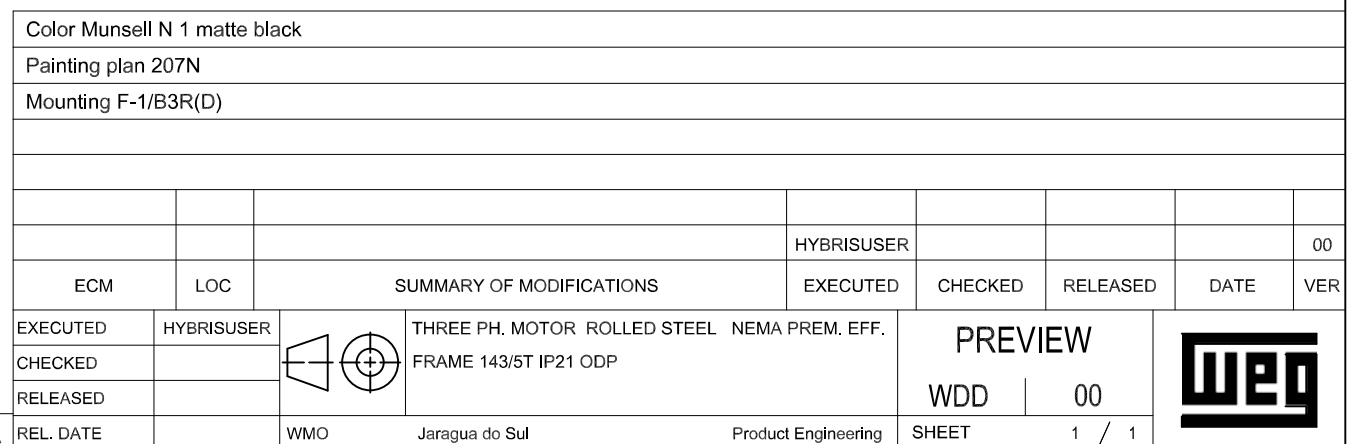
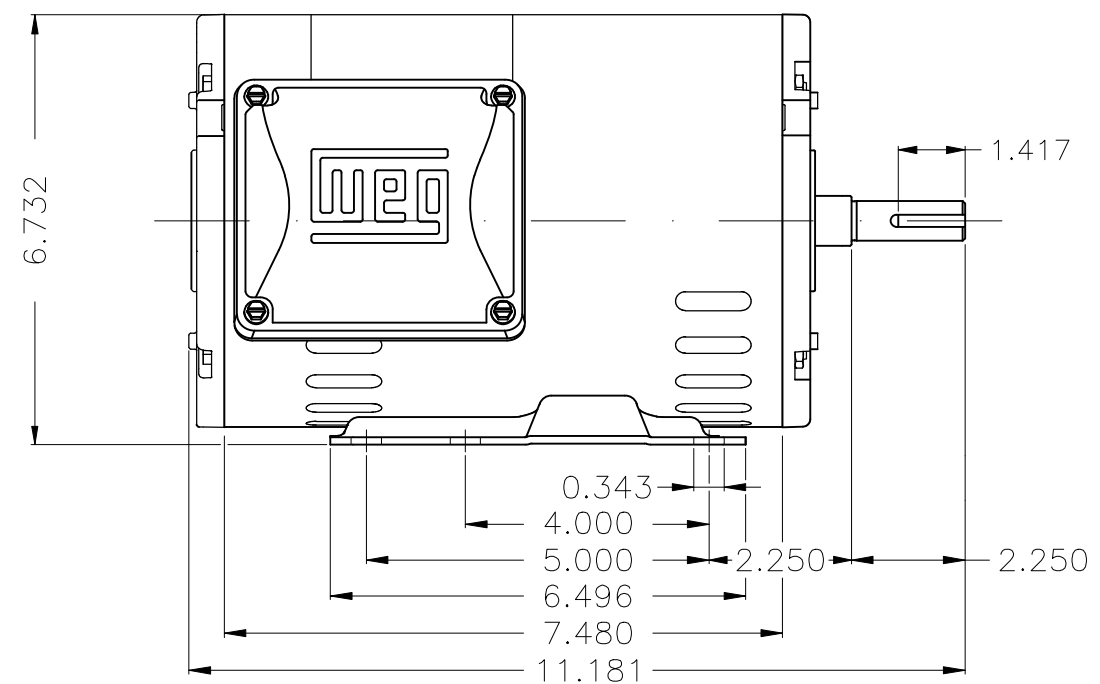


Performance : 575 V 60 Hz 2P

Rated current : 1.48 A
 LRC : 8.6
 Rated torque : 0.310 kgfm
 Locked rotor torque : 210 %
 Breakdown torque : 330 %
 Rated speed : 3510 rpm

Moment of inertia (J) : 0.0035 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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