

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :				
Product line		: NEMA Premium Efficiency Three-Phase	Product code : 12682579	
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 : 18.3 kg		
Design : B		Moment of inertia (J) : 0.0054 kgm ²		
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 ²		62.0 dB(A)		
Efficiency (%)	25%	83.7		
	50%	84.0		
	75%	85.5		
	100%	85.5		
Power Factor	25%	0.50		
	50%	0.76		
	75%	0.86		
	100%	0.90		
Bearing type : 6205 ZZ		Drive end	Non drive end	Foundation loads
Sealing : Without				Max. traction : 44 kgf
		Bearing Seal	Bearing Seal	Max. compression : 62 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
Performed by			Page 1 / 2	Revision
Checked by				
Date	13/05/2022			

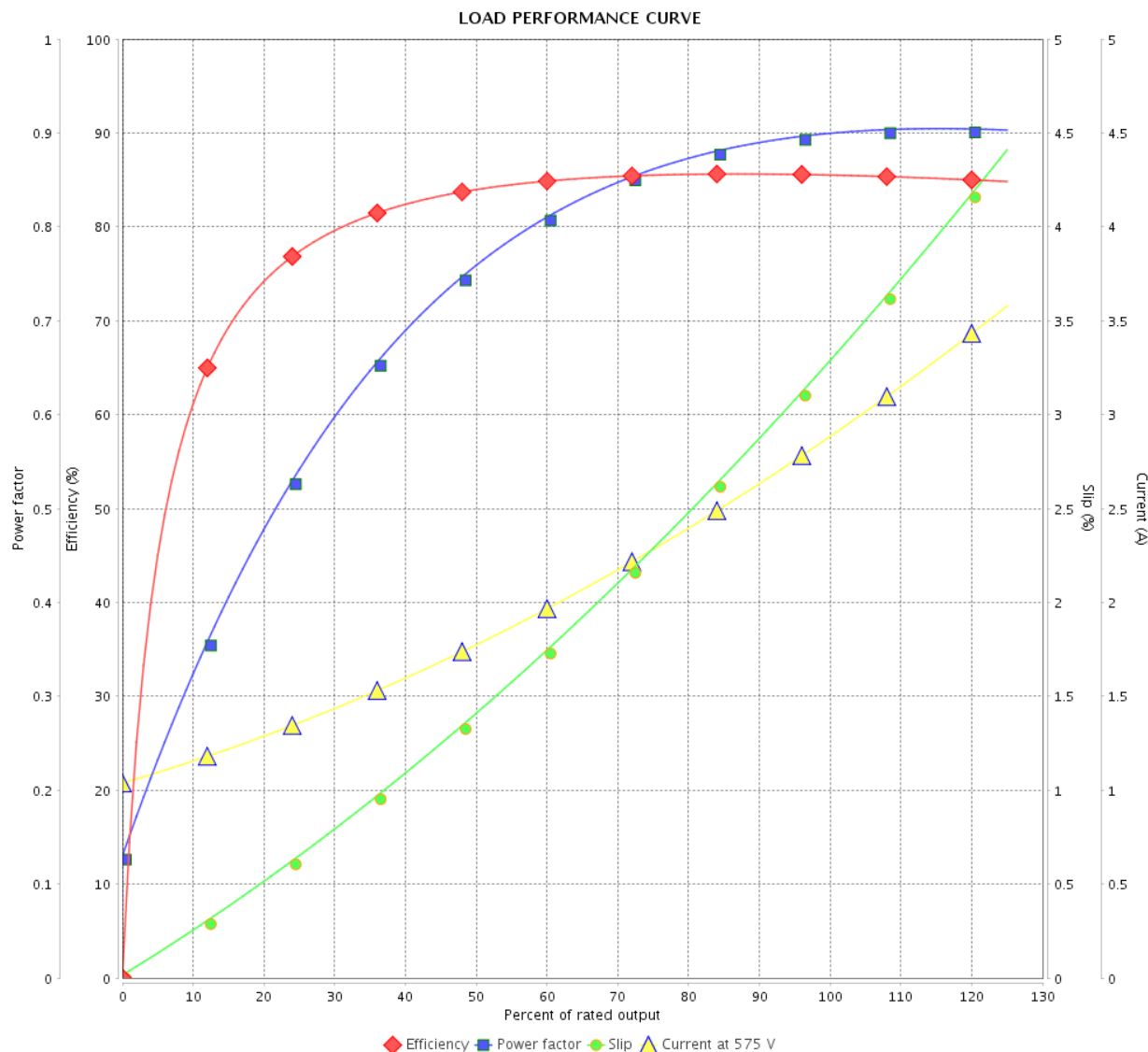
LOAD PERFORMANCE CURVE

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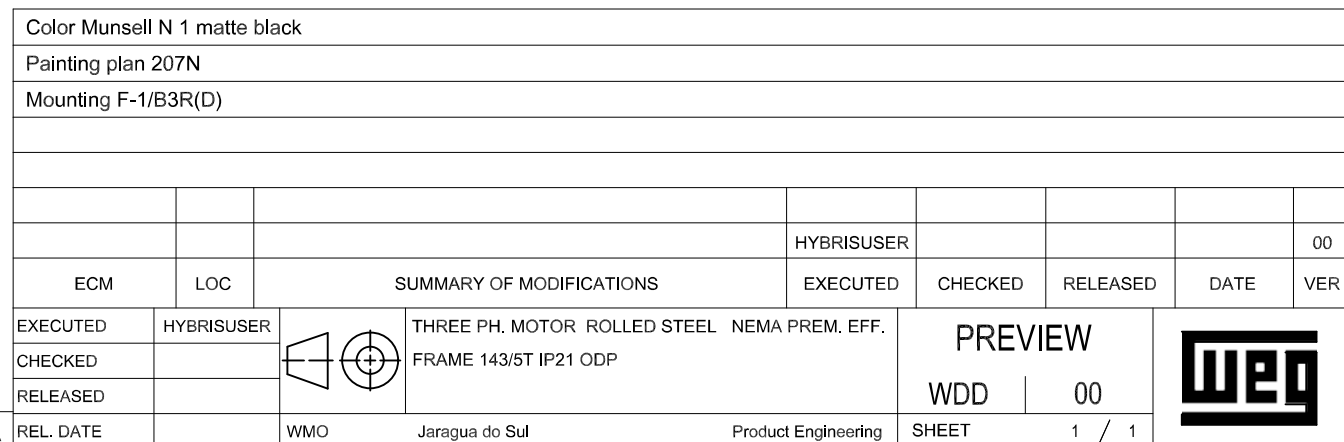
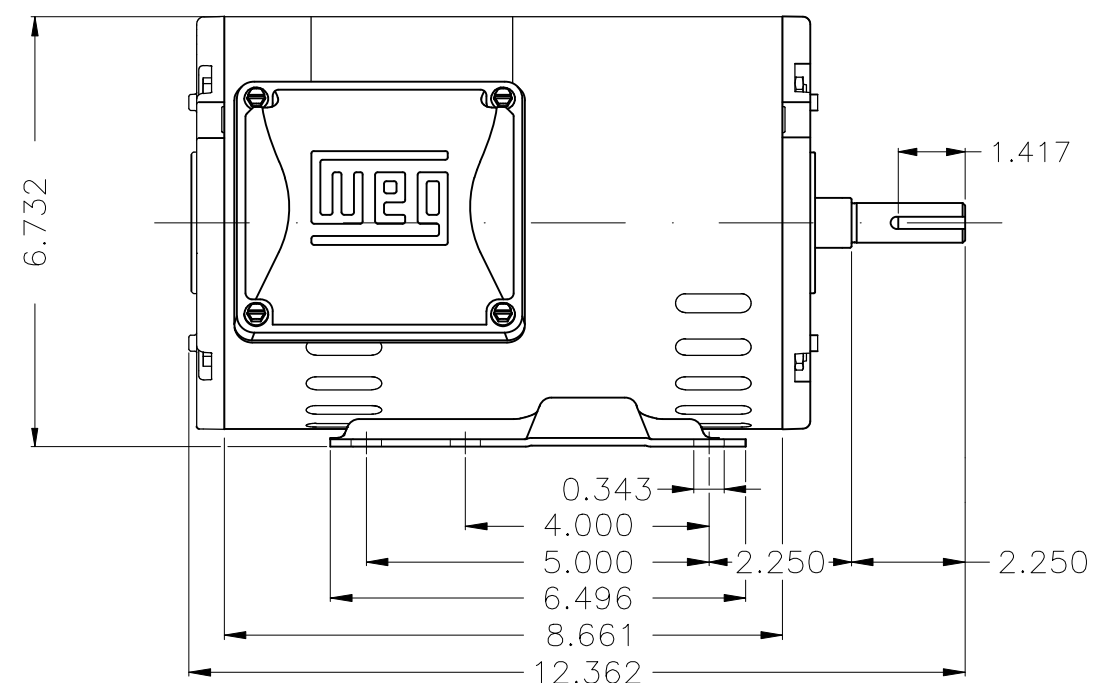


Performance : 575 V 60 Hz 2P

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 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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