

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 : 6205 ZZ		Drive end	Non drive end	Foundation loads
Sealing : Without				Max. traction : 22 kgf
Lubrication interval : -		Bearing Seal	Bearing Seal	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

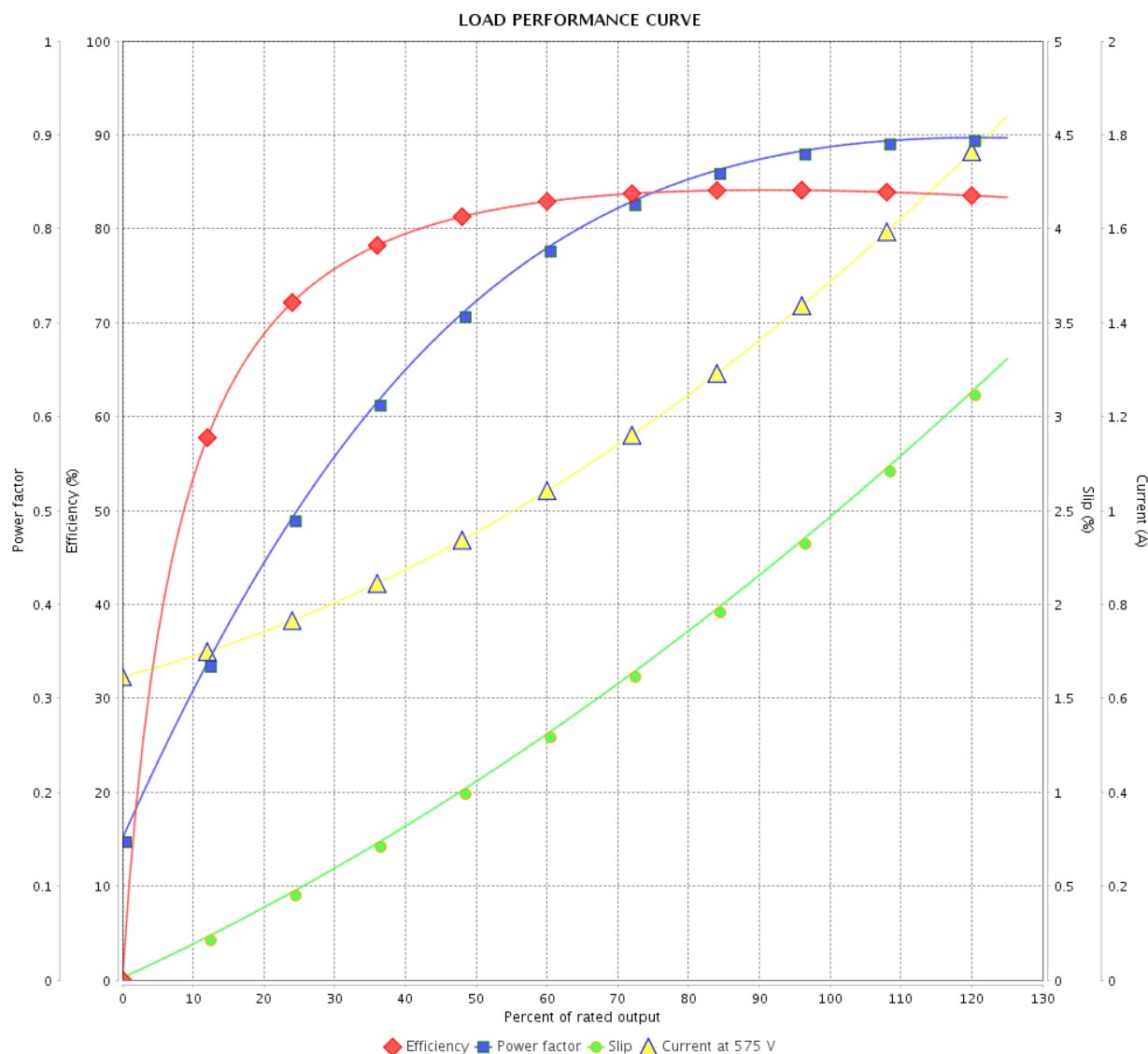
LOAD PERFORMANCE CURVE

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Customer :

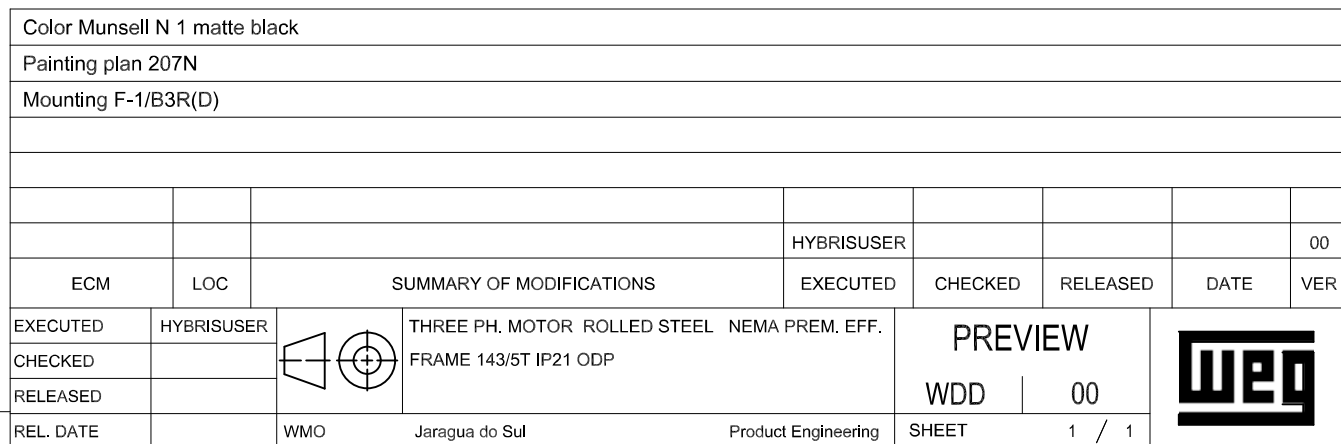
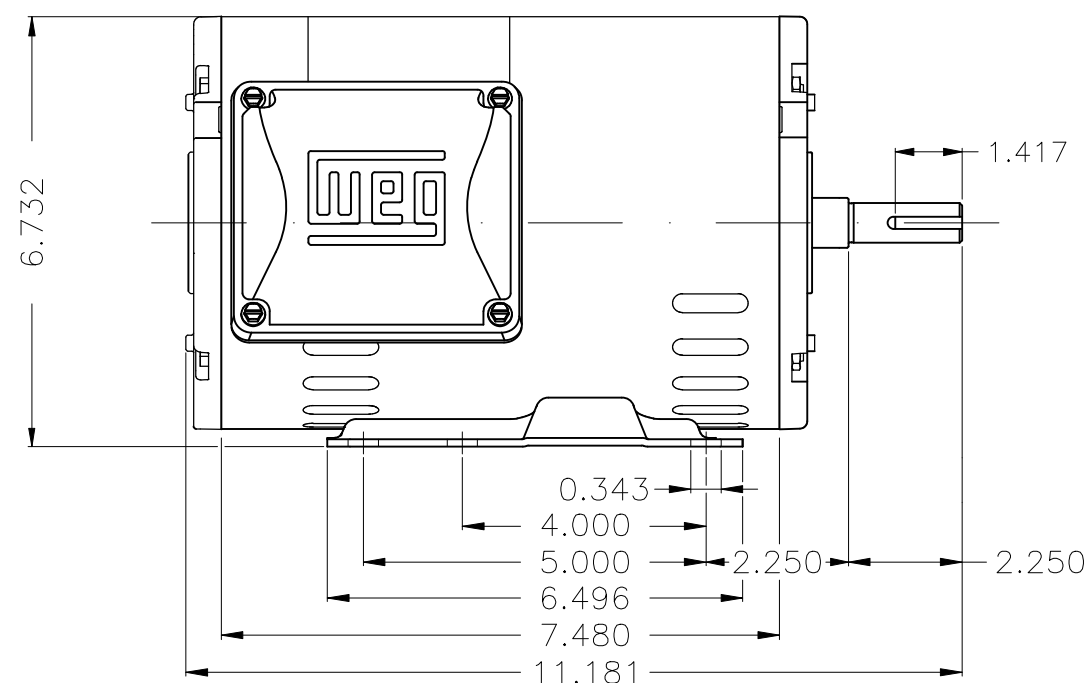
Product line : NEMA Premium Efficiency Three-Phase Product code : 12682571



Performance : 575 V 60 Hz 2P

Rated current	: 1.48 A	Moment of inertia (J)	: 0.0035 kgm ²
LRC	: 8.6	Duty cycle	: Cont.(S1)
Rated torque	: 0.310 kgfm	Insulation class	: F
Locked rotor torque	: 210 %	Service factor	: 1.15
Breakdown torque	: 330 %	Temperature rise	: 80 K
Rated speed	: 3510 rpm	Design	: B

Rev.	Changes Summary	Performed	Checked	Date
Performed by		Page 2 / 2 Revision		
Checked by				
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Dimensions in inches

KME	A3
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