

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :				
Product line : Three-Phase		Product code : 14122140		
Frame : 56 Insulation class : F Duty cycle : Cont.(S1) Ambient temperature : -20°C to +40°C Altitude : 1000 m.a.s.l. Protection degree : IP55 Design : B		Cooling method : IC411 - TEFC Mounting : F-1 Rotation ¹ : Both (CW and CCW) Starting method : Direct On Line Approx. weight ³ : 14.8 kg Moment of inertia (J) : 0.0043 kgm ²		
Output [HP]	1.5			
Poles	2			
Frequency [Hz]	60			
Rated voltage [V]	575			
Rated current [A]	1.50			
L. R. Amperes [A]	13.6			
LRC [A]	9.1x(Code L)			
No load current [A]	0.687			
Rated speed [RPM]	3520			
Slip [%]	2.22			
Rated torque [kgfm]	0.309			
Locked rotor torque [%]	229			
Breakdown torque [%]	300			
Service factor	1.15			
Temperature rise	80 K			
Locked rotor time	30s (cold) 17s (hot)			
Noise level ²	68.0 dB(A)			
Efficiency (%)	25%			
	50%	80.0		
	75%	82.5		
	100%	84.0		
Power Factor	25%			
	50%	0.71		
	75%	0.82		
	100%	0.88		
Bearing type : Drive end 6204 ZZ Non drive end 6202 ZZ Sealing : V'Ring V'Ring Lubrication interval : - - Lubricant amount : - - Lubricant type : Mobil Polyrex EM		Foundation loads Max. traction : 22 kgf Max. compression : 37 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
Performed by				
Checked by			Page	Revision
Date	11/05/2022		1 / 2	

LOAD PERFORMANCE CURVE

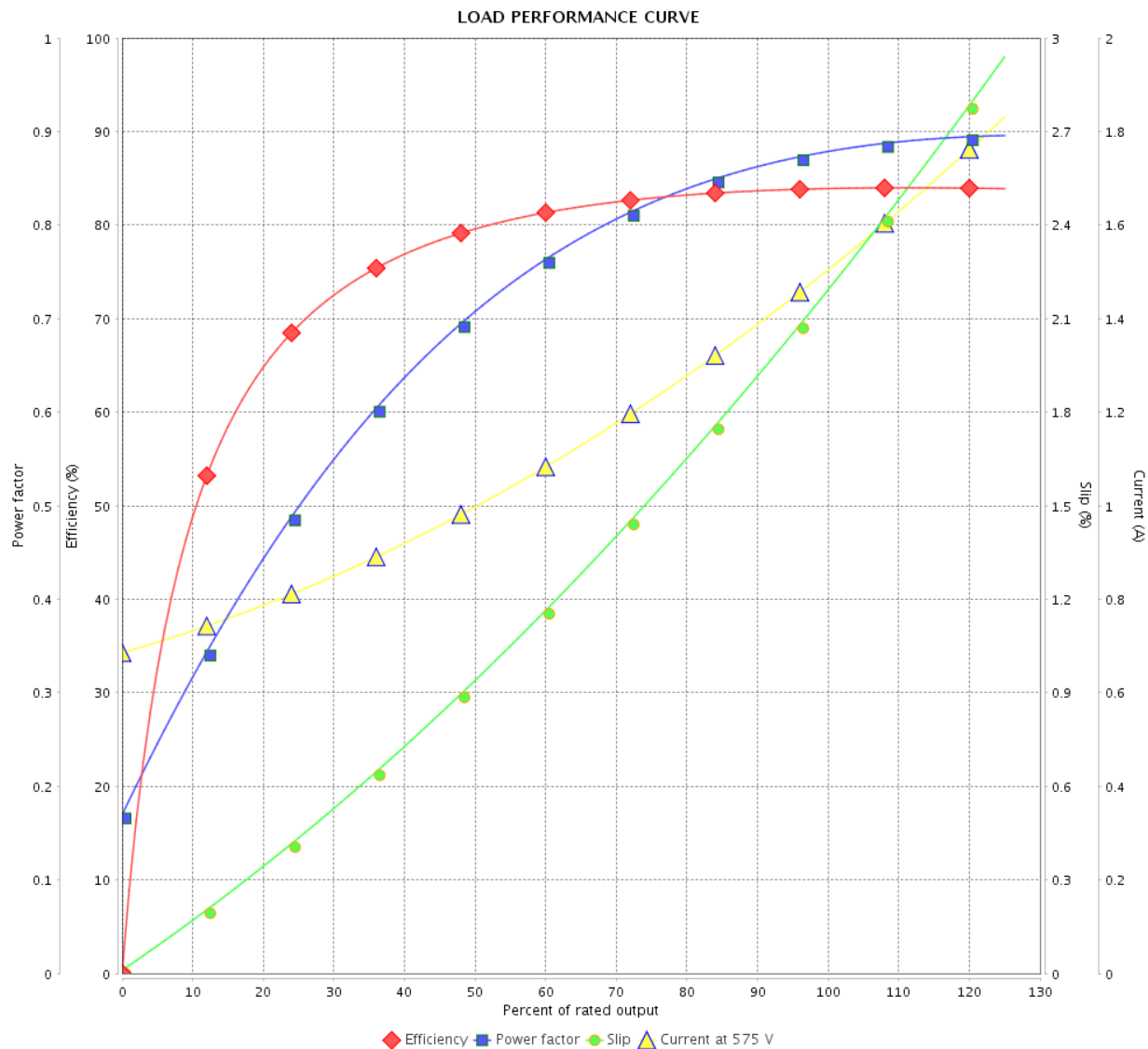
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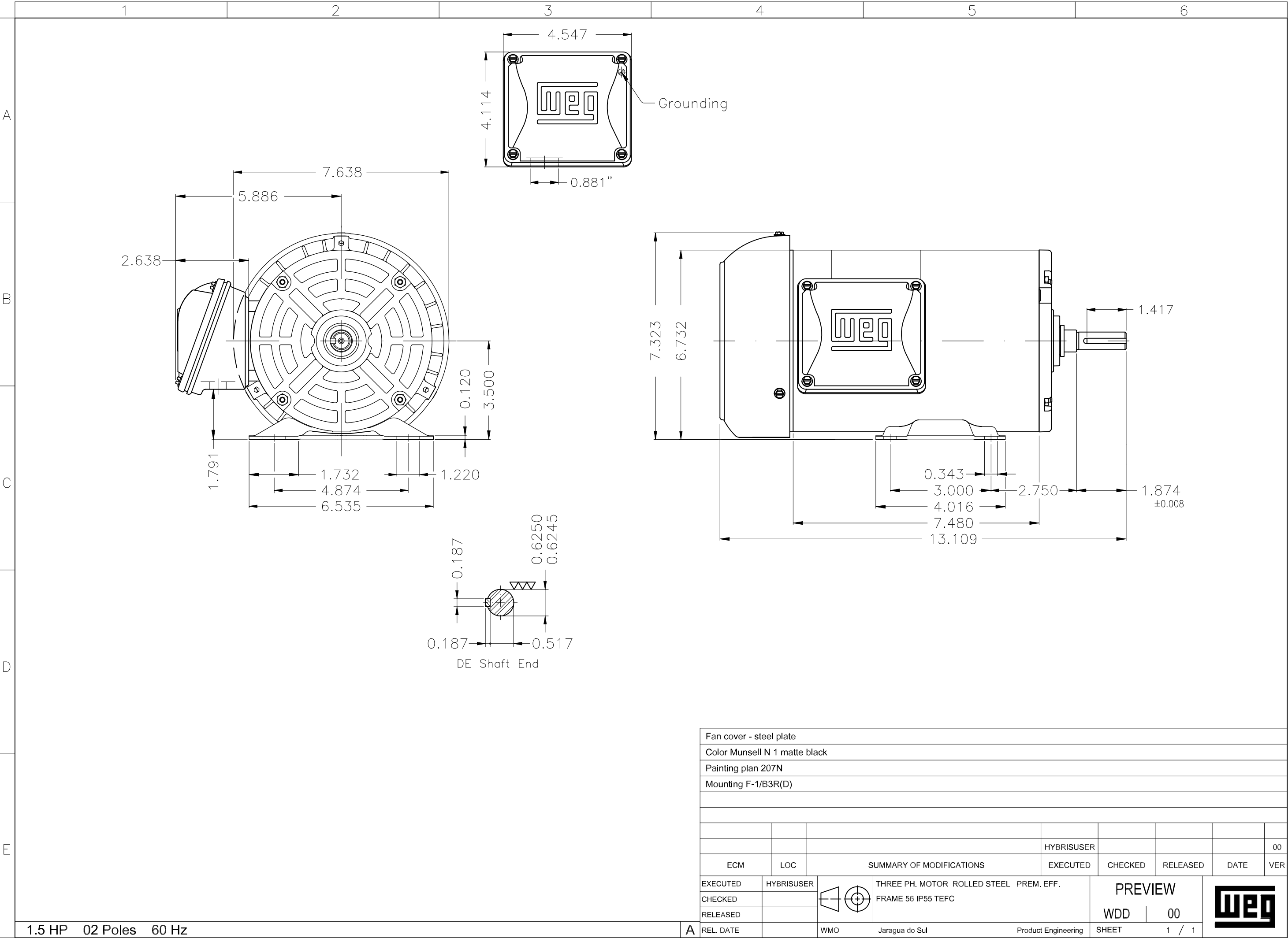


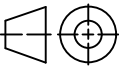
Performance : 575 V 60 Hz 2P

Rated current : 1.50 A
 LRC : 9.1
 Rated torque : 0.309 kgfm
 Locked rotor torque : 229 %
 Breakdown torque : 300 %
 Rated speed : 3520 rpm

Moment of inertia (J) : 0.0043 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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Fan cover - steel plate									
Color Munsell N 1 matte black									
Painting plan 207N									
Mounting F-1/B3R(D)									
						HYBRISUSER			00
ECM	LOC	SUMMARY OF MODIFICATIONS				EXECUTED	CHECKED	RELEASED	DATE VER
EXECUTED	HYBRISUSER	 THREE PH. MOTOR ROLLED STEEL PREM. EFF. FRAME 56 IP55 TEFC				PREVIEW			
CHECKED									
RELEASED									
REL. DATE									
		WMO	Jaragua do Sul	Product Engineering	SHEET	1 / 1			