

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :				
Product line		: Premium Efficiency Three-Phase	Product code :	13500356
Frame	: 56C	Cooling method	: IC411 - TEFC	
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	: 14.9 kg	
Protection degree	: IP55	Moment of inertia (J)	: 0.0043 kgm ²	
Design	: B			
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	Foundation loads	
Sealing	: V'Ring	Without Bearing Seal	Max. traction : 22 kgf	
Lubrication interval	: -	-	Max. compression : 37 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	11/05/2022		Page 1 / 2	Revision

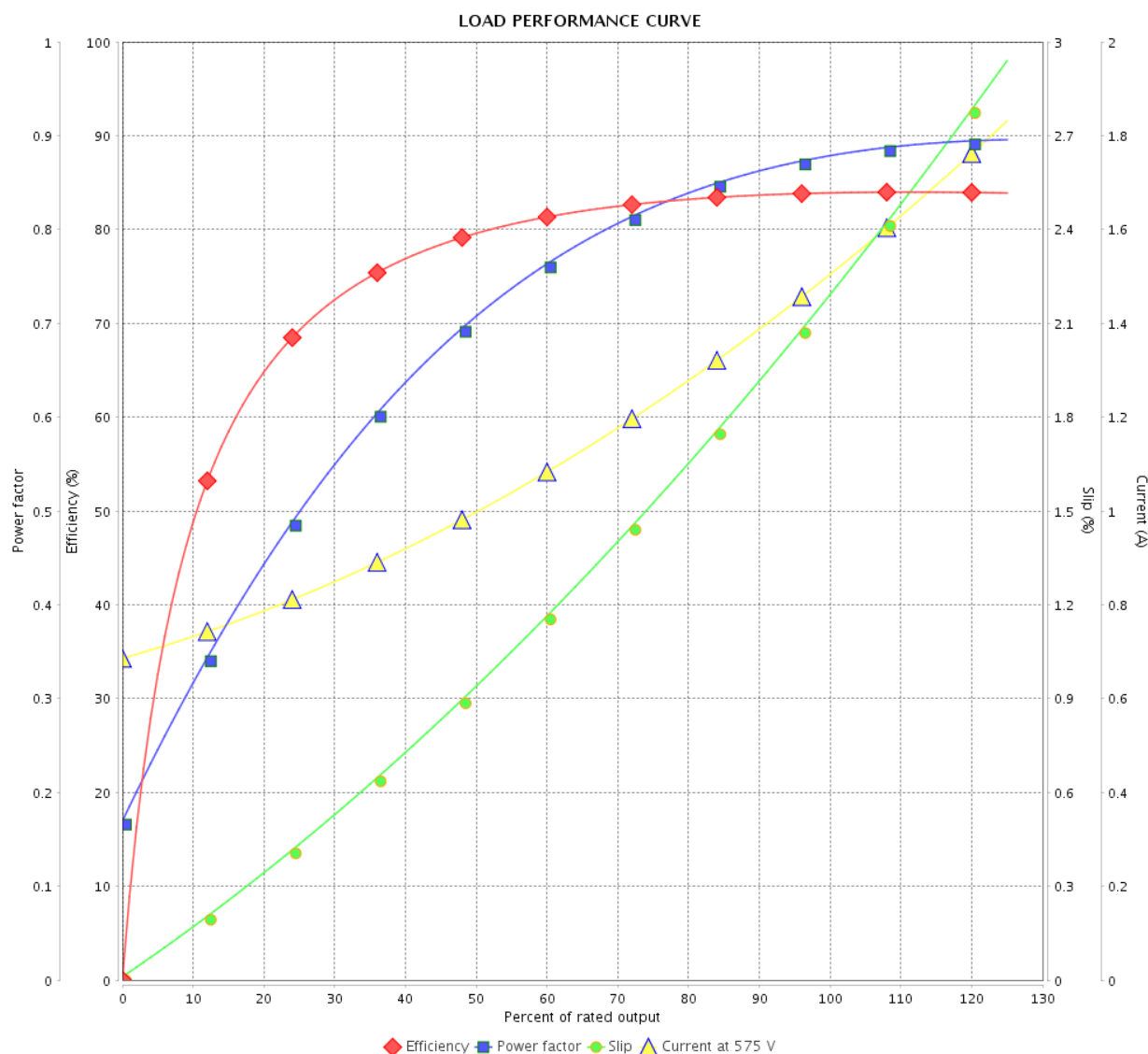
LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage



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Product line : Premium Efficiency Three-Phase Product code : 13500356

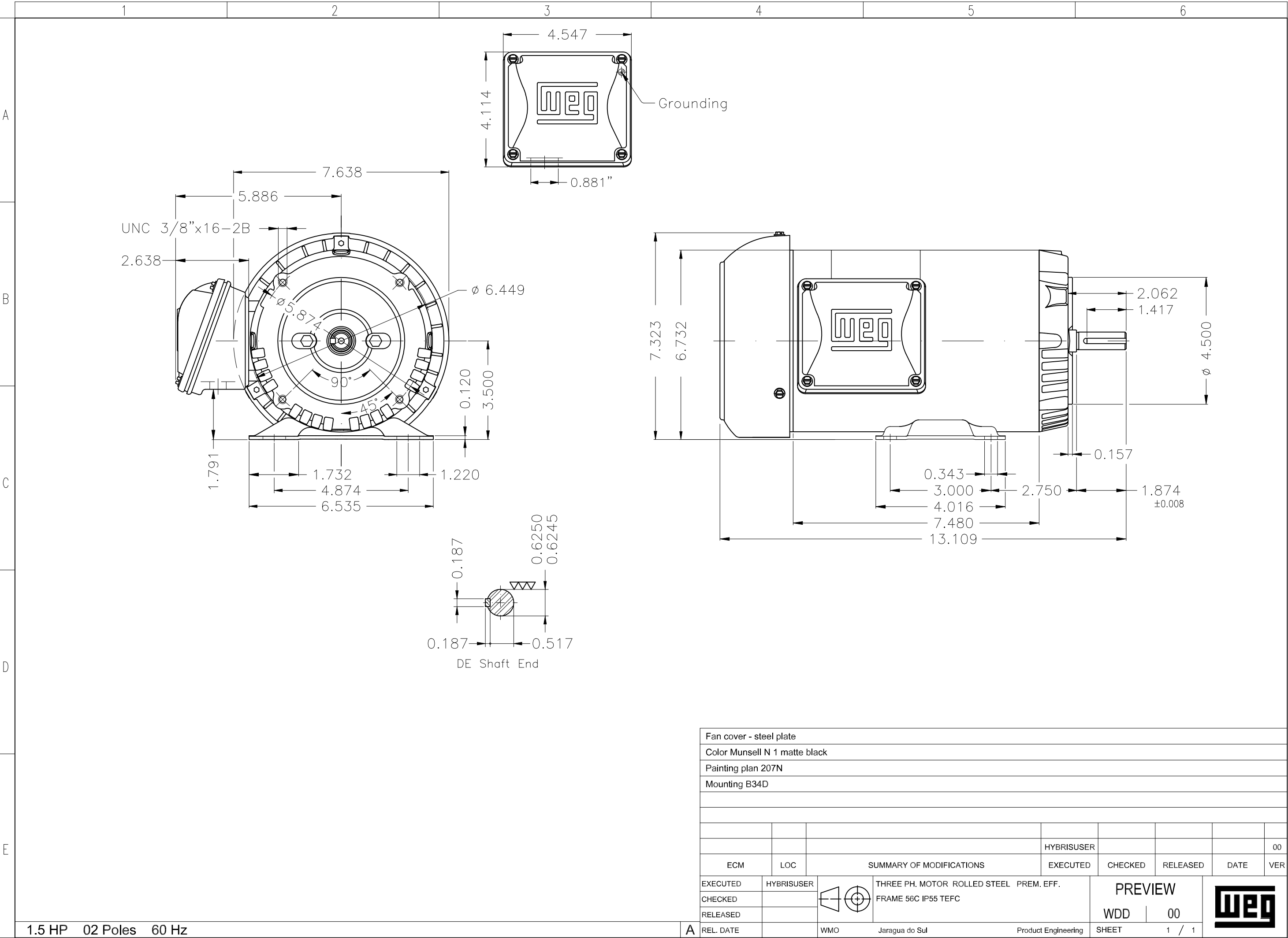


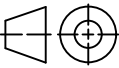
Performance : 575 V 60 Hz 2P

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
Performed by				Page 2 / 2	Revision
Checked by					
Date	11/05/2022				



Fan cover - steel plate									
Color Munsell N 1 matte black									
Painting plan 207N									
Mounting B34D									
						HYBRISUSER			00
ECM	LOC	SUMMARY OF MODIFICATIONS				EXECUTED	CHECKED	RELEASED	DATE VER
EXECUTED	HYBRISUSER	 THREE PH. MOTOR ROLLED STEEL PREM. EFF. FRAME 56C IP55 TEFC				PREVIEW			
CHECKED									
RELEASED									
REL. DATE						WMO	Jaragua do Sul		