

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer					
Product line	: Standard Efficiency Three-Phase	Product code	: 12894795		
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	: 11.0 kg		
Protection degree	: IP55	Moment of inertia (J)	: 0.0027 kgm ²		
Output [HP]	1				
Poles	2				
Frequency [Hz]	60				
Rated voltage [V]	575				
Rated current [A]	1.21				
L. R. Amperes [A]	8.70				
LRC [A]	7.2x(Code K)				
No load current [A]	0.568				
Rated speed [RPM]	3480				
Slip [%]	3.33				
Rated torque [kgfm]	0.209				
Locked rotor torque [%]	240				
Breakdown torque [%]	290				
Service factor	1.15				
Temperature rise	80 K				
Locked rotor time	43s (cold) 24s (hot)				
Noise level ²	68.0 dB(A)				
Efficiency (%)	25%	64.0			
	50%	66.0			
	75%	72.0			
	100%	74.0			
Power Factor	25%	0.43			
	50%	0.68			
	75%	0.79			
	100%	0.84			
Bearing type	: Drive end	6204 ZZ	Non drive end	6202 ZZ	
Sealing	: V'Ring		Without	Bearing Seal	
Lubrication interval	: -		-		
Lubricant amount	: -		-		
Lubricant type	: Mobil Polyrex EM				
Foundation loads	Max. traction : 14 kgf				
	Max. compression : 25 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	Date
Performed by					
Checked by					
Date	13/05/2022			Page	Revision
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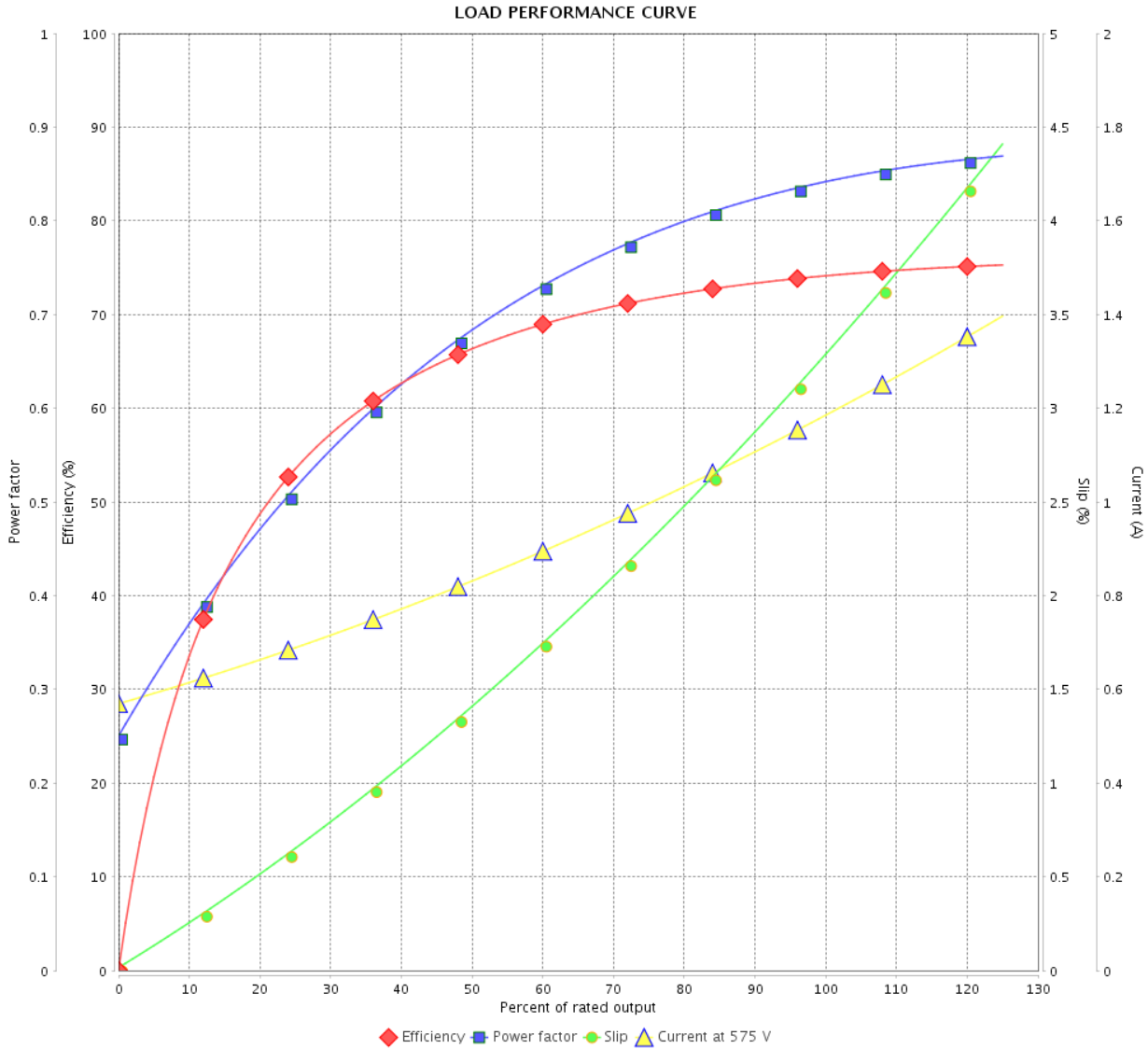
LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage



Customer :

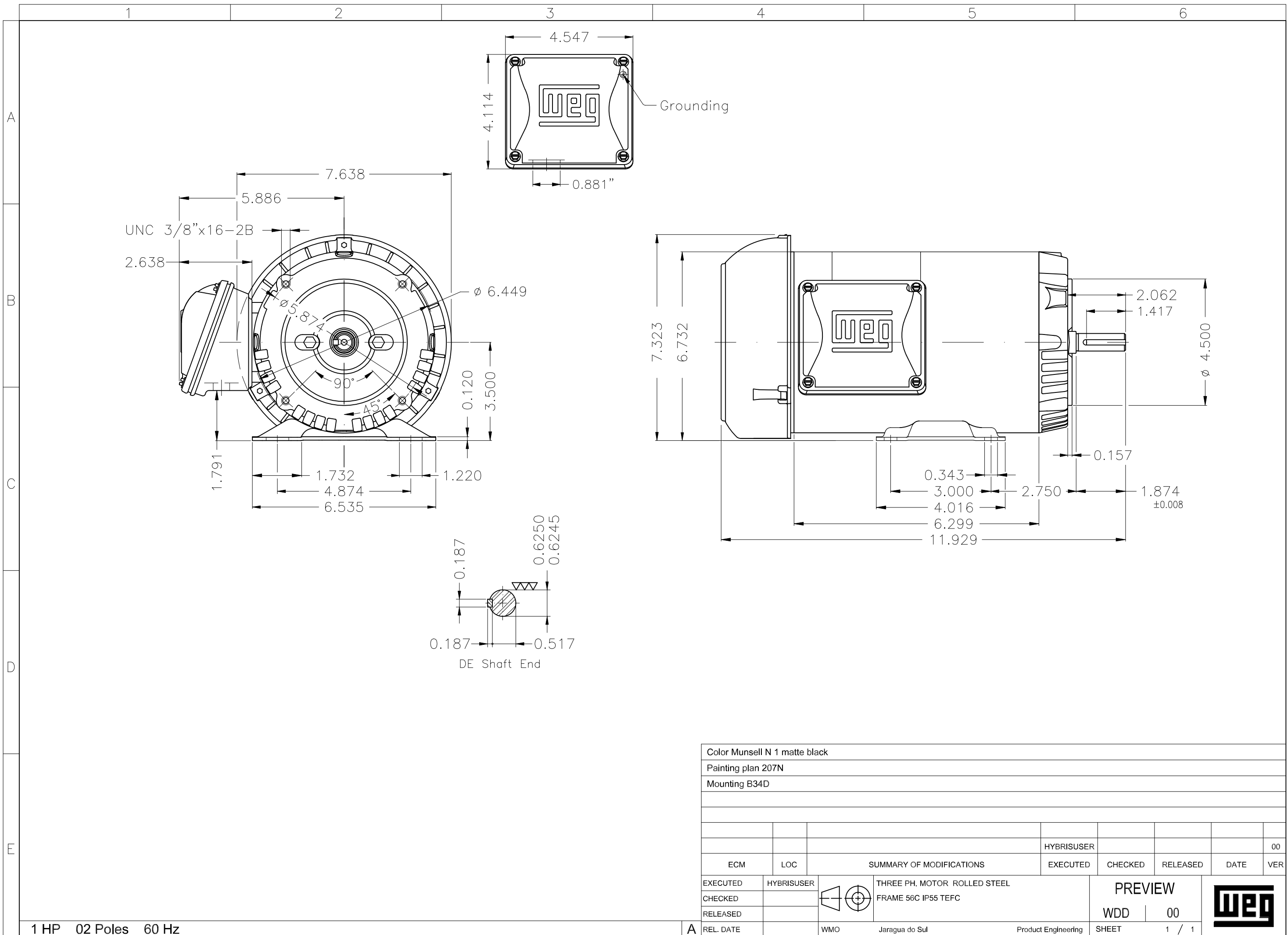
Product line : Standard Efficiency Three-Phase Product code : 12894795



Performance : 575 V 60 Hz 2P

Rated current	: 1.21 A	Moment of inertia (J)	: 0.0027 kgm ²
LRC	: 7.2	Duty cycle	: Cont.(S1)
Rated torque	: 0.209 kgfm	Insulation class	: F
Locked rotor torque	: 240 %	Service factor	: 1.15
Breakdown torque	: 290 %	Temperature rise	: 80 K
Rated speed	: 3480 rpm		

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Date	13/05/2022			



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				EXECUTED	CHECKED	RELEASED	DATE	VER
CHECKED				FRAME 56C IP55 TEFC				EXECUTED	CHECKED	RELEASED	DATE	VER
RELEASED								EXECUTED	CHECKED	RELEASED	DATE	VER
REL. DATE		WMO		Jaragua do Sul				Product Engineering	SHEET	1 / 1	PREVIEW	WDD 00

1 HP 02 Poles 60 Hz