

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer	:			
Product line	: Standard Efficiency Three-Phase	Product code : 13638773		
Frame	: 56HC	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 : 16.0 kg		
Protection degree	: IP55	Moment of inertia (J) : 0.0067 kgm ²		
Design	: A			
Output [HP]		1		
Poles		6		
Frequency [Hz]		60		
Rated voltage [V]		575		
Rated current [A]		1.34		
L. R. Amperes [A]		7.48		
LRC [A]		5.6x(Code J)		
No load current [A]		0.920		
Rated speed [RPM]		1145		
Slip [%]		4.58		
Rated torque [kgfm]		0.634		
Locked rotor torque [%]		210		
Breakdown torque [%]		260		
Service factor		1.15		
Temperature rise		80 K		
Locked rotor time		27s (cold) 15s (hot)		
Noise level ²		50.0 dB(A)		
Efficiency (%)	25%			
	50%	72.0		
	75%	75.5		
	100%	77.0		
Power Factor	25%			
	50%	0.50		
	75%	0.63		
	100%	0.73		
Bearing type	: <u>Drive end</u> 6204 ZZ <u>Non drive end</u> 6202 ZZ	Foundation loads		
Sealing	: V'Ring V'Ring	Max. traction : 45 kgf		
Lubrication interval	: - -	Max. compression : 61 kgf		
Lubricant amount	: - -			
Lubricant type	: Mobil Polyrex EM			
Notes				
<p>This revision replaces and cancel the previous one, which must be eliminated.</p> <p>(1) Looking the motor from the shaft end.</p> <p>(2) Measured at 1m and with tolerance of +3dB(A).</p> <p>(3) Approximate weight subject to changes after manufacturing process.</p> <p>(4) At 100% of full load.</p>		<p>These are average values based on tests with sinusoidal power supply, subject to the tolerances stipulated in NEMA MG-1.</p>		
Rev.	Changes Summary	Performed	Checked	Date
Performed by				
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LOAD PERFORMANCE CURVE

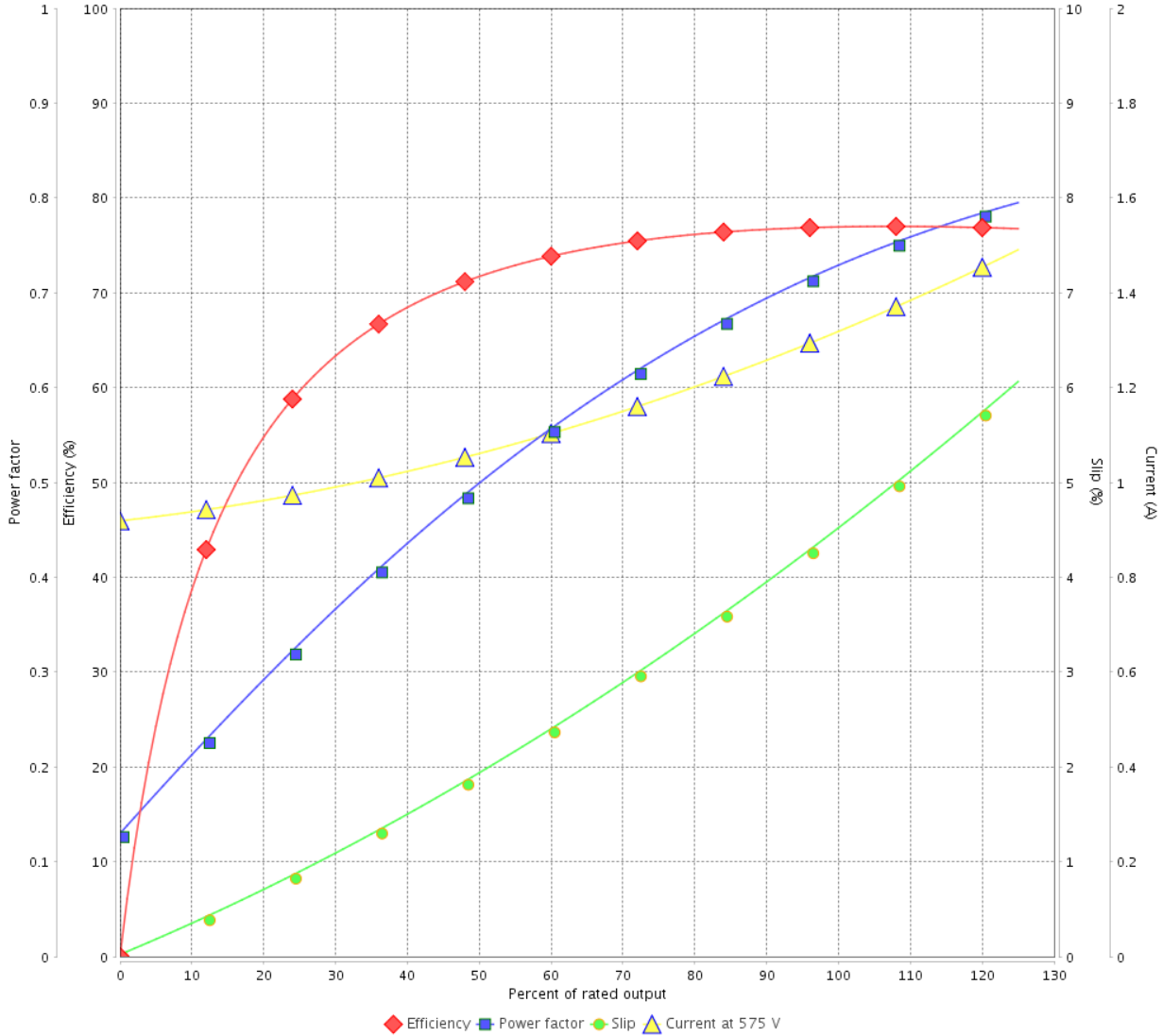
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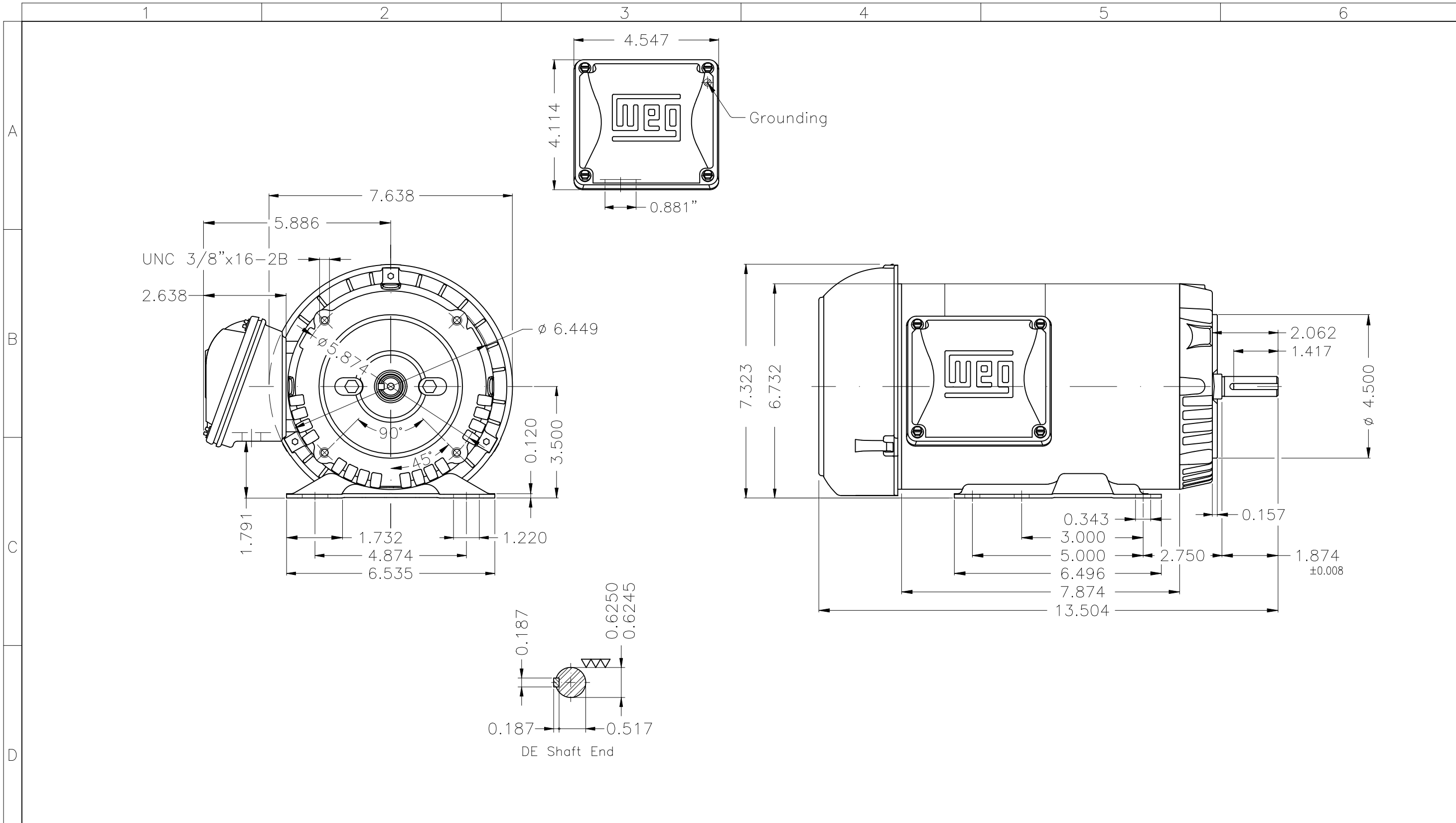


Performance : 575 V 60 Hz 6P

Rated current : 1.34 A
 LRC : 5.6
 Rated torque : 0.634 kgfm
 Locked rotor torque : 210 %
 Breakdown torque : 260 %
 Rated speed : 1145 rpm

Moment of inertia (J) : 0.0067 kgm²
 Duty cycle : Cont.(S1)
 Insulation class : F
 Service factor : 1.15
 Temperature rise : 80 K
 Design : A

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A
B
C
D
E

Color Munsell N 1 matte black					
Painting plan 207N					
Mounting B34D					
				HYBRISUSER	00
ECM	LOC	SUMMARY OF MODIFICATIONS		EXECUTED	CHECKED
EXECUTED	HYBRISUSER	THREE PH. MOTOR ROLLED STEEL			
CHECKED		FRAME 56HC IP55 TEFC			
RELEASED					
REL. DATE		WMO	Jaragua do Sul	Product Engineering	

1 HP 06 Poles 60 Hz

A REL. DATE WMO Jaragua do Sul Product Engineering SHEET 1 / 1

PREVIEW
WDD 00
WEG