

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	: Drive end	Non drive end	Foundation loads		
Sealing	: 6204 ZZ	6202 ZZ	Max. traction	: 45 kgf	
Lubrication interval	: V'Ring	V'Ring	Max. compression	: 61 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	Date
Performed by					
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LOAD PERFORMANCE CURVE

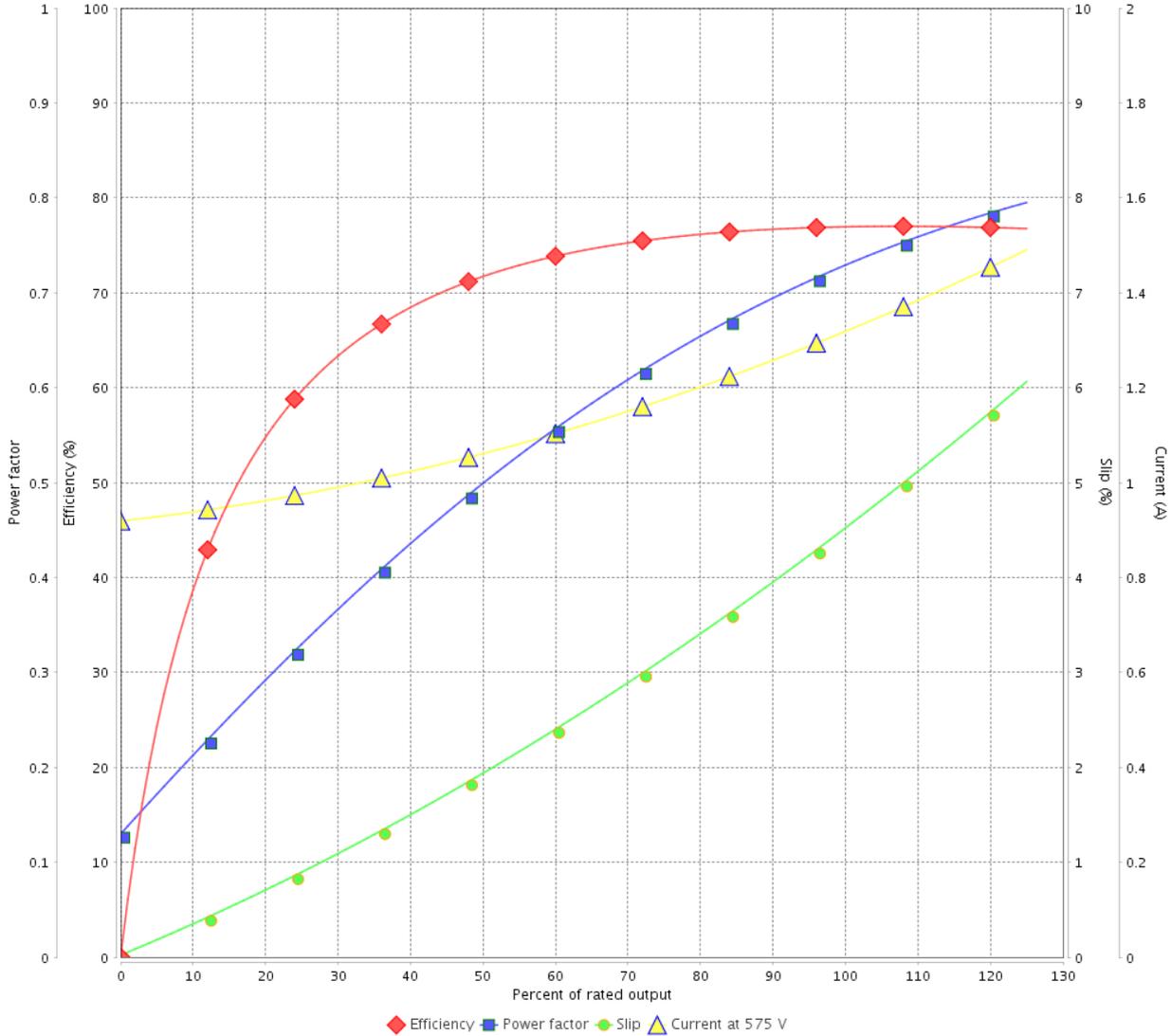
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Product line : Standard Efficiency Three-Phase Product code : 13638773

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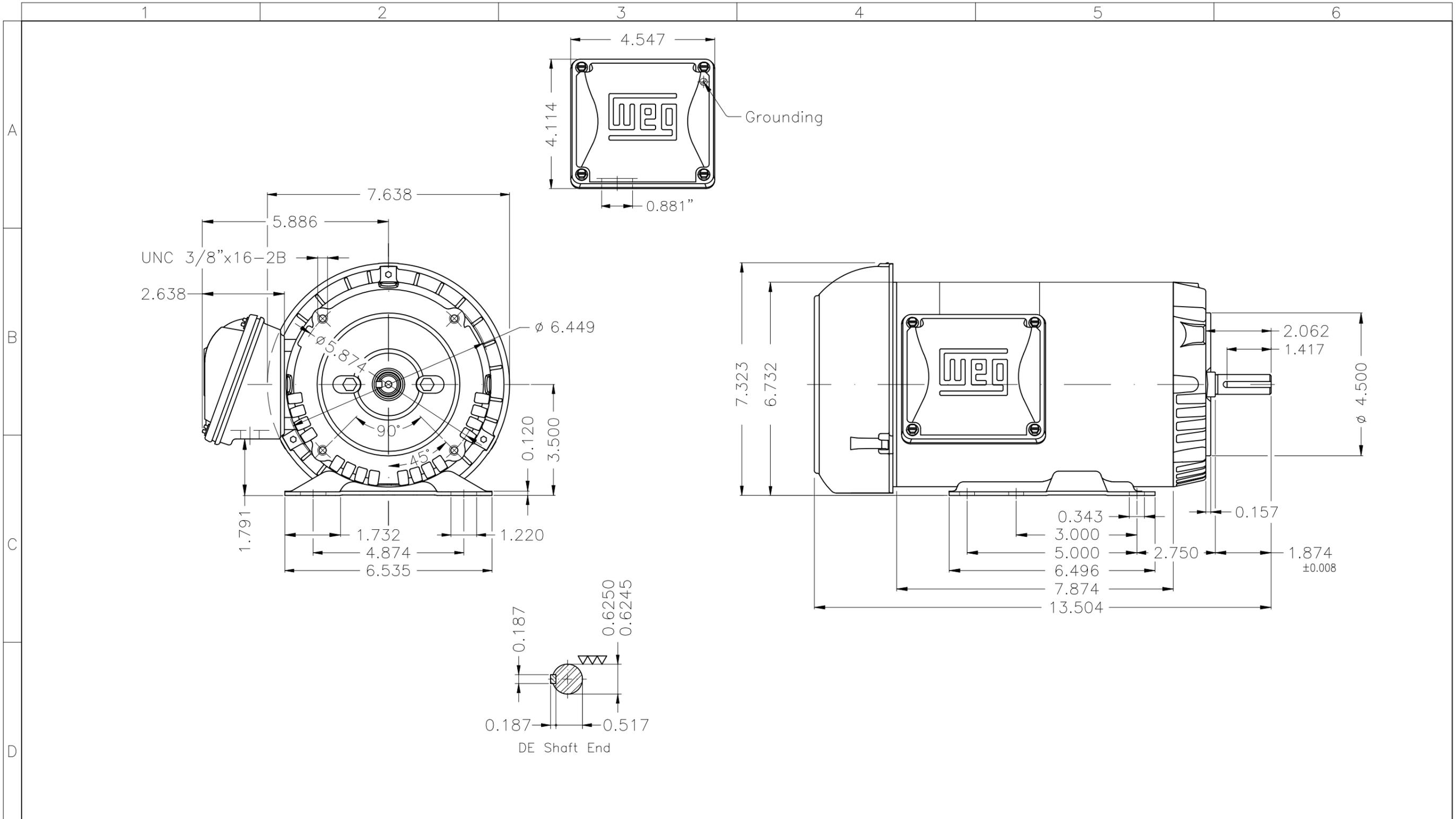


Performance : 575 V 60 Hz 6P

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

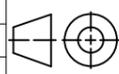
Moment of inertia (J) : 0.0067 kgm²
 Duty cycle : Cont.(S1)
 Insulation class : F
 Service factor : 1.15
 Temperature rise : 80 K
 Design : A

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A
B
C
D
E

Dimensions in inches
XME A3

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

1 HP 06 Poles 60 Hz

A

