

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer					
Product line	: Standard Efficiency Three-Phase	Product code	: 12894791		
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	: 12.3 kg		
Protection degree	: IP55	Moment of inertia (J)	: 0.0033 kgm ²		
Design	: A				
Output [HP]	1.5				
Poles	2				
Frequency [Hz]	60				
Rated voltage [V]	575				
Rated current [A]	1.59				
L. R. Amperes [A]	11.5				
LRC [A]	7.2x(Code J)				
No load current [A]	0.652				
Rated speed [RPM]	3460				
Slip [%]	3.89				
Rated torque [kgfm]	0.315				
Locked rotor torque [%]	240				
Breakdown torque [%]	270				
Service factor	1.15				
Temperature rise	80 K				
Locked rotor time	21s (cold) 12s (hot)				
Noise level ²	68.0 dB(A)				
Efficiency (%)	25%	70.4			
	50%	72.0			
	75%	75.5			
	100%	77.0			
Power Factor	25%	0.49			
	50%	0.76			
	75%	0.85			
	100%	0.90			
Bearing type	: Drive end 6204 ZZ	Non drive end 6202 ZZ	Foundation loads		
Sealing	: V'Ring	Without Bearing Seal	Max. traction	: 21 kgf	
			Max. compression	: 33 kgf	
Lubrication interval	: -	-			
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					
Checked by				Page	Revision
Date	13/05/2022			1 / 2	

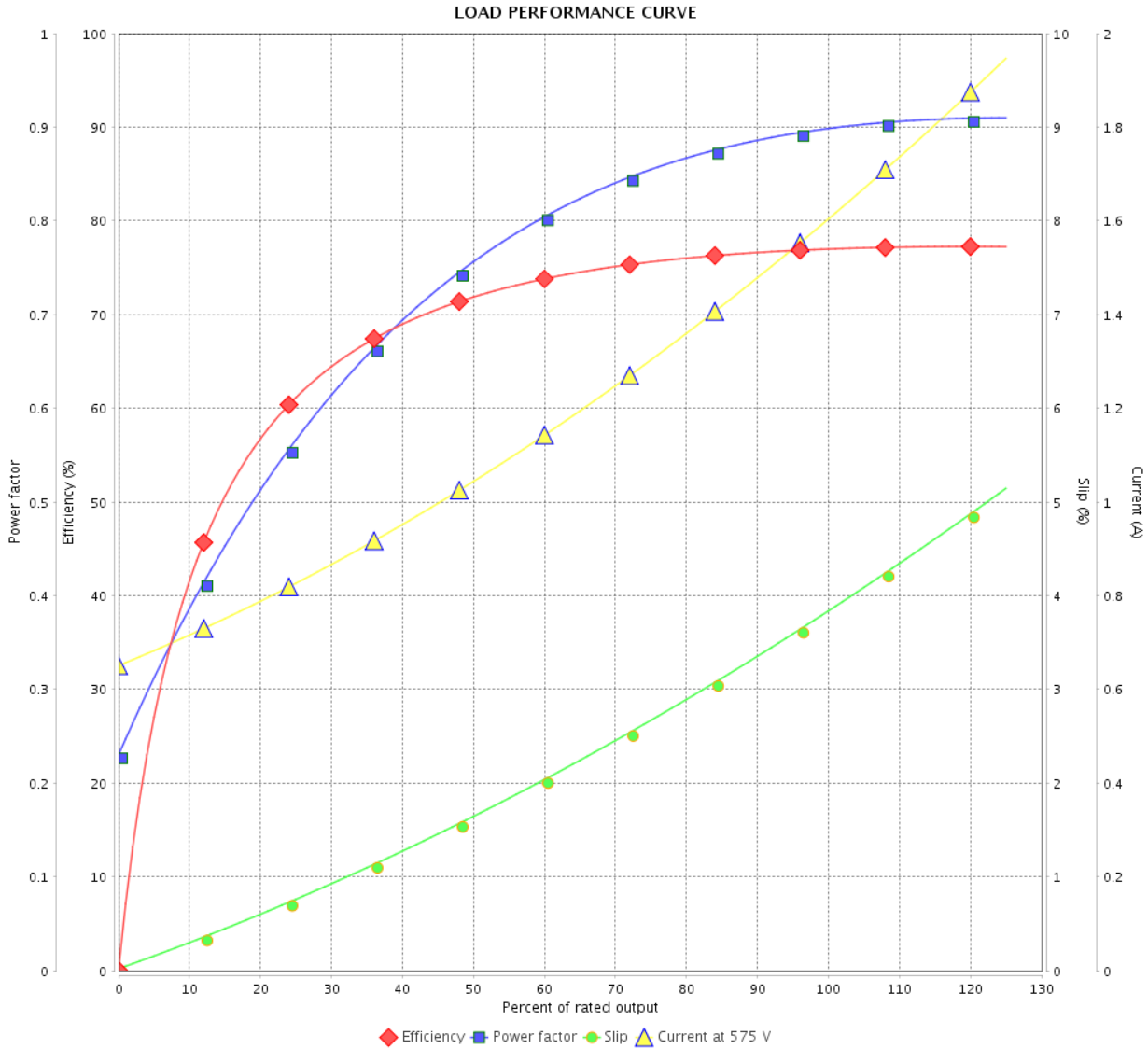
LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage



Customer :

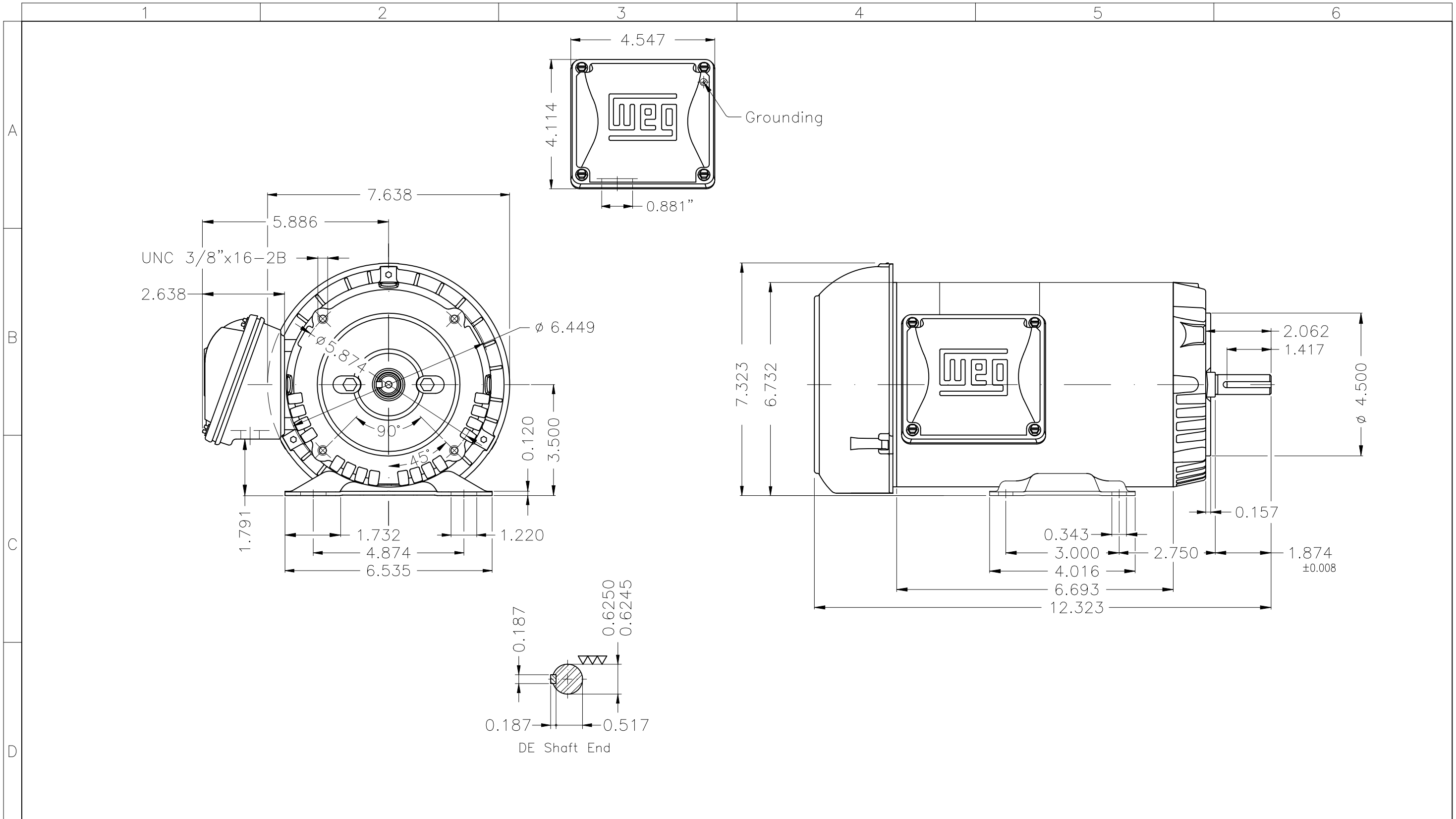
Product line : Standard Efficiency Three-Phase Product code : 12894791



Performance : 575 V 60 Hz 2P

Rated current	: 1.59 A	Moment of inertia (J)	: 0.0033 kgm ²
LRC	: 7.2	Duty cycle	: Cont.(S1)
Rated torque	: 0.315 kgfm	Insulation class	: F
Locked rotor torque	: 240 %	Service factor	: 1.15
Breakdown torque	: 270 %	Temperature rise	: 80 K
Rated speed	: 3460 rpm	Design	: A

Rev.	Changes Summary	Performed	Checked	Date
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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	DATE	VER			
EXECUTED	HYBRISUSER	THREE PH. MOTOR ROLLED STEEL FRAME 56C IP55 TEFC					PREVIEW							
CHECKED							WDD		00					
RELEASED							SHEET		1 / 1					
REL. DATE		WMO	Jaragua do Sul	Product Engineering										

1.5 HP 02 Poles 60 Hz

A