

# DATA SHEET

## Three Phase Induction Motor - Squirrel Cage



Customer :				
Product line	: Three-Phase	Product code :	13989585	
Frame	: 56C	Cooling method	: IC411 - TEFC	
Insulation class	: F	Mounting	: F-1	
Duty cycle	: Cont.(S1)	Rotation <sup>1</sup>	: Both (CW and CCW)	
Ambient temperature	: -20°C to +40°C	Starting method	: Direct On Line	
Altitude	: 1000 m.a.s.l.	Approx. weight <sup>3</sup>	: 12.8 kg	
Protection degree	: IP55	Moment of inertia (J)	: 0.0036 kgm <sup>2</sup>	
Output [HP]	0.75			
Poles	4			
Frequency [Hz]	60			
Rated voltage [V]	575			
Rated current [A]	0.952			
L. R. Amperes [A]	7.33			
LRC [A]	7.7x(Code L)			
No load current [A]	0.658			
Rated speed [RPM]	1760			
Slip [%]	2.22			
Rated torque [kgfm]	0.309			
Locked rotor torque [%]	240			
Breakdown torque [%]	360			
Service factor	1.15			
Temperature rise	80 K			
Locked rotor time	28s (cold) 16s (hot)			
Noise level <sup>2</sup>	52.0 dB(A)			
Efficiency (%)	25%			
	50%	75.5		
	75%	80.0		
	100%	81.5		
Power Factor	25%			
	50%	0.49		
	75%	0.62		
	100%	0.71		
Bearing type	: <u>Drive end</u> 6203 ZZ	<u>Non drive end</u> 6202 ZZ	Foundation loads	
Sealing	: V'Ring	V'Ring	Max. traction : 29 kgf	
Lubrication interval	: -	-	Max. compression : 42 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				
Checked by			Page	Revision
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# LOAD PERFORMANCE CURVE

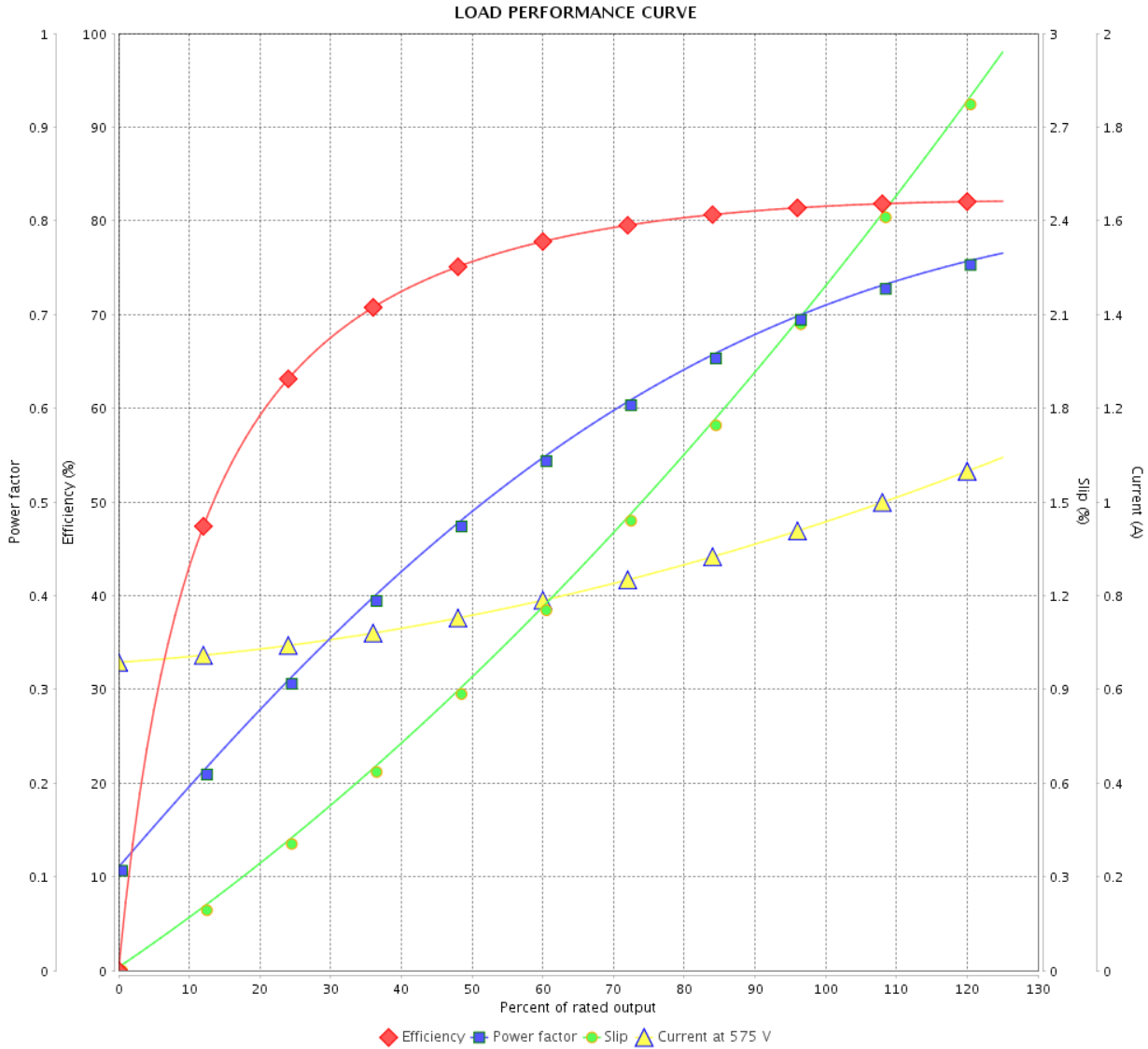
Three Phase Induction Motor - Squirrel Cage



Customer : \_\_\_\_\_

Product line : Three-Phase

Product code : 13989585

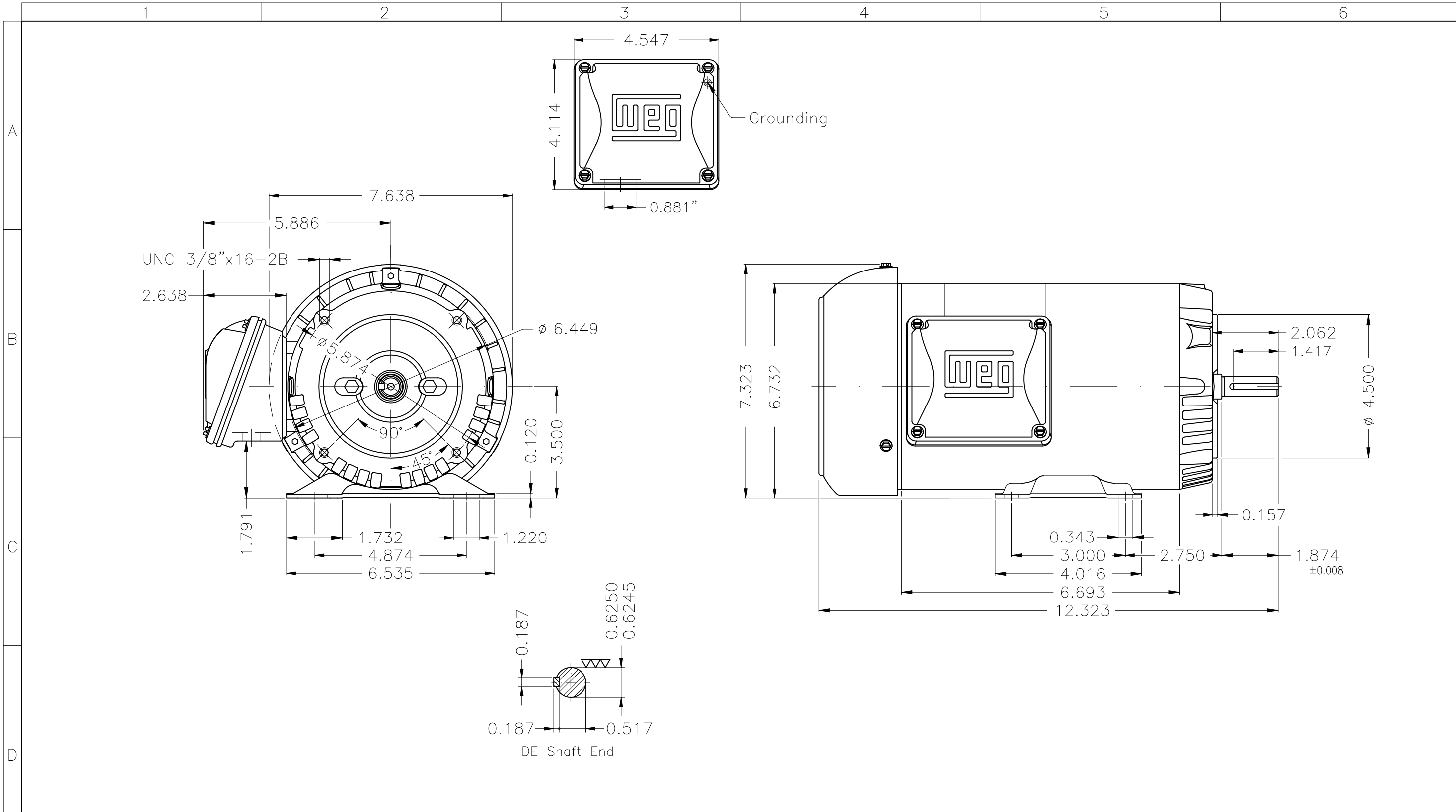


Performance : 575 V 60 Hz 4P

Rated current : 0.952 A  
 LRC : 7.7  
 Rated torque : 0.309 kgfm  
 Locked rotor torque : 240 %  
 Breakdown torque : 360 %  
 Rated speed : 1760 rpm

Moment of inertia (J) : 0.0036 kgm<sup>2</sup>  
 Duty cycle : Cont.(S1)  
 Insulation class : F  
 Service factor : 1.15  
 Temperature rise : 80 K

Rev.	Changes Summary	Performed	Checked	Date
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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.						PREVIEW							
CHECKED		FRAME 56C IP55 TEFC						WDD 00							
RELEASED								SHEET		1 / 1					
REL. DATE		WMO	Jaragua do Sul		Product Engineering										

0.75 HP 04 Poles 60 Hz

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