

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer	:				
Product line	: Standard Efficiency Three-Phase	Product code :	12894804		
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	: 9.5 kg		
Protection degree	: IP55	Moment of inertia (J)	: 0.0022 kgm ²		
Output [HP]	0.75				
Poles	2				
Frequency [Hz]	60				
Rated voltage [V]	575				
Rated current [A]	0.904				
L. R. Amperes [A]	6.33				
LRC [A]	7.0x(Code K)				
No load current [A]	0.440				
Rated speed [RPM]	3475				
Slip [%]	3.47				
Rated torque [kgfm]	0.157				
Locked rotor torque [%]	250				
Breakdown torque [%]	290				
Service factor	1.15				
Temperature rise	80 K				
Locked rotor time	41s (cold) 23s (hot)				
Noise level ²	68.0 dB(A)				
Efficiency (%)	25%	58.8			
	50%	62.0			
	75%	68.0			
	100%	72.0			
Power Factor	25%	0.45			
	50%	0.70			
	75%	0.79			
	100%	0.85			
Bearing type	: <u>Drive end</u> 6203 ZZ	<u>Non drive end</u> 6202 ZZ	Foundation loads		
Sealing	: V'Ring	Without Bearing Seal	Max. traction	: 9 kgf	
			Max. compression	: 19 kgf	
Lubrication interval	: -	-			
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
Date	13/05/2022			1 / 2	

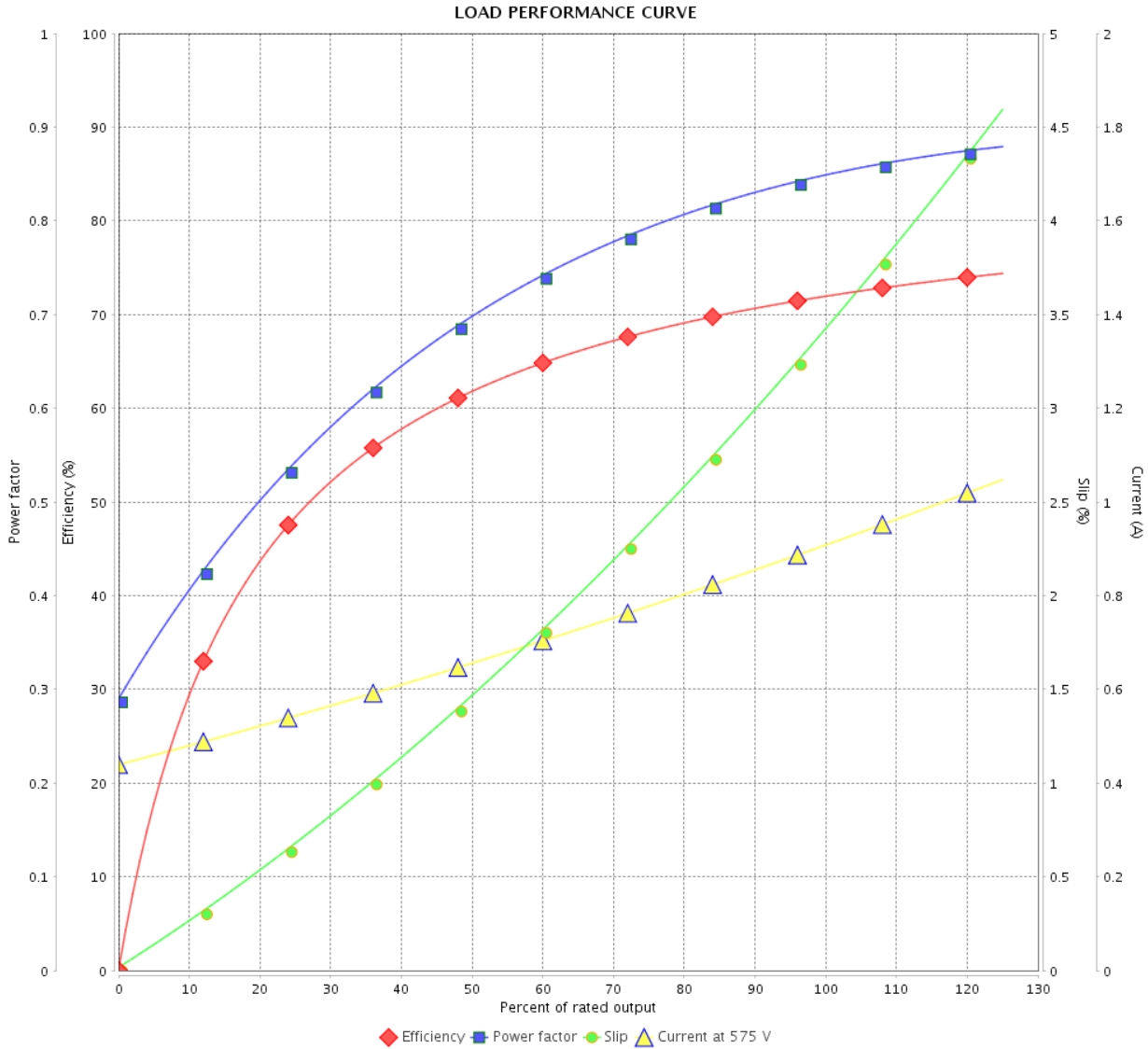
LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : Standard Efficiency Three-Phase Product code : 12894804



Performance : 575 V 60 Hz 2P

Rated current : 0.904 A
 LRC : 7.0
 Rated torque : 0.157 kgfm
 Locked rotor torque : 250 %
 Breakdown torque : 290 %
 Rated speed : 3475 rpm

Moment of inertia (J) : 0.0022 kgm²
 Duty cycle : Cont.(S1)
 Insulation class : F
 Service factor : 1.15
 Temperature rise : 80 K

Rev.	Changes Summary	Performed	Checked	Date
Performed by			Page 2 / 2	Revision
Checked by				
Date	13/05/2022			

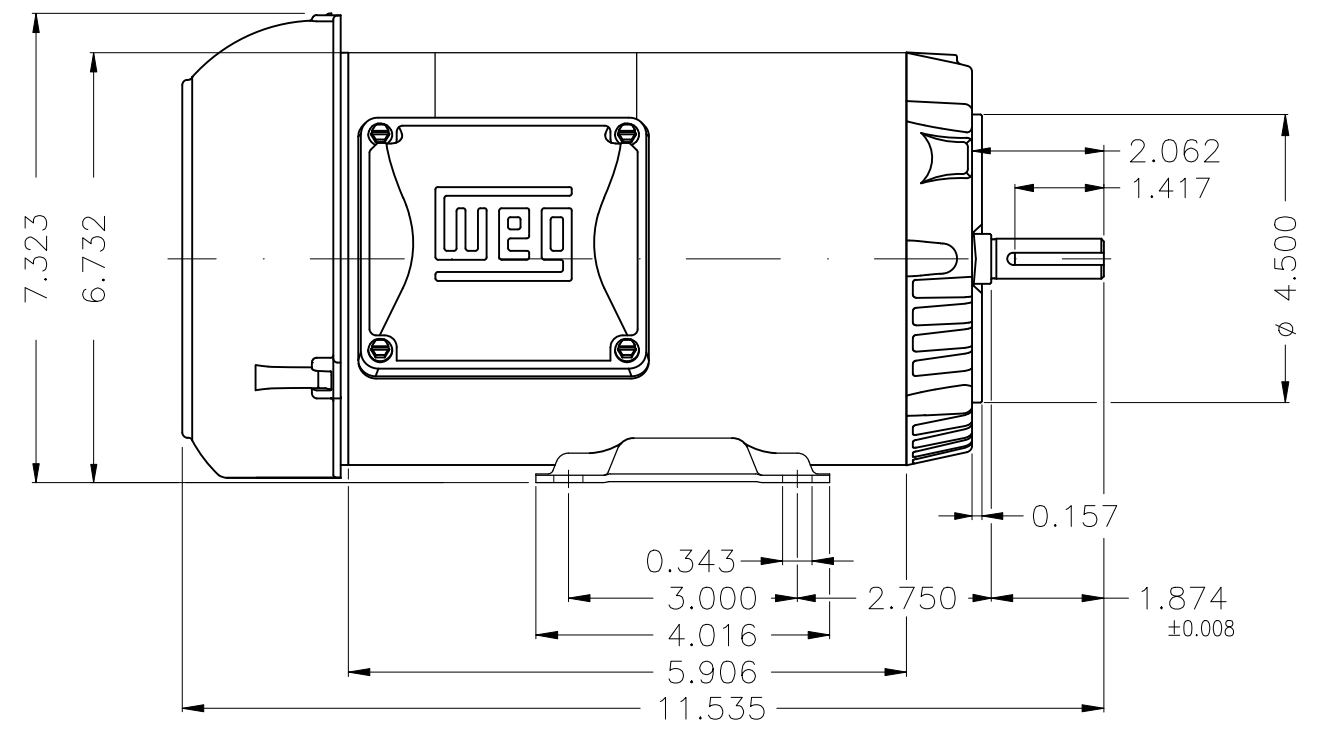
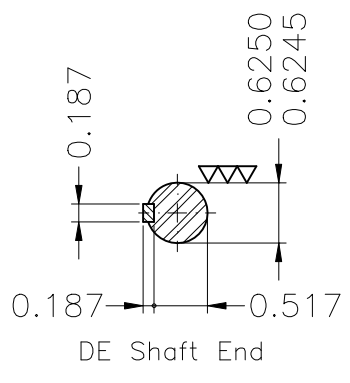
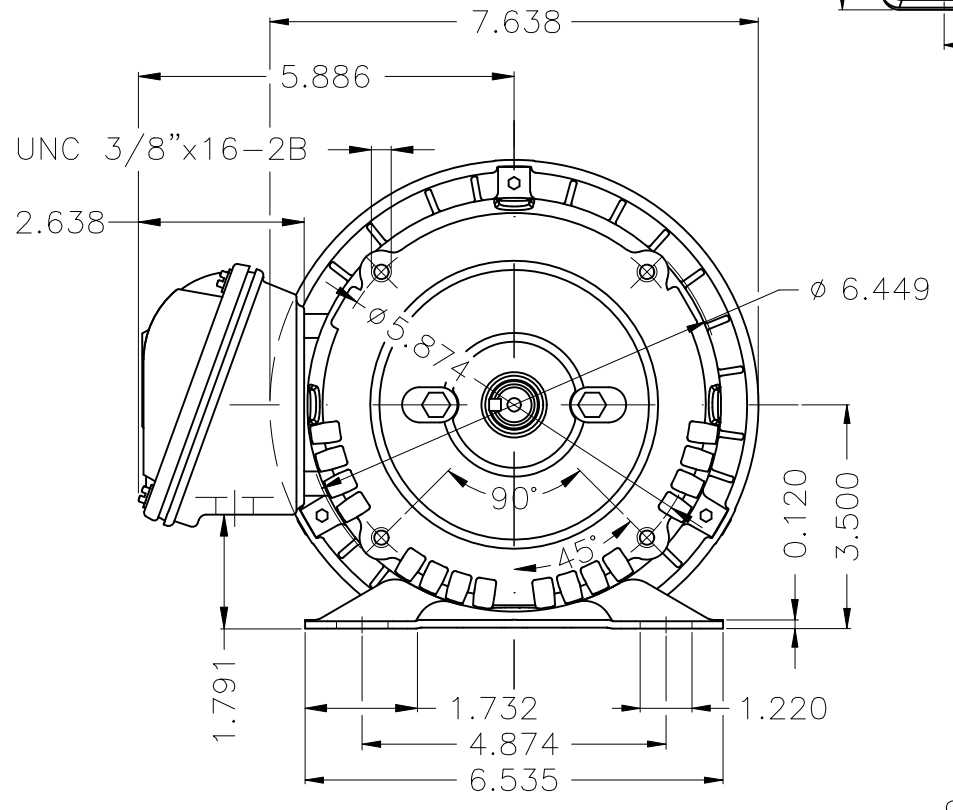
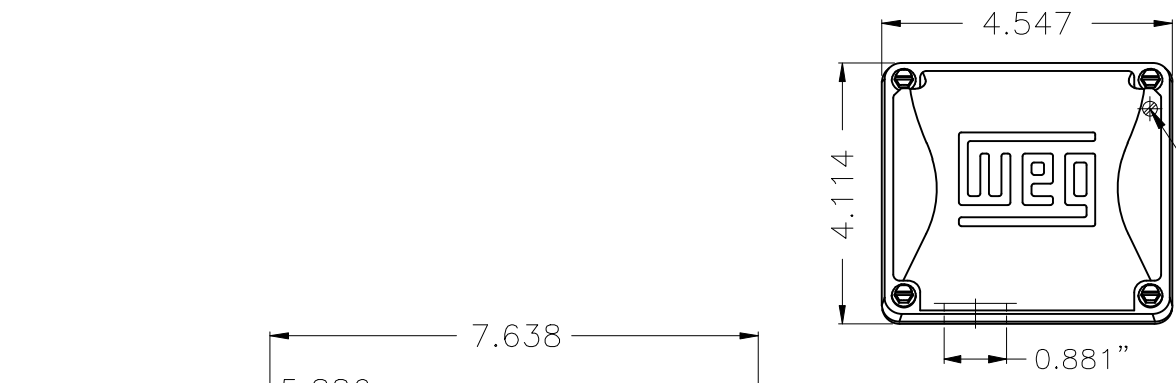
A

B

C

D

E



Color Munsell N 1 matte black
 Painting plan 207N
 Mounting B34D

ECM	LOC	SUMMARY OF MODIFICATIONS	EXECUTED	CHECKED	RELEASED	DATE	VER
EXECUTED	HYBRISUSER	THREE PH. MOTOR ROLLED STEEL					00
CHECKED		FRAME 56C IP55 TEFC					
RELEASED							

0.75 HP 02 Poles 60 Hz

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

PREVIEW
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