

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :				
Product line	: Standard Efficiency Three-Phase			
Product code	: 12894830			
Frame	: 56C			
Insulation class	: F			
Duty cycle	: Cont.(S1)			
Ambient temperature	: -20°C to +40°C			
Altitude	: 1000 m.a.s.l.			
Protection degree	: IP55			
Cooling method	: IC411 - TEFC			
Mounting	: F-1			
Rotation ¹	: Both (CW and CCW)			
Starting method	: Direct On Line			
Approx. weight ³	: 10.6 kg			
Moment of inertia (J)	: 0.0027 kgm ²			
Output [HP]	0.75			
Poles	4			
Frequency [Hz]	60			
Rated voltage [V]	575			
Rated current [A]	0.976			
L. R. Amperes [A]	6.73			
LRC [A]	6.9x(Code K)			
No load current [A]	0.720			
Rated speed [RPM]	1755			
Slip [%]	2.50			
Rated torque [kgfm]	0.310			
Locked rotor torque [%]	240			
Breakdown torque [%]	300			
Service factor	1.15			
Temperature rise	80 K			
Locked rotor time	30s (cold) 17s (hot)			
Noise level ²	52.0 dB(A)			
Efficiency (%)	25%	70.4		
	50%	72.0		
	75%	77.0		
	100%	78.5		
Power Factor	25%	0.26		
	50%	0.48		
	75%	0.61		
	100%	0.72		
Bearing type	: <u>Drive end</u> 6203 ZZ <u>Non drive end</u> 6202 ZZ			
Sealing	: V'Ring Without Bearing Seal			
Lubrication interval	: - -			
Lubricant amount	: - -			
Lubricant type	: Mobil Polyrex EM			
Foundation loads	Max. traction : 24 kgf			
	Max. compression : 35 kgf			
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	16/05/2022		1 / 2	

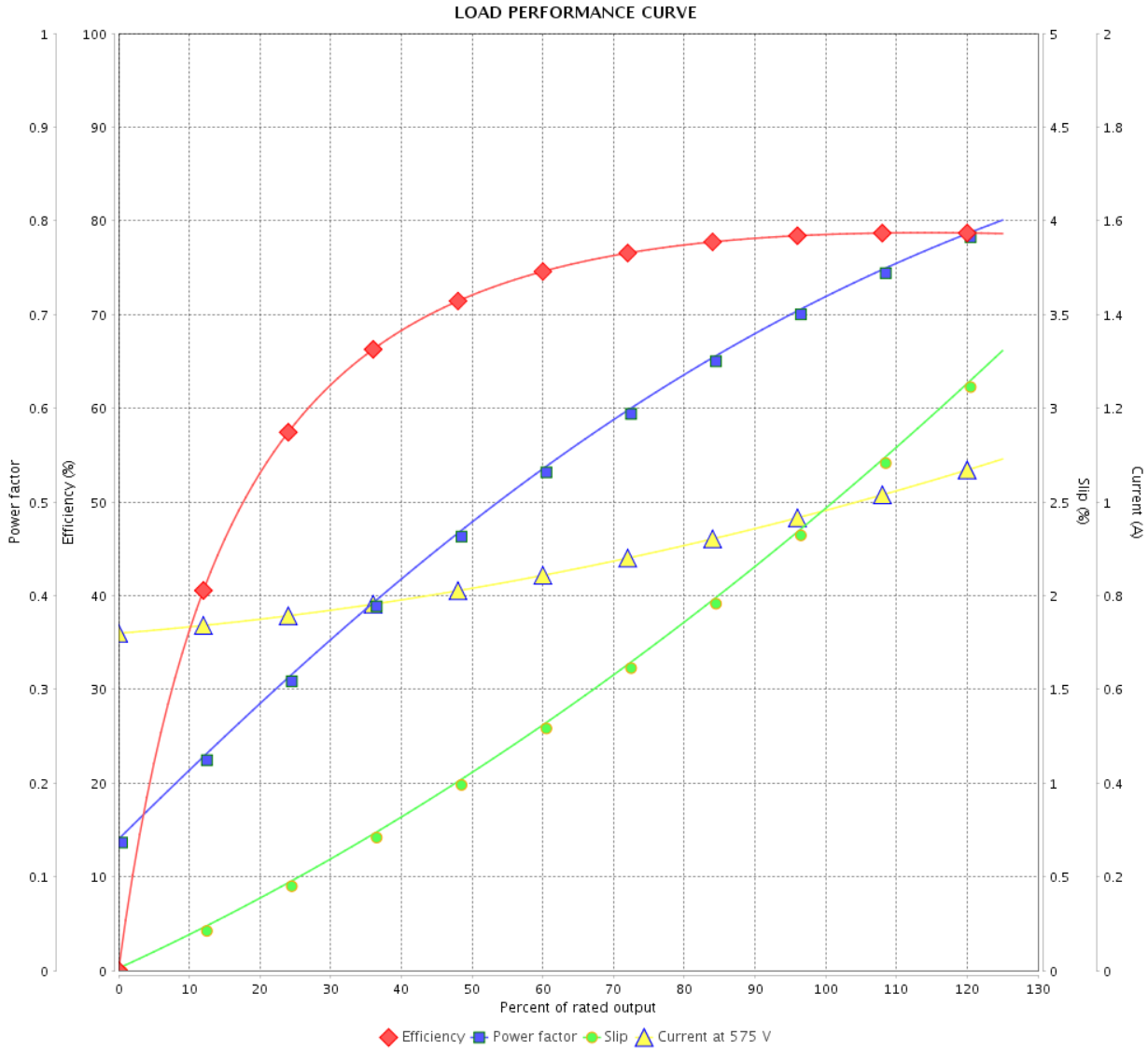
LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : Standard Efficiency Three-Phase Product code : 12894830



Performance : 575 V 60 Hz 4P

Rated current : 0.976 A
 LRC : 6.9
 Rated torque : 0.310 kgfm
 Locked rotor torque : 240 %
 Breakdown torque : 300 %
 Rated speed : 1755 rpm

Moment of inertia (J) : 0.0027 kgm²
 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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Checked by				
Date	16/05/2022			

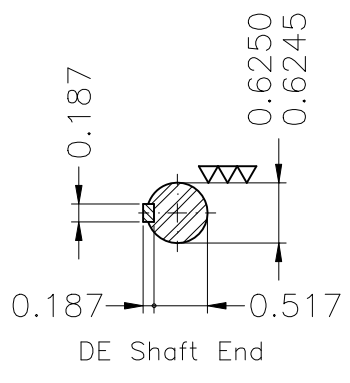
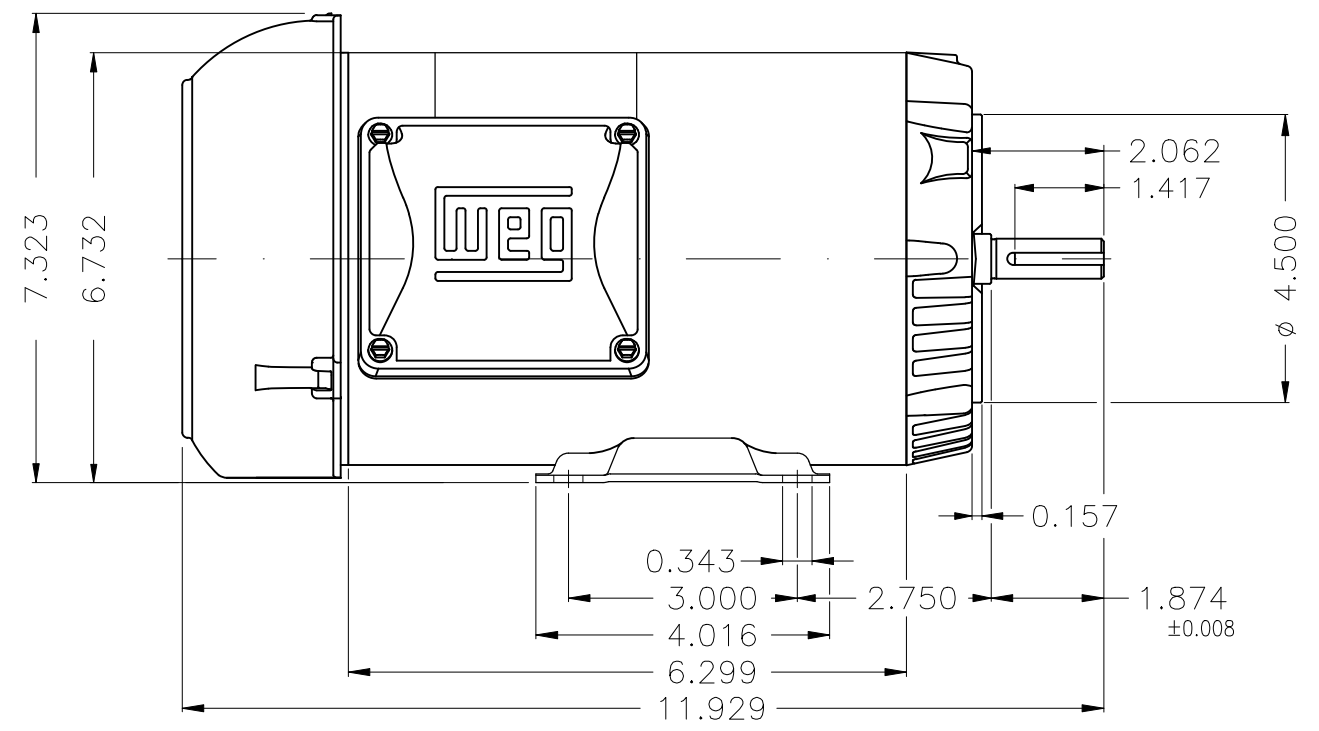
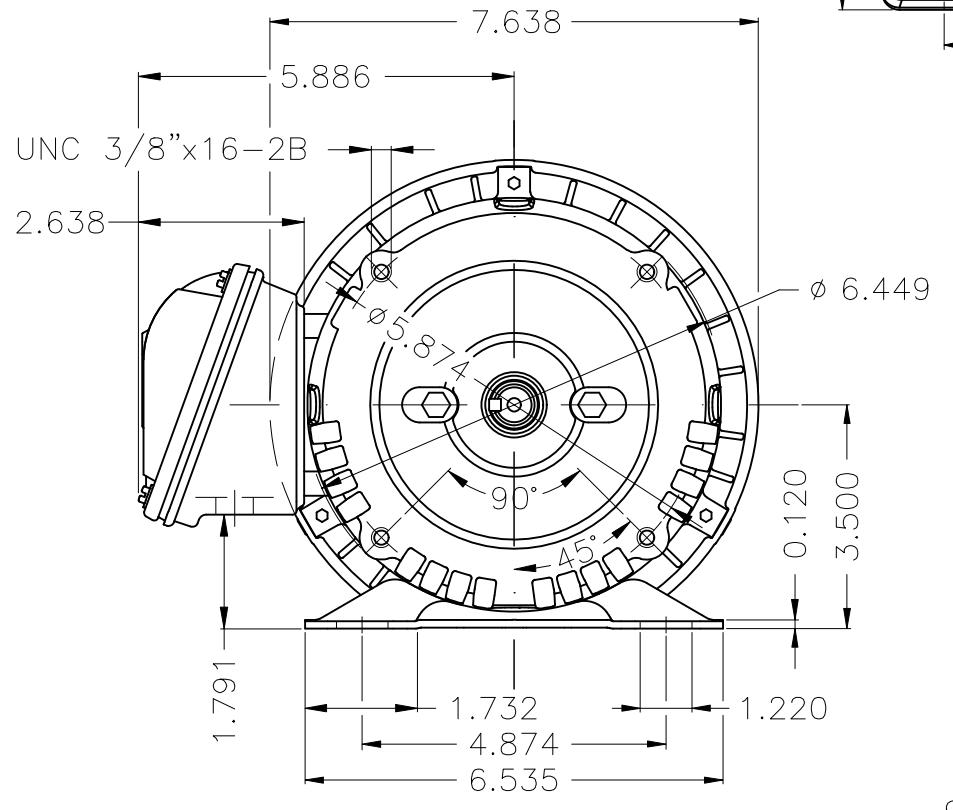
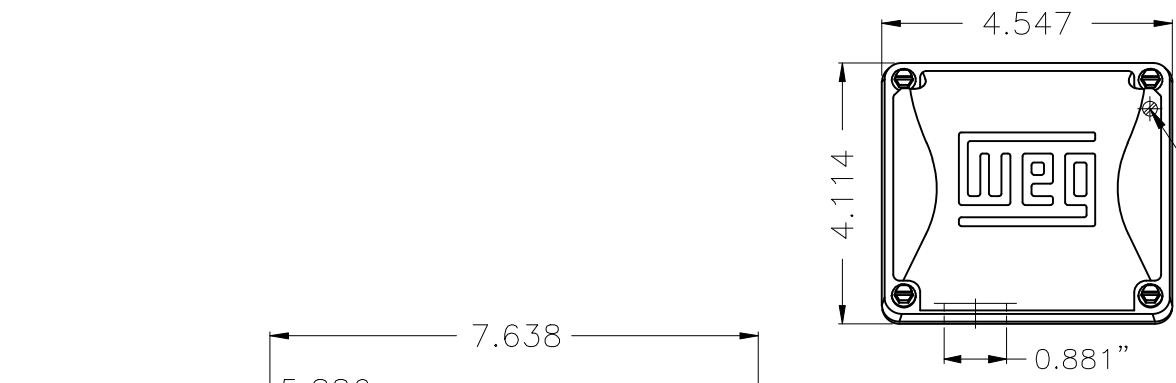
A

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					
CHECKED		FRAME 56C IP55 TEFC					
RELEASED							

HYBRISUSER					00
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0.75 HP 04 Poles 60 Hz

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

PREVIEW
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