

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer	:			
Product line	: Standard Efficiency Three-Phase	Product code : 12894831		
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 : 10.3 kg		
Protection degree	: IP55	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	Foundation loads		
Sealing	: V'Ring Without Bearing Seal	Max. traction : 24 kgf		
Lubrication interval	: - -	Max. compression : 35 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
Date	13/05/2022		1 / 2	

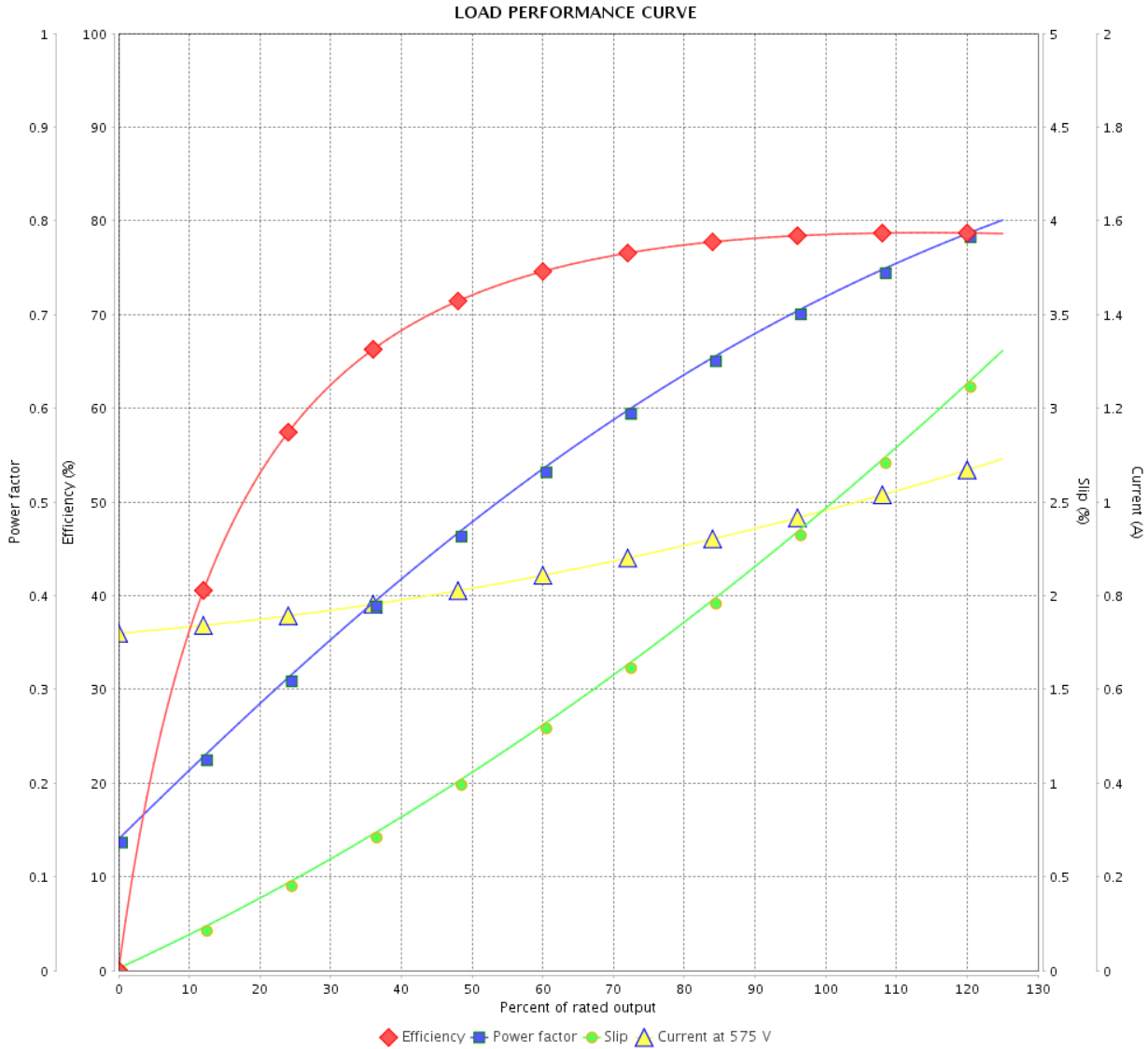
LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : Standard Efficiency Three-Phase Product code : 12894831



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
Performed by			Page 2 / 2	Revision
Checked by				
Date	13/05/2022			

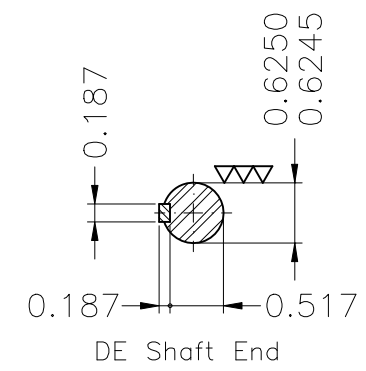
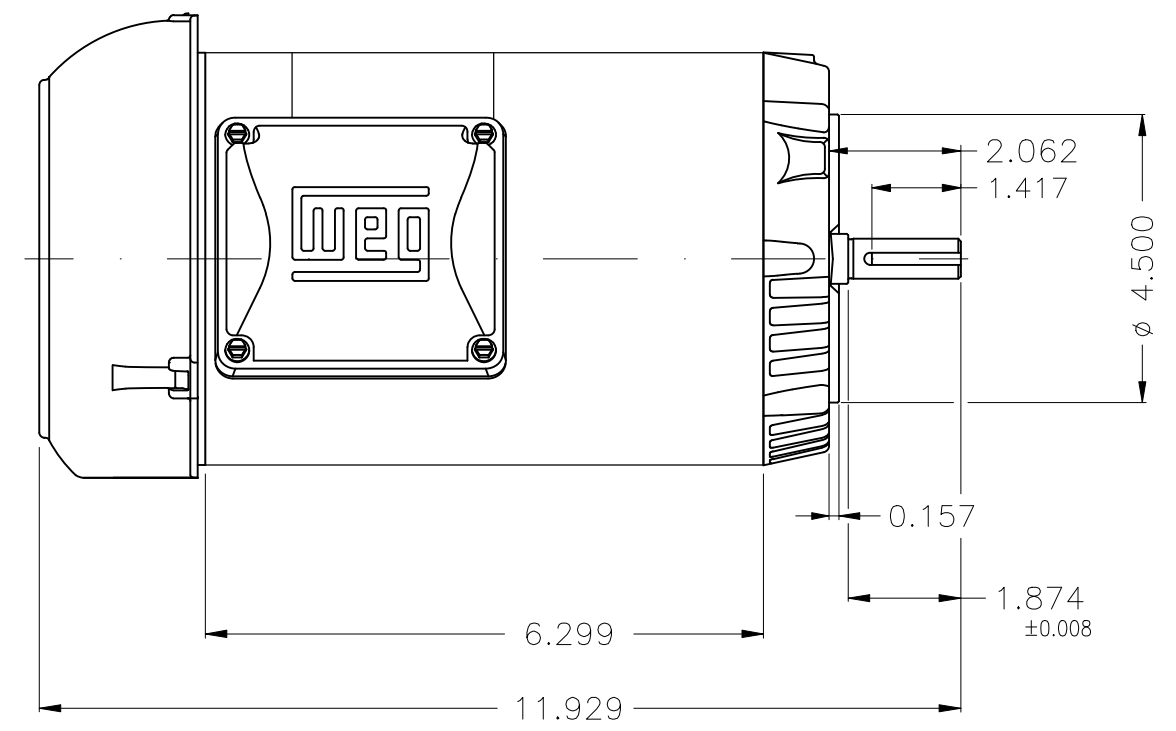
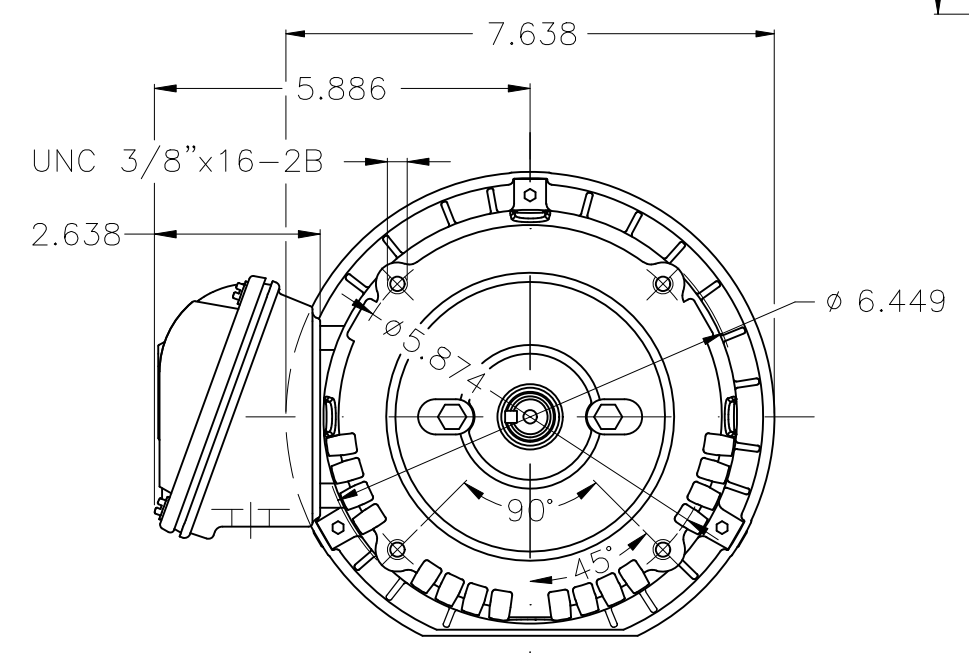
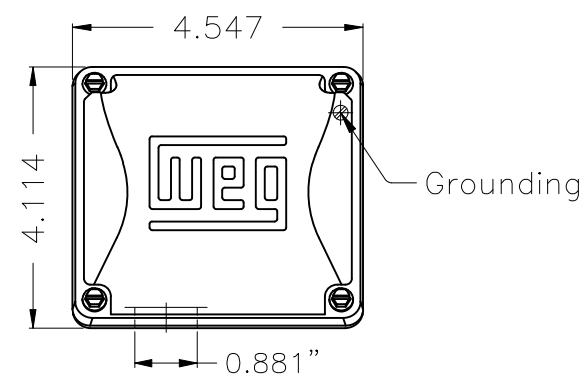
A

B

C

D

E



Color Munsell N 1 matte black
 Painting plan 207N
 Mounting F-1/B14R(D)

ECM	LOC	SUMMARY OF MODIFICATIONS	EXECUTED	CHECKED	RELEASED	DATE	VER
EXECUTED	HYBRISUSER	THREE PH. MOTOR ROLLED STEEL FRAME 56C IP55 TEFC					
CHECKED							
RELEASED							
REL. DATE	WMO	Jaragua do Sul	Product Engineering	WDD	00		

0.75 HP 04 Poles 60 Hz

A

HYBRISUSER 00

PREVIEW

WDD 00

SHEET 1 / 1