

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :				
Product line	: Premium Efficiency Three-Phase			
Product code :	14451786			
Frame	: W56C			
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	: 8.9 kg			
Moment of inertia (J)	: 0.0009 kgm ²			
Output [HP]	0.75			
Poles	2			
Frequency [Hz]	60			
Rated voltage [V]	575			
Rated current [A]	0.896			
L. R. Amperes [A]	7.26			
LRC [A]	8.1x(Code L)			
No load current [A]	0.498			
Rated speed [RPM]	3440			
Slip [%]	4.44			
Rated torque [kgfm]	0.158			
Locked rotor torque [%]	350			
Breakdown torque [%]	360			
Service factor	1.15			
Temperature rise	80 K			
Locked rotor time	28s (cold) 16s (hot)			
Noise level ²	65.0 dB(A)			
Efficiency (%)	25%			
	50%	70.0		
	75%	75.5		
	100%	77.0		
Power Factor	25%			
	50%	0.62		
	75%	0.74		
	100%	0.80		
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 : 13 kgf			
	Max. compression : 22 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	17/05/2022		1 / 2	

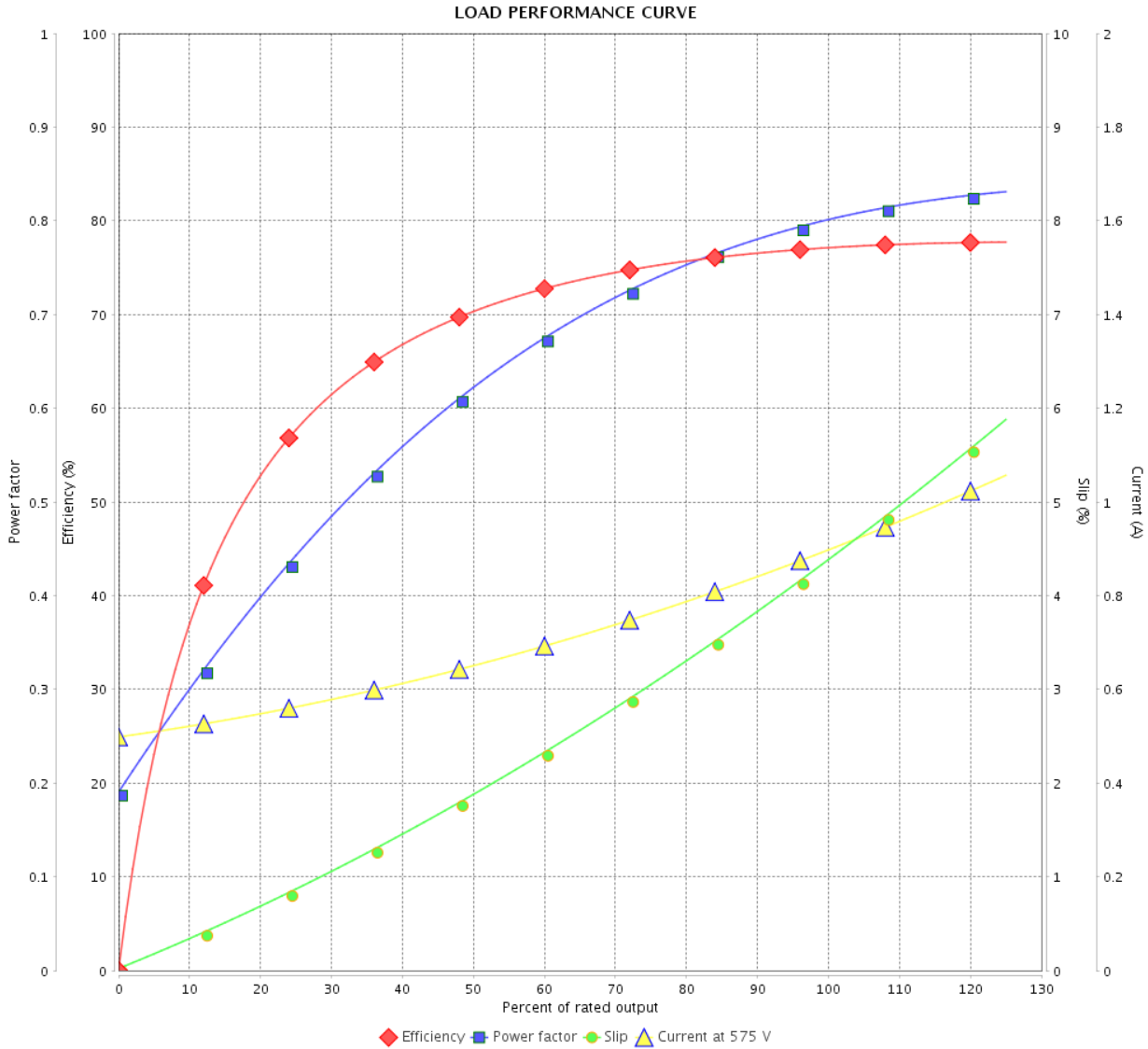
LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : Premium Efficiency Three-Phase Product code : 14451786



Performance : 575 V 60 Hz 2P

Rated current : 0.896 A
 LRC : 8.1
 Rated torque : 0.158 kgfm
 Locked rotor torque : 350 %
 Breakdown torque : 360 %
 Rated speed : 3440 rpm

Moment of inertia (J) : 0.0009 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	17/05/2022			

1 2 3 4 5 6

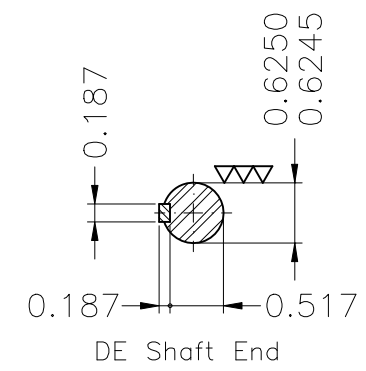
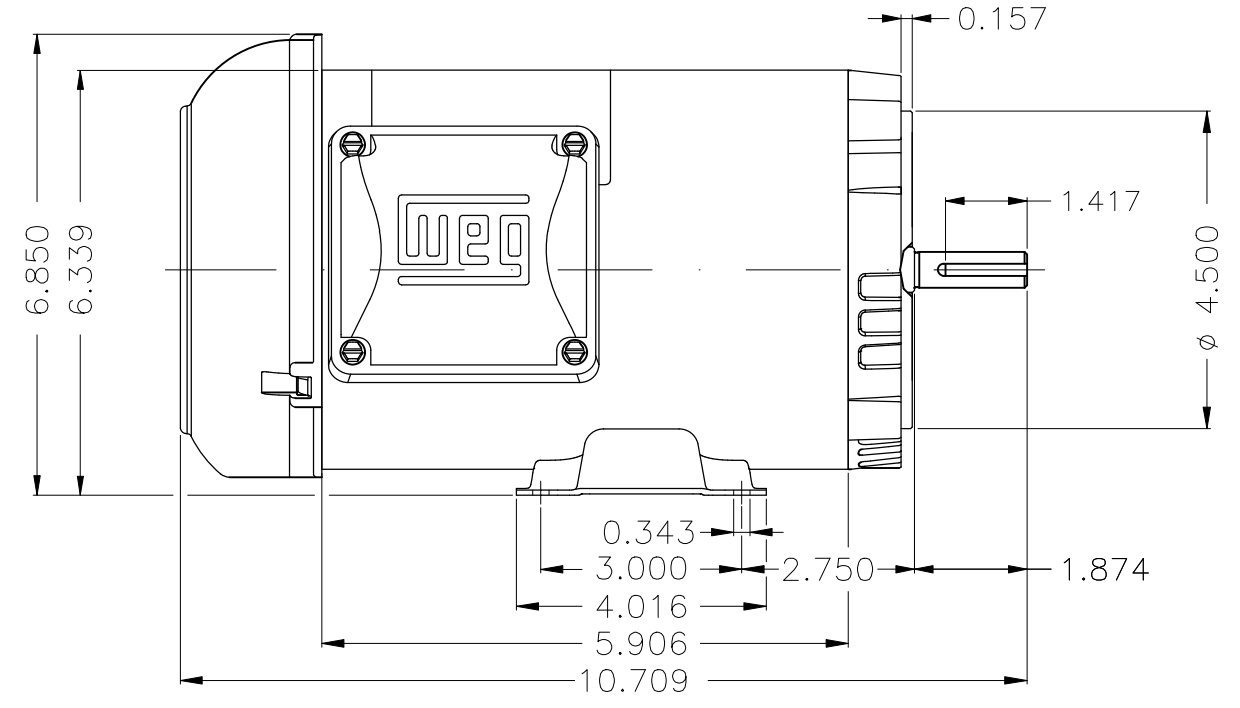
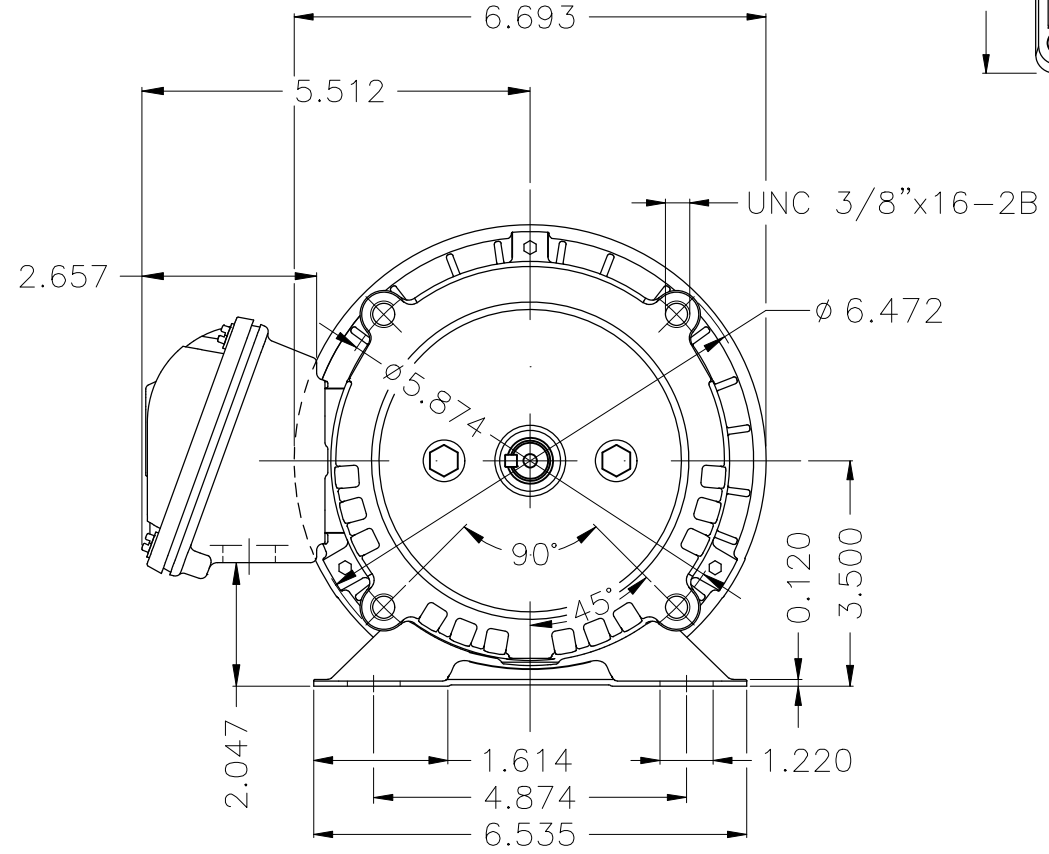
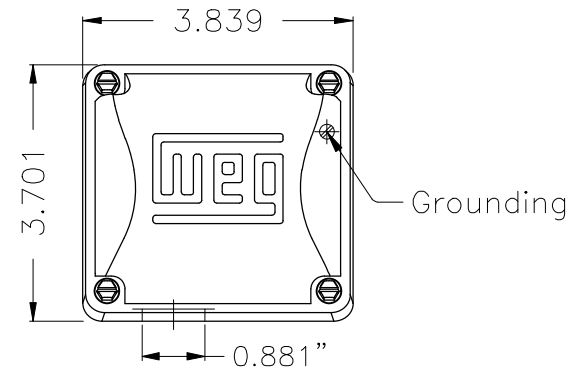
A

B

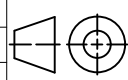
C

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 PREM. EFF. FRAME W56C IP55 TEFC					
CHECKED							
RELEASED							
REL. DATE	WMO	Jaragua do Sul	Product Engineering	HYBRISUSER	WDD	00	00

0.75 HP 02 Poles 60 Hz

A SHEET 1 / 1

