

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer	:			
Product line	: Premium Efficiency Three-Phase	Product code : 14451786		
Frame	: W56C	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 : 8.9 kg		
Protection degree	: IP55	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	Foundation loads		
Sealing	: V'Ring Without Bearing Seal	Max. traction : 13 kgf		
Lubrication interval	: - -	Max. compression : 22 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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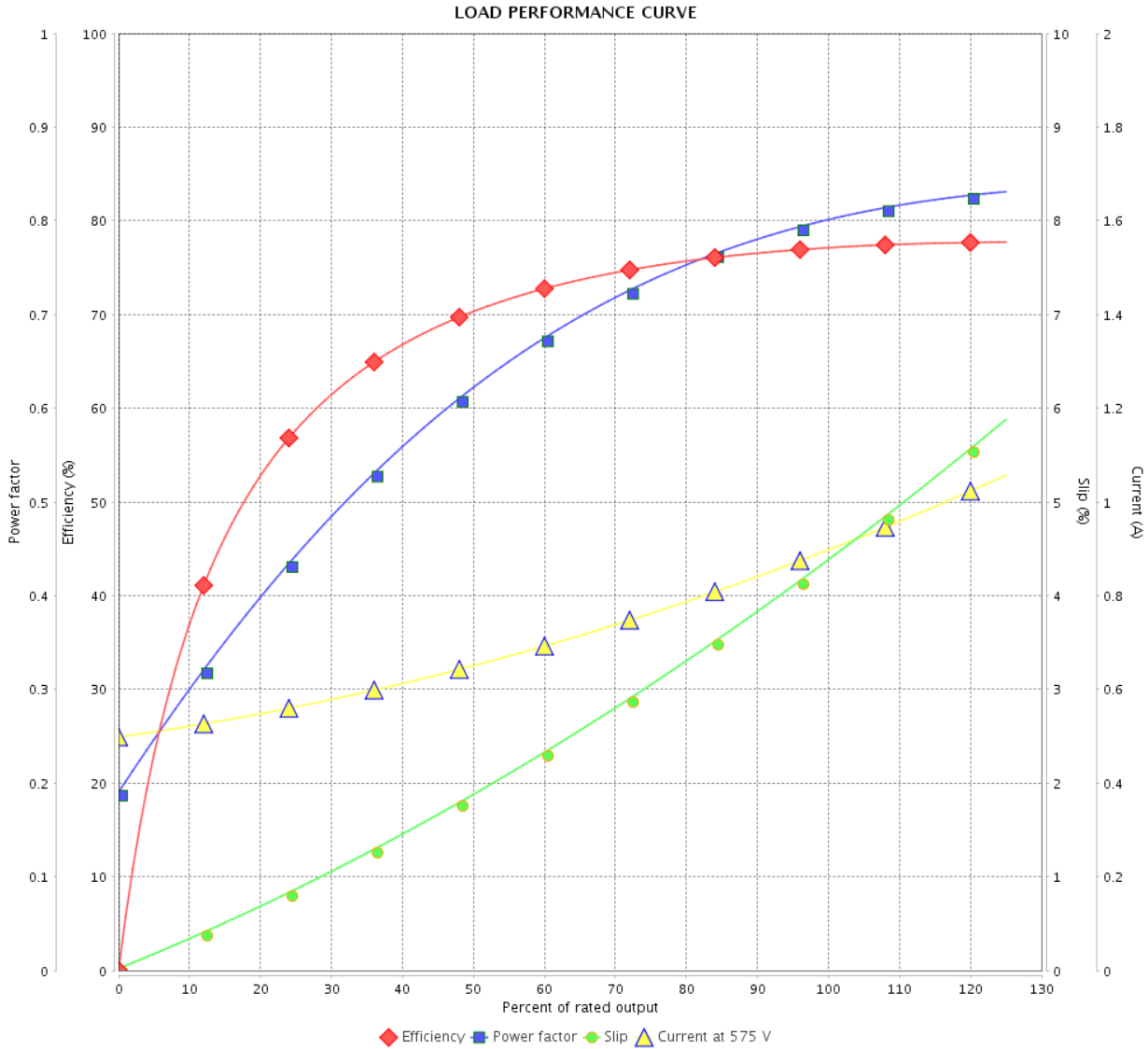
LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : 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

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Checked by				
Date	17/05/2022			

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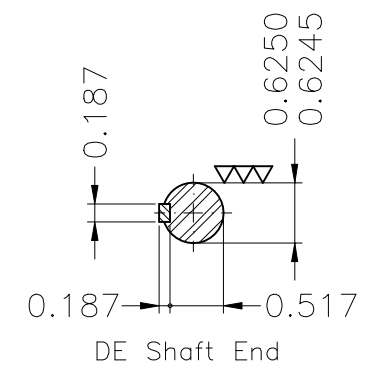
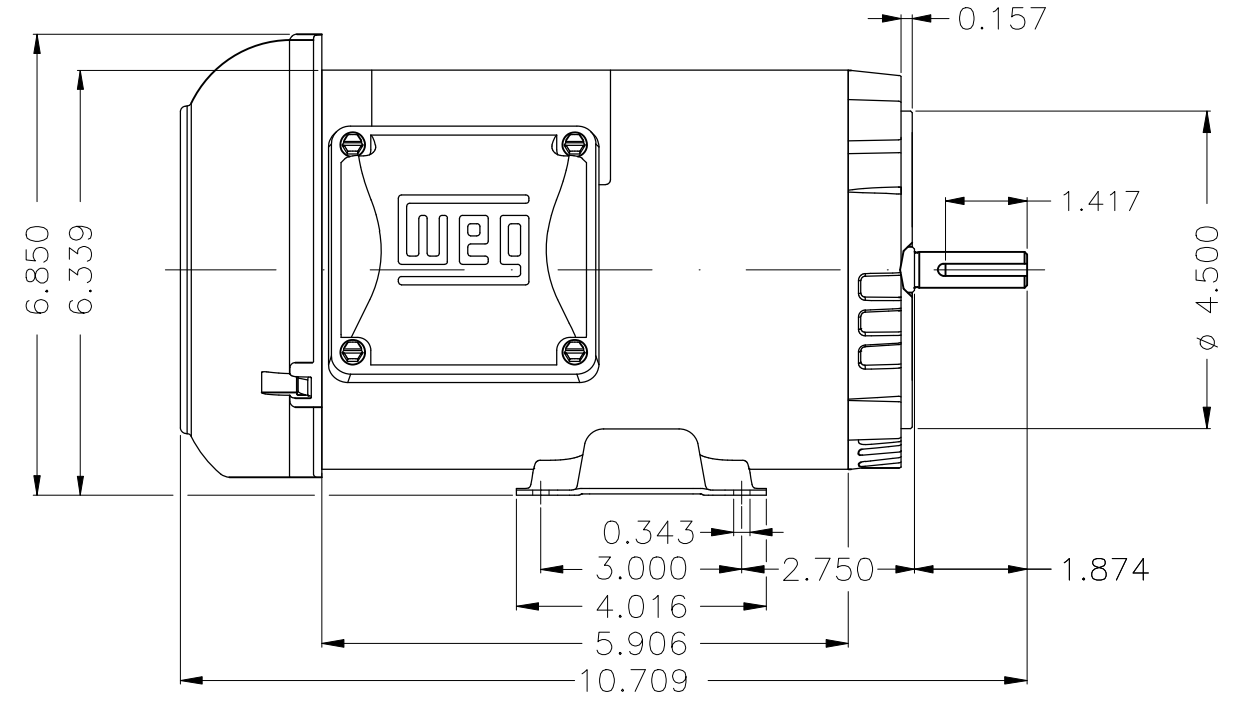
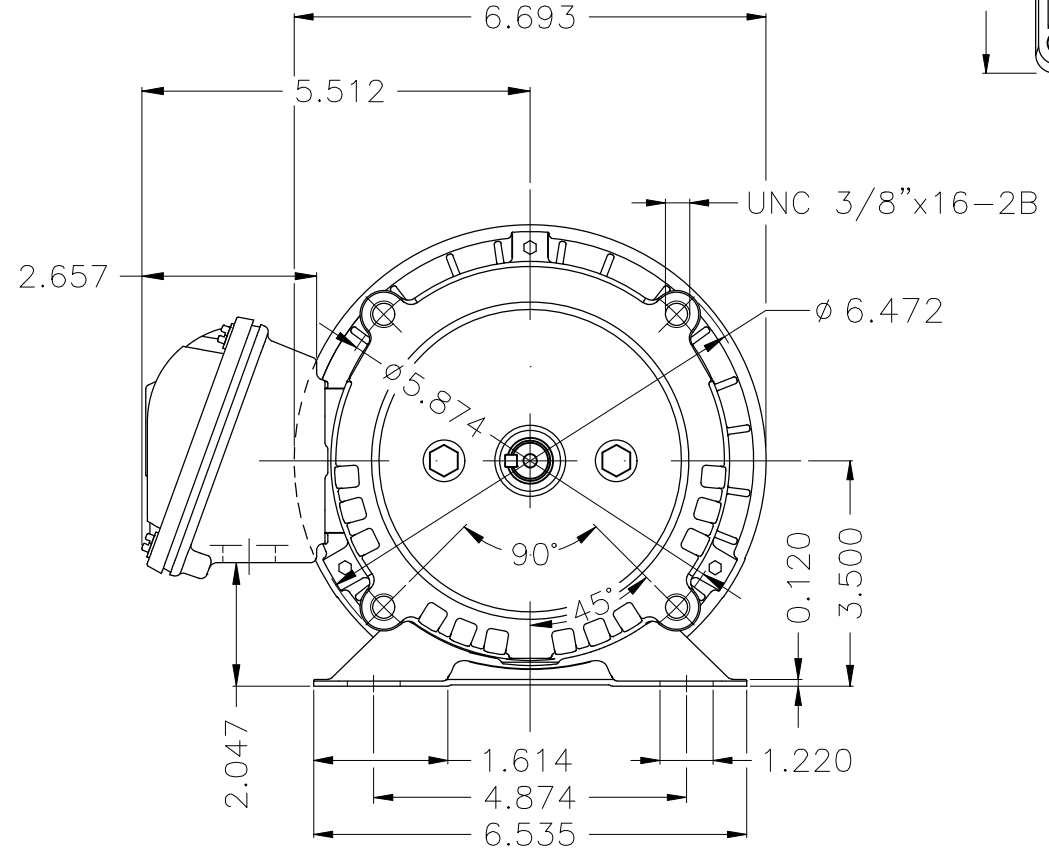
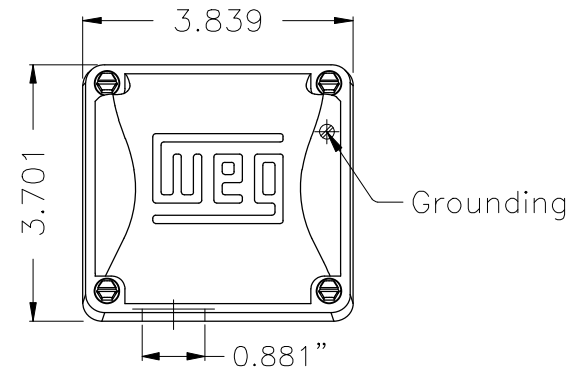
A

B

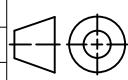
C

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	WDD	00		

0.75 HP 02 Poles 60 Hz

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