

DATA SHEET



Three Phase Induction Motor - Squirrel Cage

Customer	:			
Product line	: NEMA Premium Efficiency Three-Phase	Product code : 12795531		
Frame	: 213/5T	Cooling method : IC01 - ODP		
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 : 57.1 kg		
Design	: B	Moment of inertia (J) : 0.0455 kgm ²		
Output [HP]		5		
Poles		6		
Frequency [Hz]		60		
Rated voltage [V]		575		
Rated current [A]		5.39		
L. R. Amperes [A]		31.8		
LRC [A]		5.9x(Code H)		
No load current [A]		2.84		
Rated speed [RPM]		1175		
Slip [%]		2.08		
Rated torque [kgfm]		3.09		
Locked rotor torque [%]		220		
Breakdown torque [%]		250		
Service factor		1.15		
Temperature rise		80 K		
Locked rotor time		52s (cold) 29s (hot)		
Noise level ²		55.0 dB(A)		
Efficiency (%)	25%	88.3		
	50%	88.5		
	75%	89.5		
	100%	89.5		
Power Factor	25%	0.34		
	50%	0.58		
	75%	0.70		
	100%	0.77		
Bearing type	: <u>Drive end</u> 6208 ZZ <u>Non drive end</u> 6206 ZZ	Foundation loads		
Sealing	: Without Without Bearing Seal Bearing Seal	Max. traction : 114 kgf Max. compression : 171 kgf		
Lubrication interval	: - -			
Lubricant amount	: - -			
Lubricant type	: Mobil Polyrex EM			
Notes				
<p>This revision replaces and cancel the previous one, which must be eliminated.</p> <p>(1) Looking the motor from the shaft end.</p> <p>(2) Measured at 1m and with tolerance of +3dB(A).</p> <p>(3) Approximate weight subject to changes after manufacturing process.</p> <p>(4) At 100% of full load.</p>		<p>These are average values based on tests with sinusoidal power supply, subject to the tolerances stipulated in NEMA MG-1.</p>		
Rev.	Changes Summary	Performed	Checked	Date
Performed by				
Checked by			Page	Revision
Date	17/05/2022		1 / 2	

LOAD PERFORMANCE CURVE

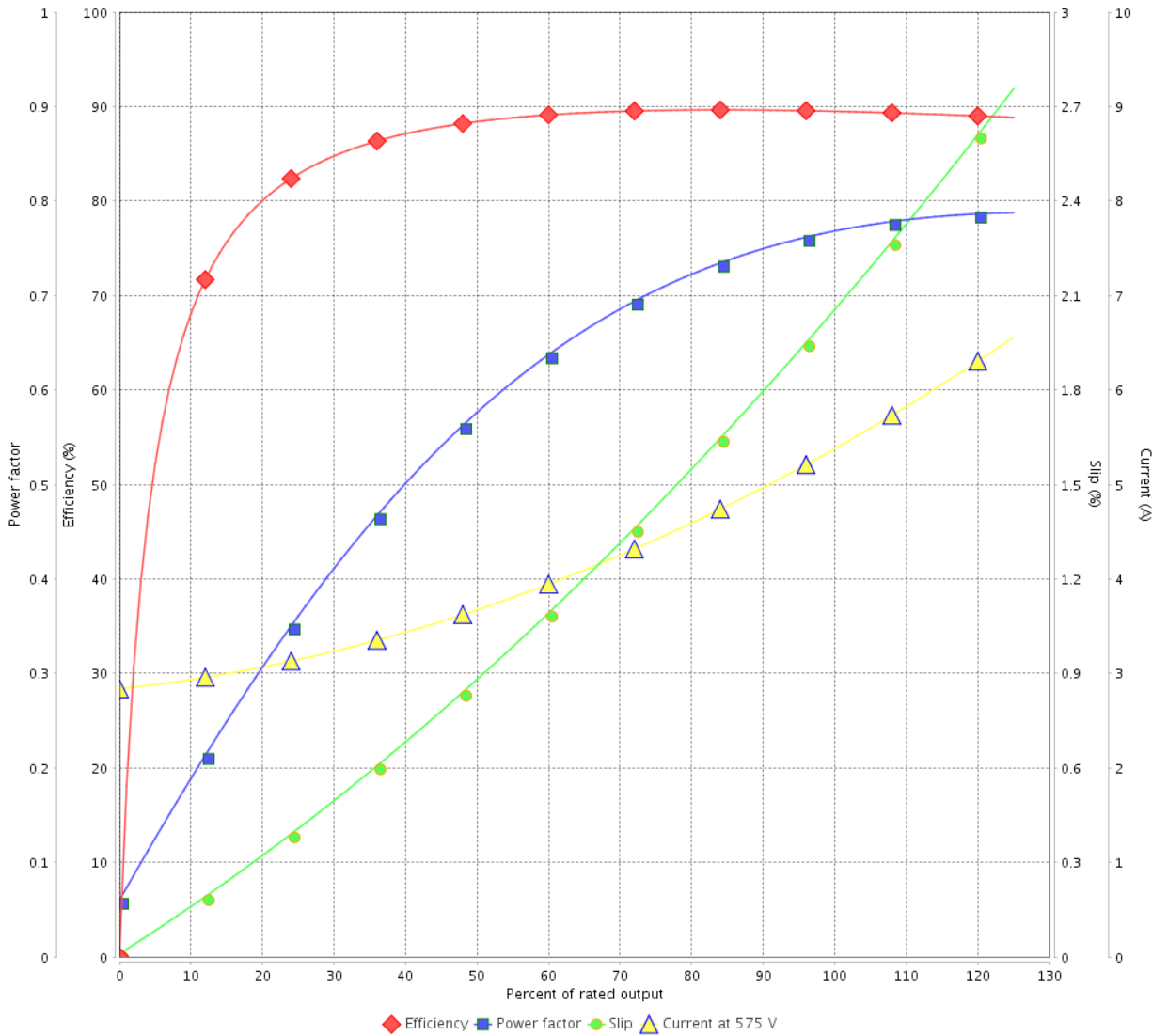
Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : NEMA Premium Efficiency Three-Phase Product code : 12795531

LOAD PERFORMANCE CURVE



Performance : 575 V 60 Hz 6P

Rated current	: 5.39 A	Moment of inertia (J)	: 0.0455 kgm ²
LRC	: 5.9	Duty cycle	: Cont.(S1)
Rated torque	: 3.09 kgfm	Insulation class	: F
Locked rotor torque	: 220 %	Service factor	: 1.15
Breakdown torque	: 250 %	Temperature rise	: 80 K
Rated speed	: 1175 rpm	Design	: B

Rev.	Changes Summary	Performed	Checked	Date
Performed by			Page 2 / 2	Revision
Checked by				
Date	17/05/2022			

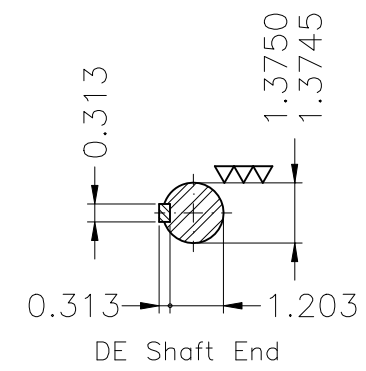
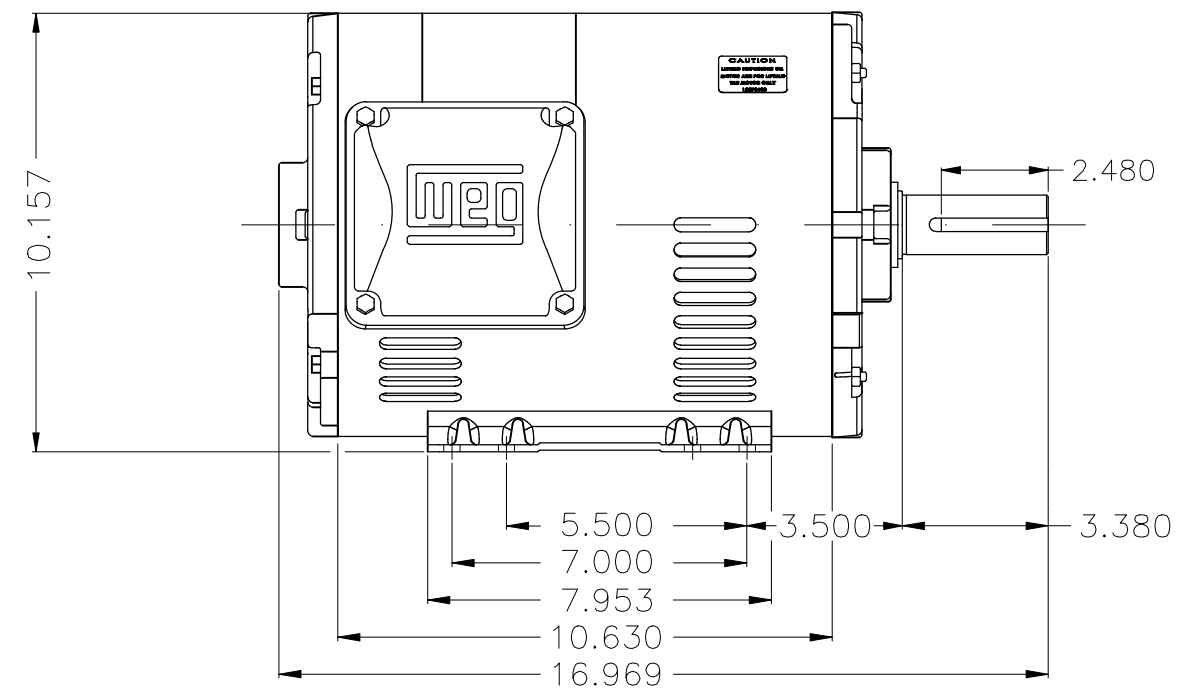
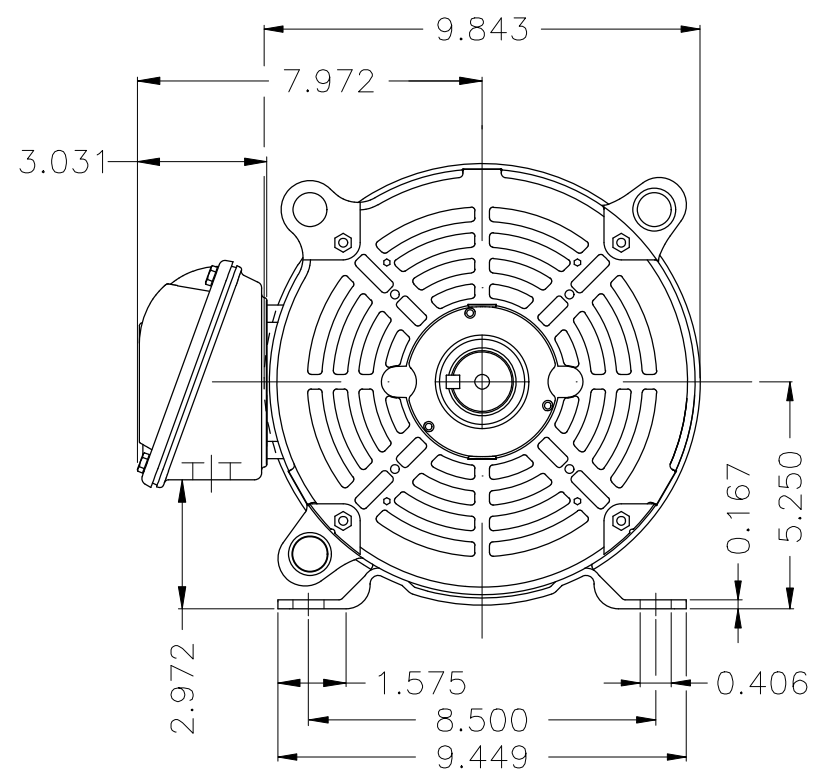
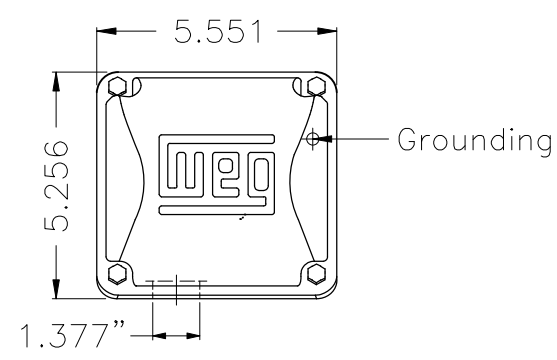
A

B

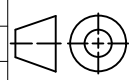
C

D

E



Color Munsell N 1 matte black
 Painting plan 207N
 Mounting F-1/B3R(D)

ECM	LOC	SUMMARY OF MODIFICATIONS	EXECUTED	CHECKED	RELEASED	DATE	VER
EXECUTED	HYBRISUSER	 THREE PH. MOTOR ROLLED STEEL NEMA PREM. EFF. FRAME 213/5T IP21 ODP					
CHECKED							
RELEASED							
REL. DATE	WMO	Jaragua do Sul	Product Engineering	HYBRISUSER			00

5 HP 06 Poles 60 Hz

