

DATA SHEET



Three Phase Induction Motor - Squirrel Cage

Customer :				
Product line	: NEMA Premium Efficiency Three-Phase			
Product code :	12845468			
Catalog # :	00718ET3P213T-S			
Frame : 213/5T Output : 7.5 HP (5.5 kW) Poles : 4 Frequency : 60 Hz Rated voltage : 200 V Rated current : 20.9 A L. R. Amperes : 152 A LRC : 7.3x(Code H) No load current : 10.1 A Rated speed : 1770 rpm Slip : 1.67 % Rated torque : 22.3 ft.lb Locked rotor torque : 260 % Breakdown torque : 300 % Insulation class : F Service factor : 1.15 Moment of inertia (J) : 0.9380 sq.ft.lb Design : B	Locked rotor time : 39s (cold) 22s (hot) Temperature rise : 80 K 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) Noise level ² : 60.0 dB(A) Starting method : Direct On Line Approx. weight ³ : 121 lb			
Output	25% 50% 75% 100%			
Efficiency (%)	89.4 90.2 91.0 91.7			
Power Factor	0.39 0.64 0.76 0.82			
Foundation loads				
Max. traction : 316 lb				
Max. compression : 437 lb				
Bearing type	: <u>Drive end</u> 6208 ZZ <u>Non drive end</u> 6206 ZZ			
Sealing	: V'Ring Without Bearing Seal			
Lubrication interval	: - -			
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.				
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Checked by			Page	Revision
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TORQUE AND CURRENT VS SPEED CURVE

Three Phase Induction Motor - Squirrel Cage



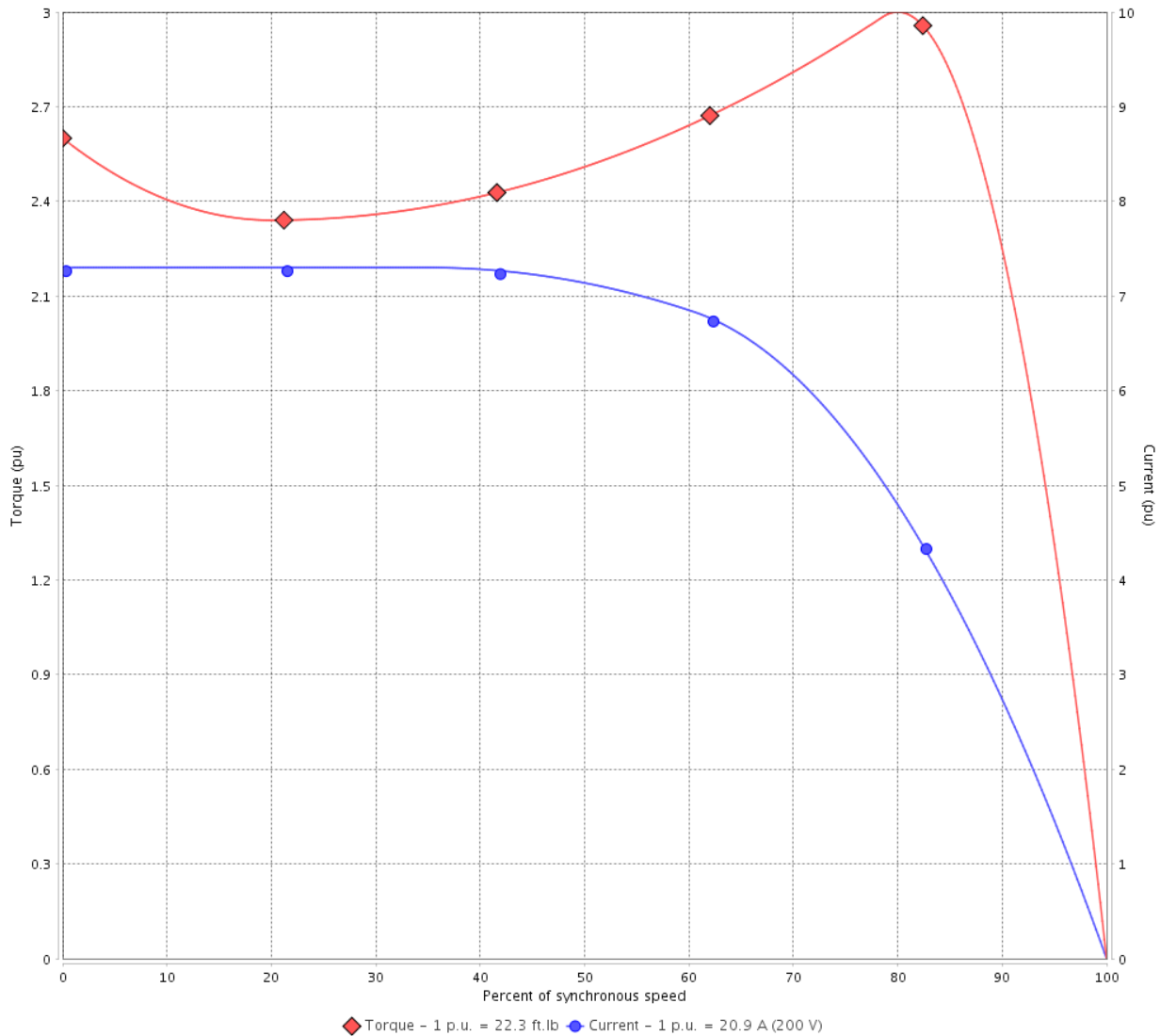
Customer :

Product line : NEMA Premium Efficiency Three-Phase

Product code : 12845468

Catalog # : 00718ET3P213T-S

TORQUE AND CURRENT VS SPEED CURVE



Performance : 200 V 60 Hz 4P

Rated current	: 20.9 A	Moment of inertia (J)	: 0.9380 sq.ft.lb
LRC	: 7.3	Duty cycle	: Cont.(S1)
Rated torque	: 22.3 ft.lb	Insulation class	: F
Locked rotor torque	: 260 %	Service factor	: 1.15
Breakdown torque	: 300 %	Temperature rise	: 80 K
Rated speed	: 1770 rpm	Design	: B

Locked rotor time : 39s (cold) 22s (hot)

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LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage

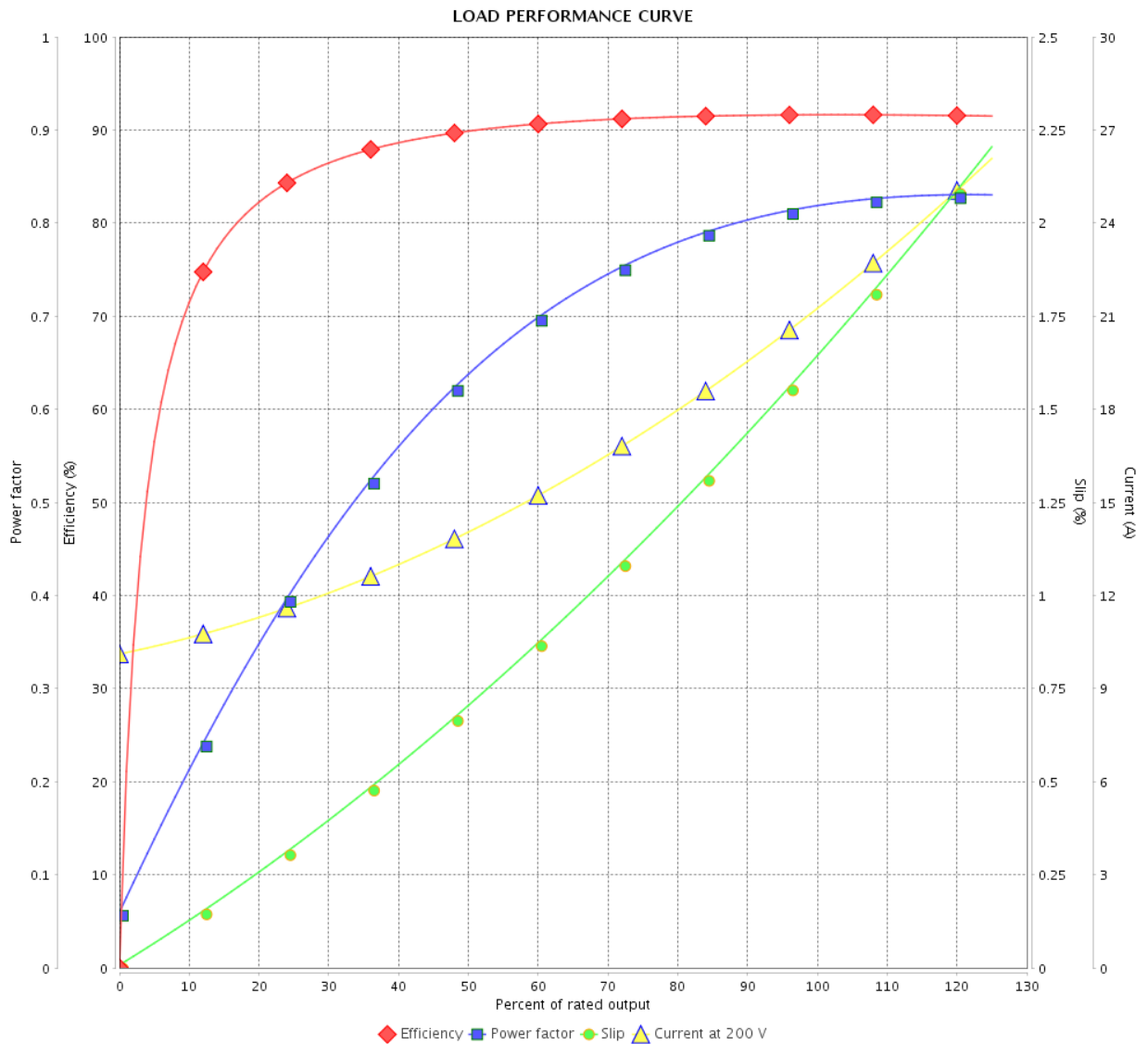


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 Breakdown torque : 300 %
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 Duty cycle : Cont.(S1)
 Insulation class : F
 Service factor : 1.15
 Temperature rise : 80 K
 Design : B

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THERMAL LIMIT CURVE

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Rated speed	: 1770 rpm	Design	: B

Heating constant

Cooling constant

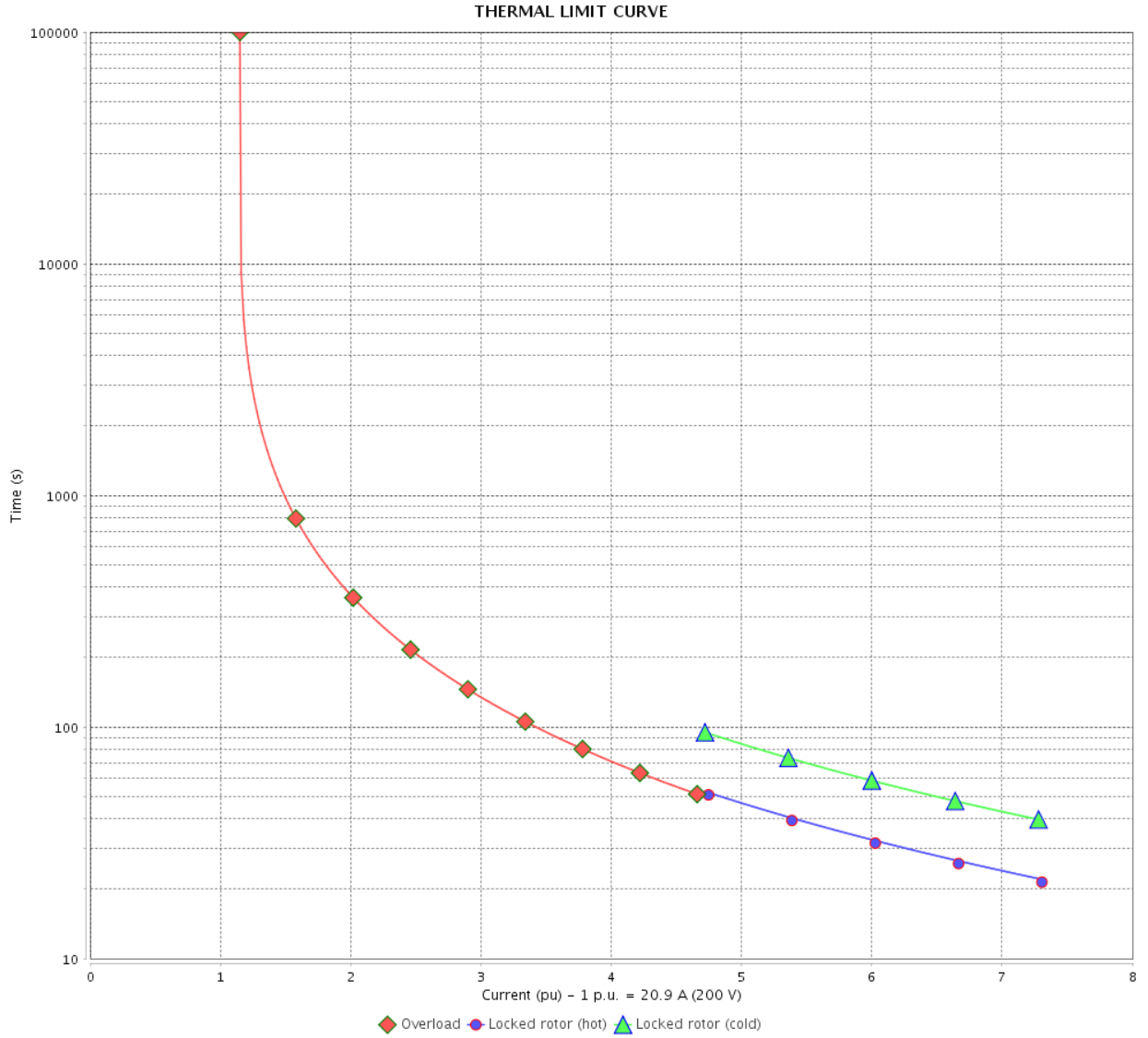
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THERMAL LIMIT CURVE

Three Phase Induction Motor - Squirrel Cage



Customer : _____



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VFD OPERATION CURVE

Three Phase Induction Motor - Squirrel Cage

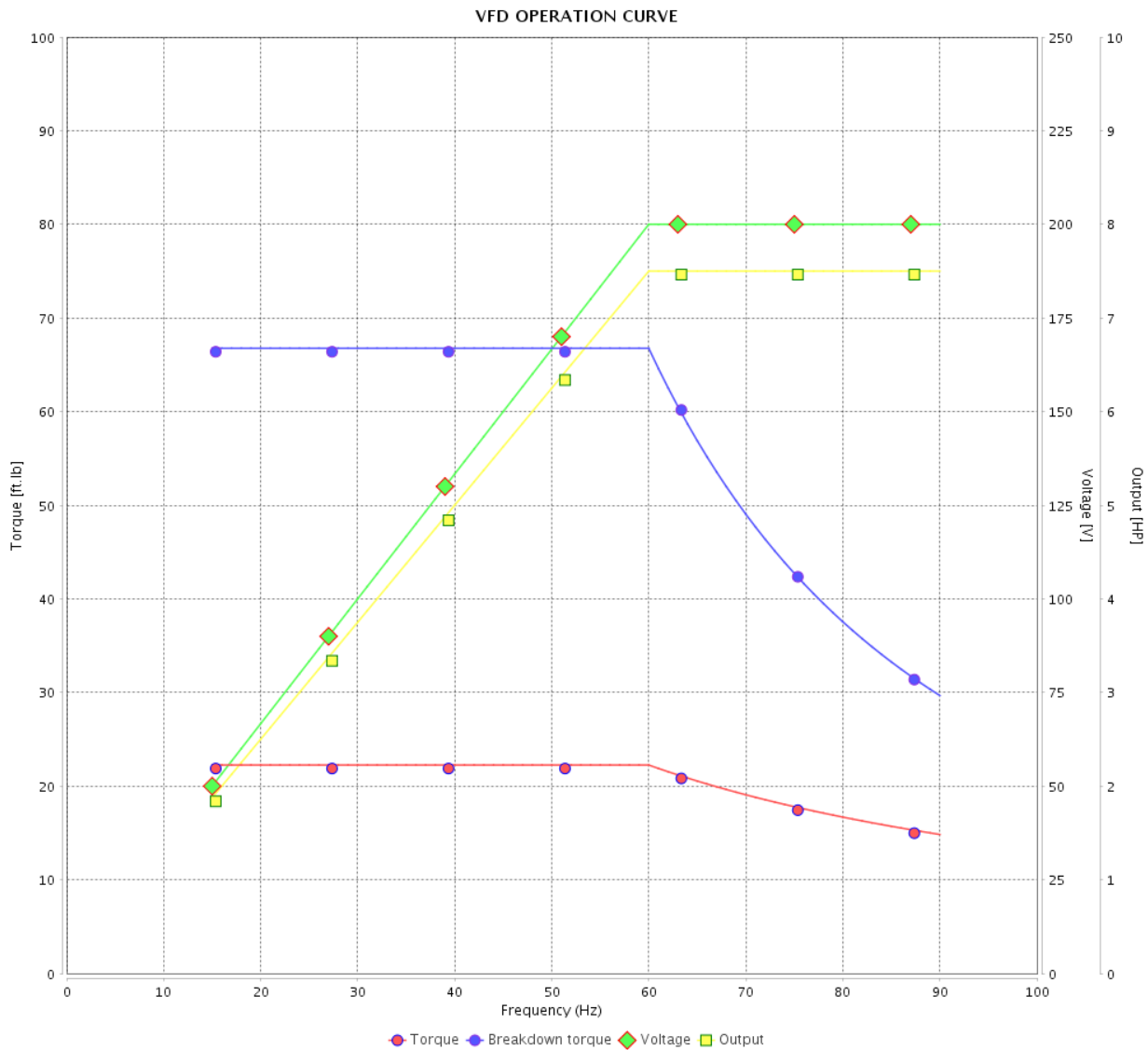


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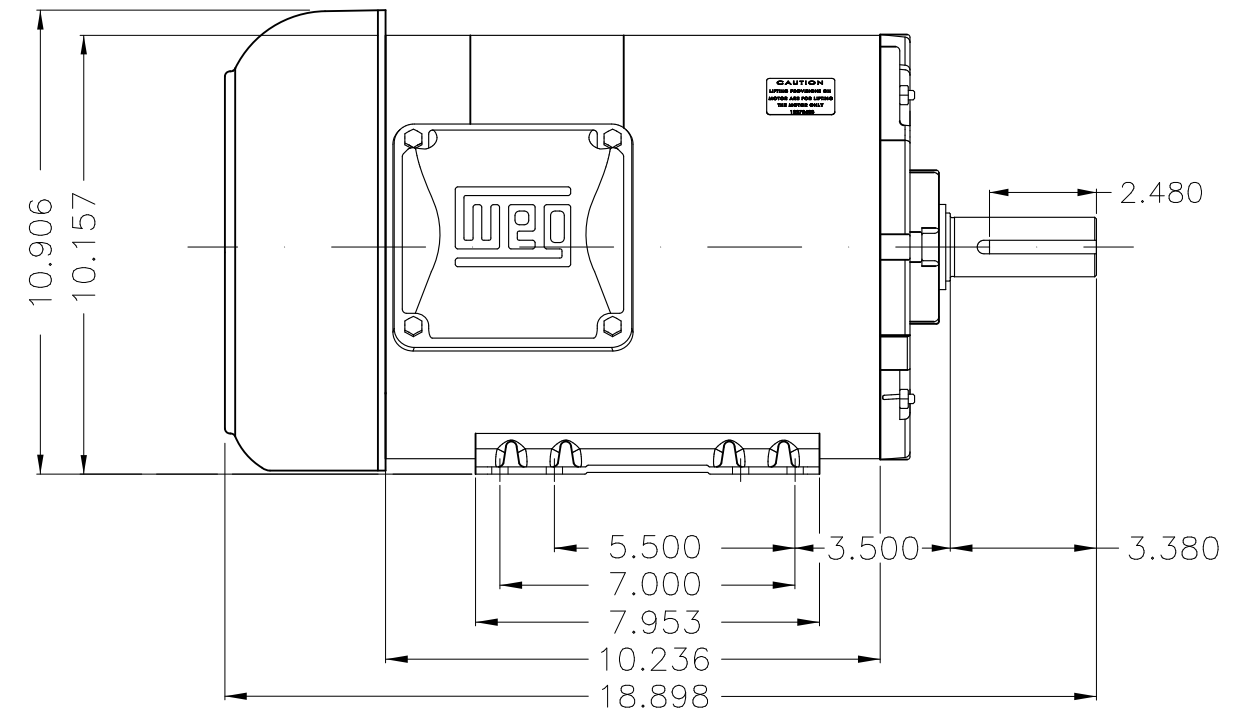
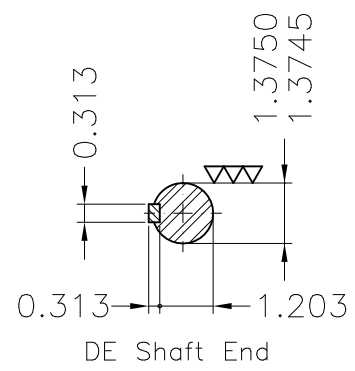
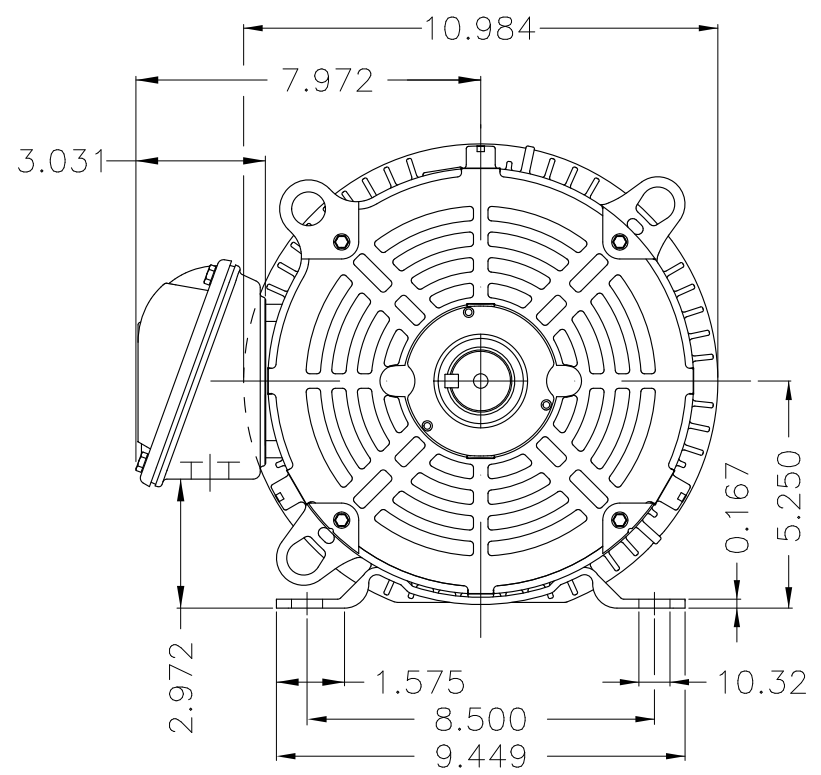
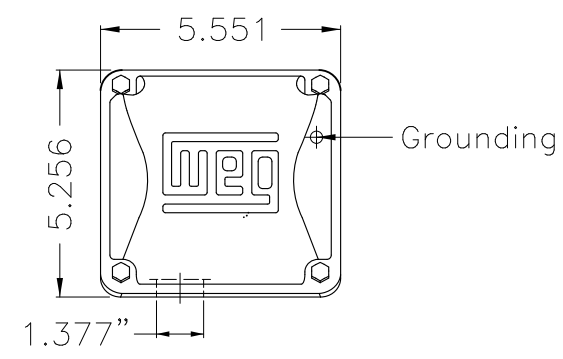
A

B

C

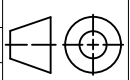
D

E



Dimensions in inches

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	PIRWBUSER	 THREE PH. MOTOR ROLLED STEEL PREM. EFF. FRAME 213/5T IP55 TEFC					
CHECKED							
RELEASED							
REL DT.	WMO	Jaragua do Sul	Product Engineering	SHEET 1 / 1			

7.5 HP 04 Poles 60 Hz

A

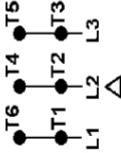
PREVIEW
WDD



XME A3

WEG
NEMA
Premium

MADE IN MEXICO

MAT: 12845468 CC029A
W01.TE0IC0X0N
MODEL 00718ET3P213T-S
04MAR2019 S/N:**PH 3 FR 213/5T |HP(kw) 7.5(5.5)****V 200****RPM 1770****Hz 60****A 20.9****DUTY CONT.****SFA 24.0****CODE H DES B IP55****SF 1.15 |INS CL F ΔT 80K AMB 40°C ENCL TEFC****ALT 1000 m.a.s.l. |NEMA NOM.EFF. 91.7% |PF 0.82****ALTERNATE RATING:****T1-BLU T2-WHT**
T3-ORG T4-YEL
T5-BLK T6-GRY**INTERCHANGE ANY TWO LINE WIRES TO REVERSE THE ROTATION****For safe area-inverter duty For use on VPWM 1000:1 VT, 4:1 CT****DE: 6208-ZZ ODE: 6206-ZZ MOBIL POLYREX EM****WARNING: Motor must be grounded in accordance with local and national electrical codes to prevent serious electrical shocks. Disconnect power source before servicing unit.****AVERTISSEMENT: Le moteur doit être mis à la terre conformément aux codes électriques locaux et nationaux afin d'éviter tout choc électrique grave. Déconnectez l'alimentation avant l'entretien de la machine.****UL**
C US LISTED
FOR SAFE AREA**SP**
C US

Energy Verified

For 60Hz: Class I, Zone 2, IIC
Class I, Div.2, Gr. A,B,C,D - T3
Div 2 Inverter Duty (SF1.00)
CT 2:1/VT 1000:1