

DATA SHEET



Three Phase Induction Motor - Squirrel Cage

Customer :				
Product line	: NEMA Premium Efficiency Three-Phase			
Product code :	12795530			
Catalog # :	00312OT3H213T-S			
Frame : 213/5T Output : 3 HP (2.2 kW) Poles : 6 Frequency : 60 Hz Rated voltage : 575 V Rated current : 3.33 A L. R. Amperes : 19.6 A LRC : 5.9x(Code H) No load current : 1.83 A Rated speed : 1175 rpm Slip : 2.08 % Rated torque : 13.4 ft.lb Locked rotor torque : 210 % Breakdown torque : 260 % Insulation class : F Service factor : 1.15 Moment of inertia (J) : 0.8104 sq.ft.lb Design : B	Locked rotor time : 70s (cold) 39s (hot) Temperature rise : 80 K Duty cycle : Cont.(S1) Ambient temperature : -20°C to +40°C Altitude : 1000 m.a.s.l. Cooling method : IC01 - ODP Mounting : F-1 Rotation ¹ : Both (CW and CCW) Noise level ² : 55.0 dB(A) Starting method : Direct On Line Approx. weight ³ : 105 lb			
Output	25% 50% 75% 100%			
Efficiency (%)	85.4 86.5 87.5 88.5			
Power Factor	0.33 0.56 0.68 0.75			
Foundation loads				
Max. traction	: 144 lb			
Max. compression	: 249 lb			
Bearing type	: <u>Drive end</u> 6208 ZZ <u>Non drive end</u> 6206 ZZ			
Sealing	: Without Bearing Seal 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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TORQUE AND CURRENT VS SPEED CURVE

Three Phase Induction Motor - Squirrel Cage



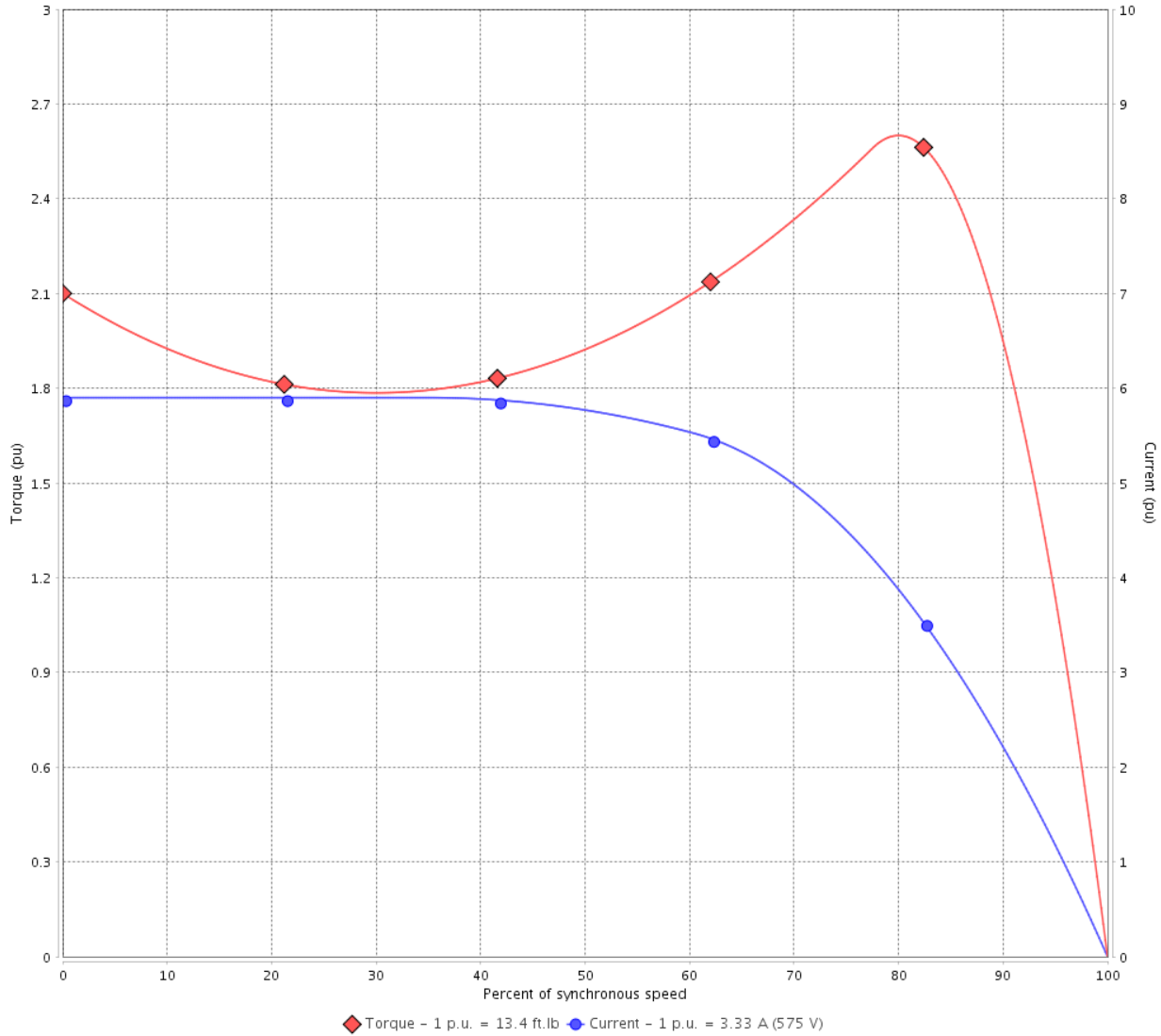
Customer :

Product line : NEMA Premium Efficiency Three-Phase

Product code : 12795530

Catalog # : 003120T3H213T-S

TORQUE AND CURRENT VS SPEED CURVE



Performance : 575 V 60 Hz 6P

Rated current	: 3.33 A	Moment of inertia (J)	: 0.8104 sq.ft.lb
LRC	: 5.9	Duty cycle	: Cont.(S1)
Rated torque	: 13.4 ft.lb	Insulation class	: F
Locked rotor torque	: 210 %	Service factor	: 1.15
Breakdown torque	: 260 %	Temperature rise	: 80 K
Rated speed	: 1175 rpm	Design	: B

Locked rotor time : 70s (cold) 39s (hot)

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LOAD PERFORMANCE CURVE

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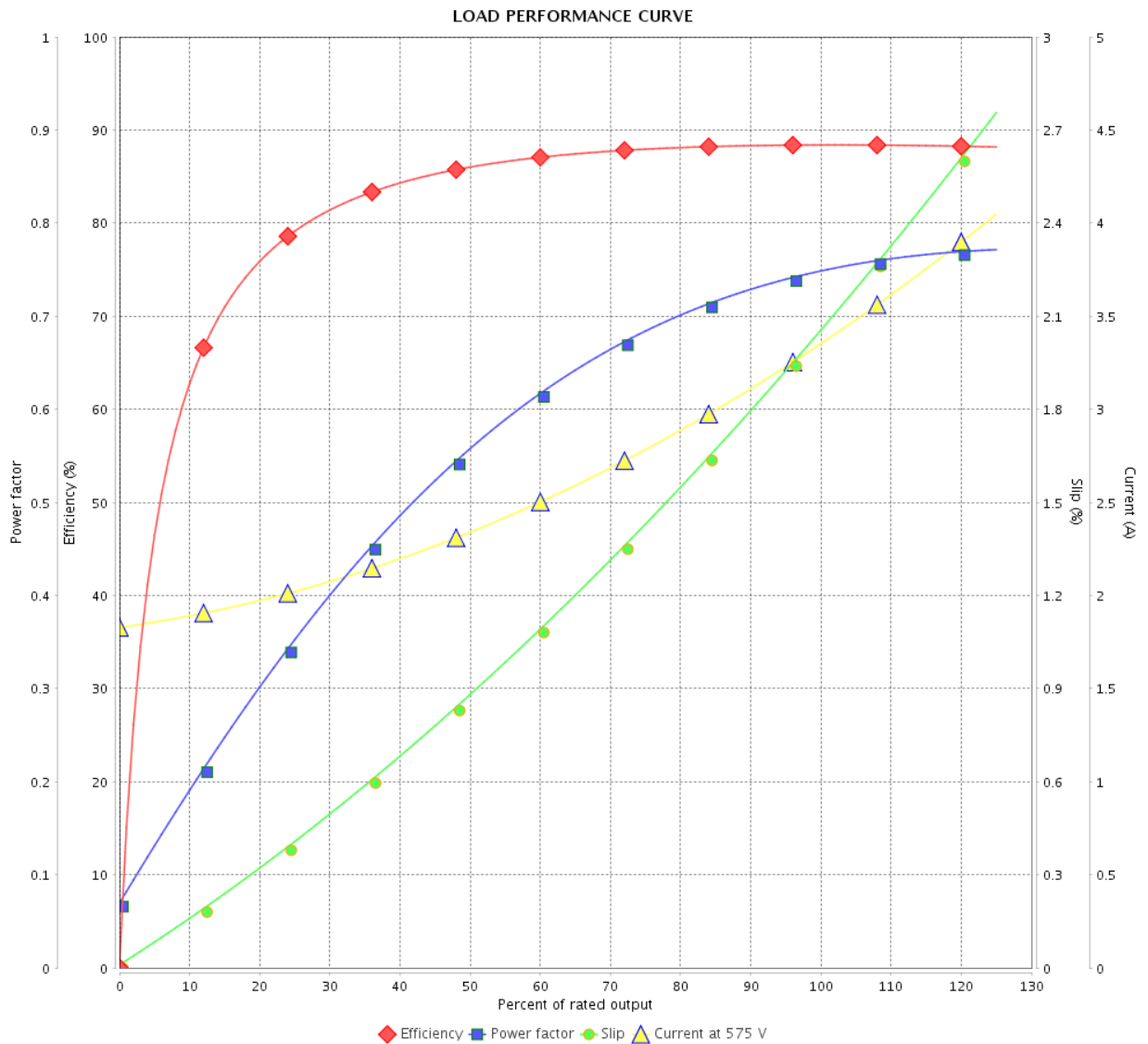


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Product line : NEMA Premium Efficiency Three-Phase

Product code : 12795530

Catalog # : 00312OT3H213T-S



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 LRC : 5.9
 Rated torque : 13.4 ft.lb
 Locked rotor torque : 210 %
 Breakdown torque : 260 %
 Rated speed : 1175 rpm

Moment of inertia (J) : 0.8104 sq.ft.lb
 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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Heating constant

Cooling constant

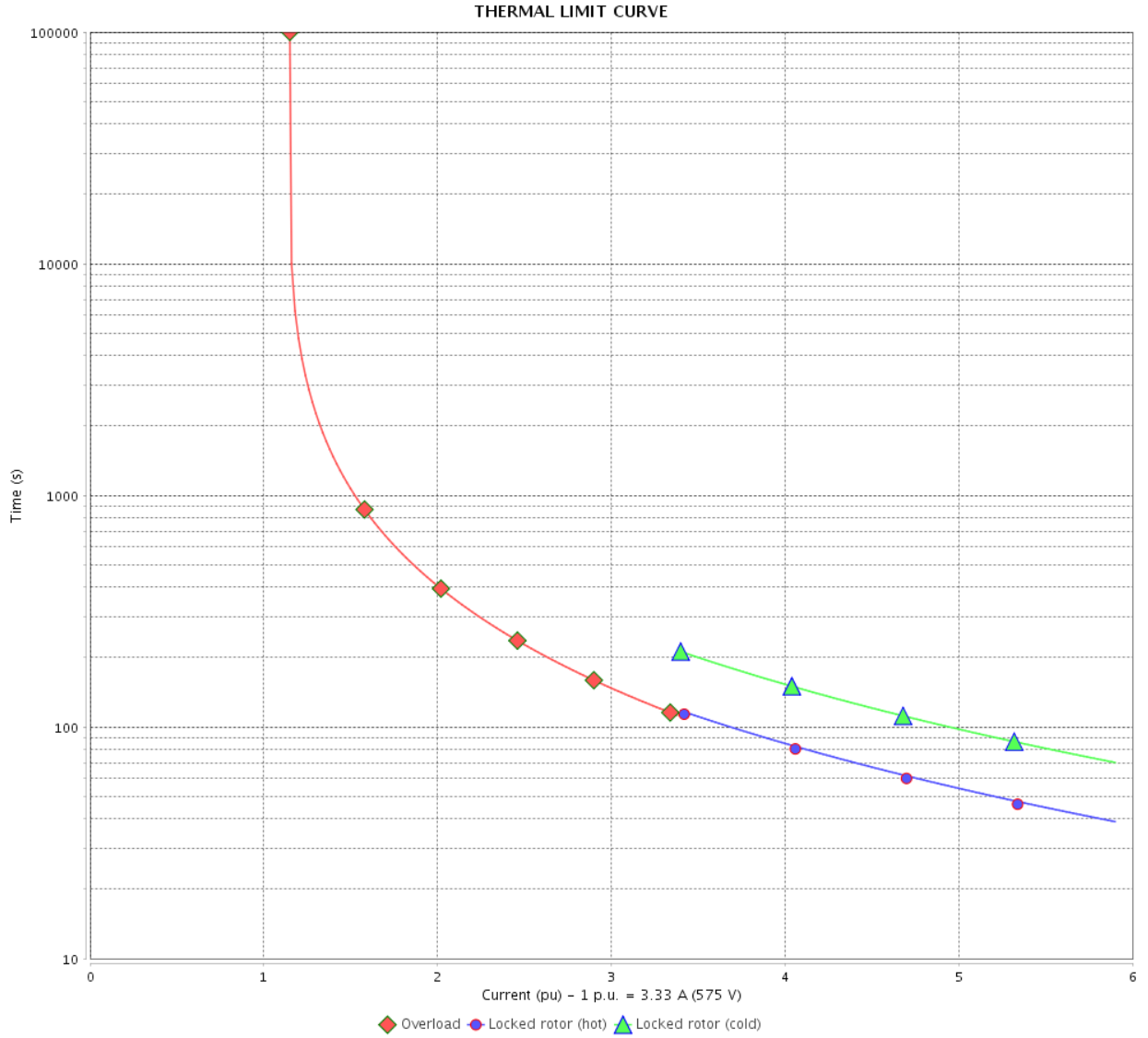
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THERMAL LIMIT CURVE

Three Phase Induction Motor - Squirrel Cage



Customer : _____



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VFD OPERATION CURVE

Three Phase Induction Motor - Squirrel Cage

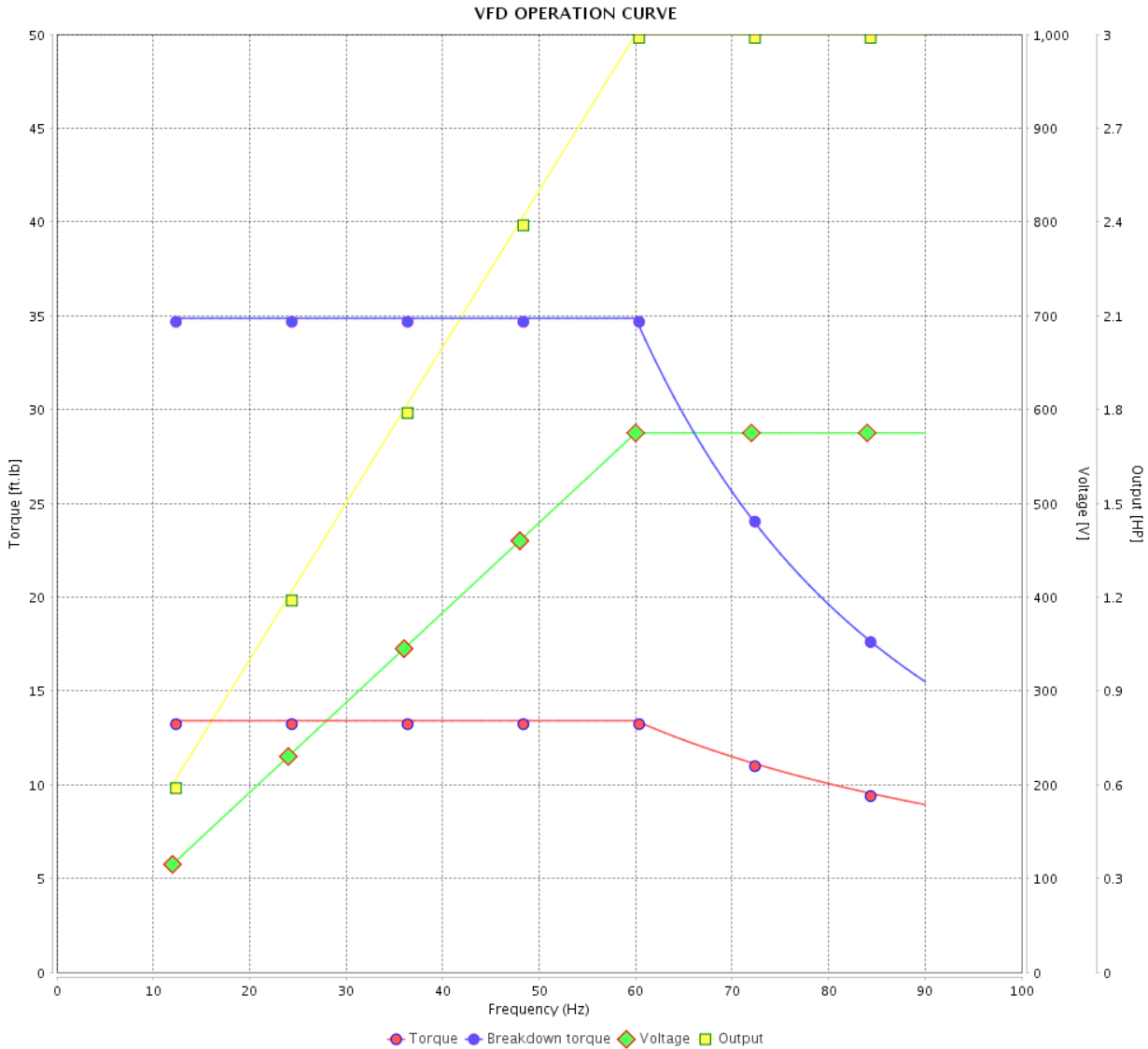


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Product code : 12795530

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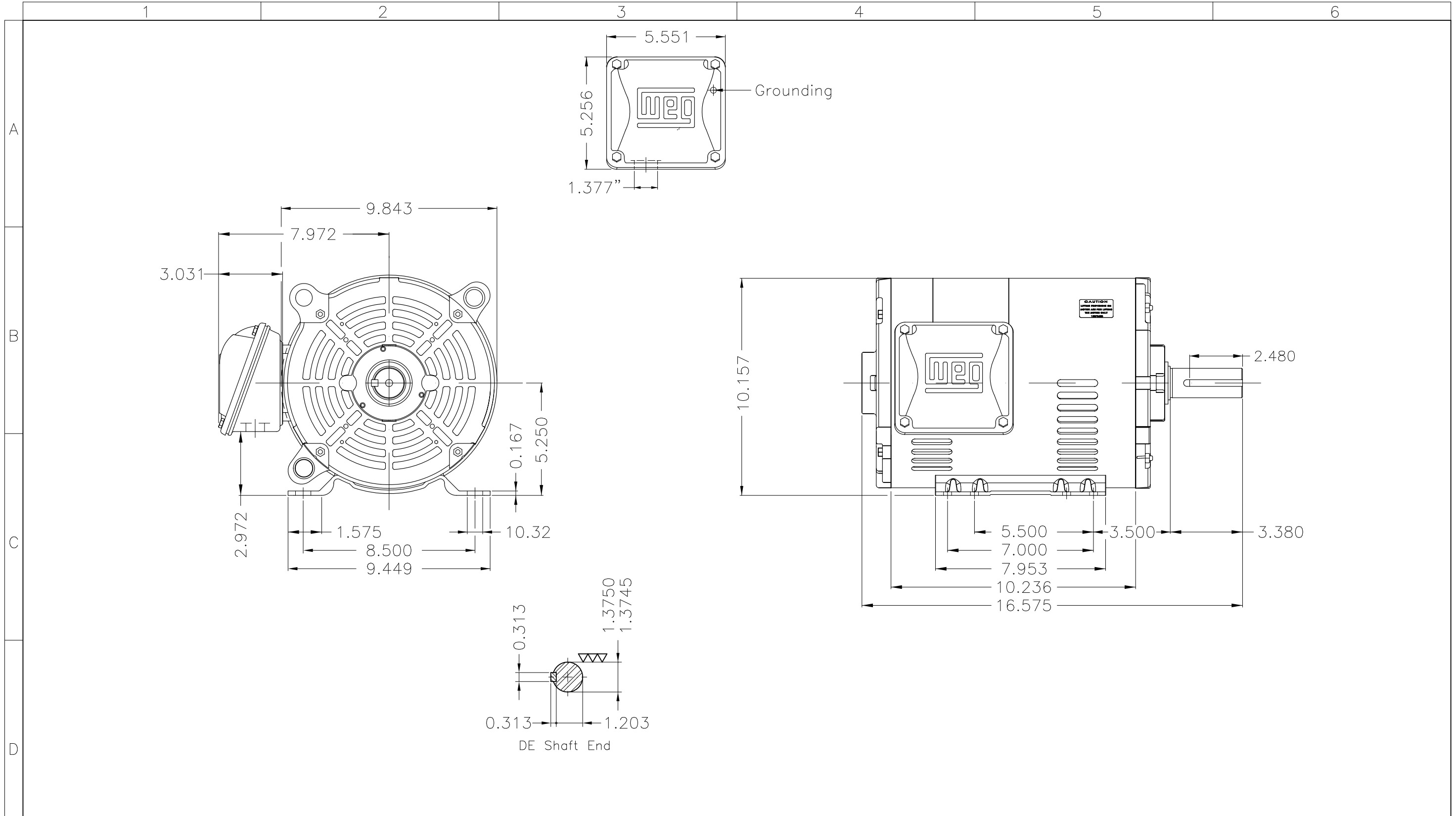


Performance : 575 V 60 Hz 6P



Rated current : 3.33 A
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 Rated speed : 1175 rpm

Moment of inertia (J) : 0.8104 sq.ft.lb
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 Insulation class : F
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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.						PREVIEW WDD			
CHECKED		FRAME 213/5T IP21 ODP									
RELEASED											
REL DT.		WMO	Jaragua do Sul	Product Engineering	SHEET	1 / 1					

3 HP 06 Poles 60 Hz

A

**NEMA**
Premium

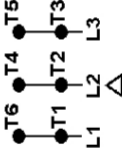
MADE IN MEXICO

MAT: 12795530 CC029A
W01.T00IC0X0N
MODEL 003120T3H213T-S
27SEP2021 S/N:

PH 3	Hz 60	HP 3.0
FR 213/5T		KW 2.2
DUTY CONT.		V 575
ALT 1000 m.a.s.l.		A 3.33
INS CL F AT 80K		SFA 3.83
AMB 40°C	DES B	SF 1.15
ENCL ODP	CODE H	PF 0.75
		RPM 1175
		NEMA NOM. EFF 88.5%

Inverter duty motor For use on VPWM 1000:1 VT, 5:1 CT

DE 6208-ZZ ODE 6206-ZZ MOBIL POLYREX EM



T1-BLU
 T2-WHT
 T3-ORG
 T4-YEL
 T5-BLK
 T6-GRY

INTERCHANGE ANY TWO LINE WIRES TO REVERSE THE ROTATION

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.

