

DATA SHEET



Three Phase Induction Motor - Squirrel Cage

Customer :						
Product line : JP Pump NEMA Premium Efficiency Three-Phase		Product code : 12682729				
		Catalog # : 01018OT3H215JP-S				
Frame : 213/5JP Output : 10 HP (7.5 kW) Poles : 4 Frequency : 60 Hz Rated voltage : 575 V Rated current : 9.92 A L. R. Amperes : 69.4 A LRC : 7.0x(Code H) No load current : 4.79 A Rated speed : 1770 rpm Slip : 1.67 % Rated torque : 29.7 ft.lb Locked rotor torque : 250 % Breakdown torque : 350 % Insulation class : F Service factor : 1.15 Moment of inertia (J) : 1.30 sq.ft.lb Design : B		Locked rotor time : 25s (cold) 14s (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 : 59.0 dB(A) Starting method : Direct On Line Approx. weight ³ : 132 lb				
Output	25%	50%	75%	100%		
Efficiency (%)	89.4	90.2	91.0	91.7		
Power Factor	0.38	0.64	0.77	0.83		
Foundation loads		Max. traction : 520 lb				
		Max. compression : 652 lb				
		<u>Drive end</u>		<u>Non drive end</u>		
Bearing type	:	6209 ZZ		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.			
Rev.	Changes Summary			Performed	Checked	Date
Performed by						
Checked by					Page	Revision
Date	12/04/2022				1 / 6	

TORQUE AND CURRENT VS SPEED CURVE

Three Phase Induction Motor - Squirrel Cage



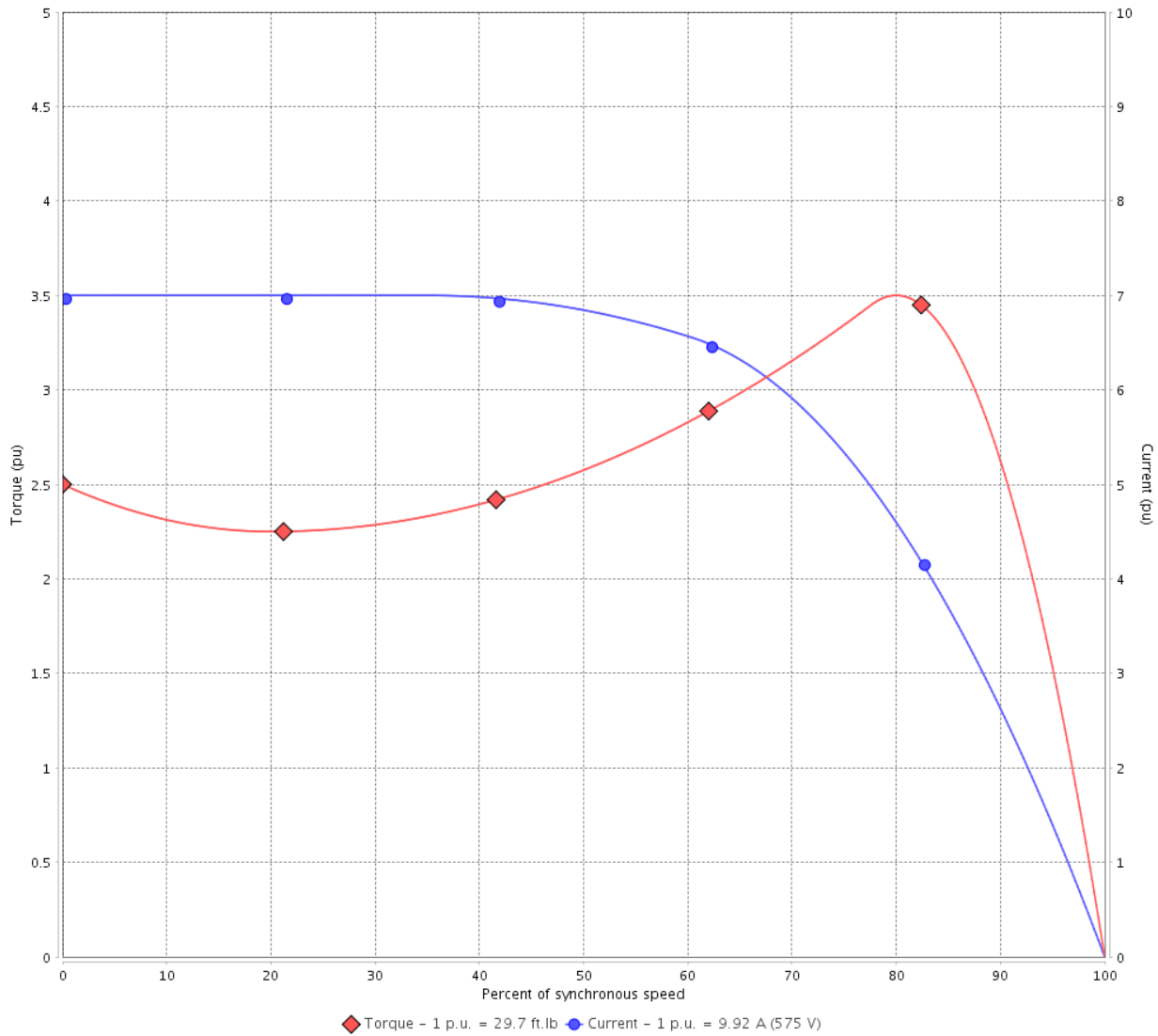
Customer :

Product line : JP Pump NEMA Premium
Efficiency Three-Phase

Product code : 12682729

Catalog # : 01018OT3H215JP-S

TORQUE AND CURRENT VS SPEED CURVE



Performance : 575 V 60 Hz 4P

Rated current	: 9.92 A	Moment of inertia (J)	: 1.30 sq.ft.lb
LRC	: 7.0	Duty cycle	: Cont.(S1)
Rated torque	: 29.7 ft.lb	Insulation class	: F
Locked rotor torque	: 250 %	Service factor	: 1.15
Breakdown torque	: 350 %	Temperature rise	: 80 K
Rated speed	: 1770 rpm	Design	: B

Locked rotor time : 25s (cold) 14s (hot)

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LOAD PERFORMANCE CURVE

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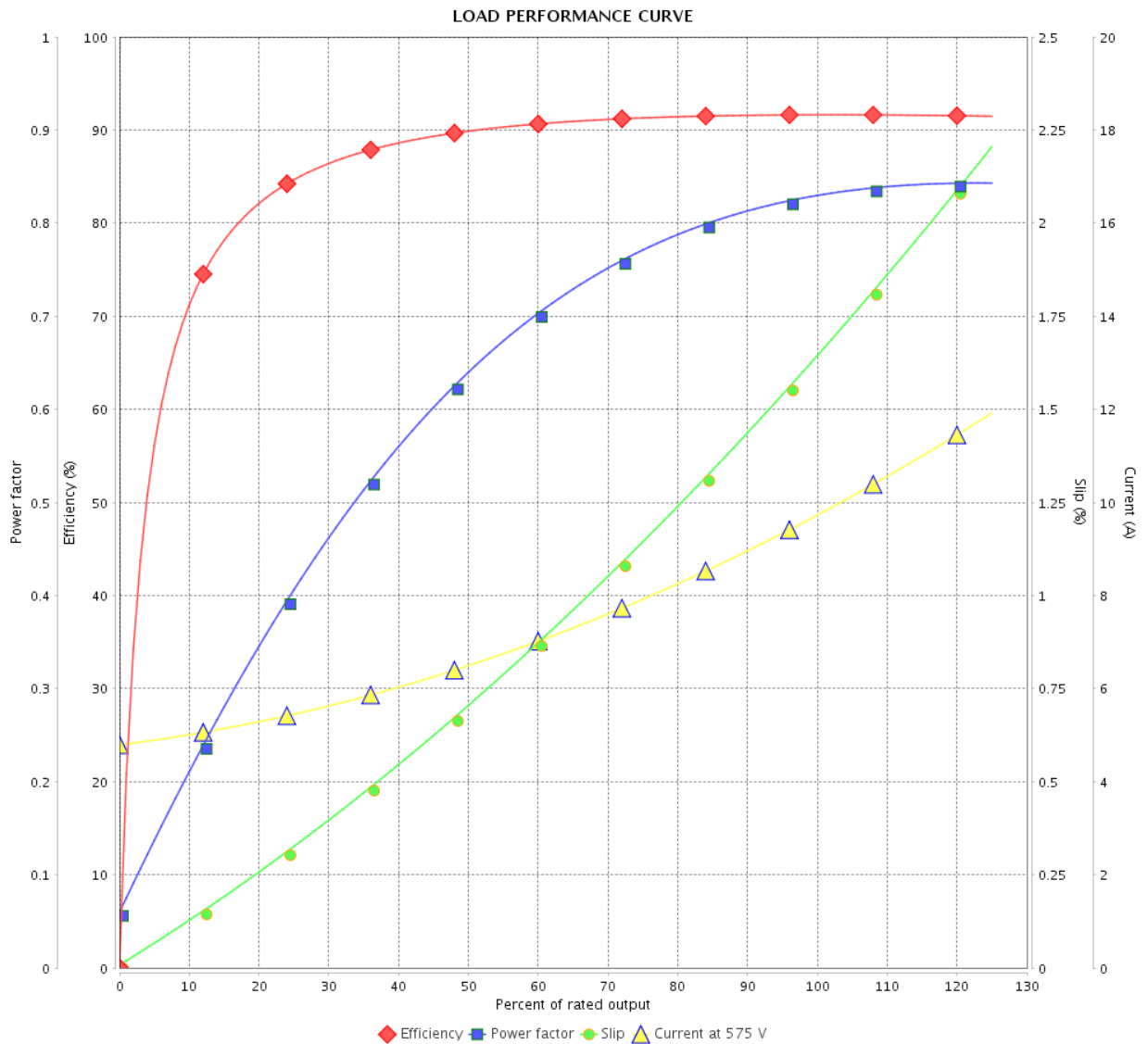


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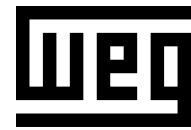
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 Rated speed : 1770 rpm

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 Duty cycle : Cont.(S1)
 Insulation class : F
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 Design : B

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THERMAL LIMIT CURVE



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Heating constant

Cooling constant

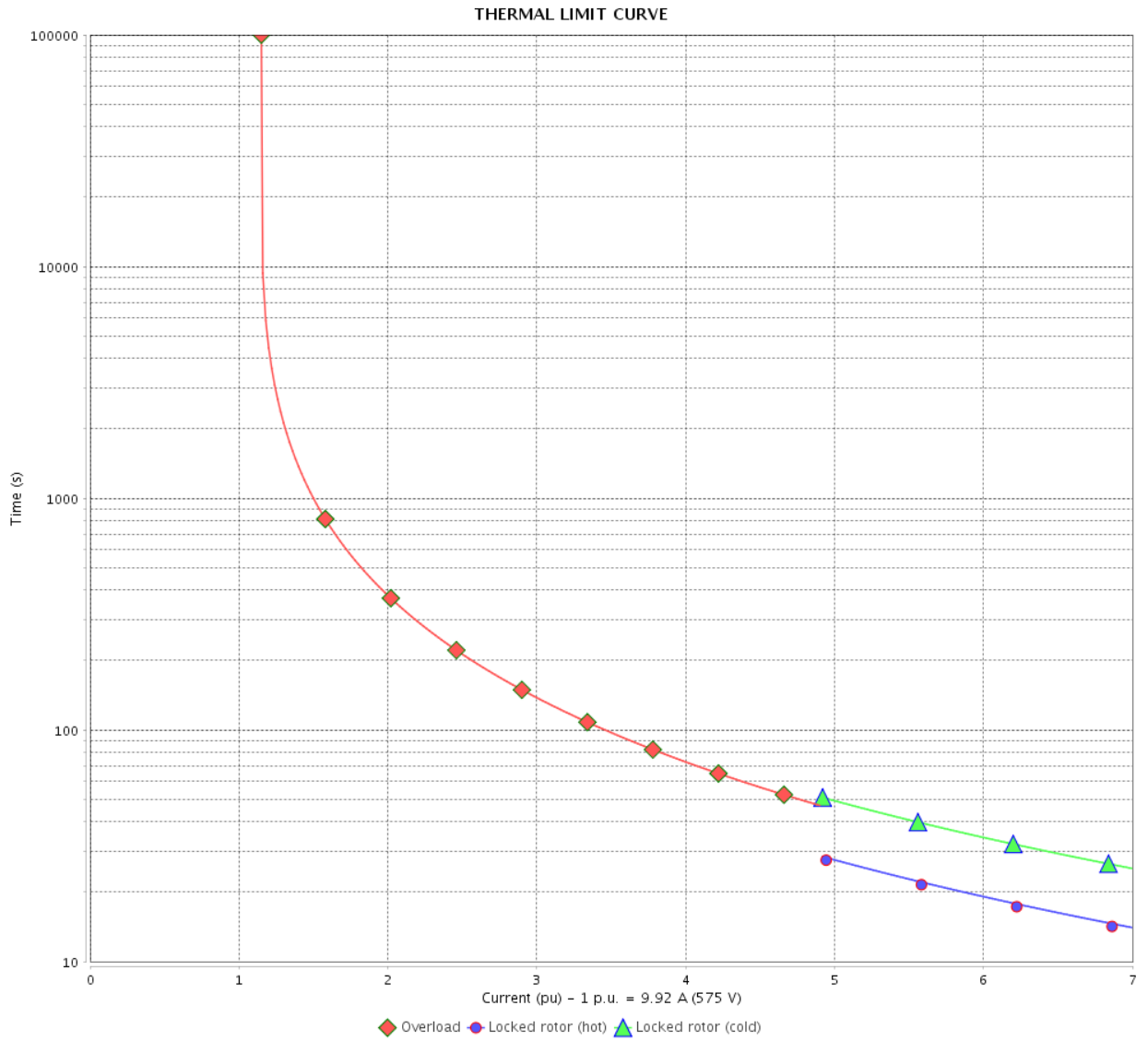
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THERMAL LIMIT CURVE

Three Phase Induction Motor - Squirrel Cage



Customer : _____



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Date				

VFD OPERATION CURVE

Three Phase Induction Motor - Squirrel Cage



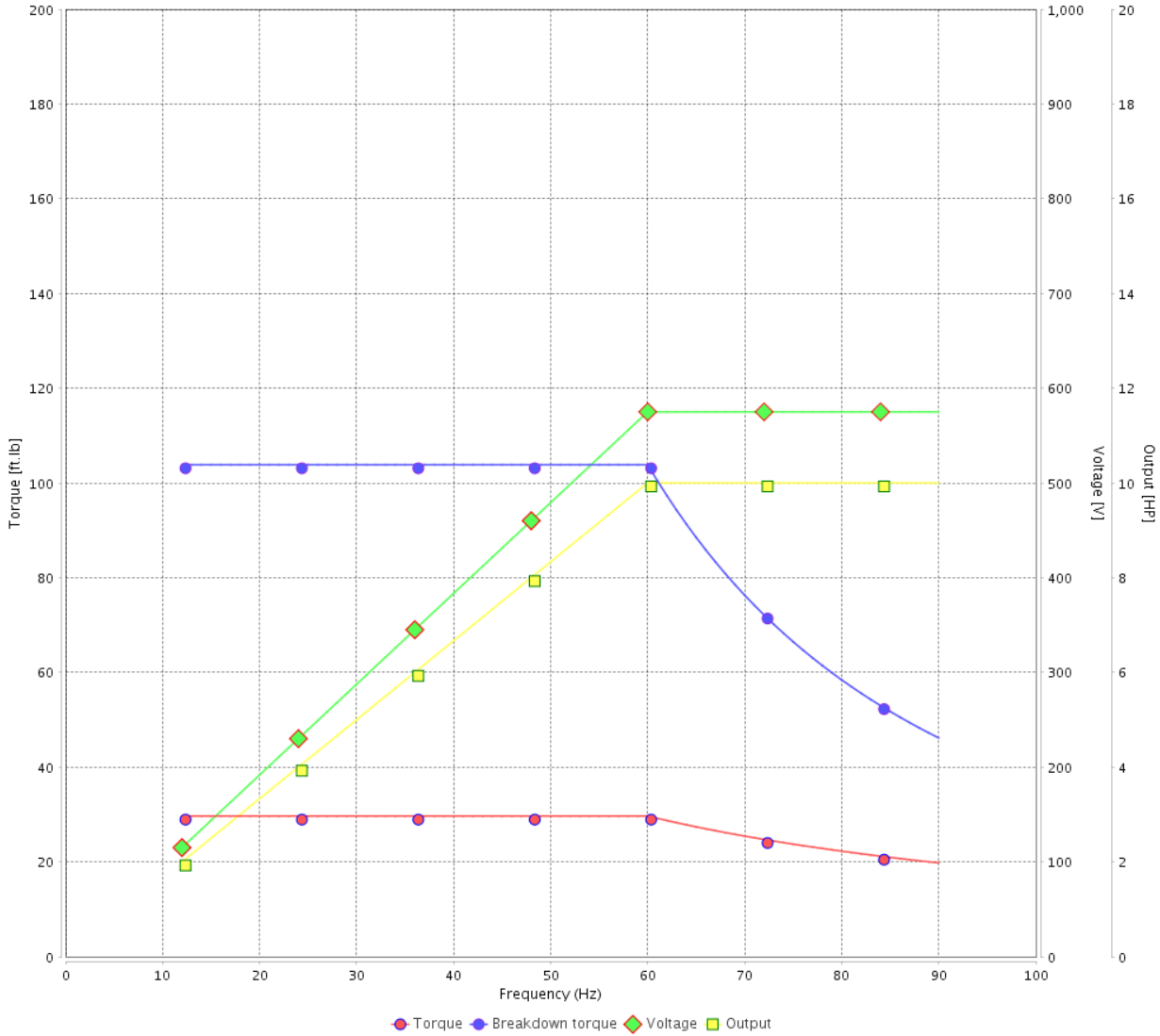
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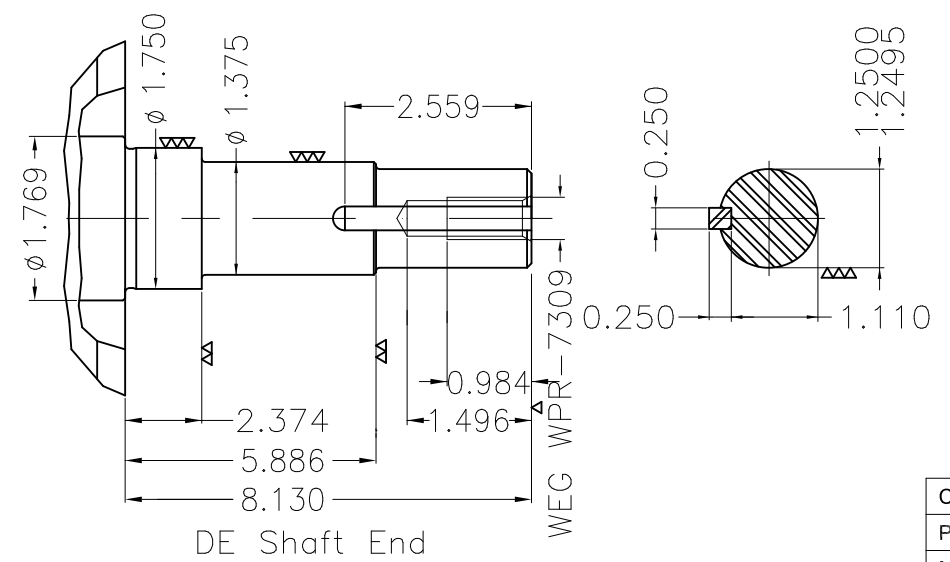
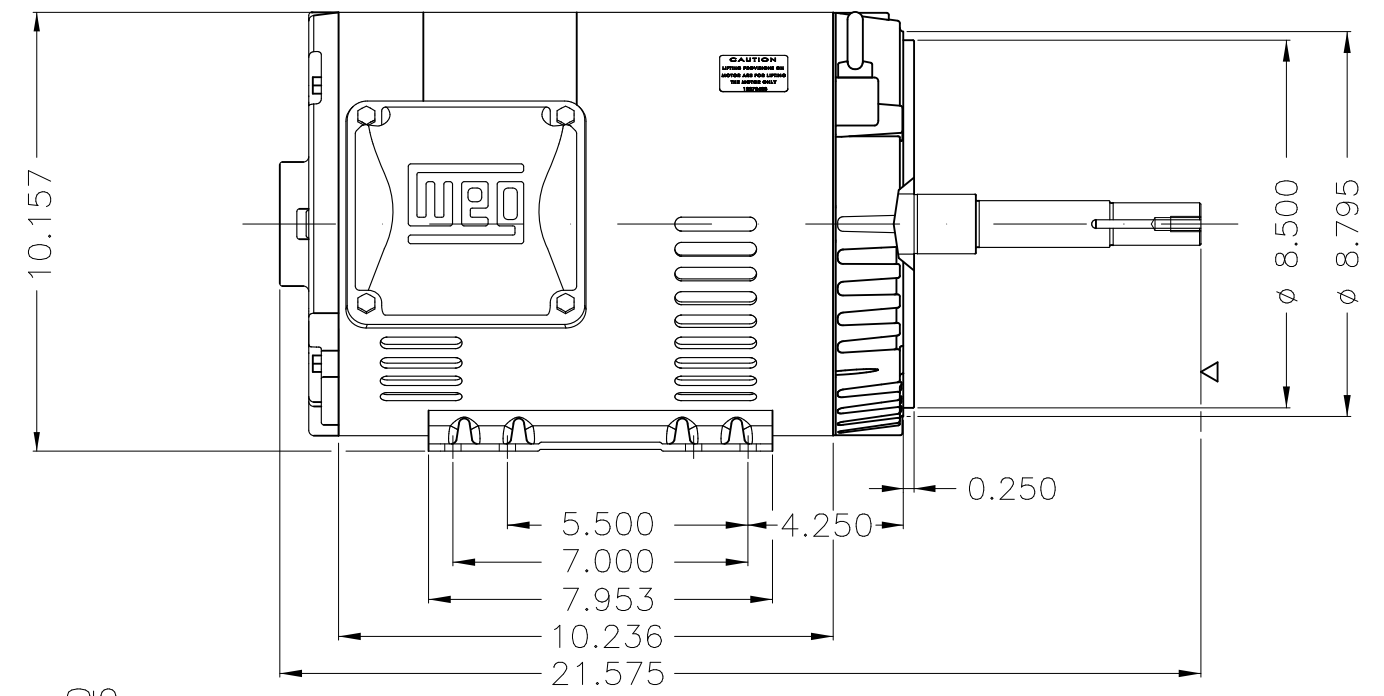
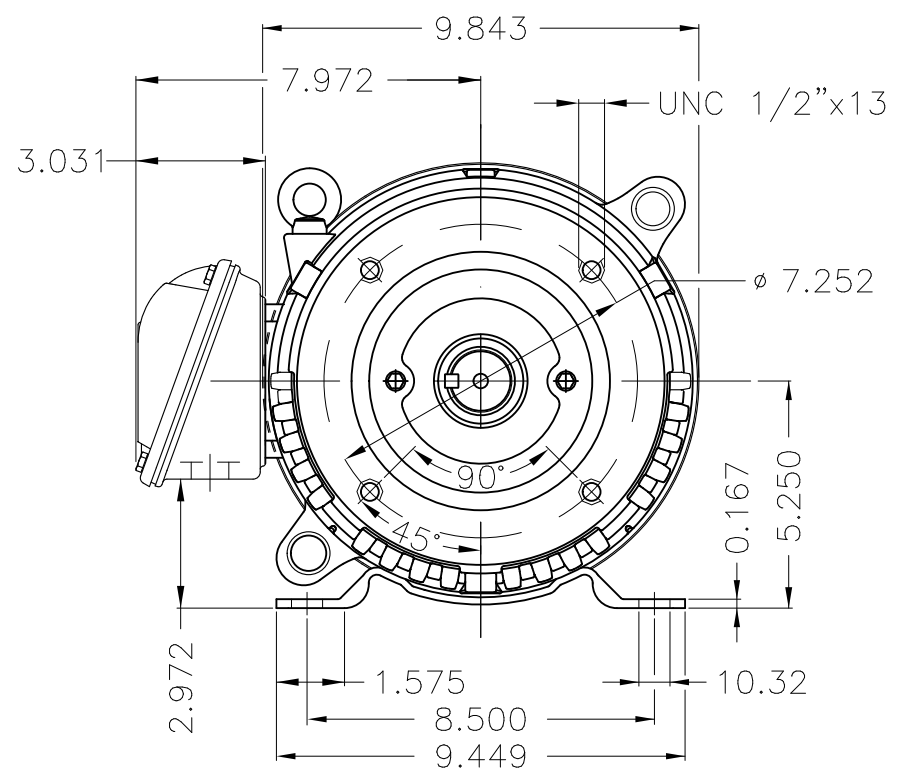
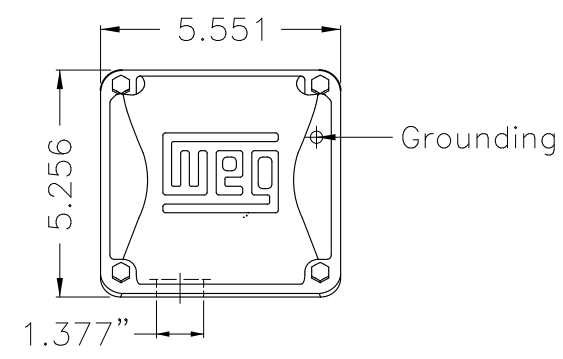
A

B

C

D

E



EUNC 1/2"-13 WEG WPR-7309

DE Shaft End

Color Munsell N 1 matte black									
Painting plan 207N									
Mounting F-1/B34R(D)									
ECM	LOC	SUMMARY OF MODIFICATIONS			EXECUTED	CHECKED	RELEASED	DATE	VER
EXECUTED	PIRBUSER	THREE PH. MOTOR ROLLED STEEL CLOSE COUPLED PUMP JP 5/5 DE PREL ETX							
CHECKED		FRAME 213/5JP IP21 ODP							
RELEASED									
REL DT.		WMO	Jaragua do Sul	Product Engineering					

PREVIEW

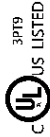
WDD



10 HP 04 Poles 60 Hz



NEMA
Premium



MADE IN MEXICO

MAT: 12682729 CC029A

W01.T00IC0X0N

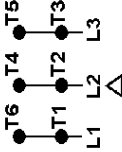
MODEL 010180T3H215JP-S

17NOV2021 S/N:

PH 3	Hz 60	HP 10
FR 213/5.JP		KW 7.5
DUTY CONT.		V 575
ALT 1000 m.a.s.l.		A 9.92
INS CL F AT 80K		SFA 11.4
AMB 40°C	DES B	SF 1.15
ENCL ODP	CODE H	PF 0.83
		RPM 1770
		NEMA NOM. EFF 91.7%

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

DE 6209-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.

