

DATA SHEET



Three Phase Induction Motor - Squirrel Cage

Customer	:					
Product line	: JM Pump NEMA Premium Efficiency Three-Phase	Product code :	12676955			
		Catalog # :	01036OT3H213JM-S			
Frame	: 213/5JM	Locked rotor time	: 19s (cold) 11s (hot)			
Output	: 10 HP (7.5 kW)	Temperature rise	: 80 K			
Poles	: 2	Duty cycle	: Cont.(S1)			
Frequency	: 60 Hz	Ambient temperature	: -20°C to +40°C			
Rated voltage	: 575 V	Altitude	: 1000 m.a.s.l.			
Rated current	: 9.60 A	Cooling method	: IC01 - ODP			
L. R. Amperes	: 65.3 A	Mounting	: F-1			
LRC	: 6.8x(Code H)	Rotation ¹	: Both (CW and CCW)			
No load current	: 3.73 A	Noise level ²	: 66.0 dB(A)			
Rated speed	: 3535 rpm	Starting method	: Direct On Line			
Slip	: 1.81 %	Approx. weight ³	: 125 lb			
Rated torque	: 14.9 ft.lb					
Locked rotor torque	: 200 %					
Breakdown torque	: 280 %					
Insulation class	: F					
Service factor	: 1.15					
Moment of inertia (J)	: 0.4651 sq.ft.lb					
Design	: B					
Output	25%	50%	75%	100%	Foundation loads	
Efficiency (%)	88.3	88.5	89.5	89.5	Max. traction	: 172 lb
Power Factor	0.47	0.74	0.84	0.88	Max. compression	: 297 lb
Bearing type	:	<u>Drive end</u> 6209 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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Performed by						
Checked by					Page	Revision
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TORQUE AND CURRENT VS SPEED CURVE

Three Phase Induction Motor - Squirrel Cage



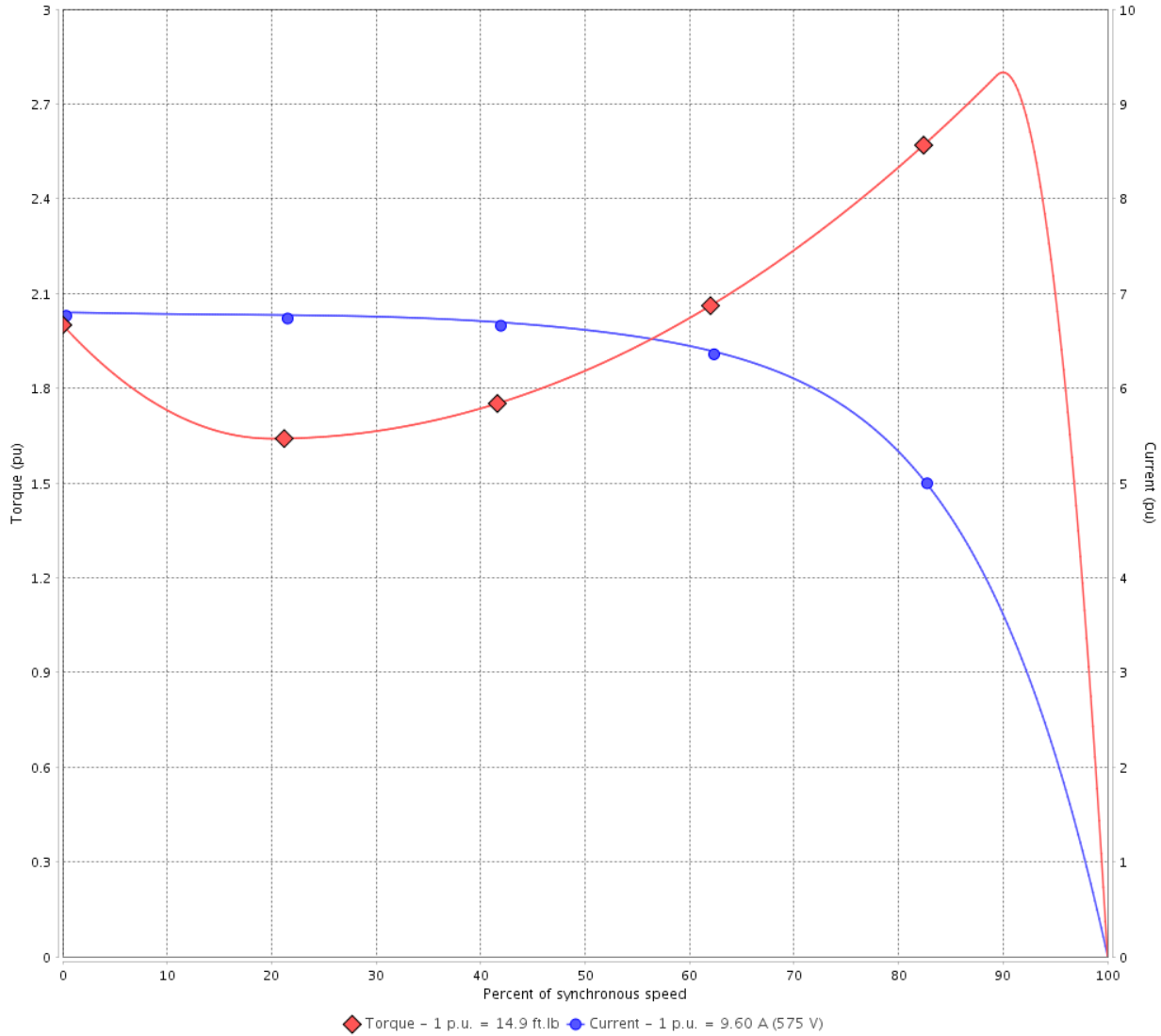
Customer :

Product line : JM Pump NEMA Premium
Efficiency Three-Phase

Product code : 12676955

Catalog # : 01036OT3H213JM-S

TORQUE AND CURRENT VS SPEED CURVE



Performance : 575 V 60 Hz 2P

Rated current	: 9.60 A	Moment of inertia (J)	: 0.4651 sq.ft.lb
LRC	: 6.8	Duty cycle	: Cont.(S1)
Rated torque	: 14.9 ft.lb	Insulation class	: F
Locked rotor torque	: 200 %	Service factor	: 1.15
Breakdown torque	: 280 %	Temperature rise	: 80 K
Rated speed	: 3535 rpm	Design	: B

Locked rotor time : 19s (cold) 11s (hot)

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LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage

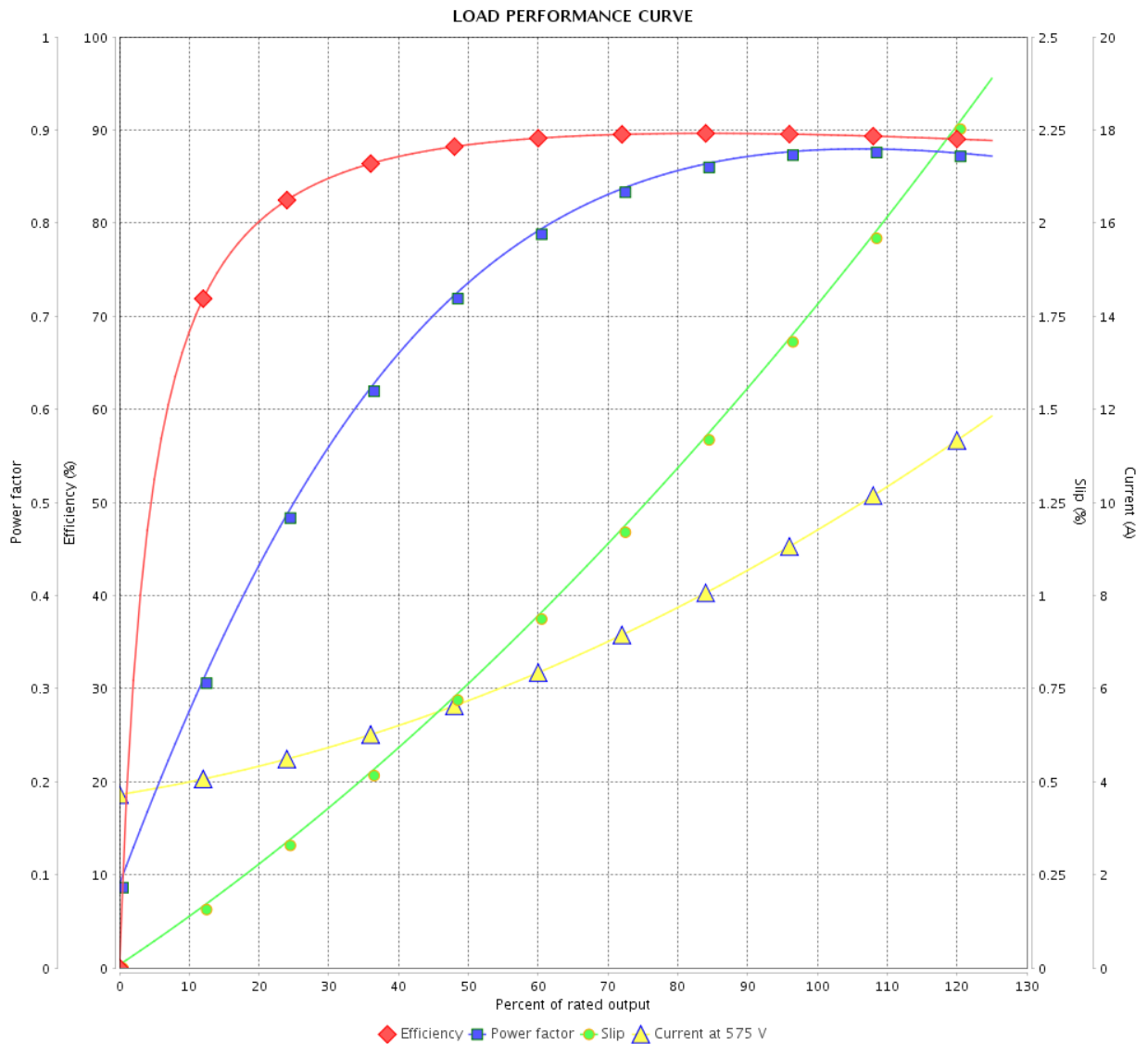


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THERMAL LIMIT CURVE



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Temperature rise : 80 K
Design : B

Heating constant

Cooling constant

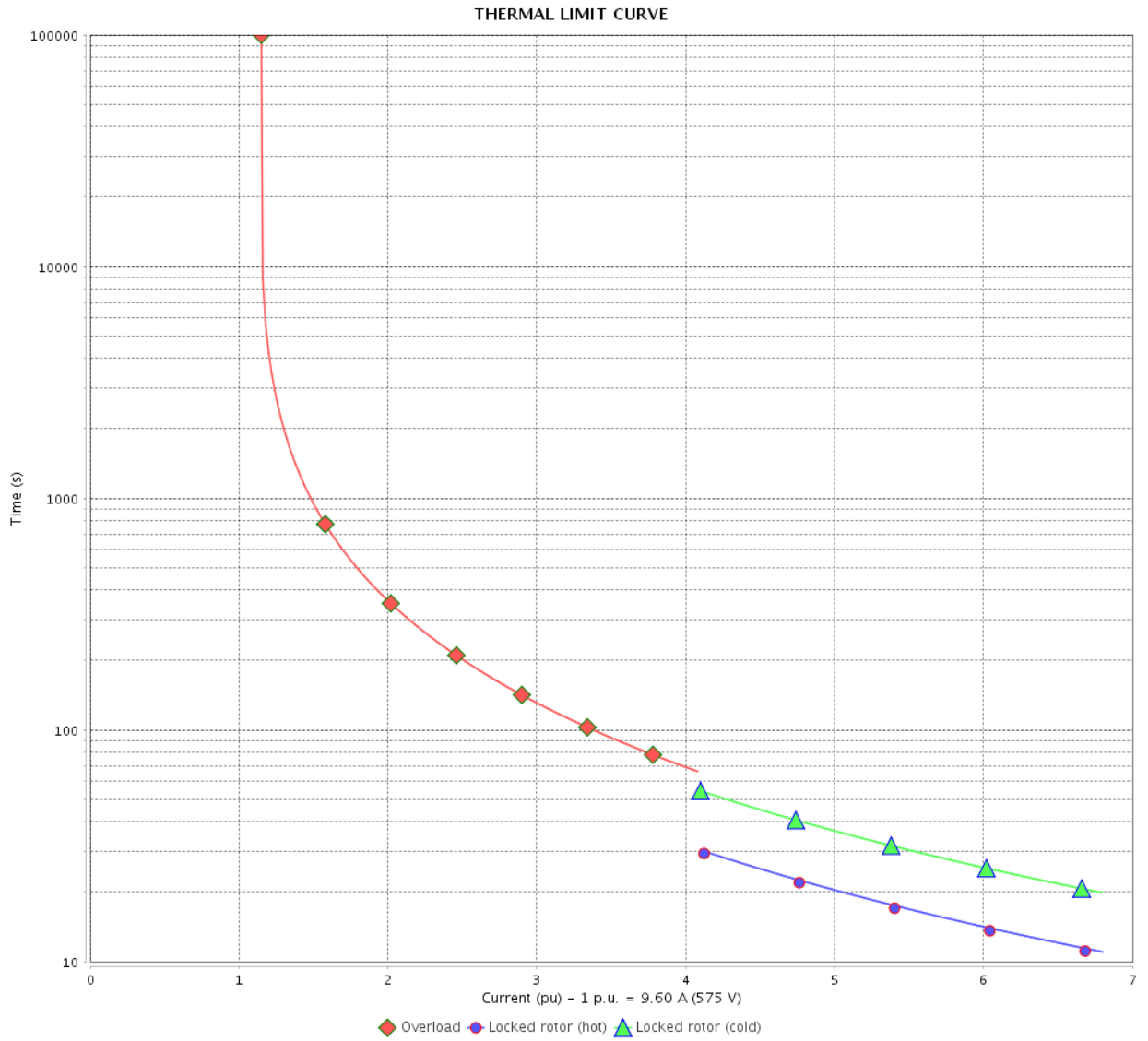
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THERMAL LIMIT CURVE

Three Phase Induction Motor - Squirrel Cage



Customer : _____



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VFD OPERATION CURVE

Three Phase Induction Motor - Squirrel Cage

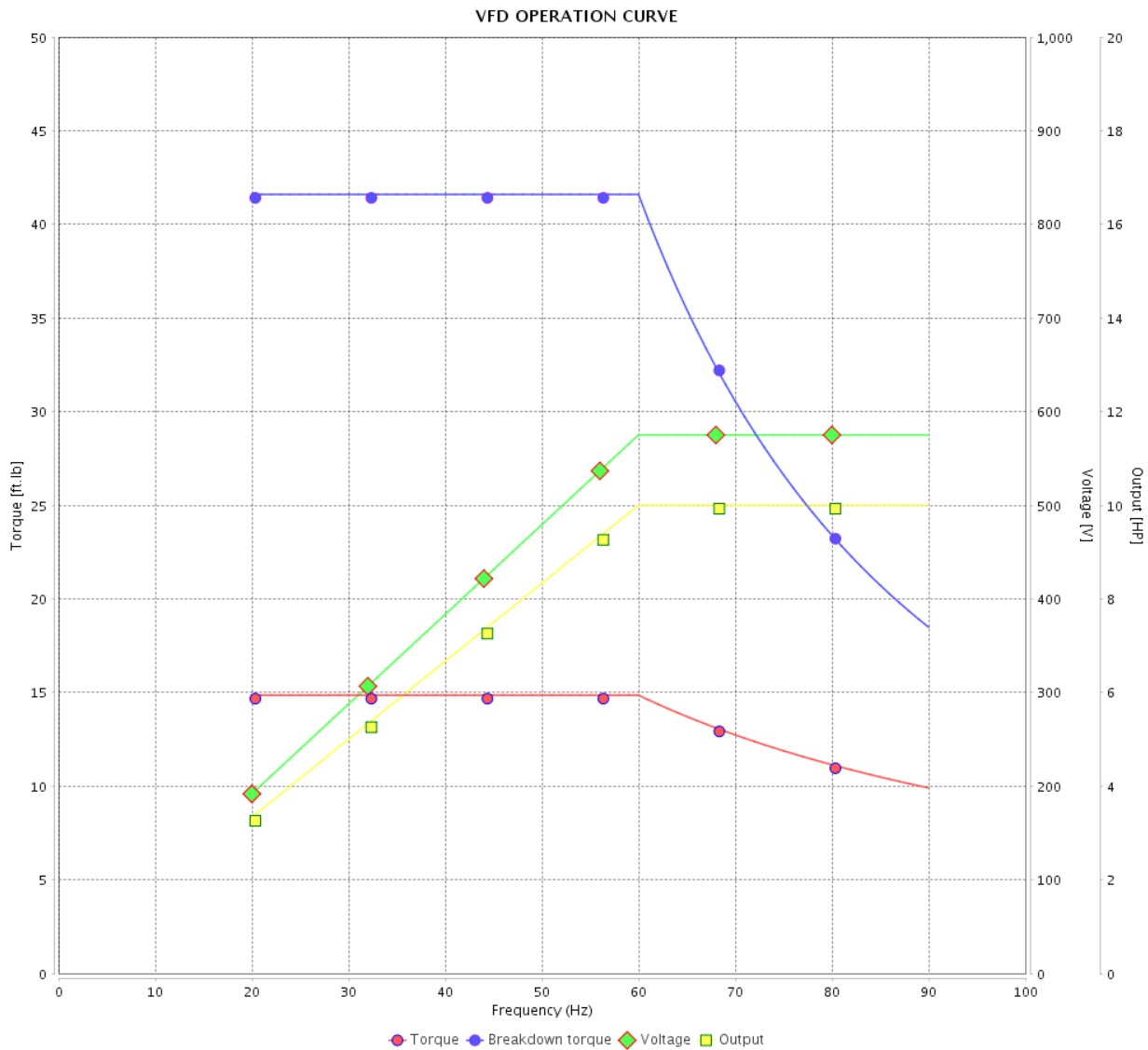


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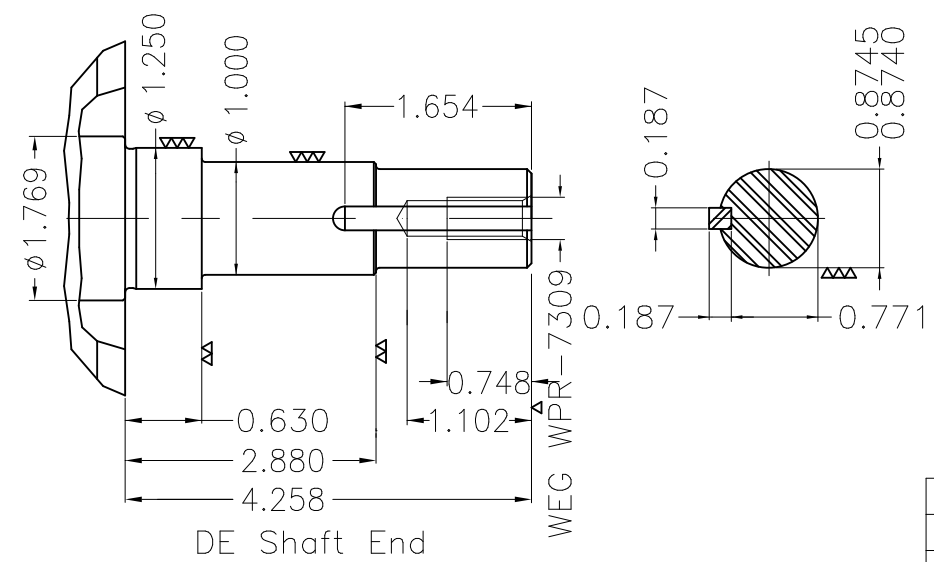
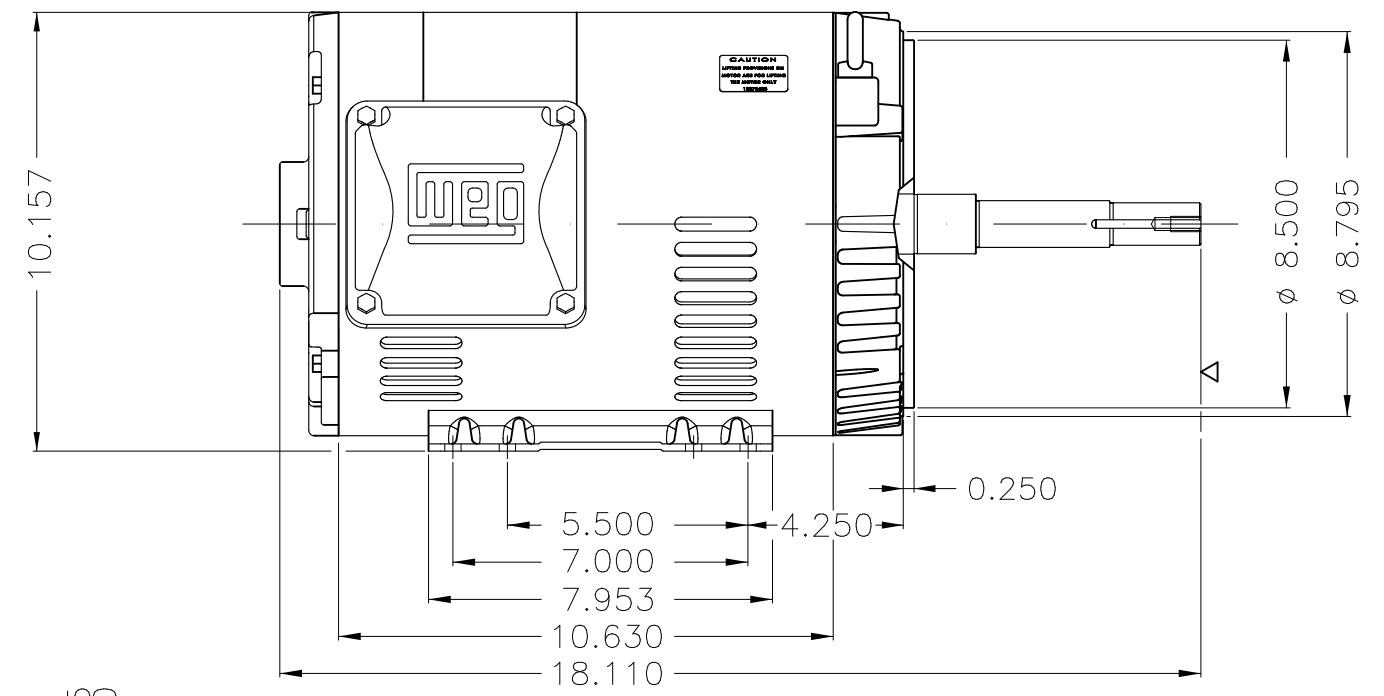
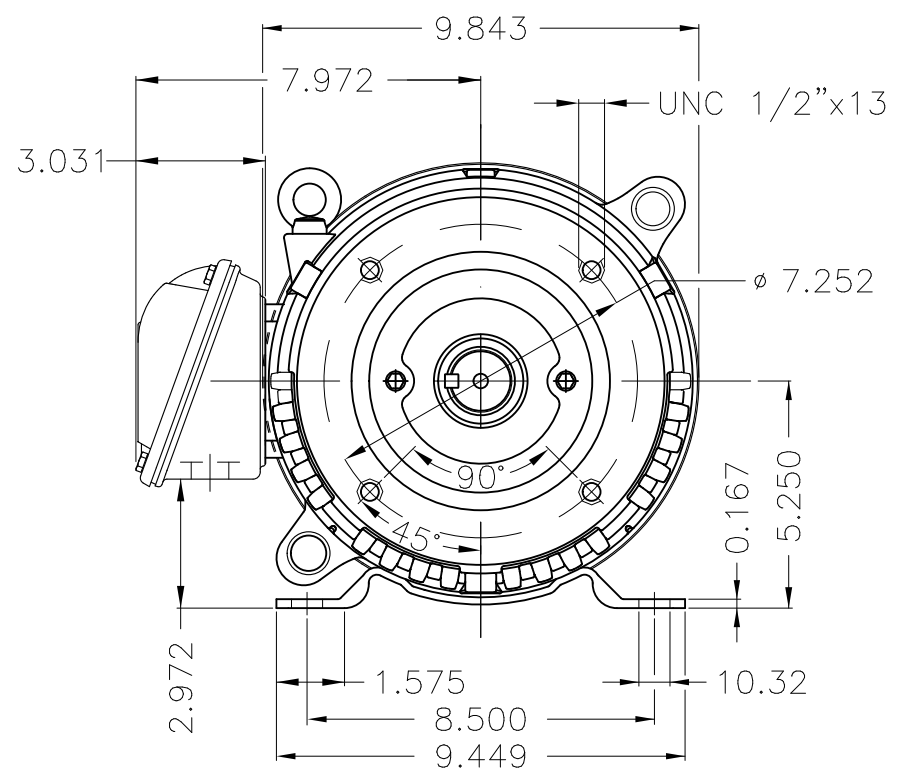
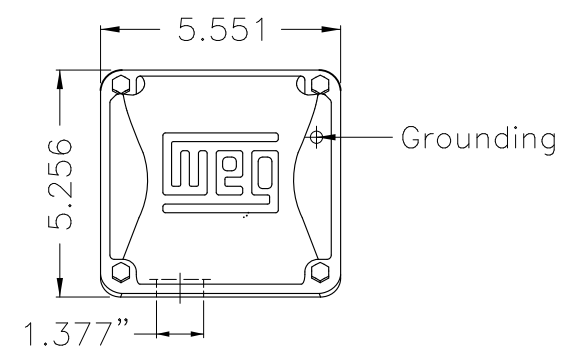
A

B

C

D

E



EUNC 3/8" - 16 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 JN TYPE PSE 1/2 HP							
CHECKED		FRAME 213/5JM IP21 ODP							
RELEASED									
REL DT.		WMO	Jaragua do Sul	Product Engineering					

PREVIEW

WDD



10 HP 02 Poles 60 Hz



NEMA
Premium



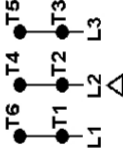
MADE IN MEXICO

MAT: 12676955 CC029A
W01.T00IC0X0N
JM010502DPNPW01
01NOV2021 S/N:

PH 3	Hz 60	HP 10
FR 213/5JM		KW 7.5
DUTY CONT.		V 575
ALT 1000 m.a.s.l		A 9.60
INS CL F AT 80K		SFA 11.0
AMB 40°C	DES B	SF 1.15
ENCL ODP	CODE H	PF 0.88
		RPM 3535
		NEMA NOM. EFF 89.5%

Inverter duty motor For use on VPWM 1000:1 VT, 3:1 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.

