

DATA SHEET



Three Phase Induction Motor - Squirrel Cage

Customer :

Product line : JM Pump NEMA Premium Efficiency Three-Phase Product code : 14218528
 Catalog # : 01036ET3H215JM-SG

Frame : 213/5JM	Locked rotor time : 21s (cold) 12s (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 : 9.20 A	Protection degree : IP55
L. R. Amperes : 69.0 A	Cooling method : IC411 - TEFC
LRC : 7.5x(Code H)	Mounting : F-1
No load current : 3.01 A	Rotation ¹ : Both (CW and CCW)
Rated speed : 3530 rpm	Noise level ² : 70.0 dB(A)
Slip : 1.94 %	Starting method : Direct On Line
Rated torque : 14.9 ft.lb	Approx. weight ³ : 171 lb
Locked rotor torque : 260 %	
Breakdown torque : 300 %	
Insulation class : F	
Service factor : 1.15	
Moment of inertia (J) : 0.7188 sq.ft.lb	
Design : B	

Output	25%	50%	75%	100%	Foundation loads
Efficiency (%)	89.3	89.5	90.2	90.2	Max. traction : 166 lb
Power Factor	0.53	0.80	0.88	0.91	Max. compression : 337 lb

	<u>Drive end</u>	<u>Non drive end</u>
Bearing type :	6209 ZZ	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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TORQUE AND CURRENT VS SPEED CURVE

Three Phase Induction Motor - Squirrel Cage



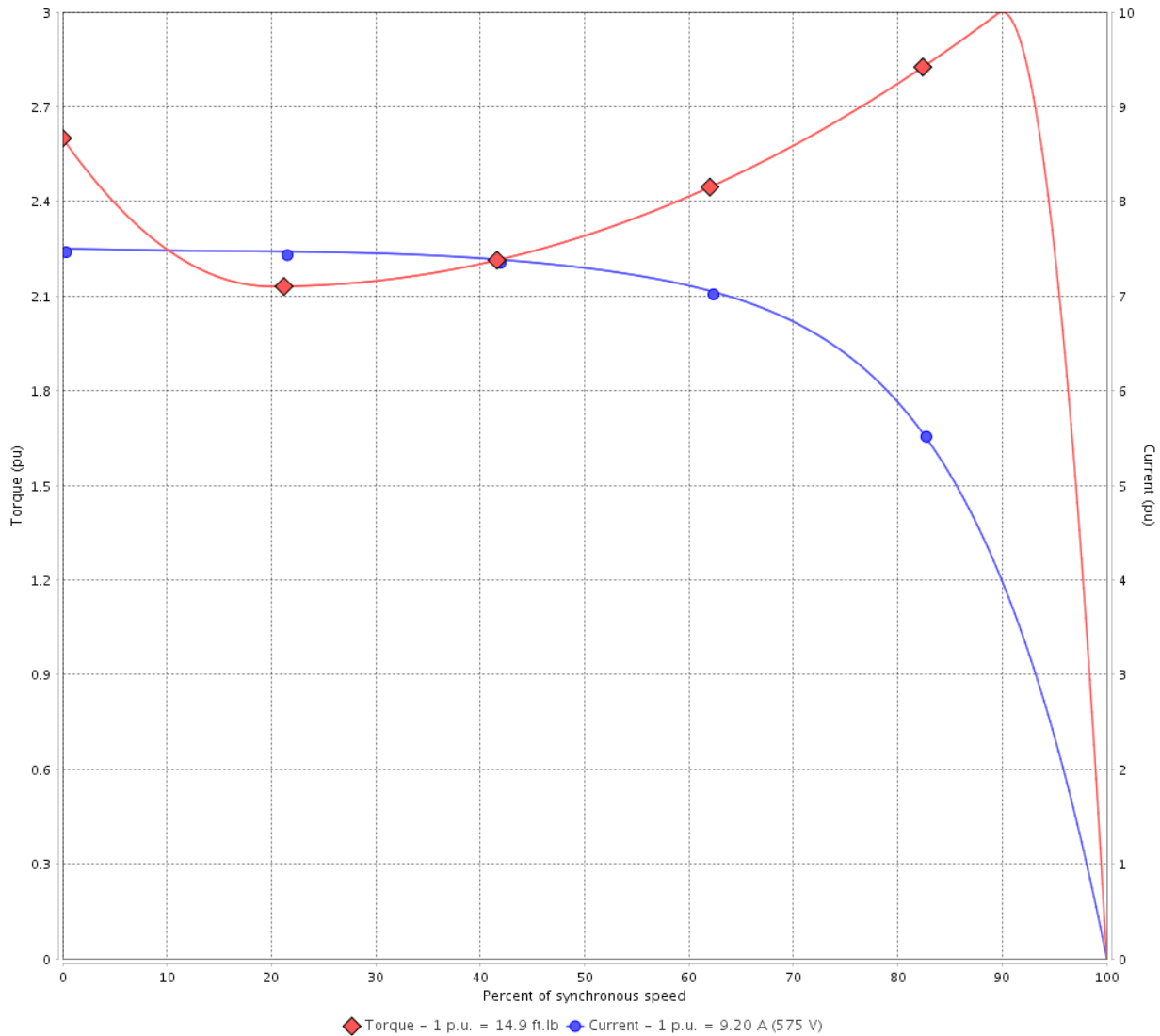
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Efficiency Three-Phase

Product code : 14218528

Catalog # : 01036ET3H215JM-SG

TORQUE AND CURRENT VS SPEED CURVE



Performance : 575 V 60 Hz 2P

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LRC	: 7.5	Duty cycle	: Cont.(S1)
Rated torque	: 14.9 ft.lb	Insulation class	: F
Locked rotor torque	: 260 %	Service factor	: 1.15
Breakdown torque	: 300 %	Temperature rise	: 80 K
Rated speed	: 3530 rpm	Design	: B

Locked rotor time : 21s (cold) 12s (hot)

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LOAD PERFORMANCE CURVE

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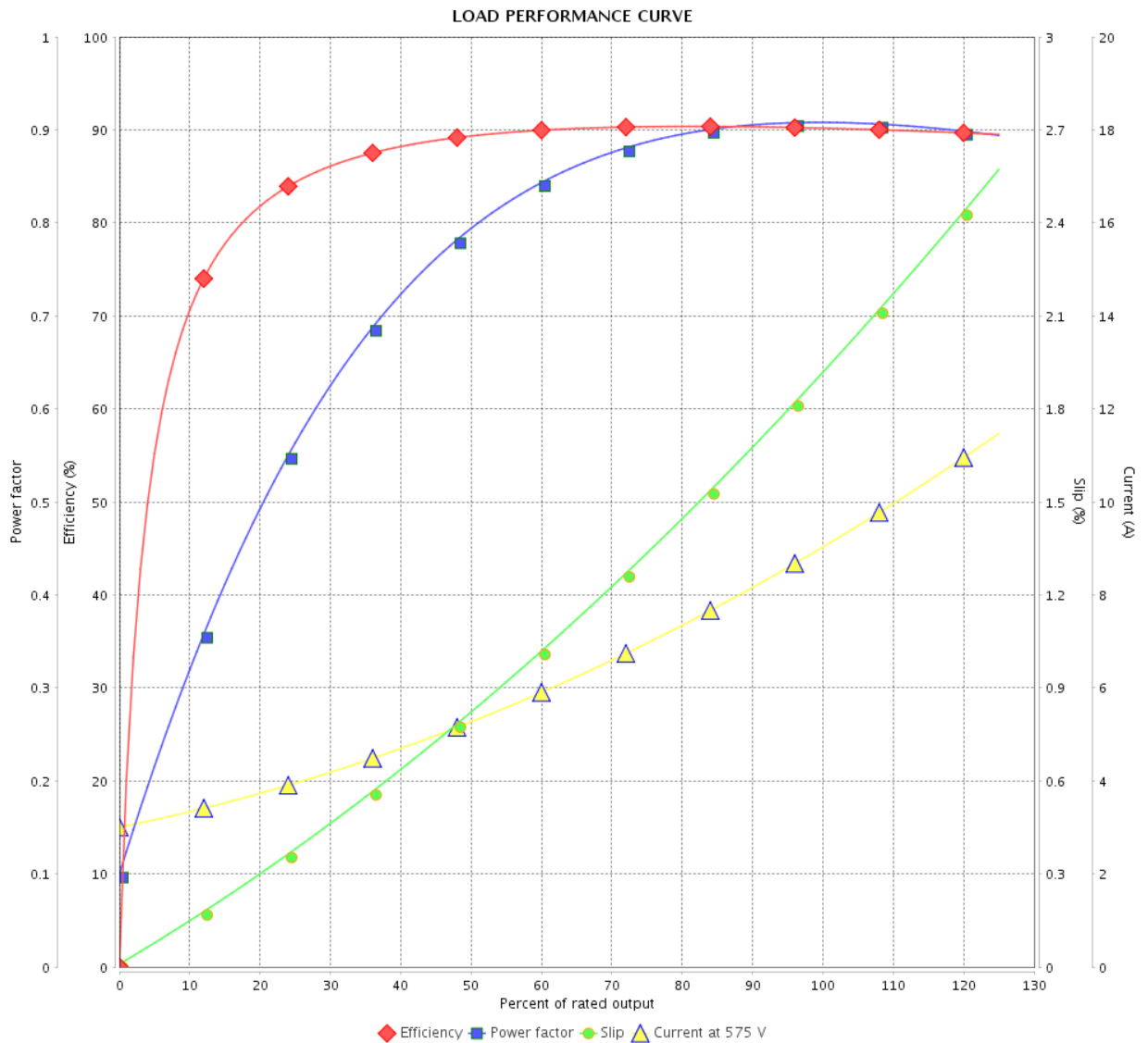


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THERMAL LIMIT CURVE



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Heating constant

Cooling constant

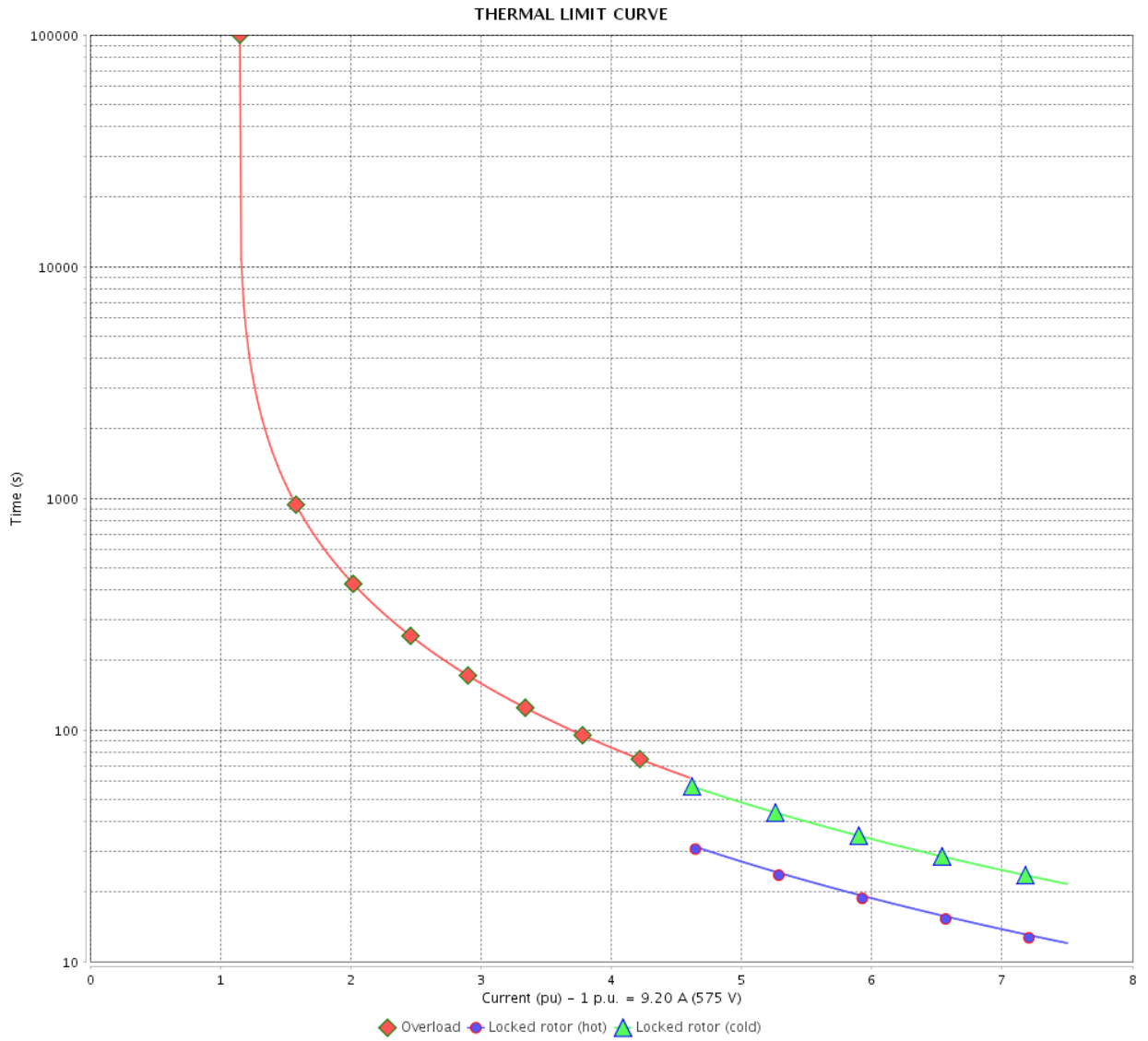
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THERMAL LIMIT CURVE

Three Phase Induction Motor - Squirrel Cage



Customer : _____



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VFD OPERATION CURVE

Three Phase Induction Motor - Squirrel Cage



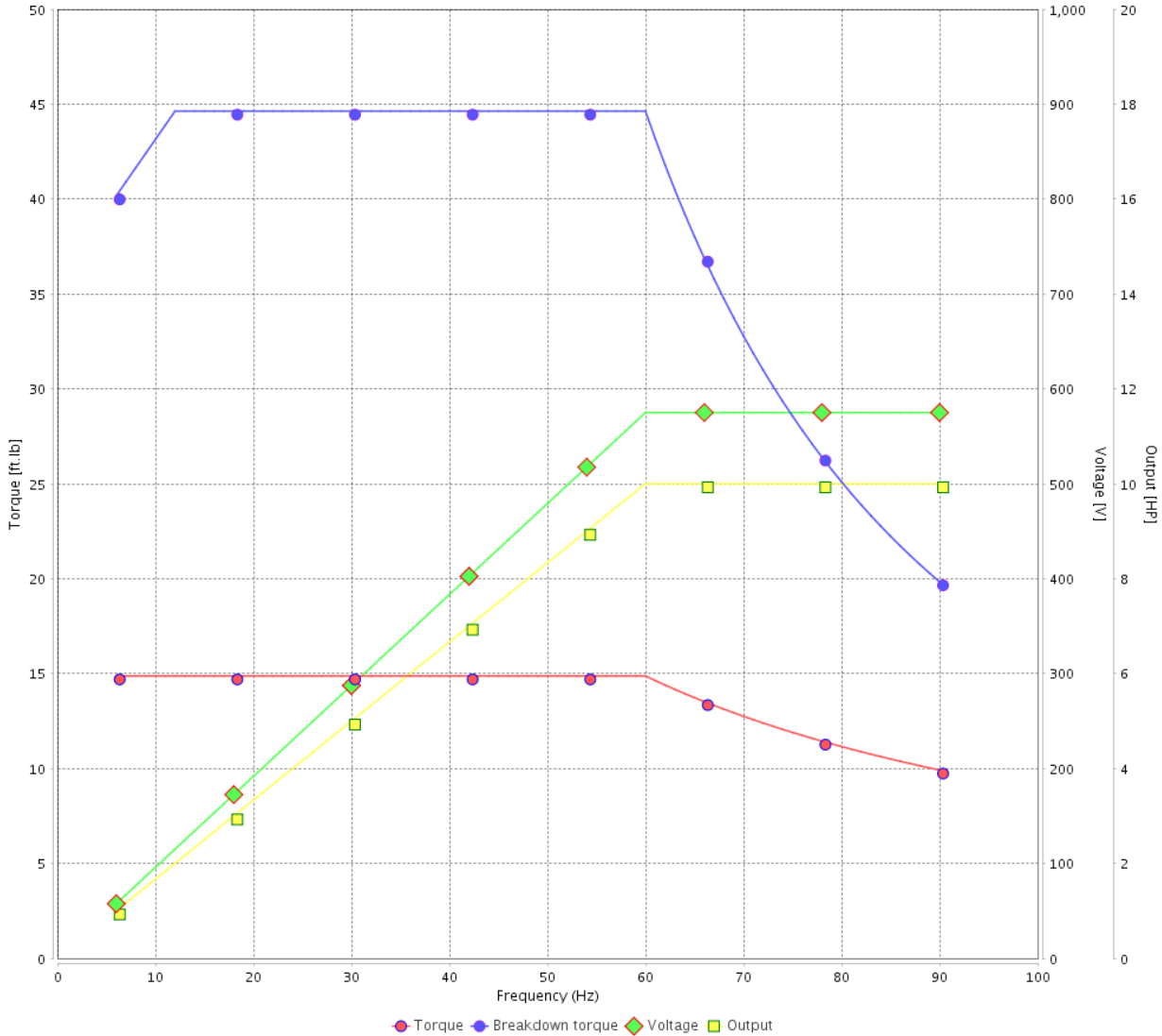
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VFD OPERATION CURVE



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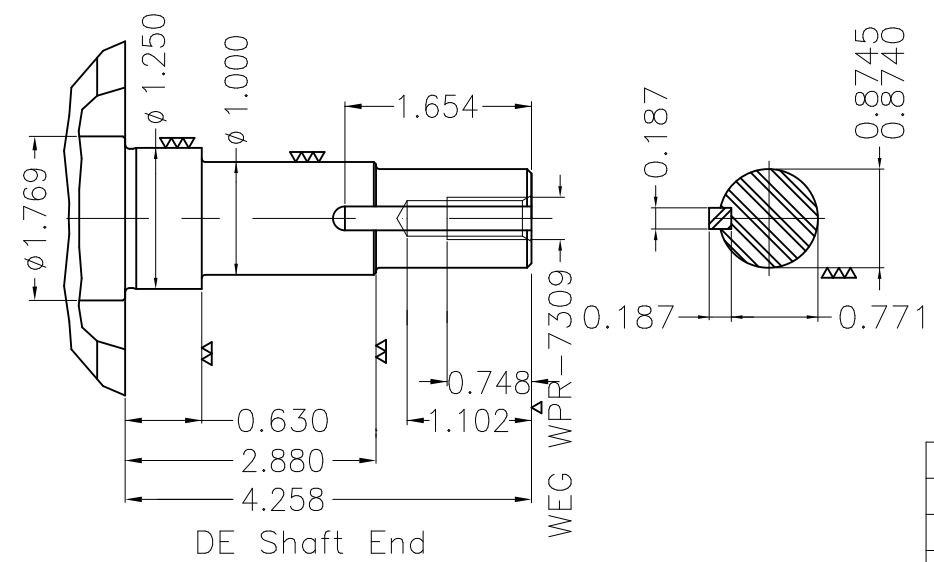
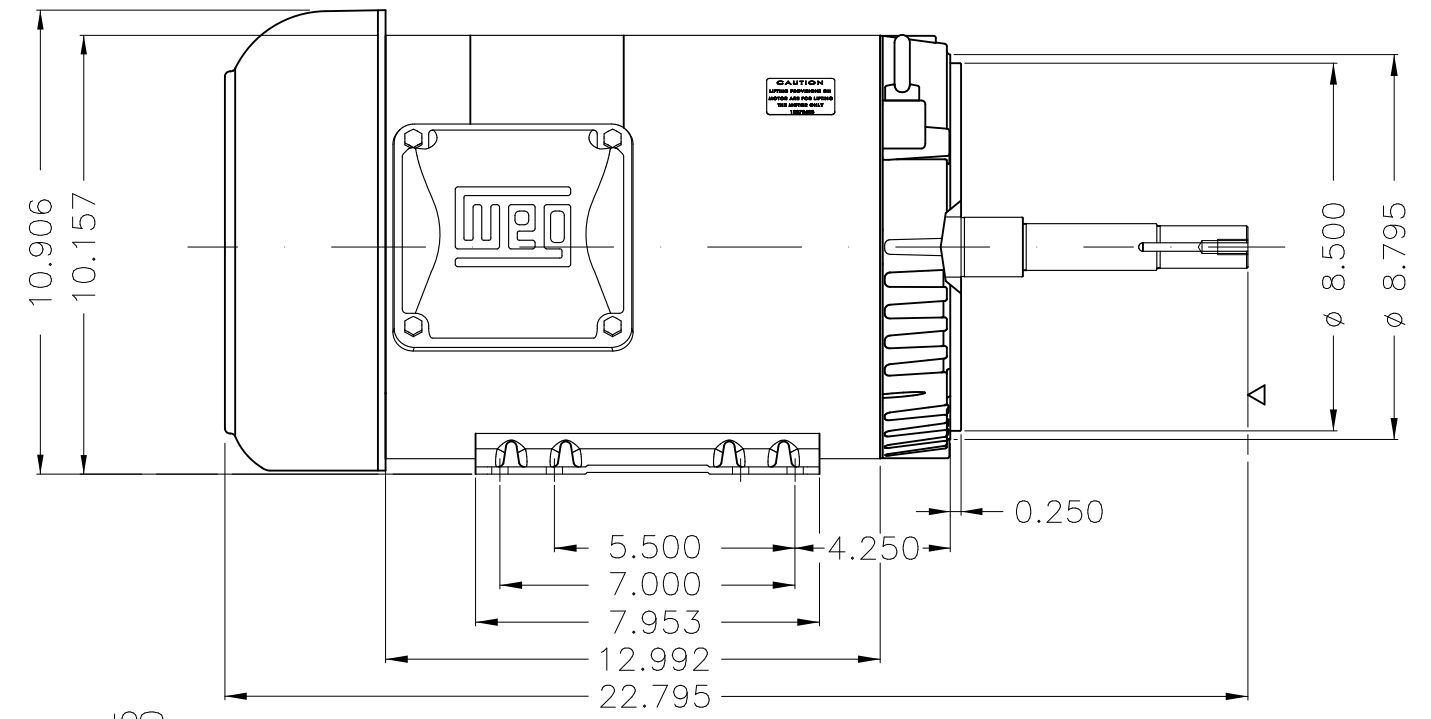
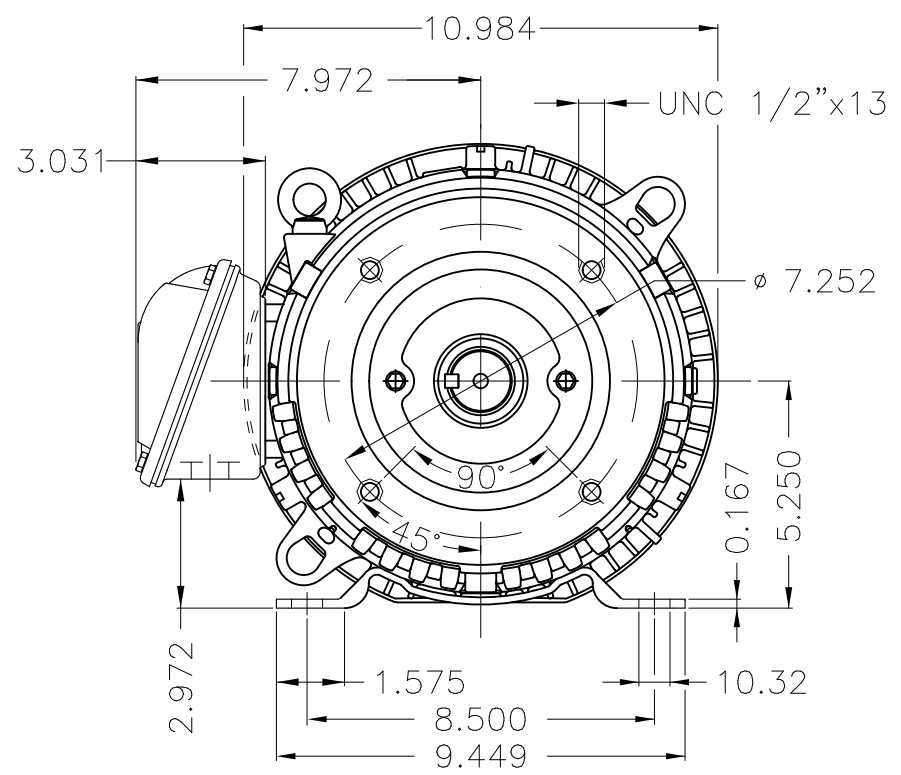
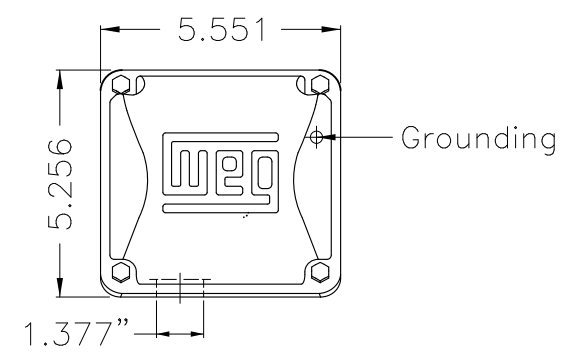
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1 2 3 4 5 6

A
B
C
D
E



EUNC 3/8" - 16 WEG WPR-7309

Internal AEGIS ground ring on the DE
 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	PIRWBUSER	THREE PH. MOTOR ROLLED STEEL CLOSE COUPLED PUMP JN TYPE PSEF 575					
CHECKED		FRAME 213/5JM IP55 TEFC					
RELEASED							
REL DT.	WMO	Jaragua do Sul	Product Engineering	WDD			

10 HP 02 Poles 60 Hz





NEMA
Premium



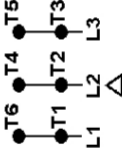
MADE IN MEXICO

MAT: 14218528 CC029A
W01.TE0IC0X0N
JM010502NPW01GR
17DEC2021 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 9.20
INS CL F AT 80K	IP55	SFA 10.6
AMB 40°C	DES B	SF 1.15
ENCL TEFC	CODE H	PF 0.91
		RPM 3530
		NEMA NOM. EFF 90.2%

Inverter duty motor For use on VPWM 1000:1 VT, 10:1 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.

