

TORQUE AND CURRENT VS SPEED CURVE

Three Phase Induction Motor - Squirrel Cage



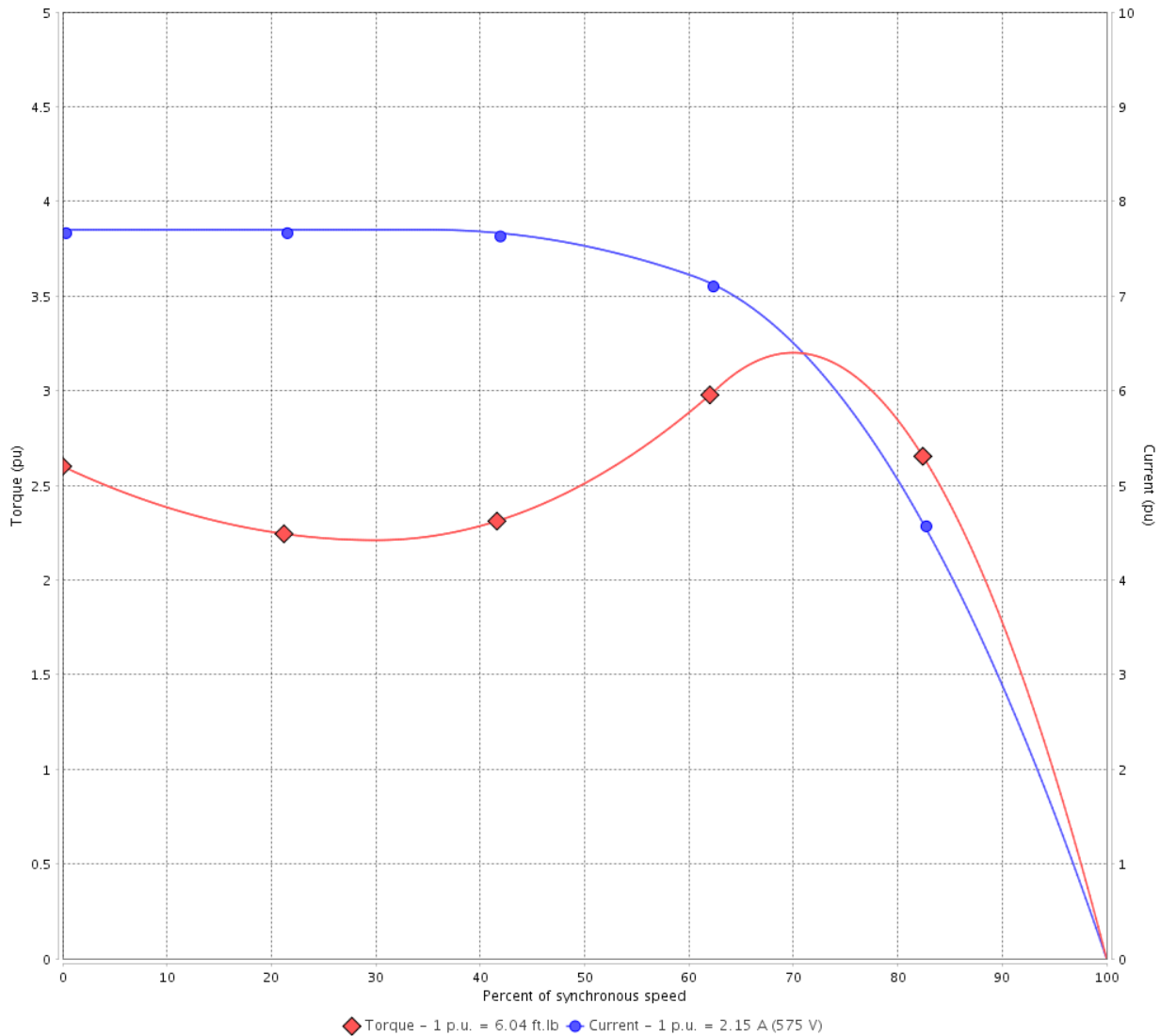
Customer :

Product line : JM Pump NEMA Premium
Efficiency Three-Phase

Product code : 14327846

Catalog # : 00218OT3H145JM-SG

TORQUE AND CURRENT VS SPEED CURVE



Performance : 575 V 60 Hz 4P

Rated current	: 2.15 A	Moment of inertia (J)	: 0.1168 sq.ft.lb
LRC	: 7.7	Duty cycle	: Cont.(S1)
Rated torque	: 6.04 ft.lb	Insulation class	: F
Locked rotor torque	: 260 %	Service factor	: 1.15
Breakdown torque	: 320 %	Temperature rise	: 80 K
Rated speed	: 1740 rpm	Design	: B

Locked rotor time : 30s (cold) 17s (hot)

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Performed by			Page 2 / 6	Revision
Checked by				
Date	14/04/2022			

LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage

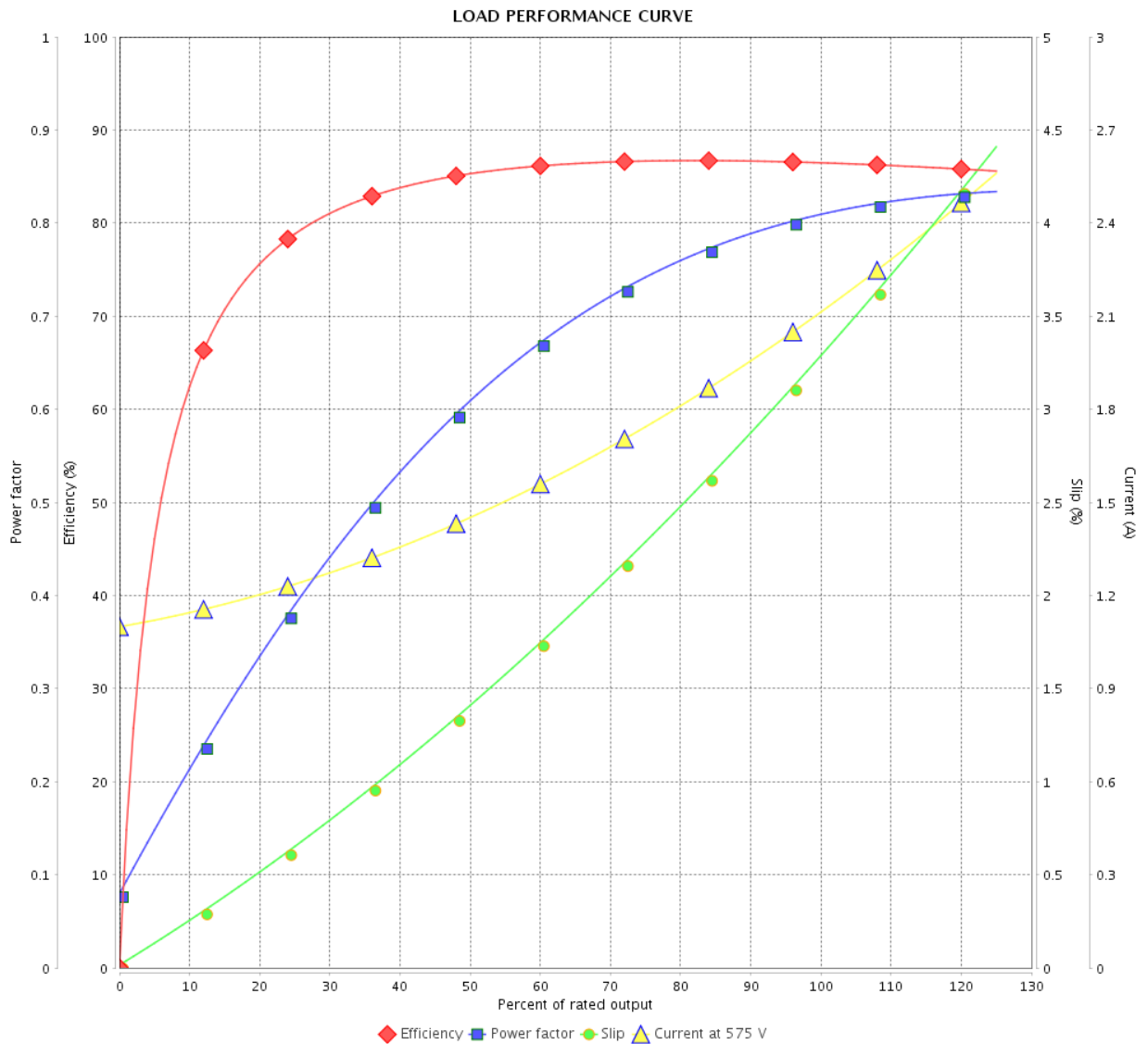


Customer : _____

Product line : JM Pump NEMA Premium
Efficiency Three-Phase

Product code : 14327846

Catalog # : 002180T3H145JM-SG



Performance : 575 V 60 Hz 4P

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 Rated speed : 1740 rpm

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 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

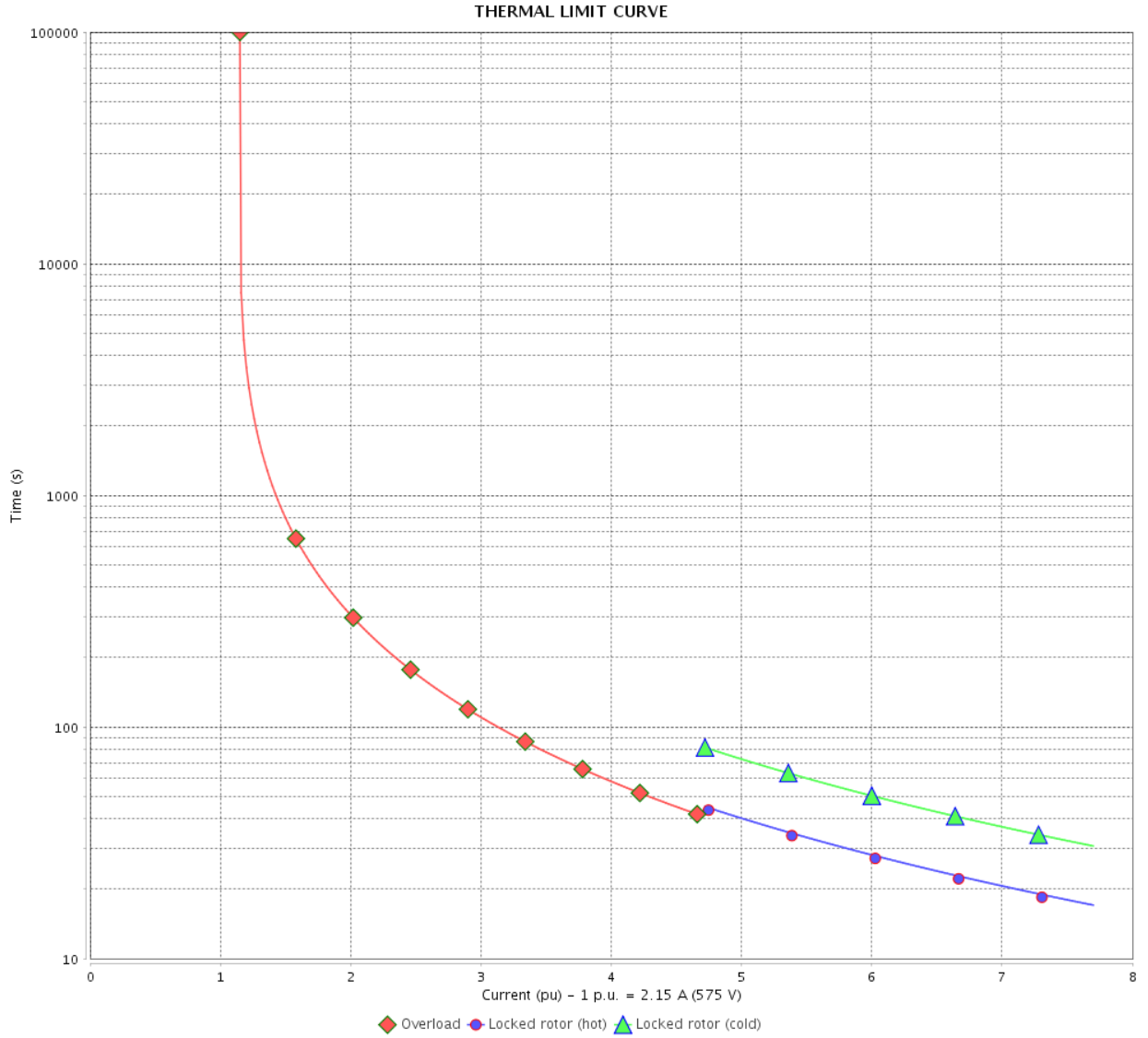
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THERMAL LIMIT CURVE

Three Phase Induction Motor - Squirrel Cage



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VFD OPERATION CURVE

Three Phase Induction Motor - Squirrel Cage

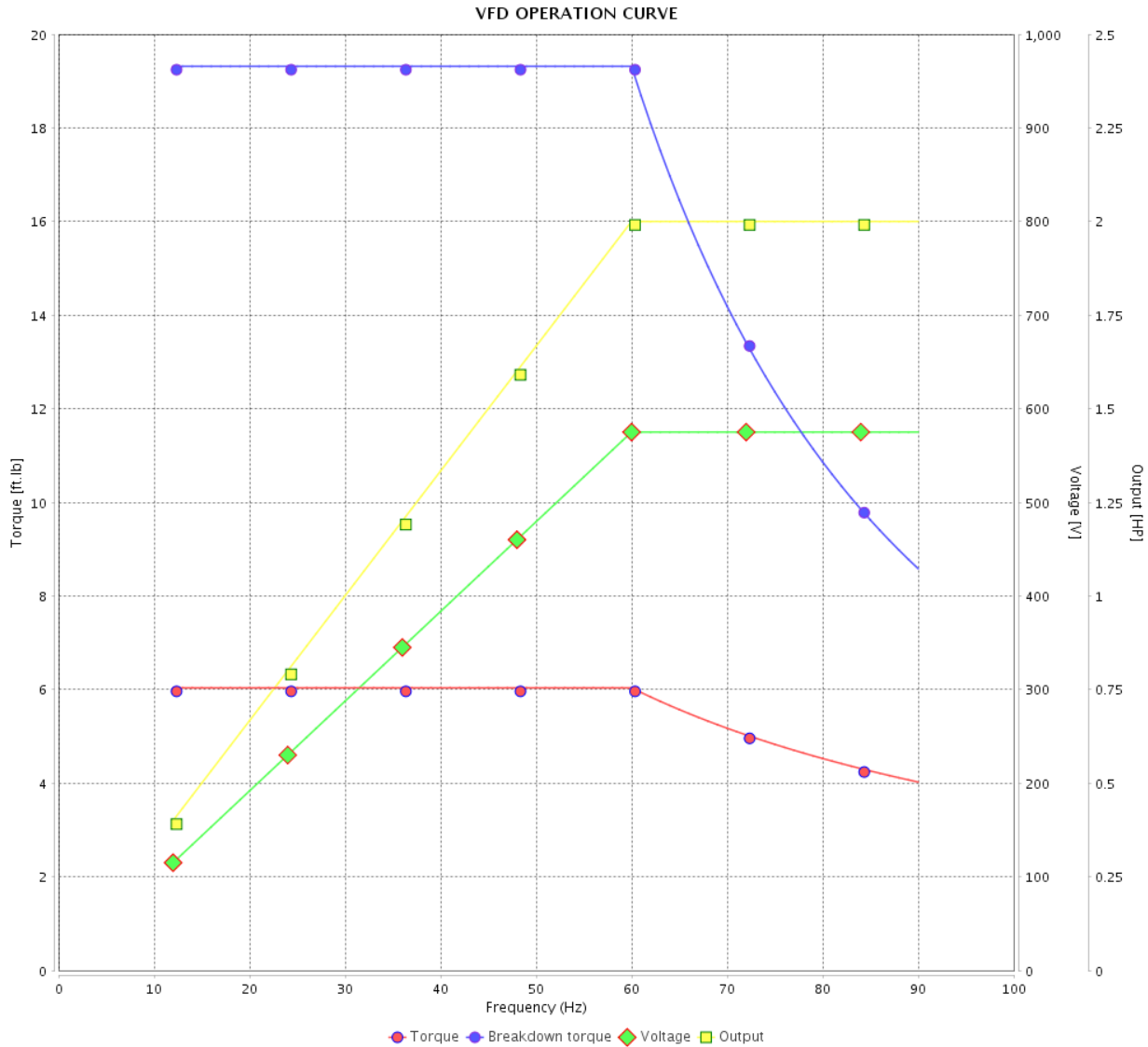


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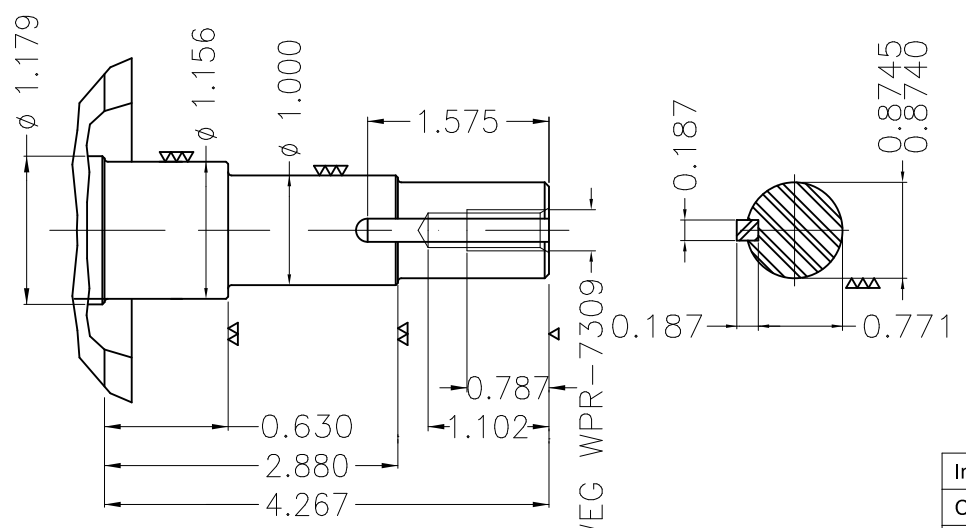
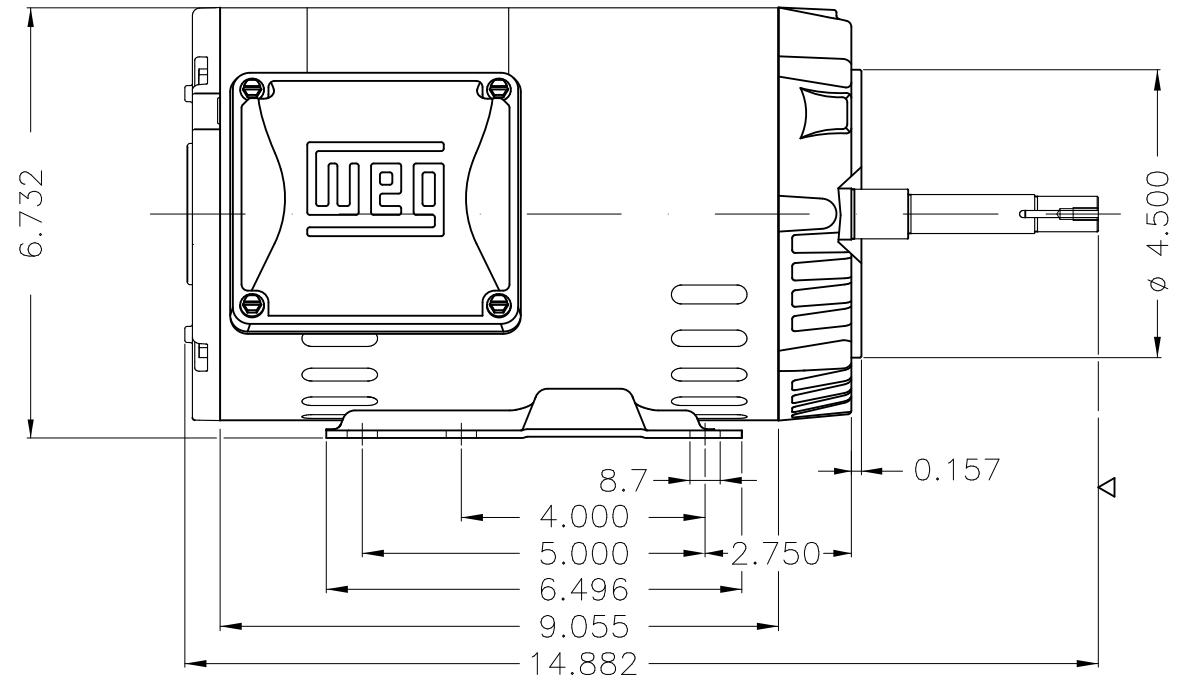
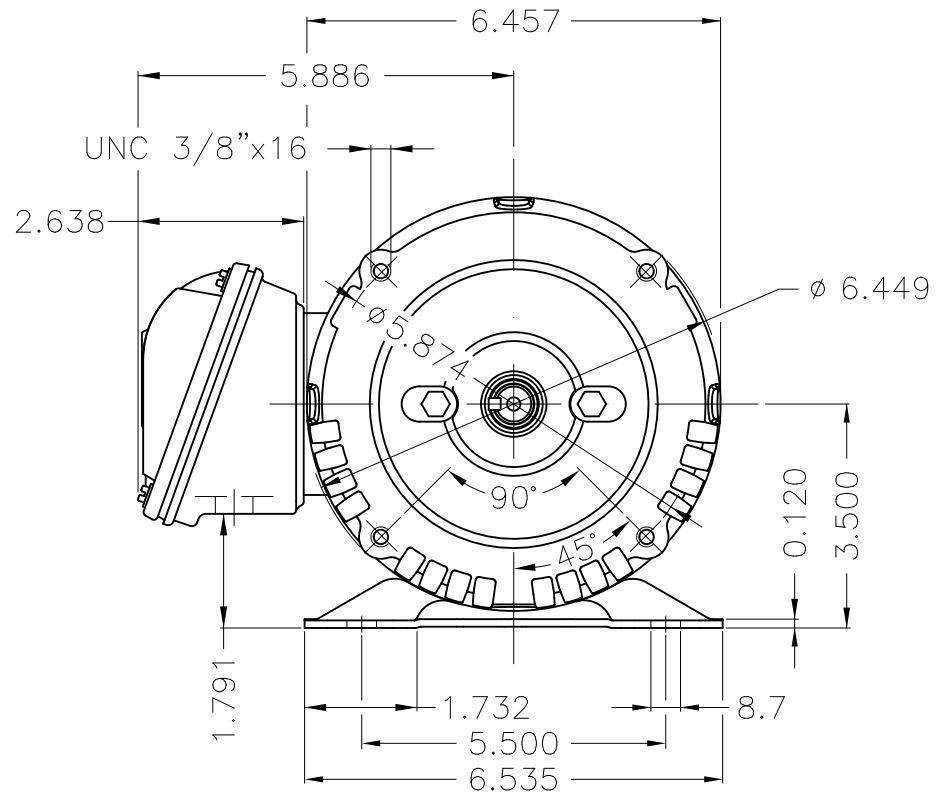
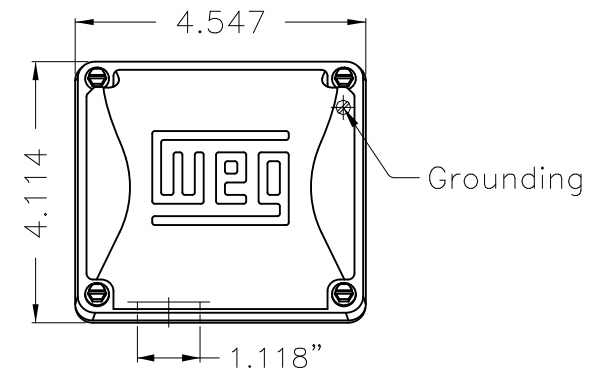
A

B

C

D

E



EUNC 3/8"-16 WEG WPR-7309

DE Shaft End

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	PIRWUSER	THREE PH. MOTOR ROLLED STEEL CLOSE COUPLED PUMP JN TYPE PSE 1/2					
CHECKED		FRAME 143/5JM IP21 ODP					
RELEASED							
REL DT.	WMO	Jaragua do Sul	Product Engineering	WDD	SHEET	1 / 1	

2 HP 04 Poles 60 Hz





NEMA
Premium



MADE IN MEXICO

MAT: 14327846 CC029A

W01.T00IC0X0N

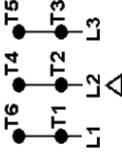
JM002504DPNPW01GR

10FEB2022 B/N:

PH 3	Hz 60	HP 2.0
FR 143/5JM		KW 1.5
DUTY CONT.		V 575
ALT 1000 m.a.s.l.		A 2.15
INS CL F AT 80K		SFA 2.47
AMB 40°C	DES B	SF 1.15
ENCL ODP	CODE K	PF 0.81
		RPM 1740
		NEMA NOM. EFF 86.5%

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

DE 6206-ZZ ODE 6203-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.

