

DATA SHEET



Three Phase Induction Motor - Squirrel Cage

Customer :						
Product line		: JM Pump NEMA Premium Efficiency Three-Phase		Product code : 13221487		
				Catalog # : 00718ET3H213JM-SG		
Frame	: 213/5JM			Locked rotor time	: 39s (cold) 22s (hot)	
Output	: 7.5 HP (5.5 kW)			Temperature rise	: 80 K	
Poles	: 4			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	: 7.26 A			Protection degree	: IP55	
L. R. Amperes	: 53.0 A			Cooling method	: IC411 - TEFC	
LRC	: 7.3x(Code H)			Mounting	: F-1	
No load current	: 3.52 A			Rotation ¹	: Both (CW and CCW)	
Rated speed	: 1770 rpm			Noise level ²	: 60.0 dB(A)	
Slip	: 1.67 %			Starting method	: Direct On Line	
Rated torque	: 22.3 ft.lb			Approx. weight ³	: 131 lb	
Locked rotor torque	: 260 %					
Breakdown torque	: 300 %					
Insulation class	: F					
Service factor	: 1.15					
Moment of inertia (J)	: 0.9380 sq.ft.lb					
Design	: B					
Output	25%	50%	75%	100%	Foundation loads	
Efficiency (%)	89.4	90.2	91.0	91.7	Max. traction : 311 lb	
Power Factor	0.39	0.64	0.76	0.82	Max. compression : 442 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.			These are average values based on tests with sinusoidal power supply, subject to the tolerances stipulated in NEMA MG-1.			
(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.						
Rev.	Changes Summary			Performed	Checked	Date
Performed by						
Checked by					Page	Revision
Date	13/04/2022				1 / 6	

TORQUE AND CURRENT VS SPEED CURVE

Three Phase Induction Motor - Squirrel Cage

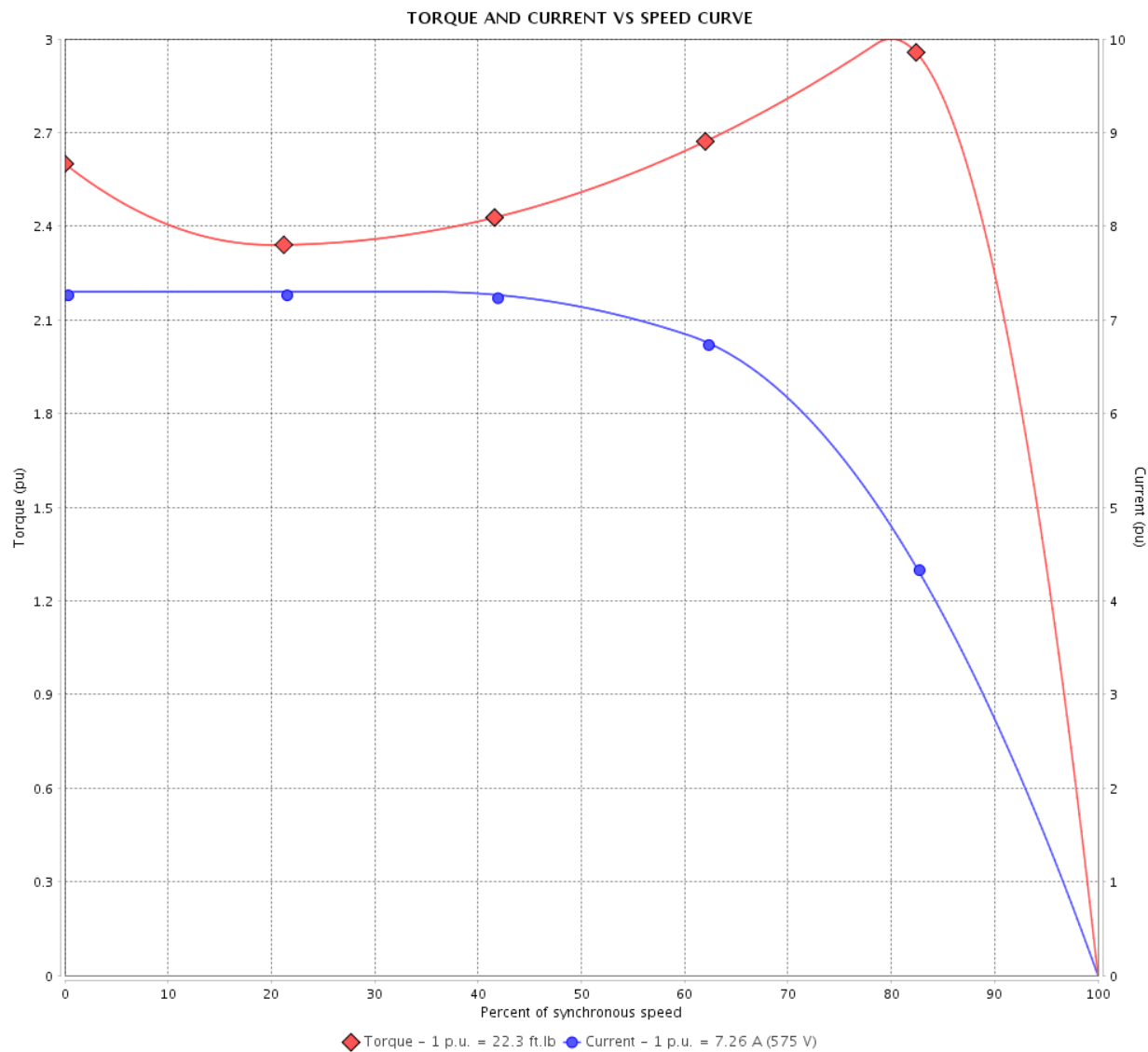


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Catalog # : 00718ET3H213JM-SG



Performance : 575 V 60 Hz 4P

Rated current	: 7.26 A	Moment of inertia (J)	: 0.9380 sq.ft.lb
LRC	: 7.3	Duty cycle	: Cont.(S1)
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Locked rotor torque	: 260 %	Service factor	: 1.15
Breakdown torque	: 300 %	Temperature rise	: 80 K
Rated speed	: 1770 rpm	Design	: B

Locked rotor time : 39s (cold) 22s (hot)

Rev.	Changes Summary	Performed	Checked	Date
Performed by			Page 2 / 6	Revision
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LOAD PERFORMANCE CURVE

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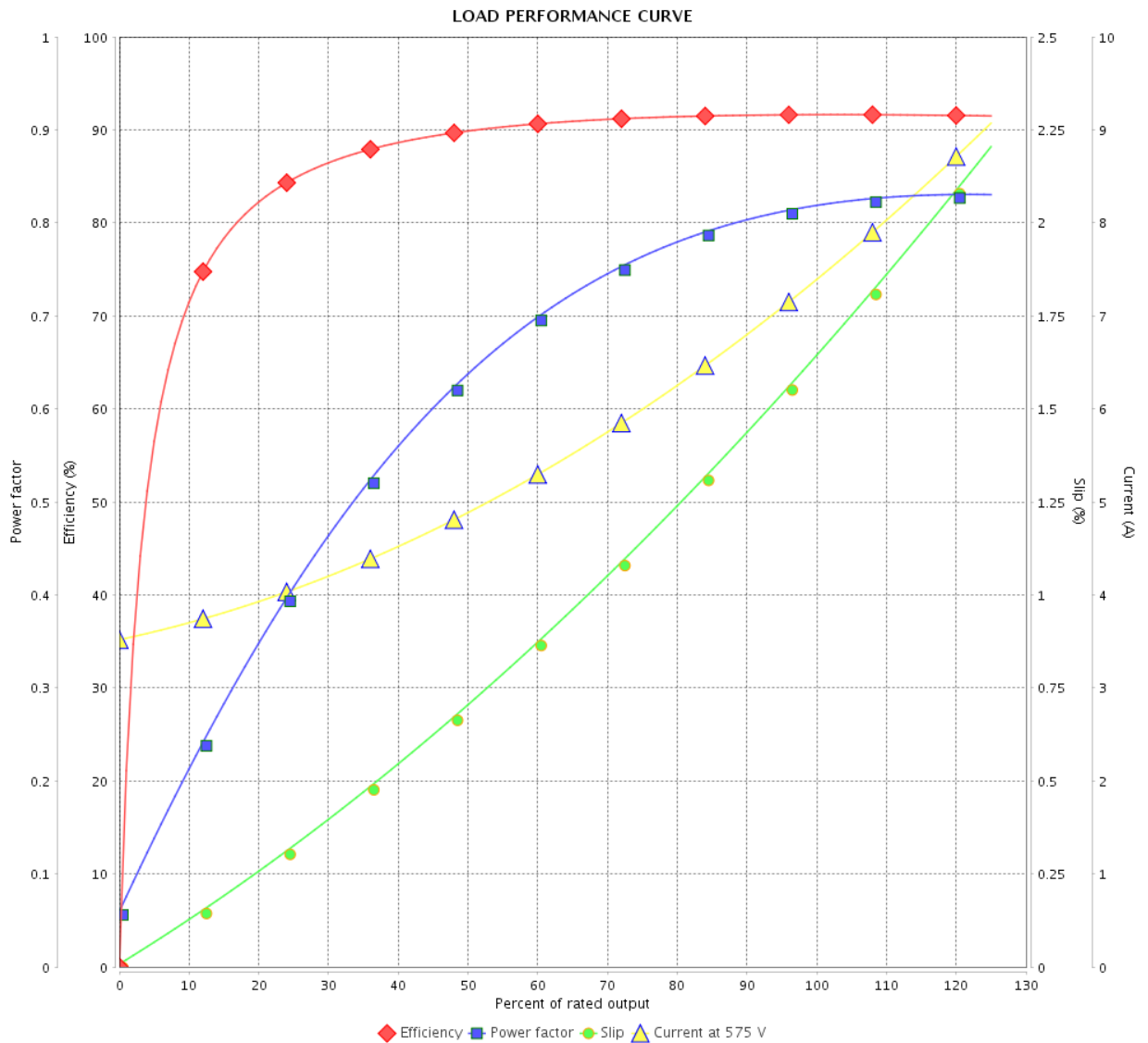


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Rev.	Changes Summary	Performed	Checked	Date
Performed by				
Checked by				
Date				
			Page	Revision
			3 / 6	

THERMAL LIMIT CURVE



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Temperature rise : 80 K
Design : B

Heating constant

Cooling constant

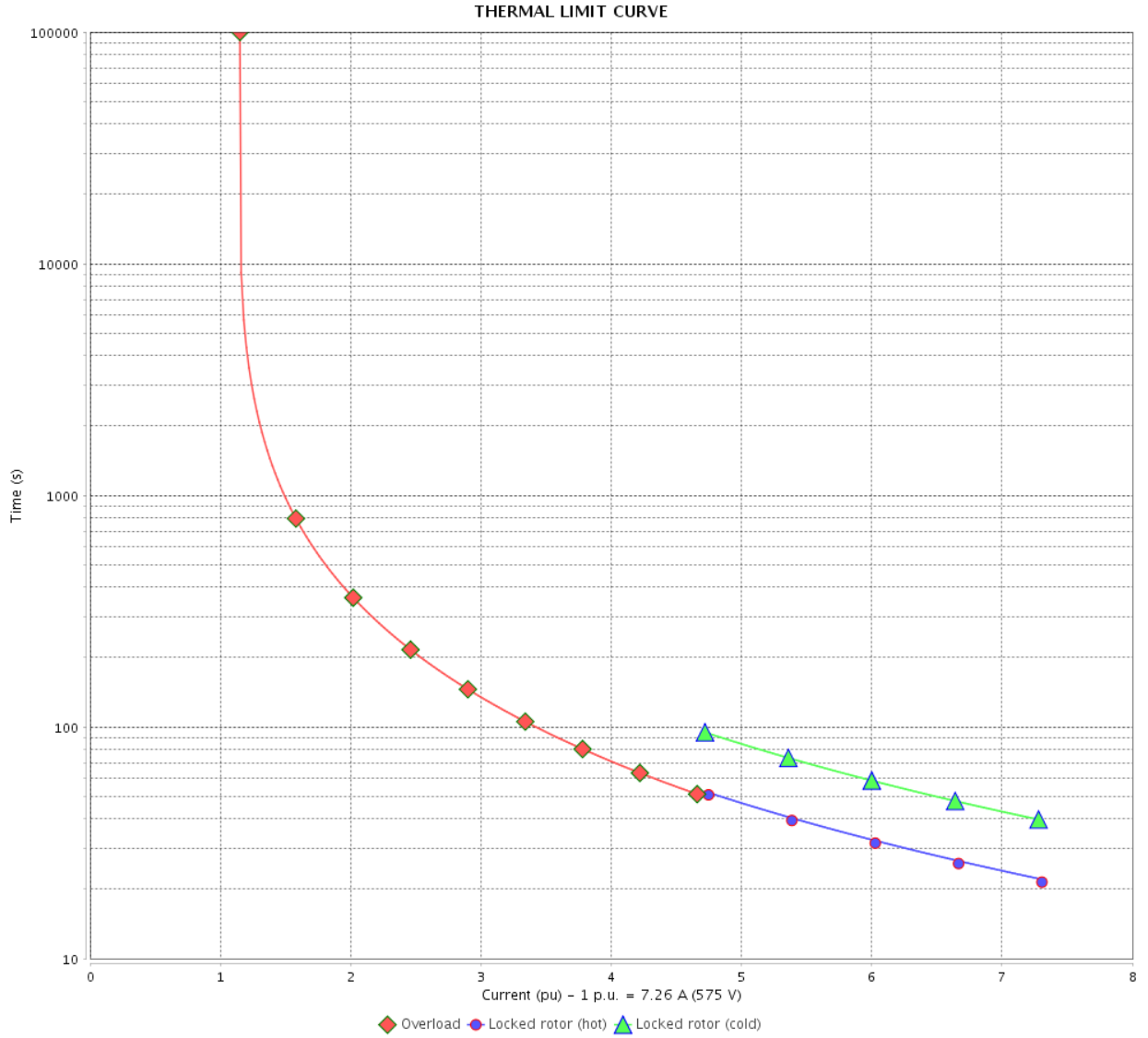
Rev.	Changes Summary	Performed	Checked	Date
Performed by				
Checked by			Page	Revision
Date	13/04/2022		4 / 6	

THERMAL LIMIT CURVE

Three Phase Induction Motor - Squirrel Cage



Customer : _____



Rev.	Changes Summary	Performed	Checked	Date
Performed by		Page 5 / 6		Revision
Checked by				
Date				

VFD OPERATION CURVE

Three Phase Induction Motor - Squirrel Cage



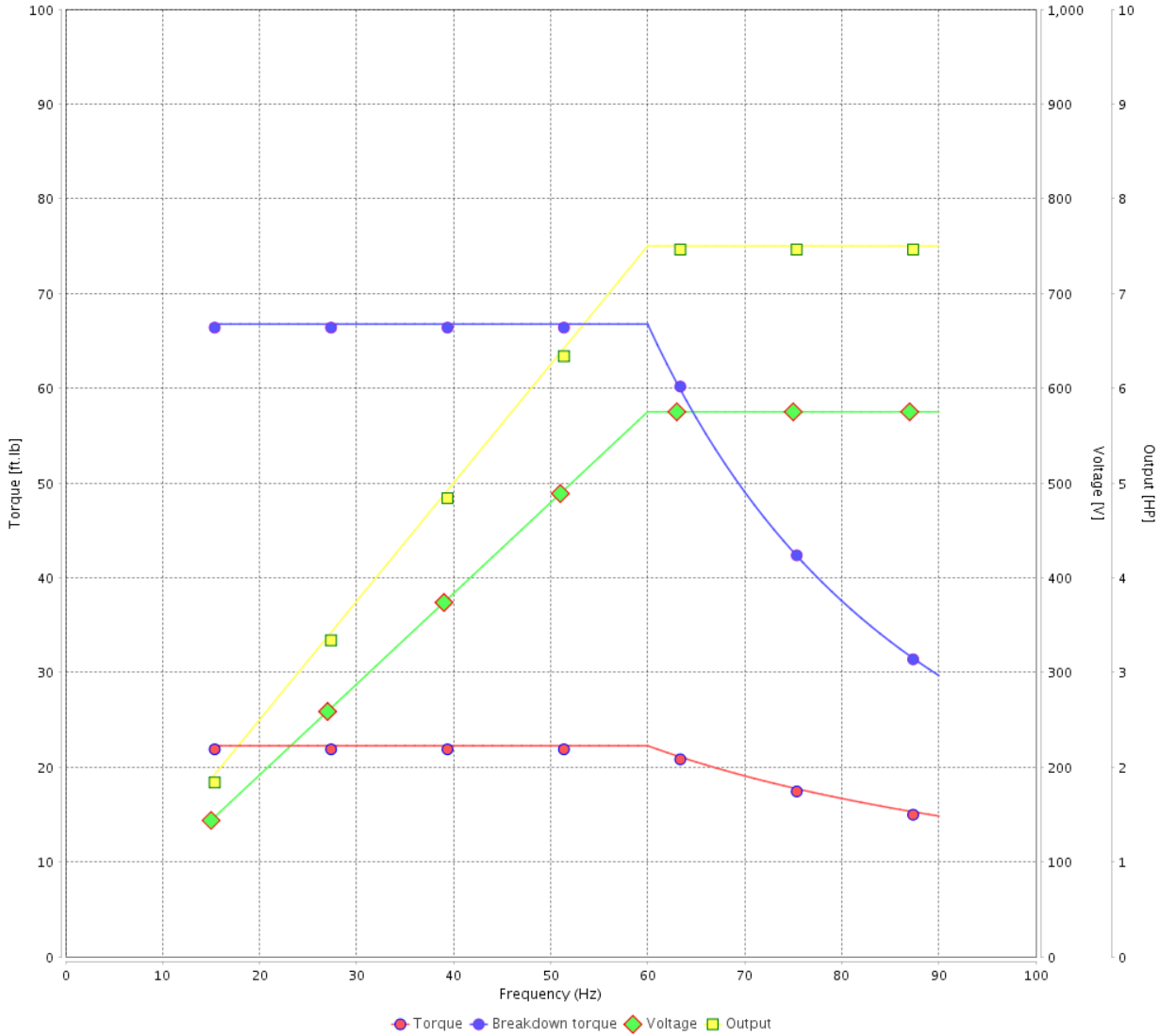
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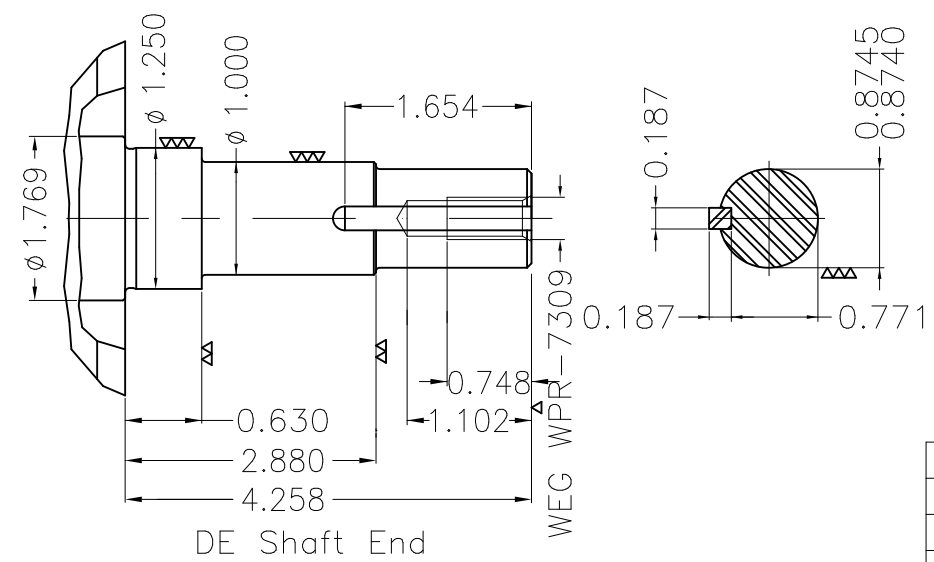
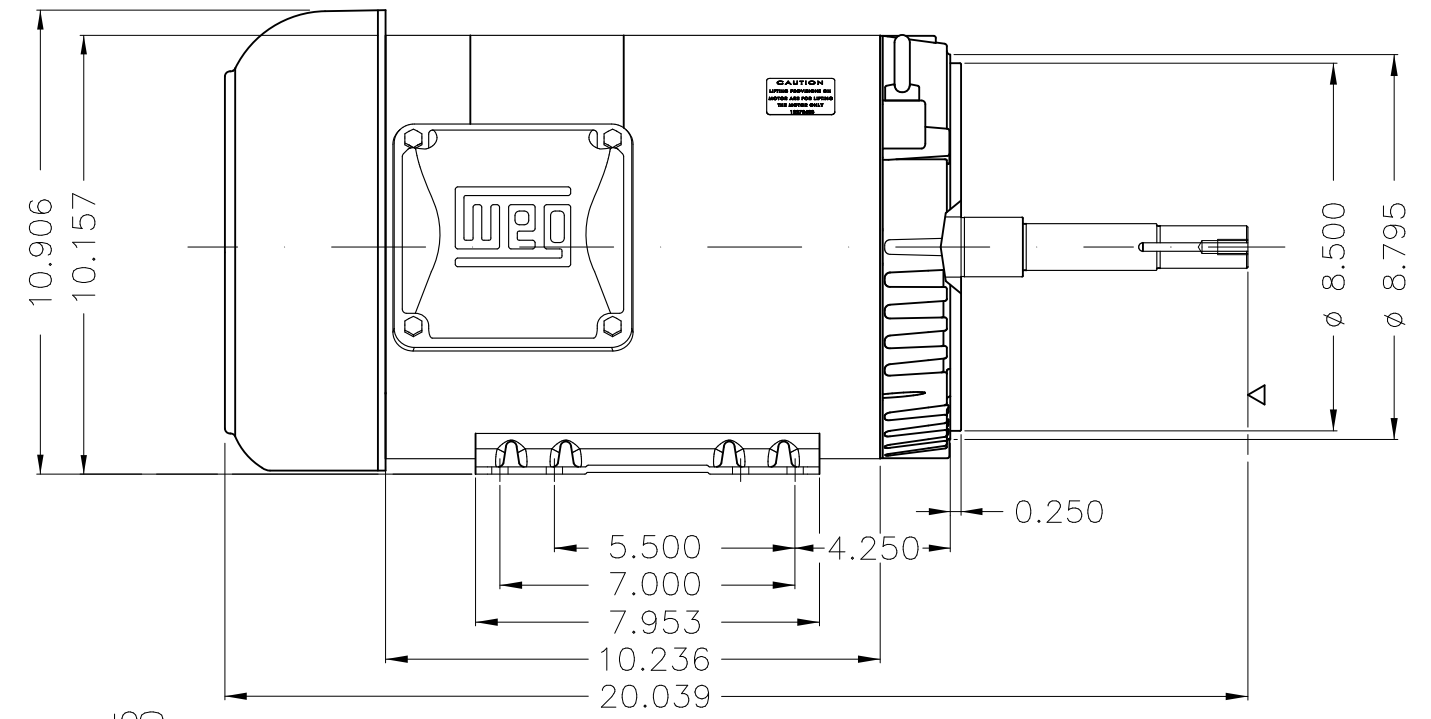
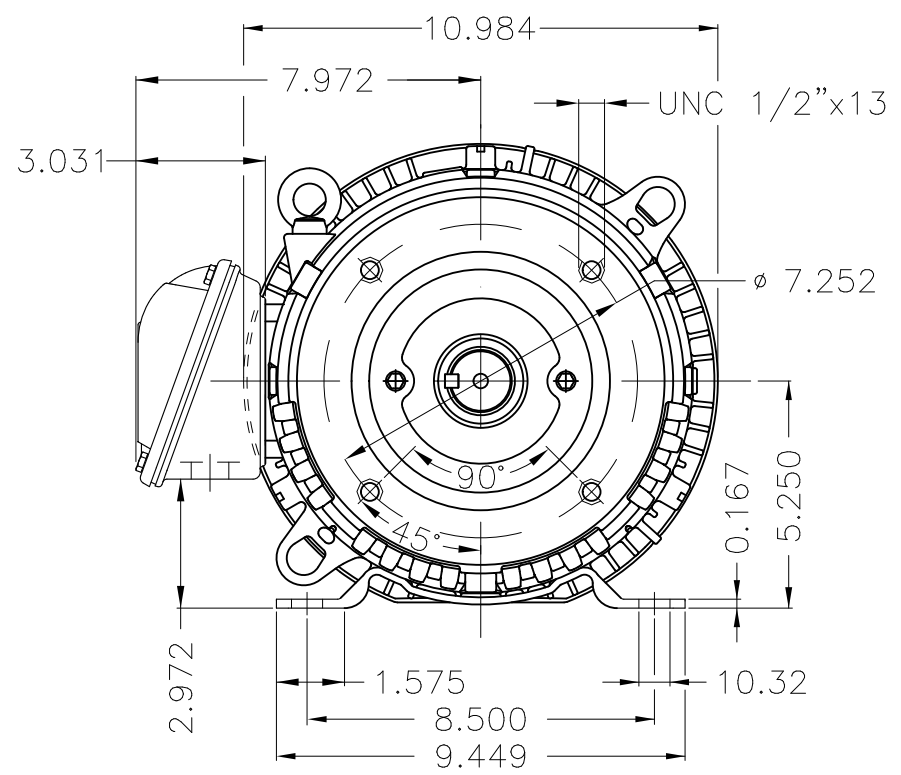
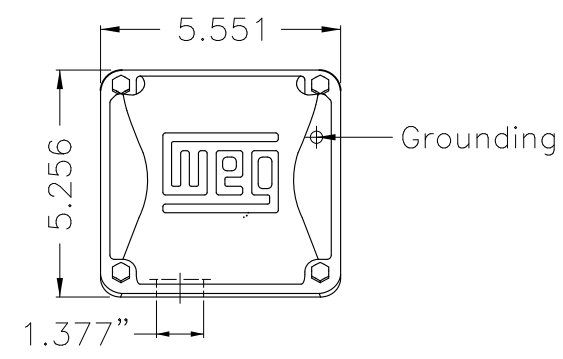
A

B

C

D

E



EUNC 3/8" - 16 WEG WPR-7309

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 PSE 1/2 HP					
CHECKED		FRAME 213/5JM IP55 TEFC					
RELEASED							
REL DT.	WMO	Jaragua do Sul	Product Engineering	WDD	SHEET	1 / 1	

7.5 HP 04 Poles 60 Hz





NEMA
Premium



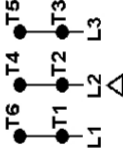
MADE IN MEXICO

MAT: 13221487 CC029A
W01.TE0IC0X0N
JM007504NPW01GR
28FEB2022 S/N:

PH 3	Hz 60	HP 7.5
FR 213/5JM		KW 5.5
DUTY CONT.		V 575
ALT 1000 m.a.s.l.		A 7.26
INS CL F AT 80K	IP55	SFA 8.35
AMB 40°C	DES B	SF 1.15
ENCL TEFC	CODE H	PF 0.82
		RPM 1770
		NEMA NOM. EFF 91.7%

Inverter duty motor For use on VPWM 1000:1 VT, 4:1 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.

