

DATA SHEET



Three Phase Induction Motor - Squirrel Cage

Customer :																			
Product line	: JM Pump NEMA Premium Efficiency Three-Phase																		
Product code :	13503423																		
Catalog # :	01536OT3V215JMV-S																		
Frame : 213/5JM Output : 15 HP (11 kW) Poles : 2 Frequency : 60 Hz Rated voltage : 200/400 V Rated current : 39.6/19.8 A L. R. Amperes : 269/135 A LRC : 6.8x(Code G) No load current : 14.2/7.09 A Rated speed : 3535 rpm Slip : 1.81 % Rated torque : 22.3 ft.lb Locked rotor torque : 210 % Breakdown torque : 280 % Insulation class : F Service factor : 1.15 Moment of inertia (J) : 0.5512 sq.ft.lb Design : B	Locked rotor time : 14s (cold) 8s (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 : W-6 Rotation ¹ : Both (CW and CCW) Noise level ² : 66.0 dB(A) Starting method : Direct On Line Approx. weight ³ : 139 lb																		
Output	25% 50% 75% 100%																		
Efficiency (%)	90.1 90.2 90.2 90.2																		
Power Factor	0.50 0.77 0.86 0.89																		
Foundation loads																			
Max. traction	: 282 lb																		
Max. compression	: 421 lb																		
	<table border="0"> <tr> <td></td> <td style="text-align: center;"><u>Drive end</u></td> <td style="text-align: center;"><u>Non drive end</u></td> </tr> <tr> <td>Bearing type :</td> <td style="text-align: center;">6209 ZZ</td> <td style="text-align: center;">6206 ZZ</td> </tr> <tr> <td>Sealing :</td> <td style="text-align: center;">Without Bearing Seal</td> <td style="text-align: center;">Without Bearing Seal</td> </tr> <tr> <td>Lubrication interval :</td> <td style="text-align: center;">-</td> <td style="text-align: center;">-</td> </tr> <tr> <td>Lubricant amount :</td> <td style="text-align: center;">-</td> <td style="text-align: center;">-</td> </tr> <tr> <td>Lubricant type :</td> <td colspan="2" style="text-align: center;">Mobil Polyrex EM</td> </tr> </table>		<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	
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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	13/04/2022		1 / 6																

TORQUE AND CURRENT VS SPEED CURVE

Three Phase Induction Motor - Squirrel Cage



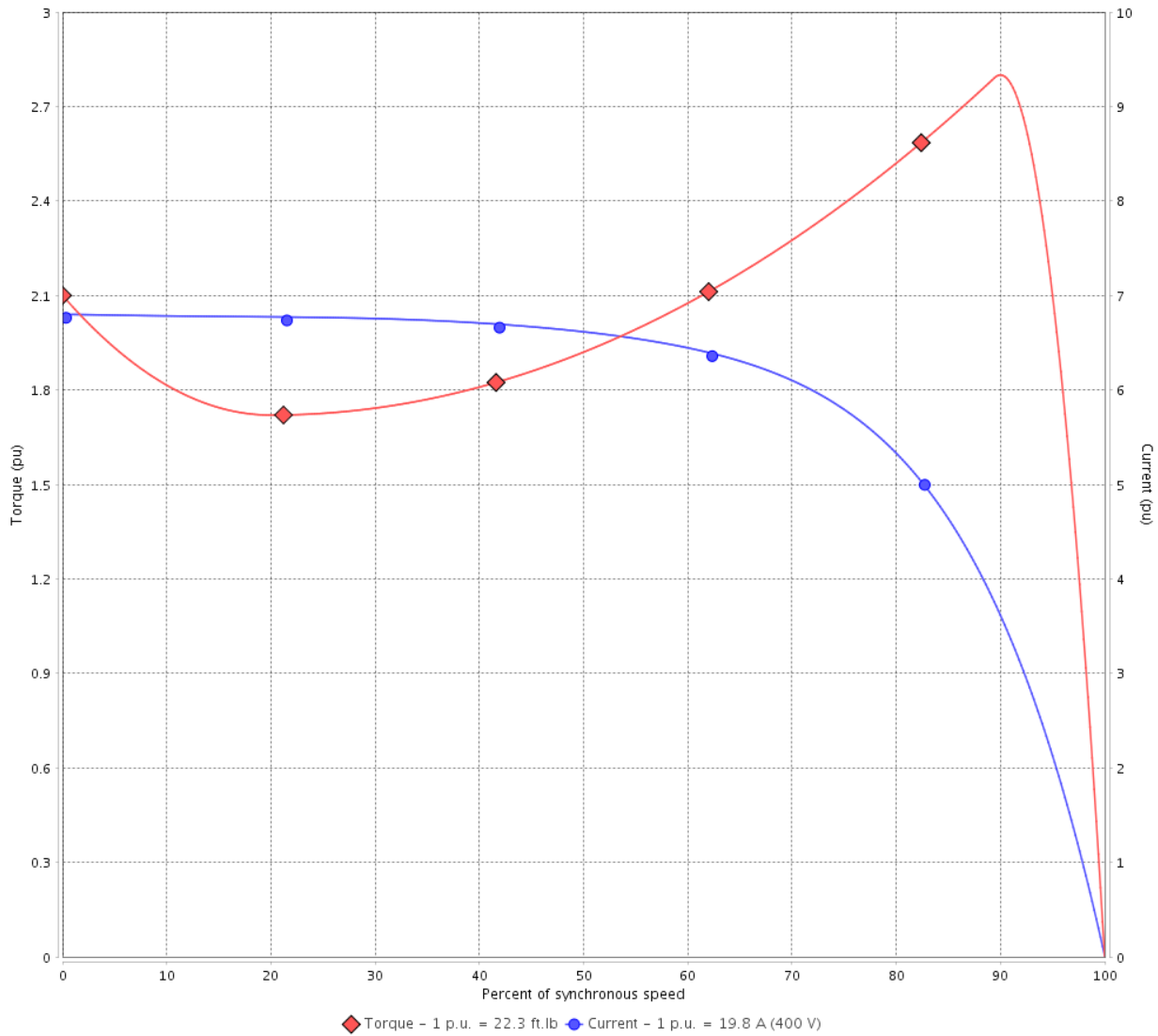
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Catalog # : 01536OT3V215JMV-S

TORQUE AND CURRENT VS SPEED CURVE



Performance : 200/400 V 60 Hz 2P

Rated current	: 39.6/19.8 A	Moment of inertia (J)	: 0.5512 sq.ft.lb
LRC	: 6.8	Duty cycle	: Cont.(S1)
Rated torque	: 22.3 ft.lb	Insulation class	: F
Locked rotor torque	: 210 %	Service factor	: 1.15
Breakdown torque	: 280 %	Temperature rise	: 80 K
Rated speed	: 3535 rpm	Design	: B

Locked rotor time : 14s (cold) 8s (hot)

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Checked by				
Date	13/04/2022			

LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage

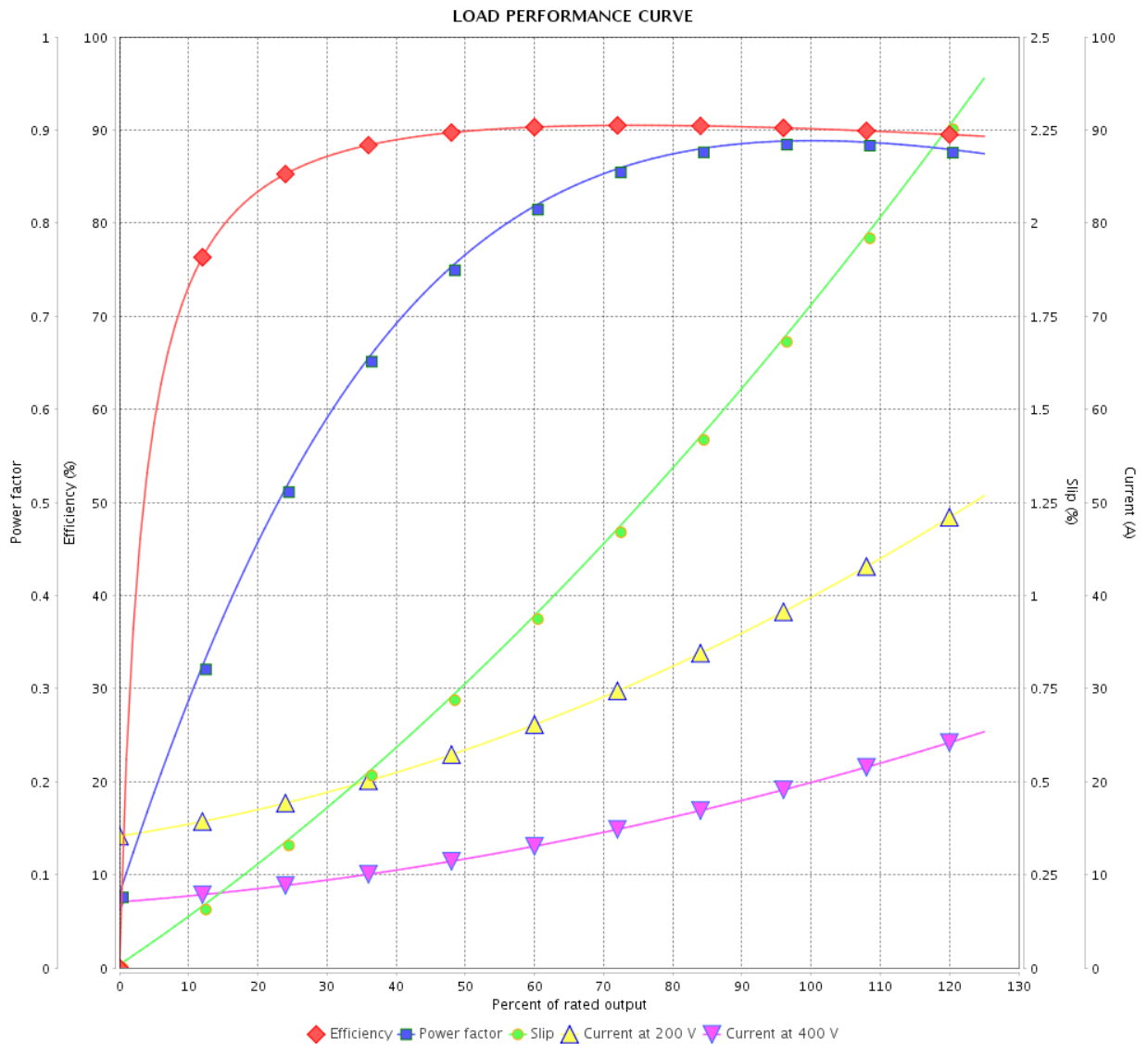


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THERMAL LIMIT CURVE



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Temperature rise : 80 K
Design : B

Heating constant

Cooling constant

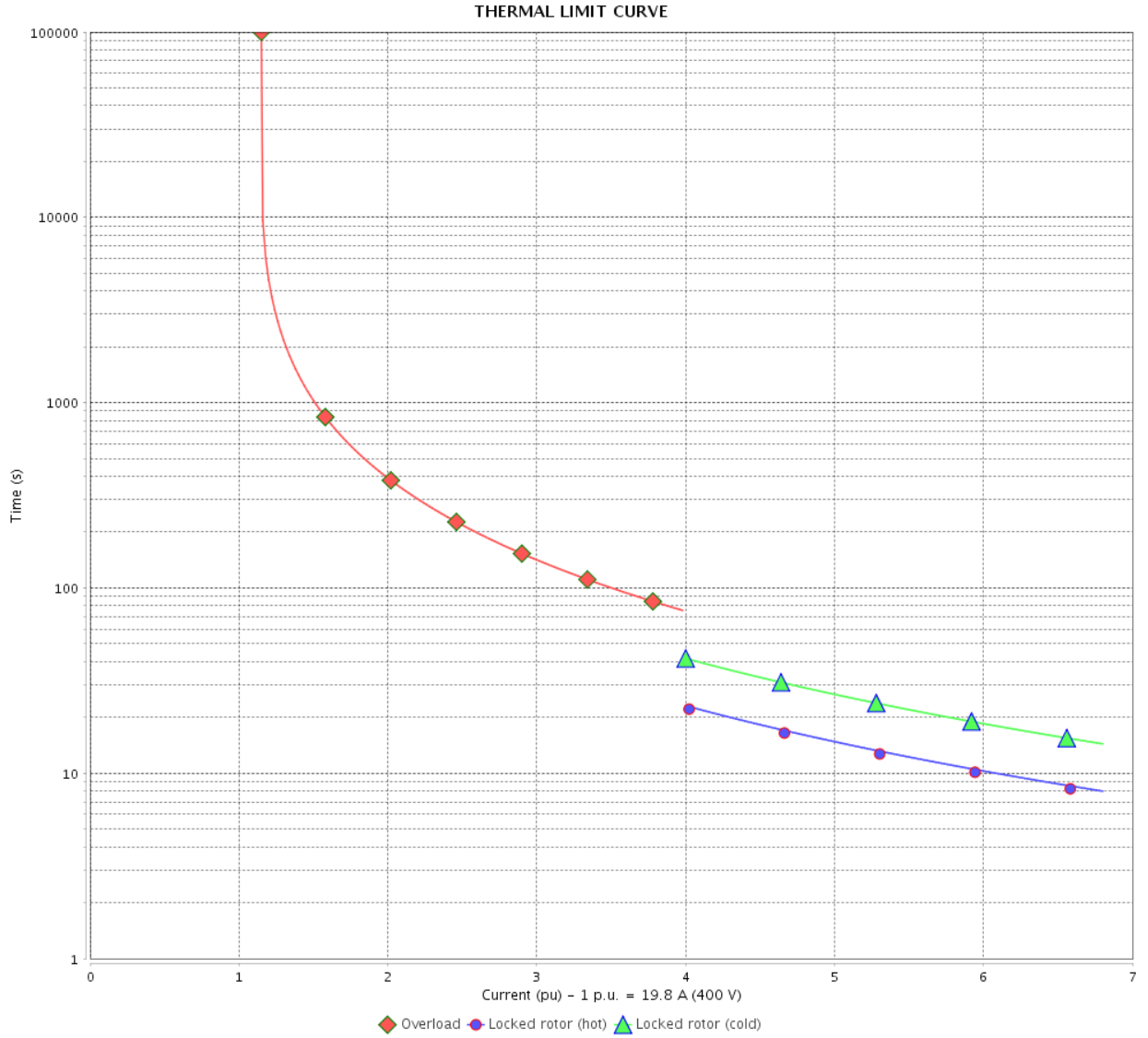
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THERMAL LIMIT CURVE

Three Phase Induction Motor - Squirrel Cage



Customer : _____



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VFD OPERATION CURVE

Three Phase Induction Motor - Squirrel Cage



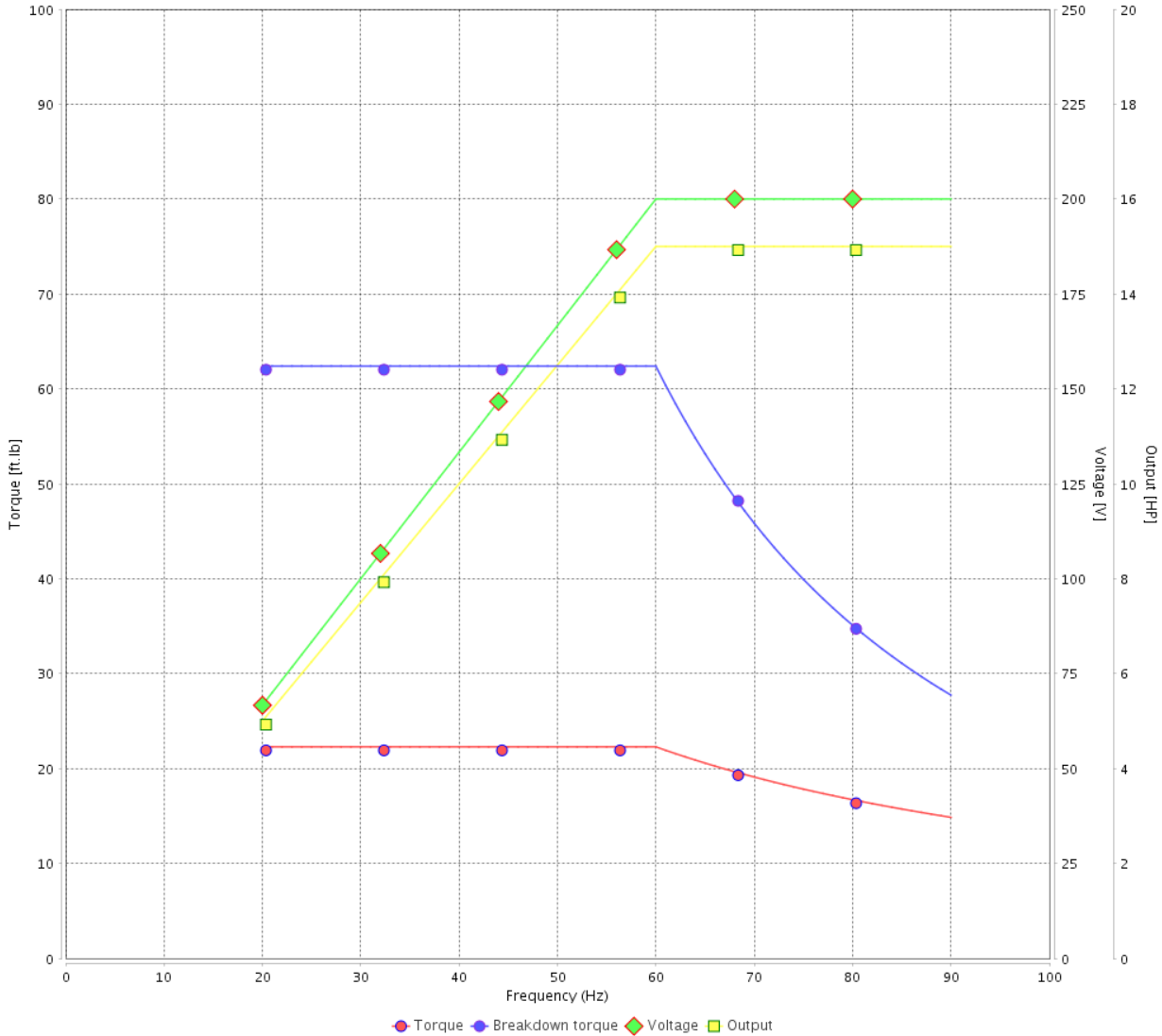
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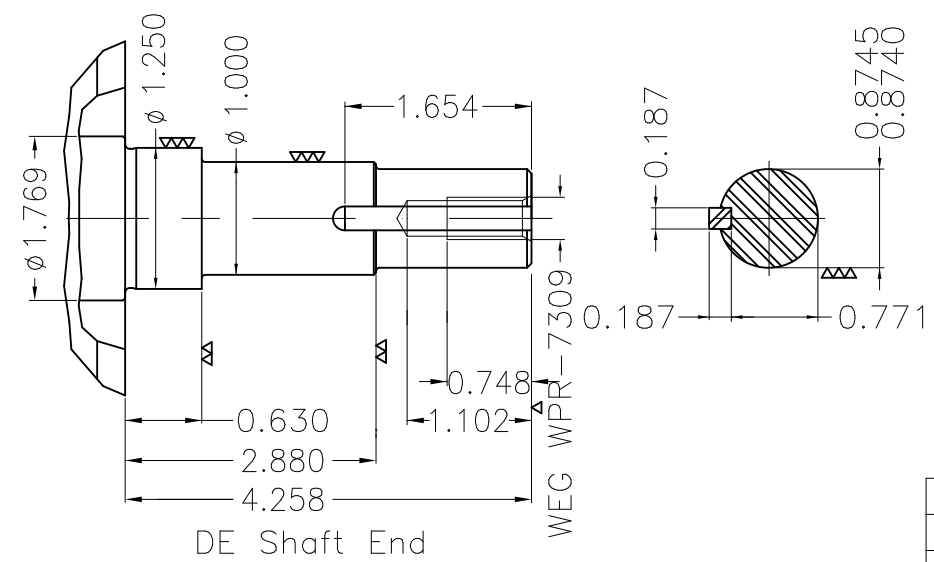
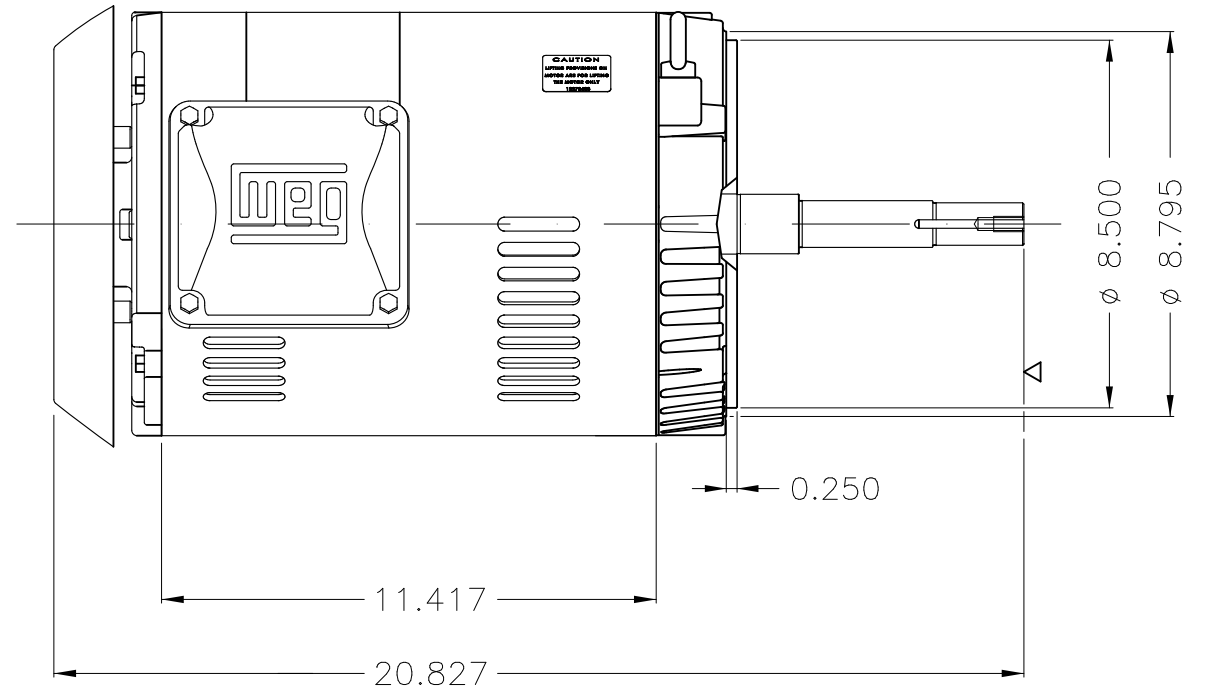
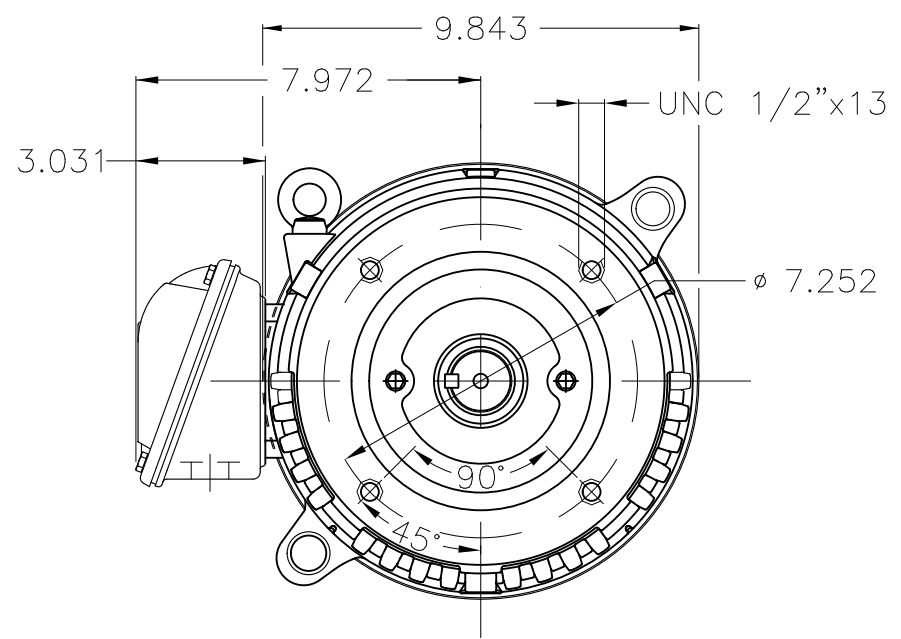
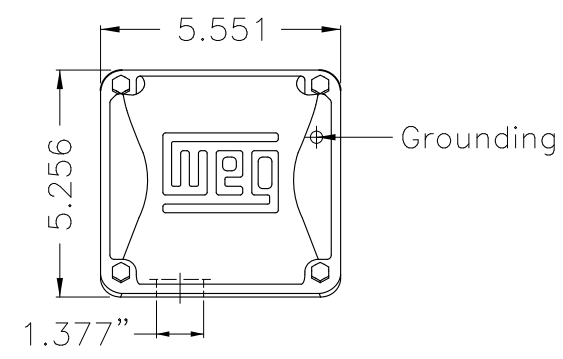
A

B

C

D

E



EUNC 3/8" - 16 WEG WPR-7309

Color Munsell N 1 matte black									
Painting plan 207N									
Mounting W-6/V18R(D)									
ECM	LOC	SUMMARY OF MODIFICATIONS			EXECUTED	CHECKED	RELEASED	DATE	VER
EXECUTED	PIRWBUSER	THREE PH. MOTOR ROLLED STEEL CLOSE COUPLED PUMP JN TYPE PSE 187							
CHECKED		FRAME 213/5JM IP21 ODP							
RELEASED									
REL DT.		WMO	Jaragua do Sul	Product Engineering					

PREVIEW
WDD



15 HP 02 Poles 60 Hz

WEG
NEMA
Premium

MADE IN MEXICO

MAT: 13503423 CC029A

W01.T00IC0X0N

MODEL 015360T3V215JMV-S

14SET2020 S/N:

PH 3 FR 213/5JM |HP(kw) 15(11)

V 200/400

RPM 3535

Hz 60

A 39.6/19.8

DUTY CONT.

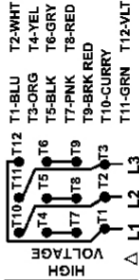
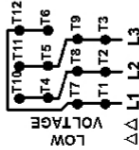
SFA 45.5/22.8

CODE G

SF 1.15 |INS CL F ΔT 80K |AMB 40°C |ENCL ODP

ALT 1000 m.a.s.l. |NEMA NOM.EFF. 90.2% |PF 0.89

ALTERNATE RATING:



INTERCHANGE ANY TWO LINE WIRES TO REVERSE THE ROTATION

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

DE: 6209-ZZ ODE: 6206-ZZ MOBIL POLYREX EM

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.

