

DATA SHEET



Three Phase Induction Motor - Squirrel Cage

Customer		:				
Product line		: JM Pump NEMA Premium Efficiency Three-Phase		Product code : 13500441		
				Catalog # : 01036OT3V213JMV-S		
Frame		: 213/5JM		Locked rotor time		
Output		: 10 HP (7.5 kW)		: 19s (cold) 11s (hot)		
Poles		: 2		Temperature rise		
Frequency		: 60 Hz		: 80 K		
Rated voltage		: 200/400 V		Duty cycle		
Rated current		: 27.6/13.8 A		: Cont.(S1)		
L. R. Amperes		: 188/93.8 A		Ambient temperature		
LRC		: 6.8x(Code H)		: -20°C to +40°C		
No load current		: 10.7/5.36 A		Altitude		
Rated speed		: 3535 rpm		: 1000 m.a.s.l.		
Slip		: 1.81 %		Cooling method		
Rated torque		: 14.9 ft.lb		: IC01 - ODP		
Locked rotor torque		: 200 %		Mounting		
Breakdown torque		: 280 %		: W-6		
Insulation class		: F		Rotation ¹		
Service factor		: 1.15		: Both (CW and CCW)		
Moment of inertia (J)		: 0.4651 sq.ft.lb		Noise level ²		
Design		: B		: 66.0 dB(A)		
				Starting method		
				: Direct On Line		
				Approx. weight ³		
				: 122 lb		
Output	25%	50%	75%	100%	Foundation loads	
Efficiency (%)	88.3	88.5	89.5	89.5	Max. traction	
Power Factor	0.47	0.74	0.84	0.88	: 173 lb	
					Max. compression	
					: 295 lb	
		<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				
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
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TORQUE AND CURRENT VS SPEED CURVE

Three Phase Induction Motor - Squirrel Cage



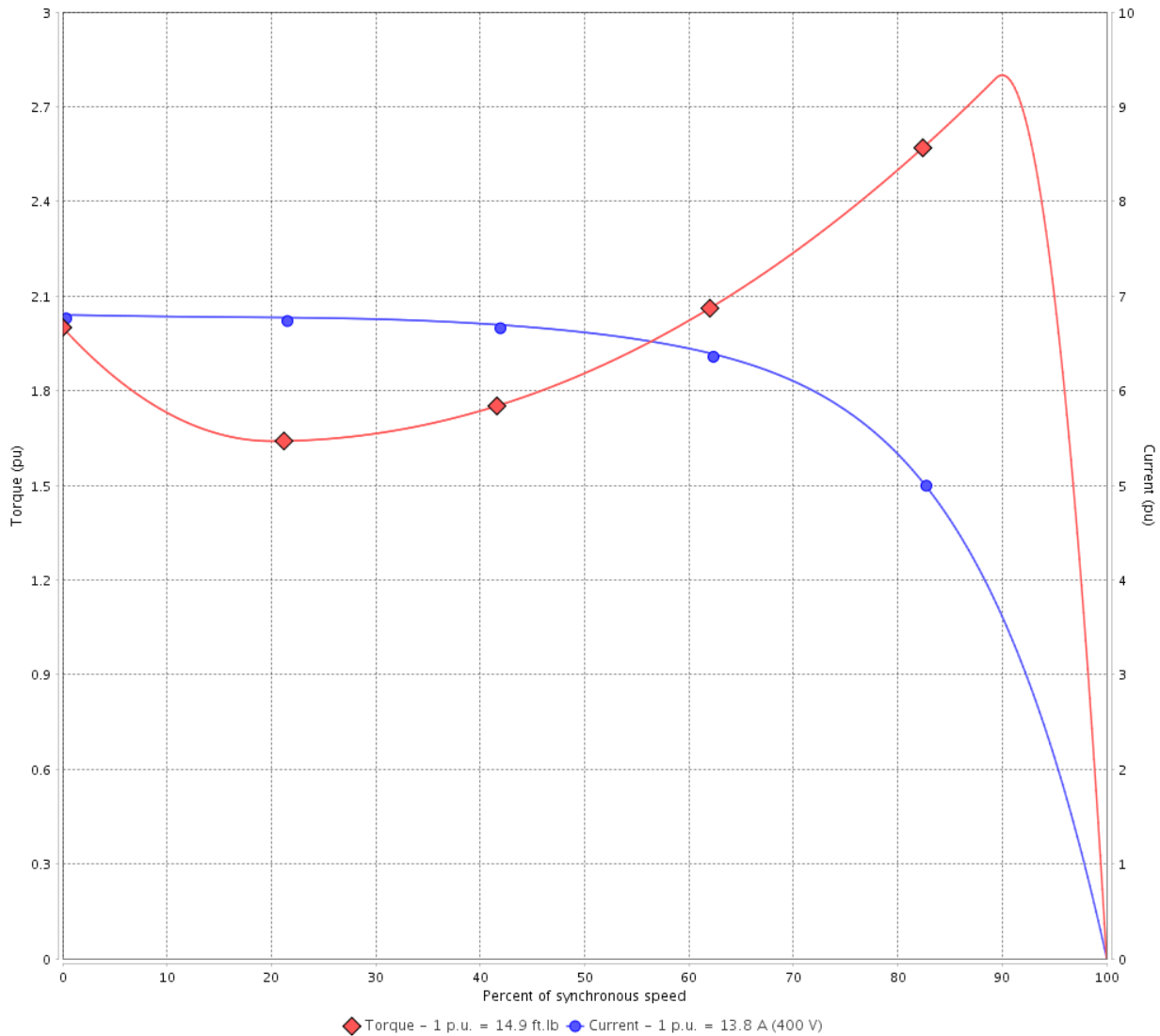
Customer :

Product line : JM Pump NEMA Premium
Efficiency Three-Phase

Product code : 13500441

Catalog # : 01036OT3V213JMV-S

TORQUE AND CURRENT VS SPEED CURVE



Performance : 200/400 V 60 Hz 2P

Rated current : 27.6/13.8 A
LRC : 6.8
Rated torque : 14.9 ft.lb
Locked rotor torque : 200 %
Breakdown torque : 280 %
Rated speed : 3535 rpm

Moment of inertia (J) : 0.4651 sq.ft.lb
Duty cycle : Cont.(S1)
Insulation class : F
Service factor : 1.15
Temperature rise : 80 K
Design : B

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

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LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage

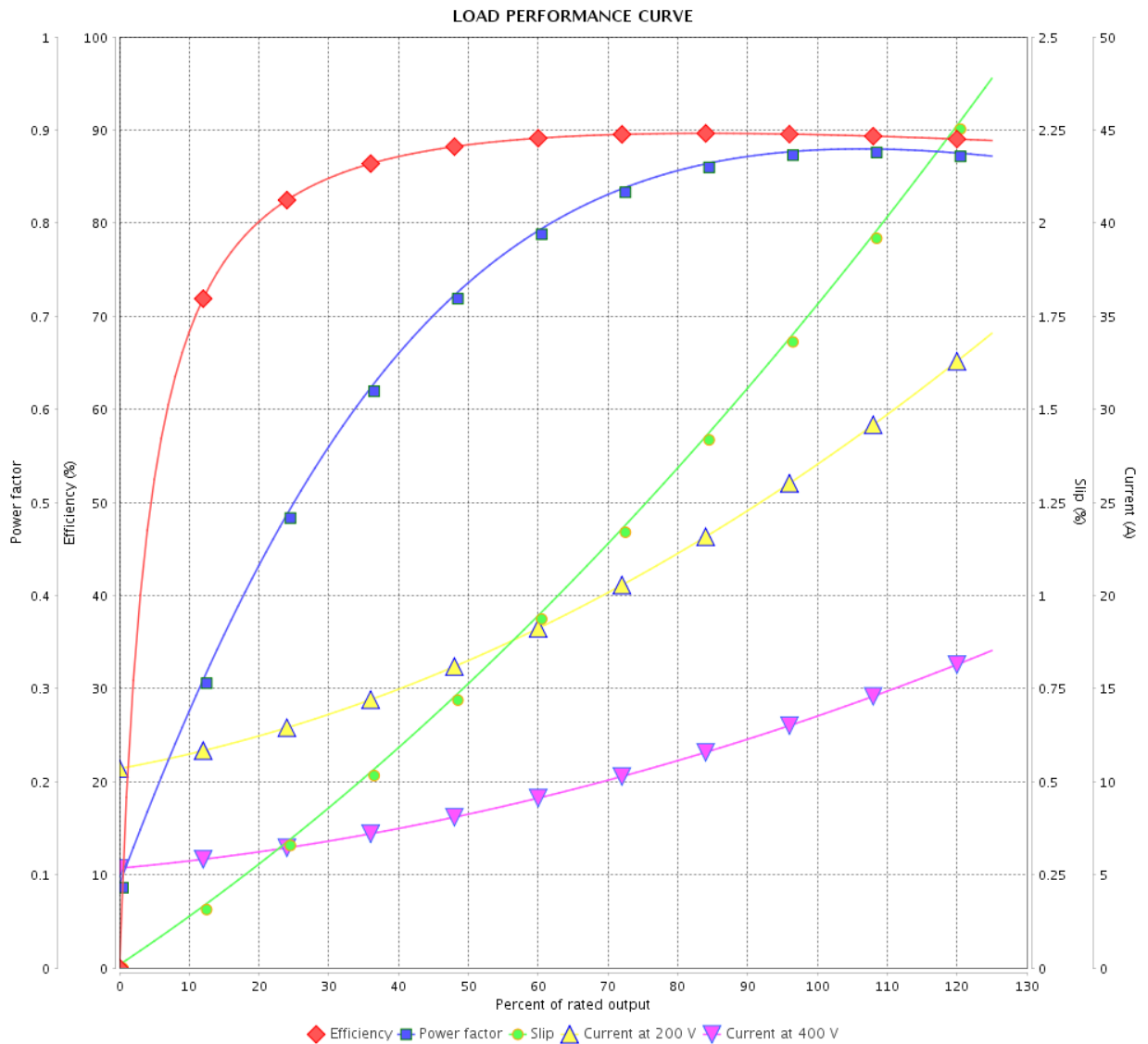


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THERMAL LIMIT CURVE



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Heating constant

Cooling constant

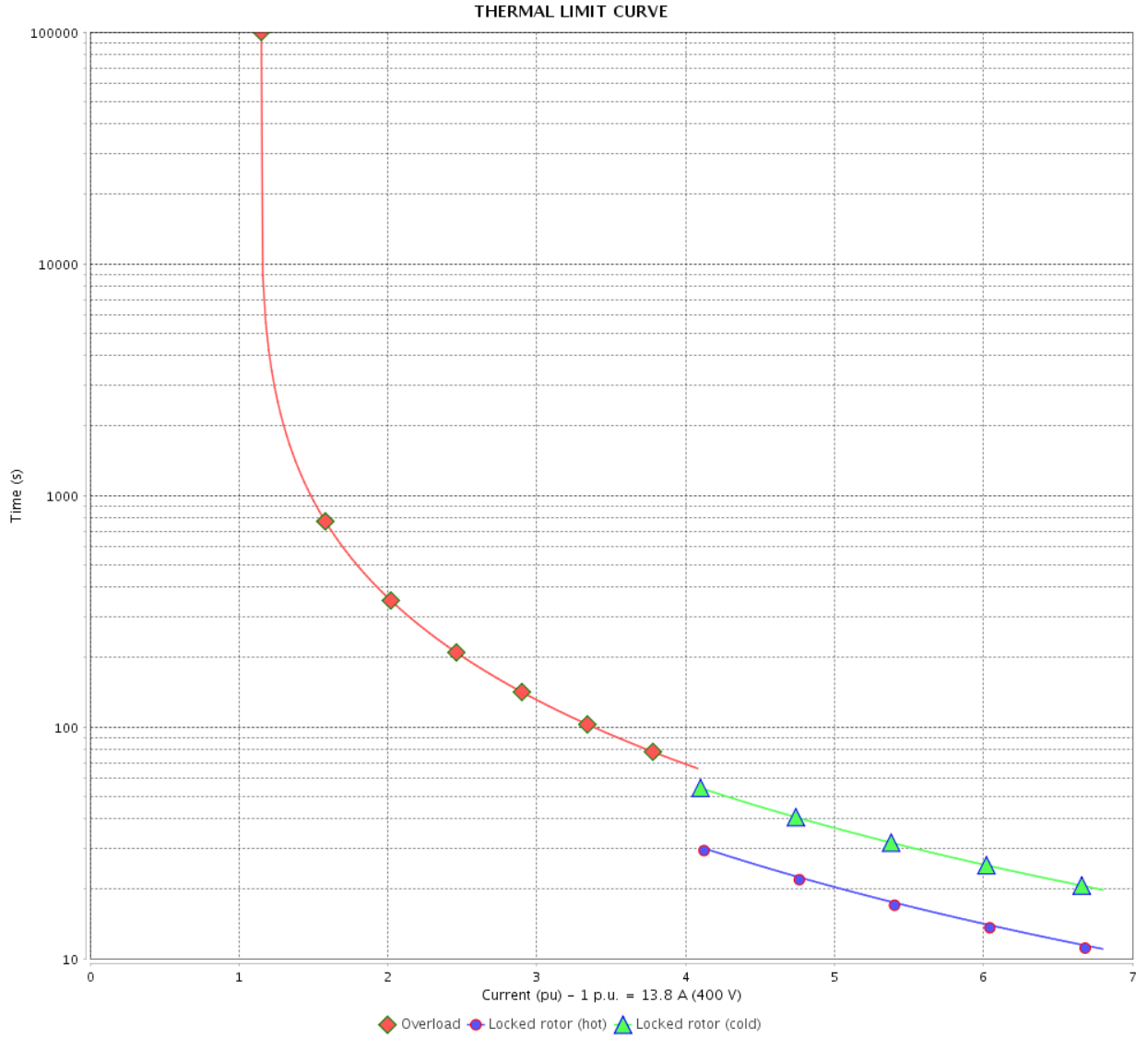
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THERMAL LIMIT CURVE

Three Phase Induction Motor - Squirrel Cage



Customer : _____



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Date				

VFD OPERATION CURVE

Three Phase Induction Motor - Squirrel Cage



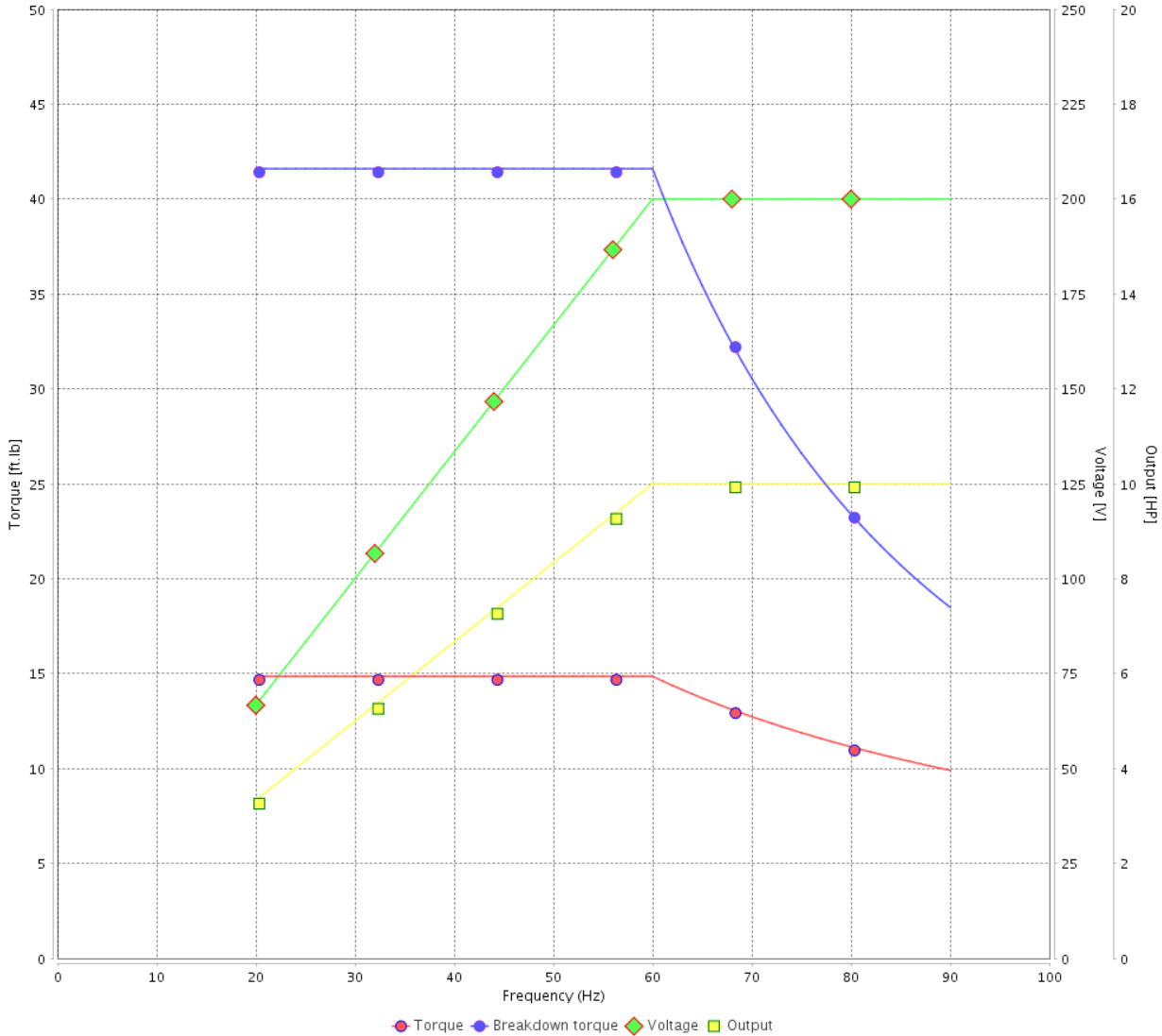
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VFD OPERATION CURVE



Performance : 200/400 V 60 Hz 2P

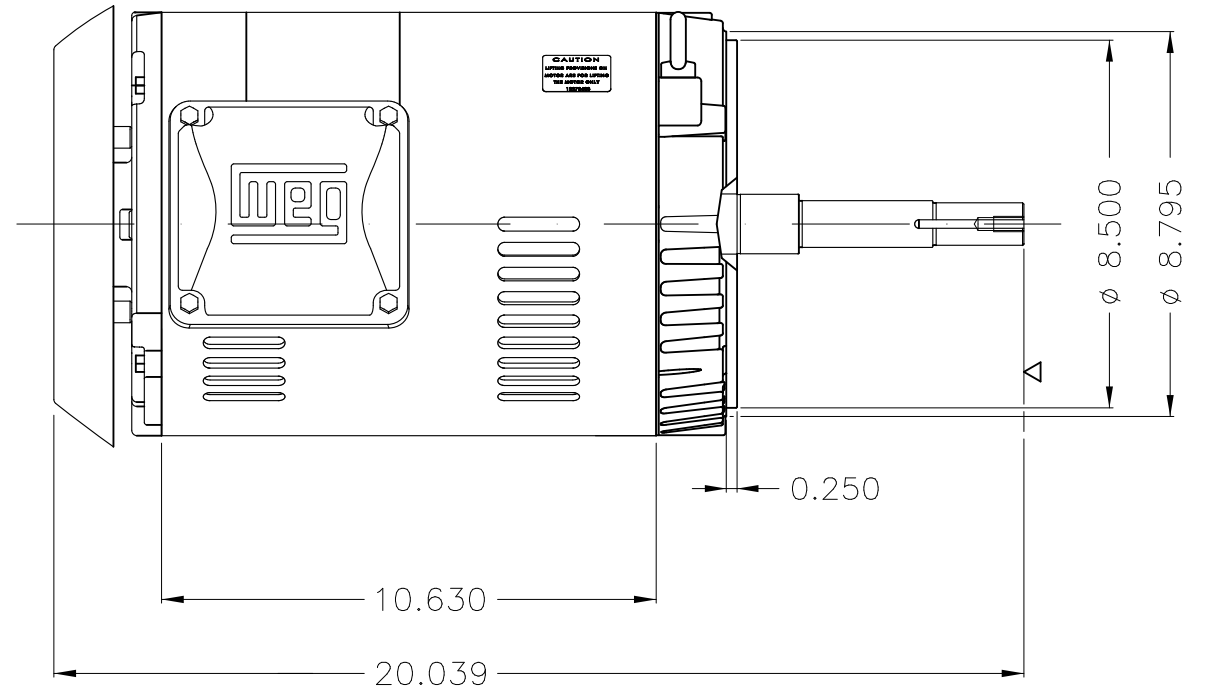
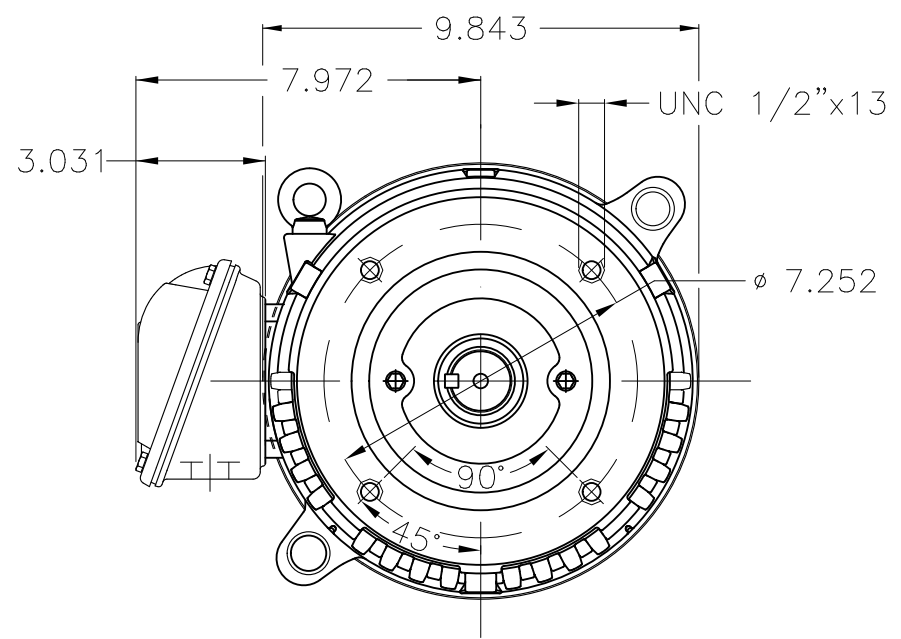
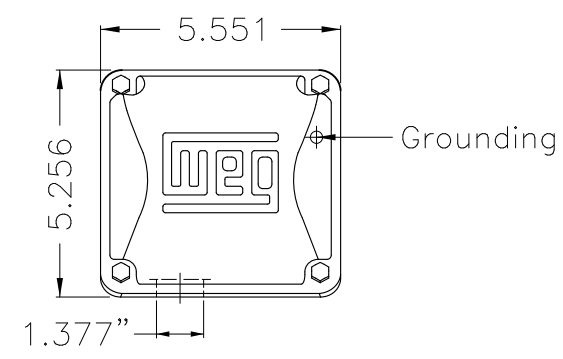
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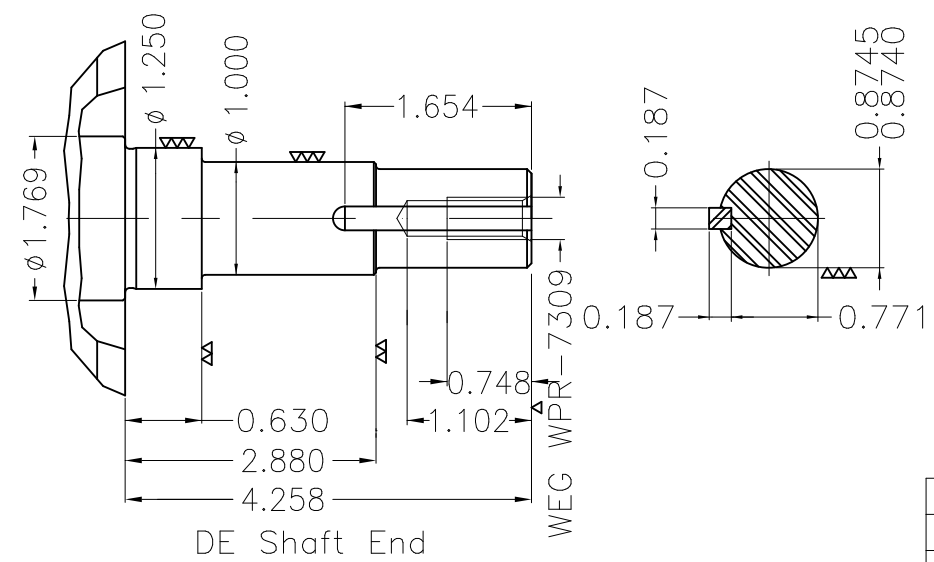
A



B

C

D



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					

10 HP 02 Poles 60 Hz

REL DT. WMO Jaragua do Sul Product Engineering SHEET 1 / 1



Dimensions in inches XME A3

WEG
NEMA
Premium3PT9
C US LISTED

MADE IN MEXICO

MAT: 13500441 CC029A

W01.T00IC0X0N

MODEL 010360T3V213JMV-S

09JUL2018 S/N:

PH 3 FR 213/5JM |HP(kW) 10(7.5)

Hz 60

V 200/400

RPM 3535

A 27.6/13.8

DUTY CONT.

SFA 31.7/15.9

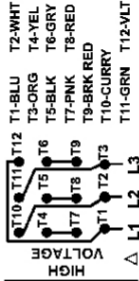
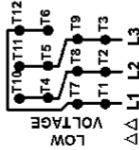
CODE H

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

ALT 1000 m.a.s.l. |NEMA NOM.EFF. 89.5% |PF 0.88

ALTERNATE RATING:

SIN IEC 60034-1



INTERCHANGE ANY TWO LINE WIRES TO REVERSE THE ROTATION

Inverter duty 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.