DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer

Product line : JM Pump NEMA Premium Product code: 13482797

Efficiency Three-Phase

Catalog #: 01036OT3E213JMV-S

Frame : 213/5JM Cooling method : IC01 - ODP Insulation class Mounting : W-6

Duty cycle : Cont.(S1) Rotation¹ : Both (CW and CCW) Ambient temperature : -20°C to +40°C Starting method : Direct On Line

Altitude : 1000 m.a.s.l. Approx. weight³ : 122 lb

Moment of inertia (J) Design : B : 0.4651 sq.ft.lb Output [HP] 10 10 Poles 2 2 2 60 50 Frequency [Hz] 50 Rated voltage [V] 230/460 220/415 190/380 Rated current [A] 24.0/12.0 29.0/14.5 26.0/13.8 L. R. Amperes [A] 163/81.6 157/78.3 159/84.2 LRC [A] 6.8x(Code H) 5.4x(Code F) 6.1x(Code G) No load current [A] 9.32/4.66 9.15/4.58 9.58/5.08 Rated speed [RPM] 3535 2910 2925 Slip [%] 1.81 3.00 2.50 Rated torque [ft.lb] 14.9 18.0 18.0 Locked rotor torque [%] 200 150 170 Breakdown torque [%] 280 210 240 Service factor 1.15 1.15 1.15 Temperature rise 80 K 80 K 80 K 0s (cold) 0s (hot) Locked rotor time 19s (cold) 11s (hot) 0s (cold) 0s (hot) Noise level² 66.0 dB(A) 64.0 dB(A) 64.0 dB(A) 25% 88.3 91.2 90.6 50% 88.5 89.4 89.3 Efficiency (%) 75% 89.5 88.6 89.0 100% 89.5 86.5 87.4 25% 0.47 0.49 0.53 50% 0.74 0.80 0.77 Power Factor 75% 0.84 0.88 0.86 100% 0.88 0.90 0.91

Non drive end Foundation loads Drive end

Bearing type 6209 ZZ 6206 ZZ : 182 lb Max. traction Sealing Without Without Max. compression : 304 lb

Bearing Seal Bearing Seal

Lubrication interval Lubricant amount Lubricant type Mobil Polyrex EM

Notes

USABLE @208V 26.5A SF 1.00 SFA 26.5A

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



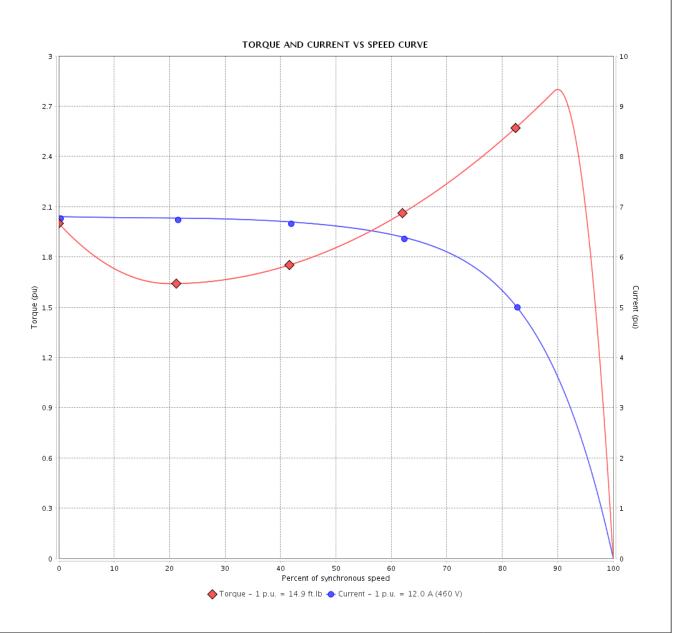
Customer :

Product line : JM Pump NEMA Premium

Efficiency Three-Phase

Product code: 13482797

Catalog #: 01036OT3E213JMV-S



Performance : 230/460 V 60 Hz 2P Rated current : 24.0/12.0 A Moment of inertia (J) : 0.4651 sq.ft.lb **LRC** : 6.8 Duty cycle : Cont.(S1) : F : 14.9 ft.lb Insulation class Rated torque Service factor Locked rotor torque : 200 % : 1.15 Breakdown torque : 280 % Temperature rise : 80 K Rated speed : 3535 rpm Design : B

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

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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: Catalog #: 01036OT3E213JMV-S

TORQUE AND CURRENT VS SPEED CURVE

2.5
2.25
2.25
2.26
8

2.25									
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1.75									
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0	10	20	30	40	50	60	70	80 9	90 10

Performance : 190/380 V 50 Hz 2P Rated current : 29.0/14.5 A Moment of inertia (J) : 0.4651 sq.ft.lb LRC : 5.4 Duty cycle : Cont.(S1) : 18.0 ft.lb Insulation class : F Rated torque Locked rotor torque : 150 % Service factor : 1.15 Breakdown torque : 210 % Temperature rise : 80 K : B Rated speed : 2910 rpm Design

Locked rotor time : 0s (cold) 0s (hot)

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TORQUE AND CURRENT VS SPEED CURVE

Three Phase Induction Motor - Squirrel Cage



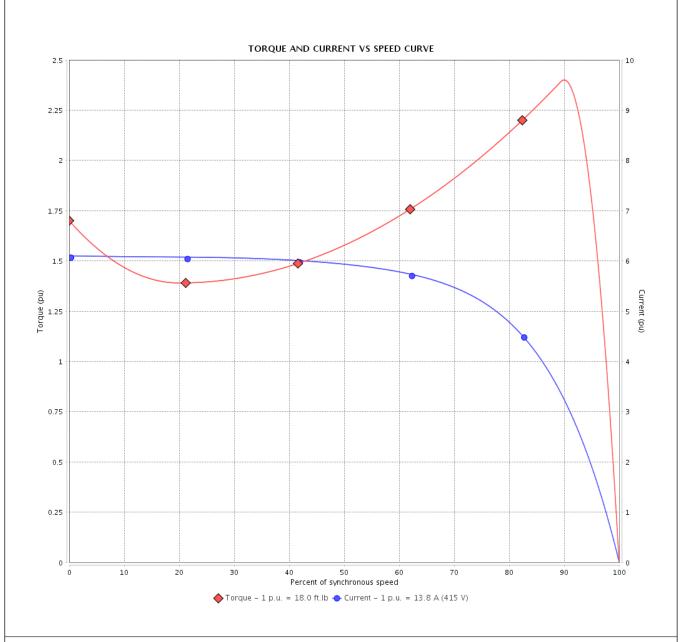
Customer :

Product line : JM Pump NEMA Premium

Efficiency Three-Phase

Product code: 13482797

Catalog #: 01036OT3E213JMV-S



Performance : 220/415 V 50 Hz 2P Rated current : 26.0/13.8 A Moment of inertia (J) : 0.4651 sq.ft.lb **LRC** : 6.1 Duty cycle : Cont.(S1) : F : 18.0 ft.lb Insulation class Rated torque Service factor Locked rotor torque : 170 % : 1.15 Breakdown torque : 240 % Temperature rise : 80 K Rated speed : 2925 rpm Design : B

Locked rotor time : 0s (cold) 0s (hot)

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LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage



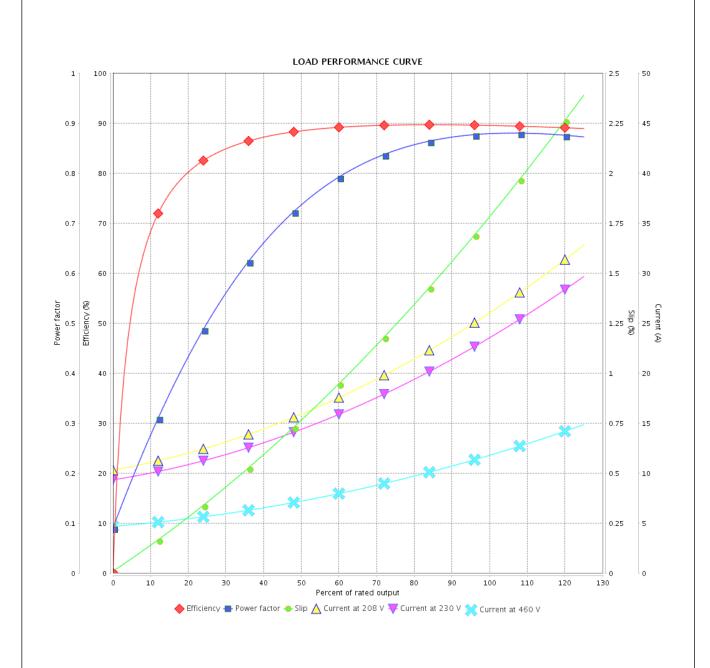
Customer

Product line : JM Pump NEMA Premium

Efficiency Three-Phase

Product code: 13482797

Catalog #: 01036OT3E213JMV-S



Performance	: 230/460 V 60 Hz 2P						
Rated current		4.0/12.0 A	Moment o	f inertia (J)	: 0.4651 sq.ft.lb		
LRC	: 6	.8	Duty cycle)	: Cont.(S1)		
Rated torque	: 1	4.9 ft.lb	Insulation	Insulation class : F Service factor : 1.15 Temperature rise : 80 K		• •	
Locked rotor torque	e :2	00 %	Service fa				
Breakdown torque	: 2	80 %	Temperati				
Rated speed	: 3	35 rpm Design		: B			
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LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage



Customer :

Date

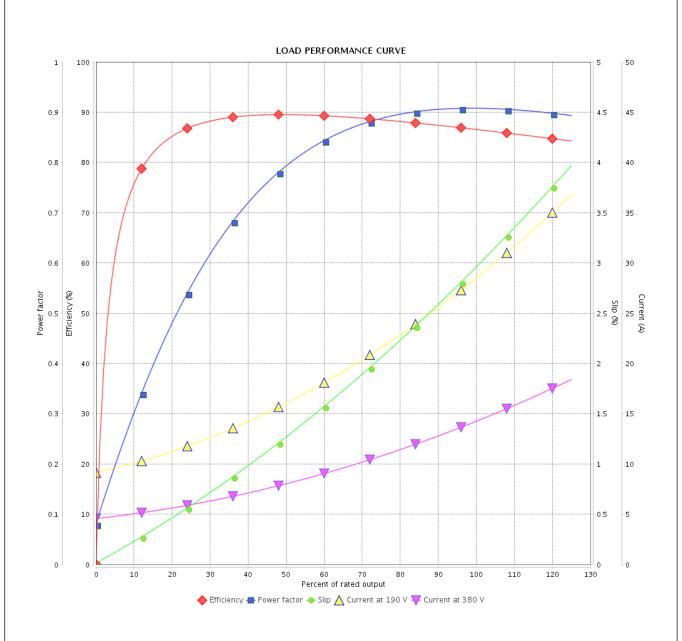
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Product line : JM Pump NEMA Premium

Efficiency Three-Phase

Product code: 13482797

Catalog #: 01036OT3E213JMV-S



Performance : 190/380 V 50 Hz 2P : 29.0/14.5 A Rated current Moment of inertia (J) : 0.4651 sq.ft.lb **LRC** : 5.4 Duty cycle : Cont.(S1) Insulation class Rated torque : 18.0 ft.lb : F Locked rotor torque : 150 % Service factor : 1.15 Breakdown torque : 210 % Temperature rise : 80 K Rated speed : 2910 rpm Design : B Rev. Performed Checked Date **Changes Summary** Performed by Checked by Page Revision

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LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage



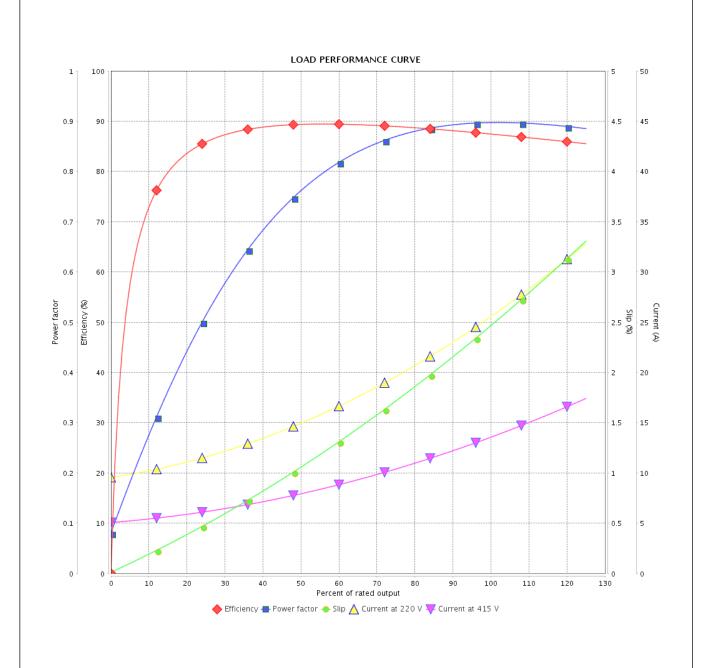
Customer

Product line : JM Pump NEMA Premium

Efficiency Three-Phase

Product code: 13482797

Catalog #: 01036OT3E213JMV-S



Performance	: 22	220/415 V 50 Hz 2P					
Rated current	t : 26.0/13.8 A Moment of inerti		f inertia (J)	: 0.4651 sq.ft.lb			
LRC	: 6.	1	Duty cycle		: Cont.(S1)		
Rated torque	: 18	3.0 ft.lb	Insulation class		: F		
Locked rotor torq	ked rotor torque : 170 % Service factor		ctor	: 1.15			
Breakdown torqu	ie : 24	40 %	Temperati	Temperature rise : 80 K			
Rated speed	: 29	25 rpm Design		: B			
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Three Phase Induction Motor - Squirrel Cage

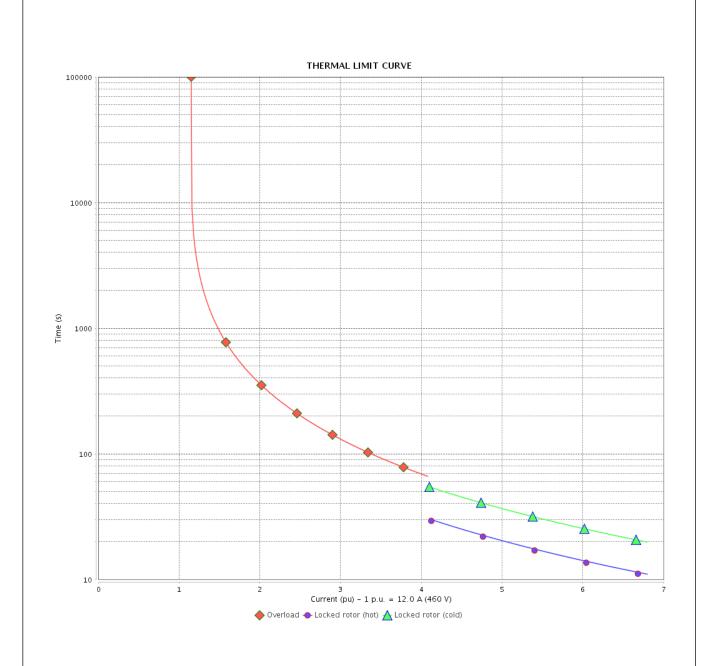


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Dec Letter		IMP NEMA D		Desil of soils	40,400,707	
Product line		: JM Pump NEMA Premium Efficiency Three-Phase		Product code :	13482797	
		,		Catalog # :	01036OT3E	213JMV-S
Performance		230/460 V 60 Hz 2P				
Rated current LRC		24.0/12.0 A 6.8	Moment of Duty cycle	of inertia (J)	: 0.4651 sq.ft. : Cont.(S1)	b
Rated torque	:	14.9 ft.lb	Insulation	class	: F	
Locked rotor torg		200 %	Service fa		: 1.15	
Breakdown torqu Rated speed		280 % 3535 rpm	Temperati Design	ure rise	: 80 K : B	
		· - 1	3			
Heating constant Cooling constant						
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Three Phase Induction Motor - Squirrel Cage



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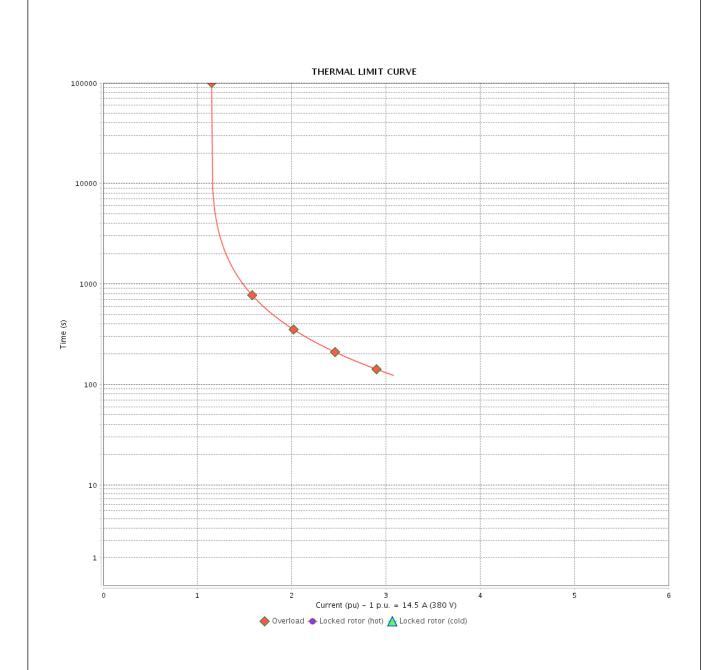


Customer	:			
Product line	: JM Pump NEMA Premium Efficiency Three-Phase	Product code : Catalog # :	13482797 01036OT3E	213.IMV-S
Performance	: 190/380 V 50 Hz 2P	Married (Control (Control	0.4054 6	
Rated current LRC	: 29.0/14.5 A : 5.4	Moment of inertia (J) Duty cycle	: 0.4651 sq.ft. : Cont.(S1)	ID
Rated torque	: 18.0 ft.lb	Insulation class	: F	
Locked rotor torque Breakdown torque	: 150 % : 210 %	Service factor Temperature rise	: 1.15 : 80 K	
Rated speed	: 2910 rpm	Design	: B	
Heating constant				
Cooling constant				
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Three Phase Induction Motor - Squirrel Cage



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Three Phase Induction Motor - Squirrel Cage

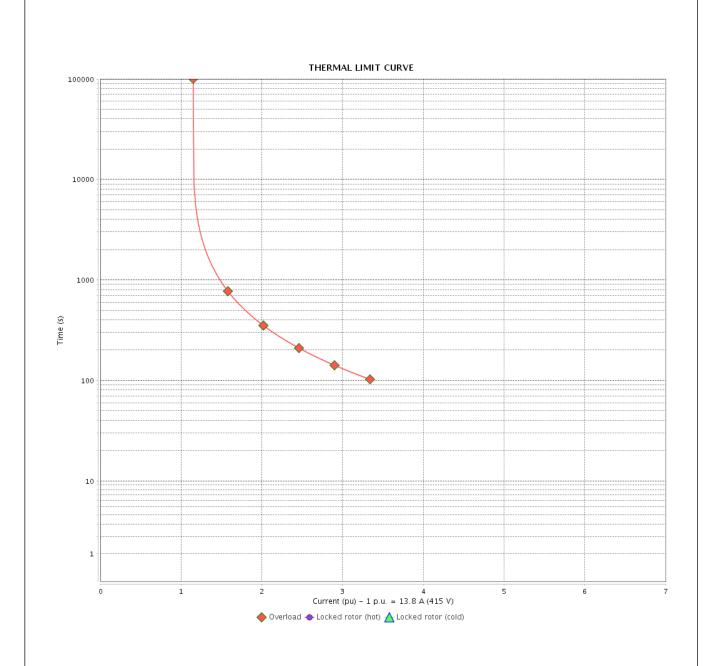


Customer	:					
Product line	: .	JM Pump NEMA Premium fficiency Three-Phase	ı	Product code :	13482797	
	E	miciency Three-Friase	(Catalog # :	01036OT3E2	213JMV-S
Performance	. 00	20/415 V 50 Hz 2P				
Rated current		6.0/13.8 A	Moment of	f inertia (J)	: 0.4651 sq.ft.l	b
LRC	: 6.	1	Duty cycle		: Cont.(S1)	~
Rated torque Locked rotor torc		3.0 ft.lb 70 %	Insulation Service fac		: F : 1.15	
Breakdown torqu Rated speed	ie : 24	40 % 925 rpm	Temperatu	re rise	: 80 K : B	
		720 Ipili	Design		. U	
Heating constant Cooling constant						
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Customer :



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VFD OPERATION CURVE

Three Phase Induction Motor - Squirrel Cage



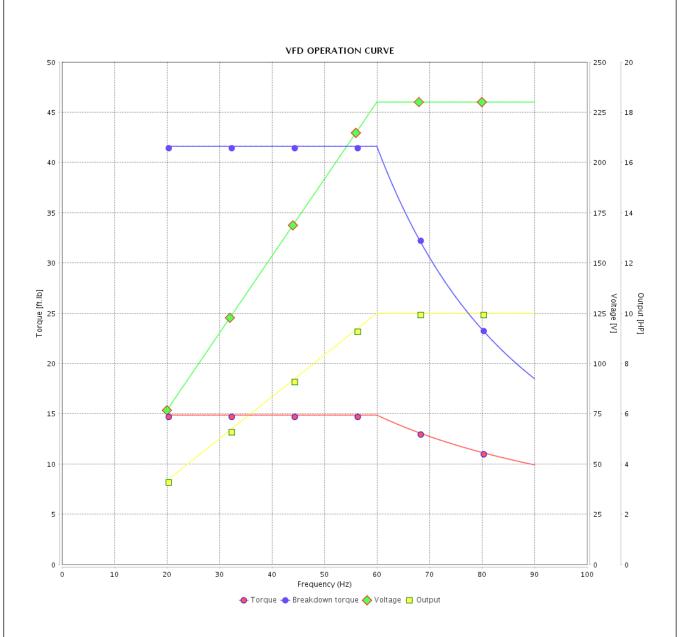
Customer :

Product line : JM Pump NEMA Premium

Efficiency Three-Phase

Product code: 13482797

Catalog #: 01036OT3E213JMV-S

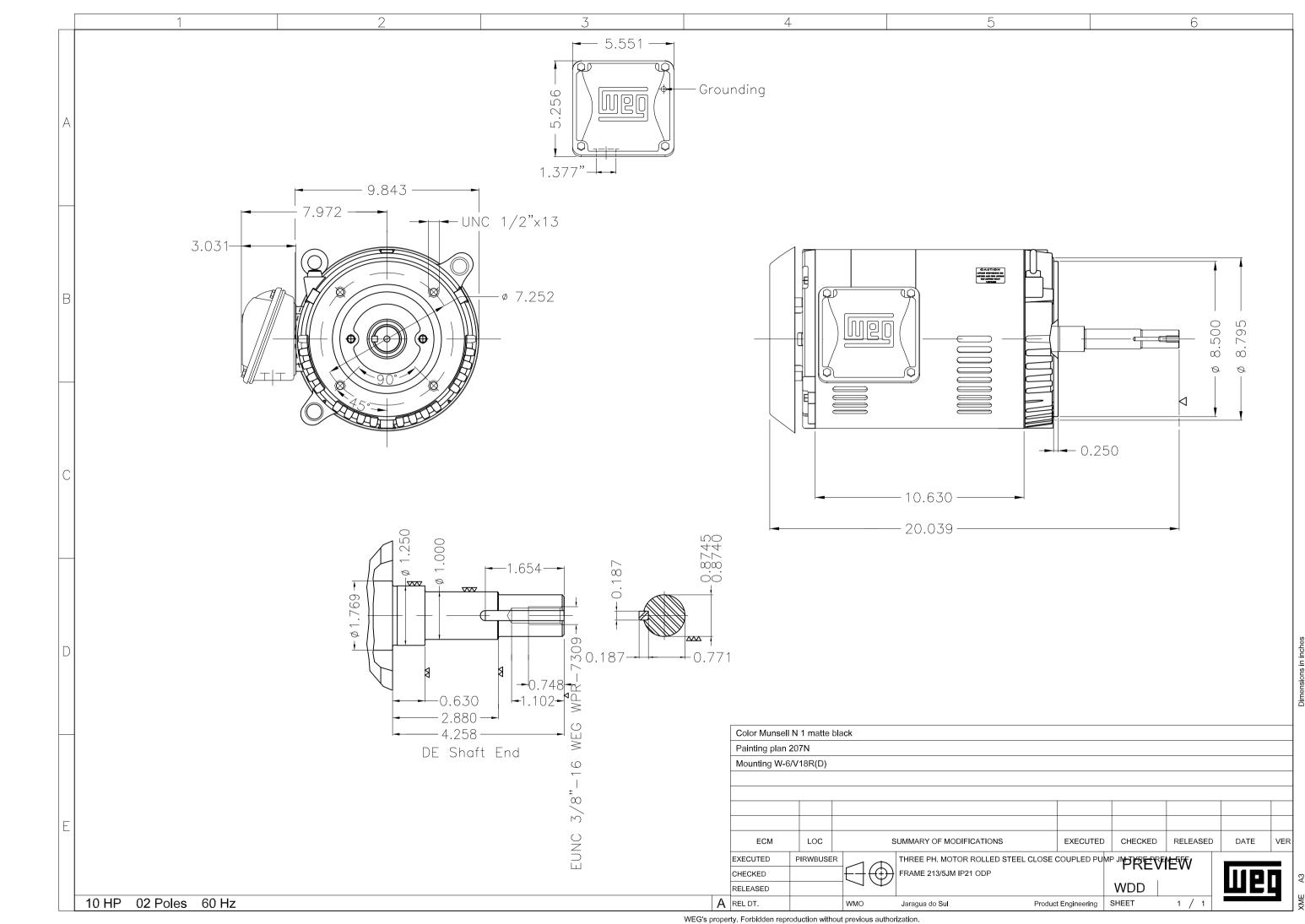


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Performance	: 230/460 V 60 Hz 2P							
Rated current LRC Rated torque Locked rotor torque Breakdown torque Rated speed	: 24.0/12.0 A : 6.8 : 14.9 ft.lb : 200 % : 280 % : 3535 rpm	Moment of Duty cycle Insulation Service fac Temperatu Design	class	: 0.4651 sq.ft. : Cont.(S1) : F : 1.15 : 80 K : B	lb			
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13482797

MADE IN MÉXICO

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& Energy Verifi

> MODEL 010360T3E213JMV-S 9 S/N ¥ 2NOV2021

1000 m.a.s.l F AT 80K 213/5JM CONT

24.0/12.0

.15

230/460

CODE DES SABLE @ 208V 26.5A

2°04 900

NSC

ZPM 3FA 냃 쌆

Inverter duty motor For 80Hz use on VPWM 1000:1 VT. 3:1 CT 50 Hz 8206-ZZ 큠 29.0-25.1/14.5-13.3A ODE

ALTERNATE RATING:

SF1.00 INC. 2

IEC 60034

SF1.15

190-220/380-415V

89.5%

NOM EFF

EFF 88.5%

2910RPM

8209-ZZ

삠

MOBIL POLYREX EM

T6

T2-WHT

r3-org T7-PNK

T5-BLK 11-BLU

T9-BRK

NTERCHANGE ANY TWO LINE WIRES TO REVERSE THE ROTATION



conformément aux codes électriques locaux et nationaux afin d'éviter tout

AVERTISSEMENT: Le moteur doit être mis à la terre shocks. Disconnect power source before servicing unit. WARNING: Motor must be grounded in accordance with local and national electrical codes to prevent serious electrical

choc électrique grave. Déconnectez l'alimentation avant l'entretien de la machine