DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Product line : NEMA Premium Efficiency Three-Product code: 12674943

Catalog #: 01036OT3E213T-SG Frame : 213/5T Cooling method : IC01 - ODP Insulation class Mounting : F-1 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 : 124 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) 0s (cold) 0s (hot) Locked rotor time 19s (cold) 11s (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 6208 ZZ 6206 ZZ : 181 lb Max. traction Sealing Without Without Max. compression : 305 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



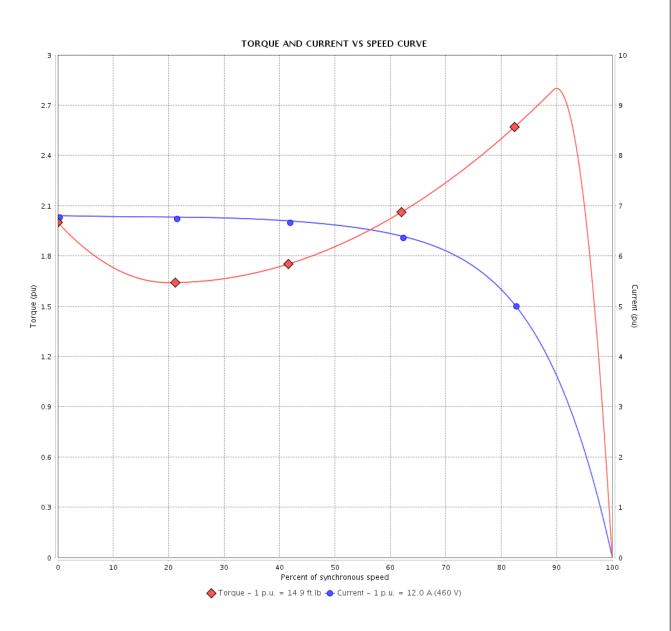
Customer :

Product line : NEMA Premium Efficiency Three- Product

Phase

Product code: 12674943

Catalog #: 01036OT3E213T-SG



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 Locked rotor torque : 200 % Service factor : 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

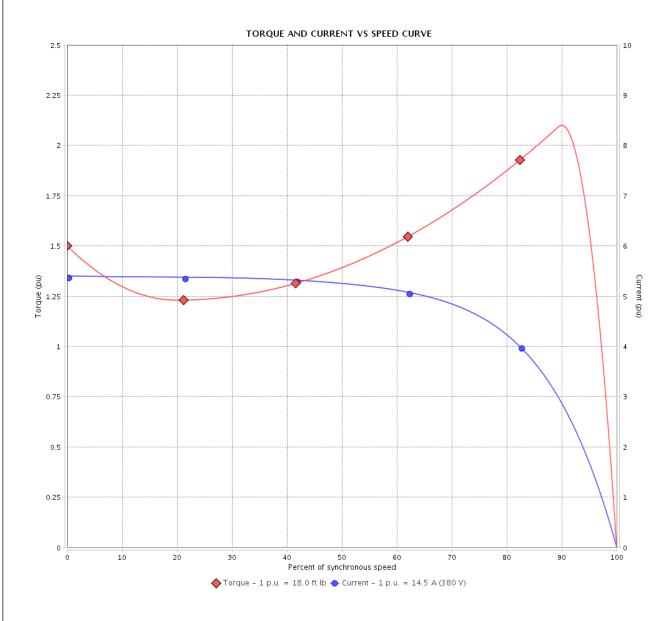
Three Phase Induction Motor - Squirrel Cage



Customer

Product line : NEMA Premium Efficiency Three-Product code: 12674943

Catalog #: 01036OT3E213T-SG



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) Rated torque : 18.0 ft.lb Insulation class : F Service factor Locked rotor torque : 150 % : 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

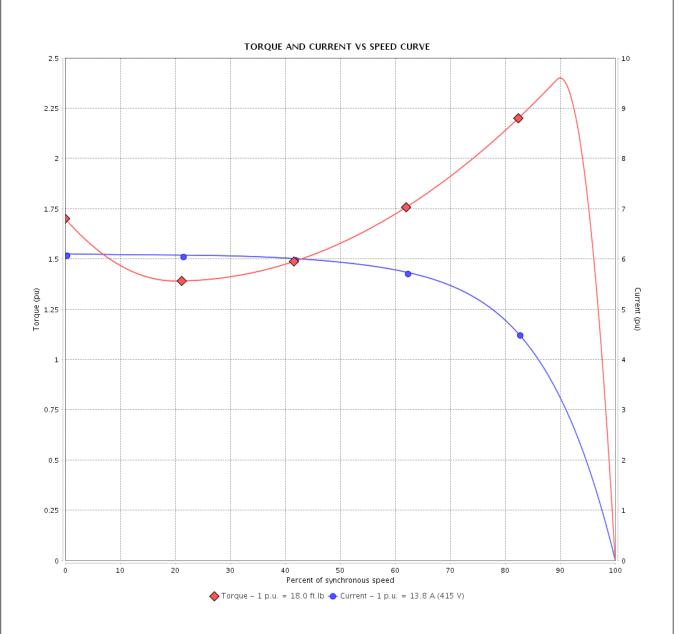


Customer

Product line : NEMA Premium Efficiency Three-Product code:

Catalog #: 01036OT3E213T-SG

12674943



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

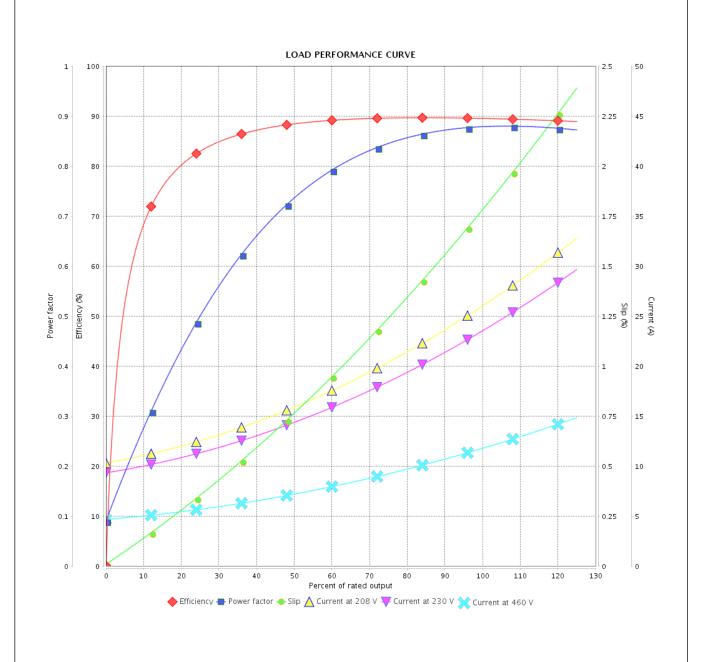


Customer

Product line : NEMA Premium Efficiency Three- Product code : 12674943

Phase

Catalog #: 01036OT3E213T-SG



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

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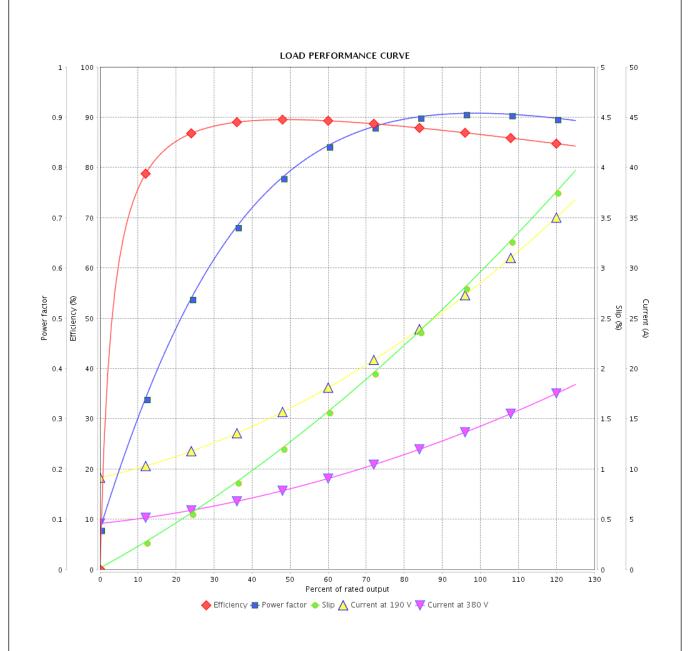


Customer :

Product line : NEMA Premium Efficiency Three- Product code : 12674943

Phase

Catalog #: 01036OT3E213T-SG



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

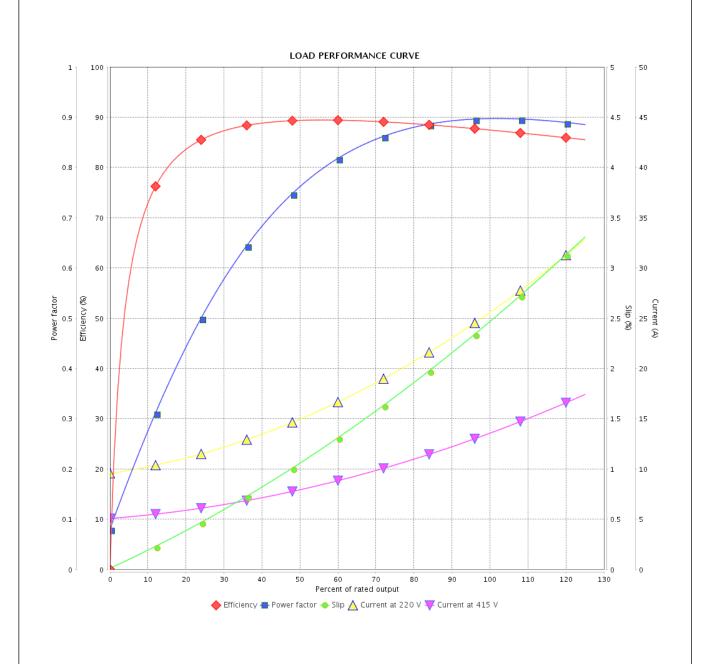


Customer

Product line : NEMA Premium Efficiency Three- Product code : 12674943

Phase

Catalog #: 01036OT3E213T-SG



Performance	: 220/415 V 50 Hz 2P					
Rated current : 26		26.0/13.8 A	Moment o	Moment of inertia (J)		.lb
LRC		3.1	Duty cycle	;	: Cont.(S1)	
Rated torque		18.0 ft.lb	Insulation	class	: F	
Locked rotor torque	e : '	170 %	Service fa	ctor	: 1.15	
Breakdown torque	: 2	10 % Temperature rise		ıre rise	: 80 K	
Rated speed	: 2	2925 rpm	25 rpm Design		: B	
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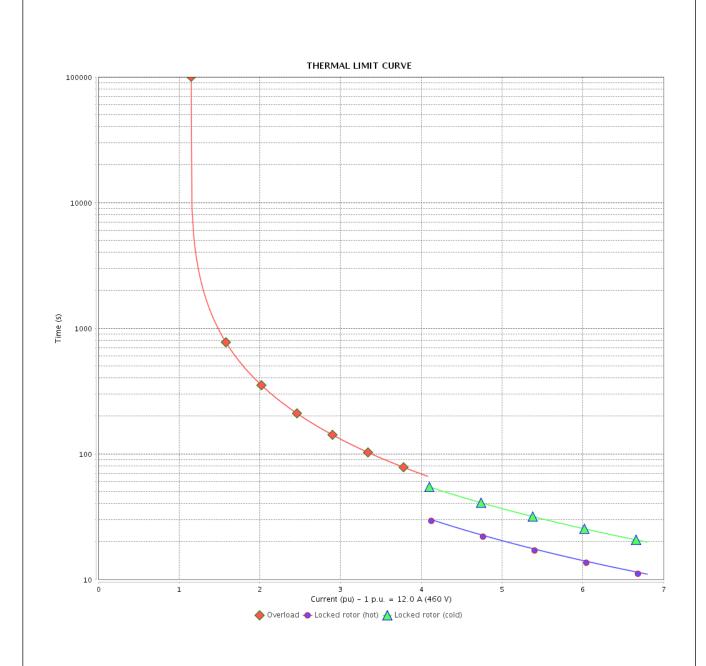


Customer	:					
Product line	: I P	NEMA Premium Efficiency l		Product code :	12674943	2407.00
				Catalog # :	01036OT3E2	101-00
D. (00/400 \/ 00 0D				
Performance Rated current		30/460 V 60 Hz 2P 4.0/12.0 A	Moment of	f inertia (.I)	: 0.4651 sq.ft.l	h
LRC	: 6.	.8	Duty cycle		: Cont.(S1)	~
Rated torque Locked rotor tord		4.9 ft.lb 00 %	Insulation Service fac		: F : 1.15	
Breakdown torqu		80 %	Temperatu		: 80 K	
Rated speed		535 rpm	Design		: B	
Heating constan						
Cooling constant	•	Oh sa sa s	Ι	Devit 1	Ob. 1	D :
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Three Phase Induction Motor - Squirrel Cage



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Three Phase Induction Motor - Squirrel Cage

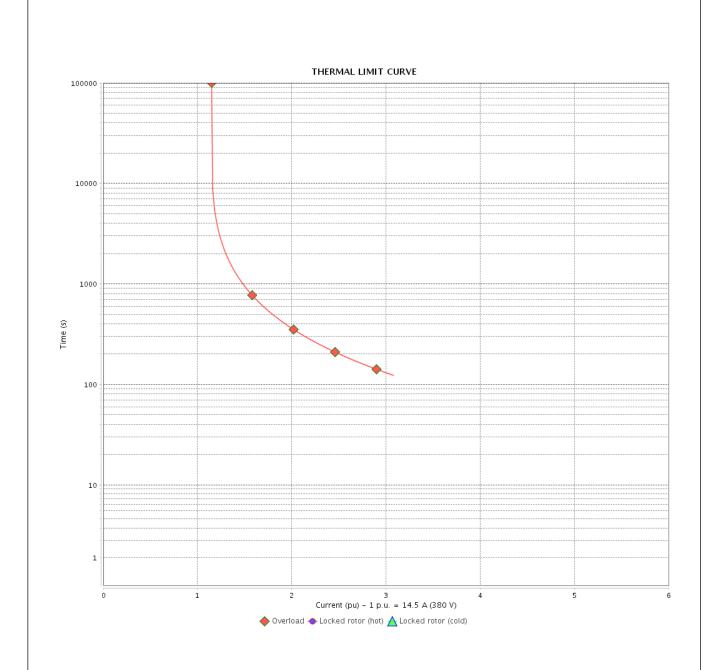


Customer	:				
Product line	: NEMA Prer Phase	mium Efficiency Three-	Product code :	12674943	
			Catalog # :	01036OT3E	213T-SG
Performance	: 190/380 V 50				
Rated current	: 29.0/14.5 A		nt of inertia (J)	: 0.4651 sq.ft.	lb
LRC	: 5.4	Duty cy	ycle	: Cont.(S1)	
Rated torque Locked rotor torque	: 18.0 ft.lb : 150 %	Insulat Service	ion class - factor	: F : 1.15	
Breakdown torque	: 210 %		rature rise	: 80 K	
Rated speed	: 2910 rpm	Design		: B	
Heating constant					
Cooling constant					
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Three Phase Induction Motor - Squirrel Cage



Customer :



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Three Phase Induction Motor - Squirrel Cage

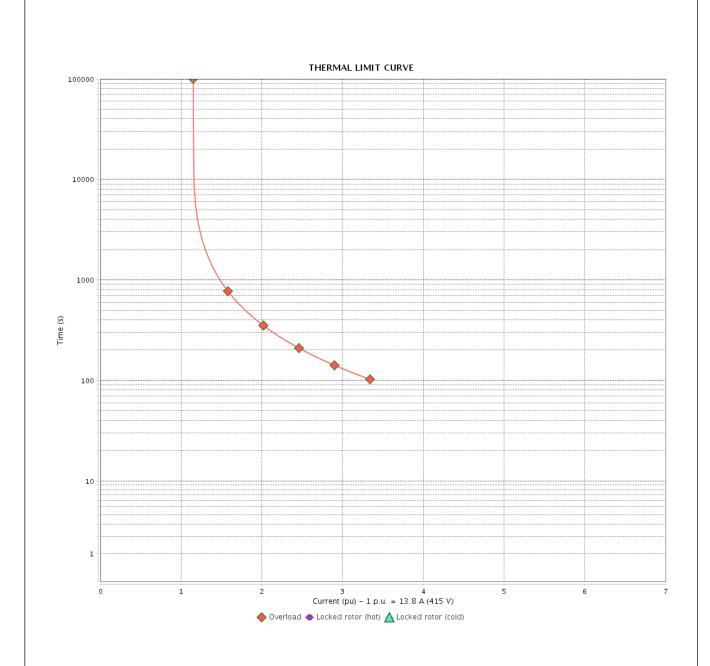


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Product line	. ,	NEMA Promium Efficiency	[hroo]	Product code :	12674042	
Product line	. ı Pl	NEMA Premium Efficiency l hase			12674943	
			(Catalog # :	01036OT3E2	213T-SG
Performance		20/415 V 50 Hz 2P	Messach	Linautic (1)	.0.4054 51	lla.
Rated current LRC	: 26 : 6.	6.0/13.8 A .1	Moment of Duty cycle	i inertia (J)	: 0.4651 sq.ft.l : Cont.(S1)	Ü
Rated torque	: 18	8.0 ft.lb	Insulation	class	: F	
Locked rotor tord Breakdown torqu		70 % 40 %	Service fac Temperatu		: 1.15 : 80 K	
Rated speed		925 rpm	Design		: B	
Heating constant	<u> </u>					
Cooling constant						
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Three Phase Induction Motor - Squirrel Cage



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VFD OPERATION CURVE

Three Phase Induction Motor - Squirrel Cage



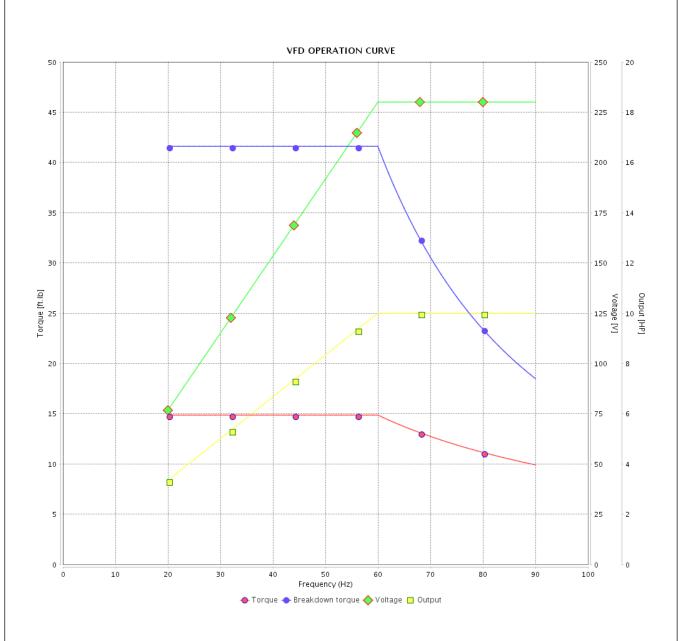
Customer :

Product line : NEMA Premium Efficiency Three-

Phase

Product code: 12674943

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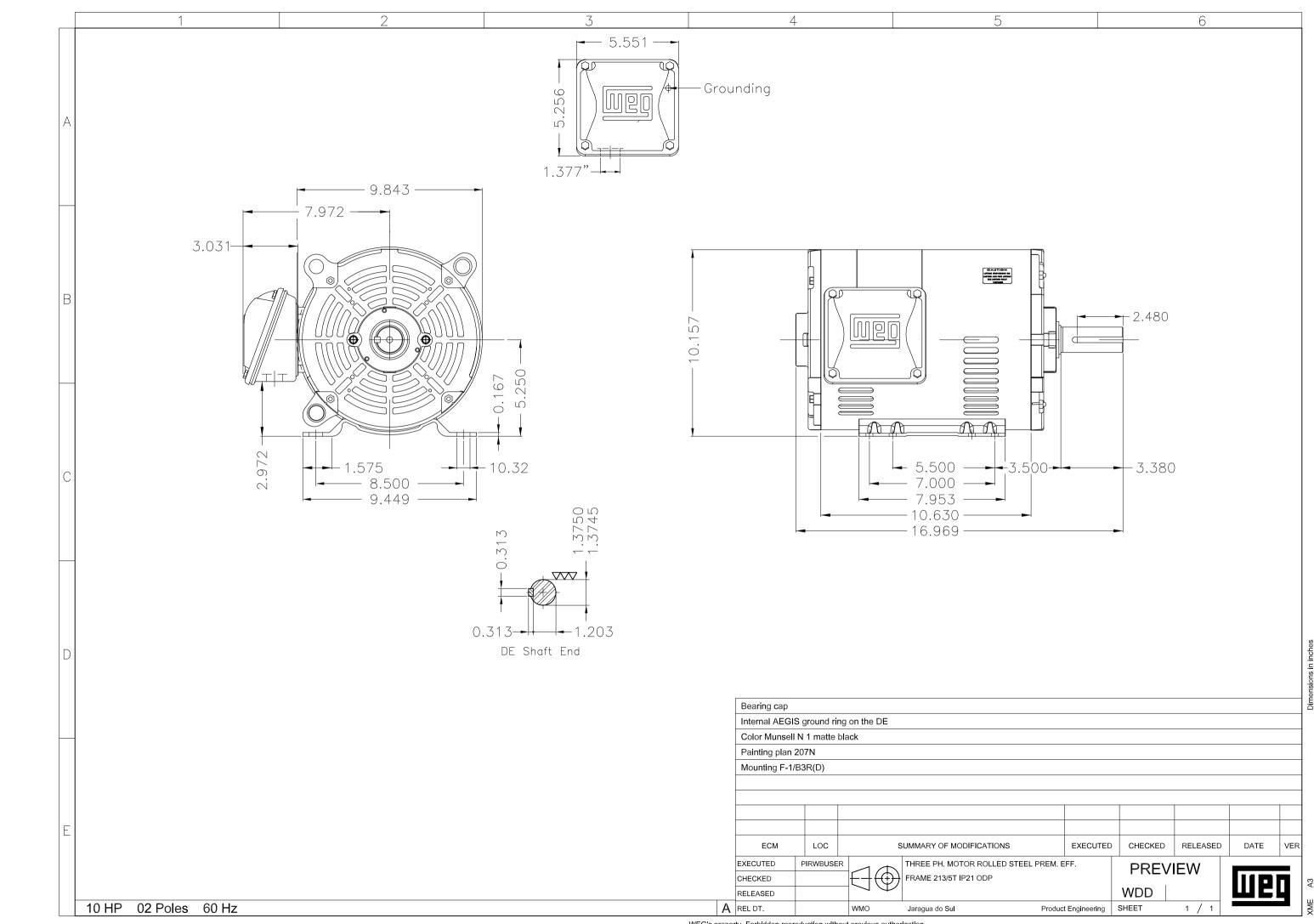


Performance	: 230/460 V 60 Hz 2P						
Rated current	: 24.0/12.0 A	Moment of inertia (J)		: 0.4651 sq.ft.lb			
LRC	: 6.8	Duty cycle		: Cont.(S1)			
Rated torque	: 14.9 ft.lb	: 14.9 ft.lb : 200 % : 280 % : 3535 rpm Insulation class Service factor Temperature rise Design		: F : 1.15 : 80 K : B			
Locked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





MADE IN MÉXICO



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& Energy Verifi

> MODEL 010360T3E213T-SG CC029A S/N N01.TODICOXON 12674943 2NOV2021

9 4 1000 m.a.s.l 213/51 CONT

24.0/12.0

.15

230/460

CODE DES SABLE @ 208V 26.5A F AT 80K

2°04 900

NSC

큠 29.0-25.1/14.5-13.3A ALTERNATE RATING:

SF1.00 INC. 2

Inverter duty motor For 80Hz use on VPWM 1000:1 VT. 3:1 CT 2910RPM 8206-ZZ

ODE

8208-ZZ

삠

IEC 60034-1

SF1.15

190-220/380-415V

89.5%

NOM EFF

50 Hz

ZPM 3FA 냃 쌆

EFF 88.5%

MOBIL POLYREX EM

T6

T2-WHT

T4-YEL

r3-org T7-PNK T9-BRK T5-BLK 11-BLU





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

