DATA SHEET

Customer

Three Phase Induction Motor - Squirrel Cage



Product line : NEMA Premium Efficiency Three- Product code : 12674692

Phase

Catalog #: 01036OT3E213TC-S Frame : 213/5TC 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 : 133 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

0.88

 100%
 0.88
 0.91

 Drive end Searing type
 Drive end 6208 ZZ
 Foundation loads 6206 ZZ

0.84

Bearing type : 6208 ZZ 6206 ZZ Max. traction : 176 lb Sealing : Without Without Max. compression : 309 lb

Bearing Seal Bearing Seal Lubrication interval : - - - Lubricant amount : - - -

Lubricant amount : - - Lubricant type : Mobil Polyrex EM

Notes

Power Factor

USABLE @208V 26.5A SF 1.00 SFA 26.5A

75%

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.

0.86

0.90

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TORQUE AND CURRENT VS SPEED CURVE

Three Phase Induction Motor - Squirrel Cage



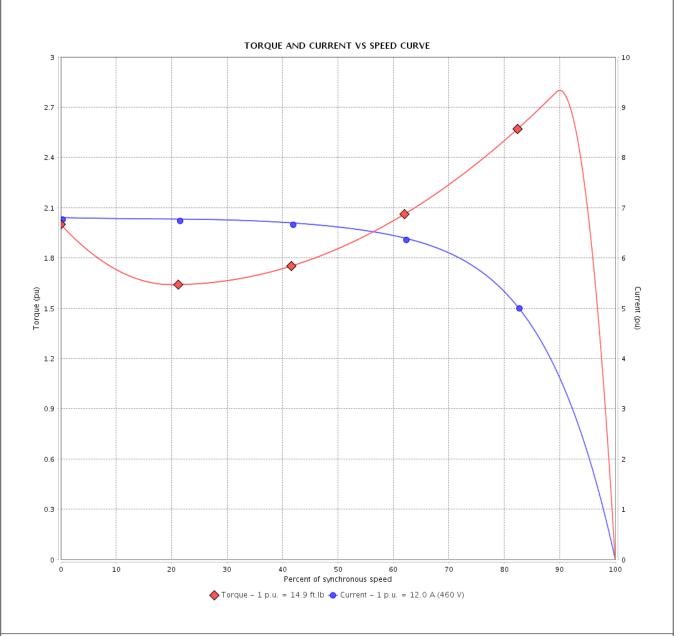
Customer :

Product line : NEMA Premium Efficiency Three-

Phase

Product code: 12674692

Catalog #: 01036OT3E213TC-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 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: 12674692 01036OT3E213TC-S Catalog #: TORQUE AND CURRENT VS SPEED CURVE 2.25 1.75 1.5 (bd) 1.25 Current (pu) 0.25 40 50 by Percent of synchronous speed ◆ Torque - 1 p.u. = 18.0 ft.lb ◆ Current - 1 p.u. = 14.5 A (380 V) : 190/380 V 50 Hz 2P Performance Rated current : 29.0/14.5 A Moment of inertia (J) : 0.4651 sq.ft.lb

Locked rotor torque : 150 9 Breakdown torque : 210 9 Rated speed : 2910		3.0 ft.lb 50 %	I 9 -	Outy cycle Insulation consulation consulation consulation Service factor Temperature Design	or	: Cont.(S1) : F : 1.15 : 80 K : B	
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TORQUE AND CURRENT VS SPEED CURVE

Three Phase Induction Motor - Squirrel Cage



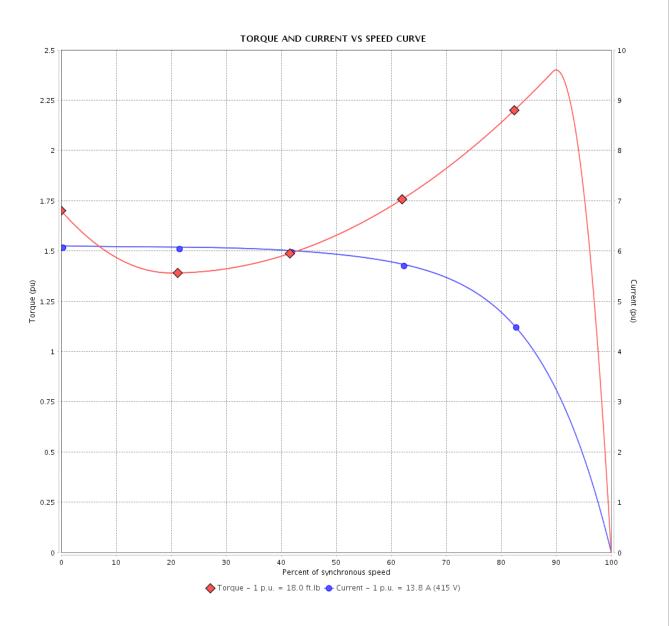
Customer :

Product line : NEMA Premium Efficiency Three- Product of

Phase

Product code: 12674692

Catalog #: 01036OT3E213TC-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 Rated torque	: 6.1 : 18.0 ft.lb	Duty cycle Insulation class	: Cont.(S1) : F
Locked rotor torque	: 170 %	Service factor	: 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

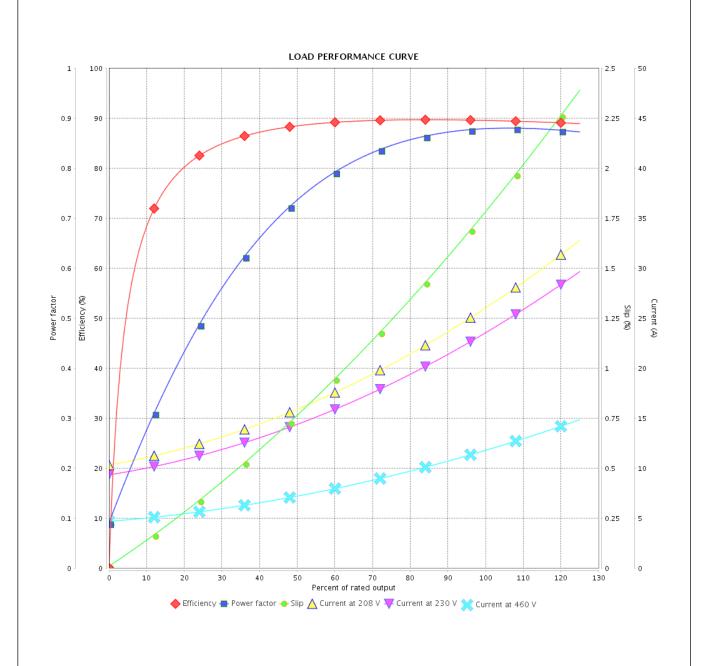


Customer

Product line : NEMA Premium Efficiency Three- Product code : 12674692

Phase

Catalog #: 01036OT3E213TC-S



Performance	: 230/460 V 60 Hz 2P					
Rated current : 24.0/12.0 A		24.0/12.0 A	Moment o	f 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	e :	200 %	Service fa	ctor	: 1.15	
Breakdown torque	:	280 %	Temperature rise		: 80 K	
Rated speed	:	: 3535 rpm		Design		
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LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage

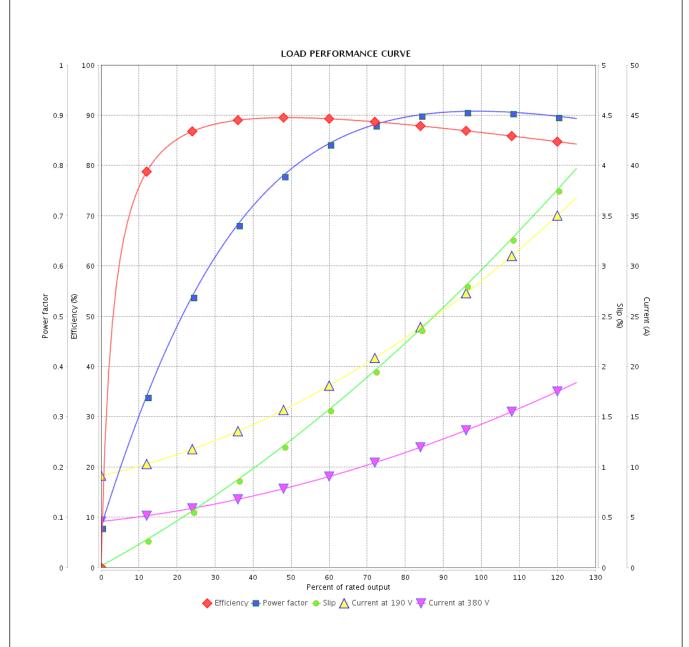


Customer :

Product line : NEMA Premium Efficiency Three- Product code : 12674692

Phase

Catalog #: 01036OT3E213TC-S



Performance	: 190/380 V 50 Hz 2P				
Rated current : 29.0/14.5 A LRC : 5.4 Rated torque : 18.0 ft.lb		Moment of inertia (J) Duty cycle Insulation class		: 0.4651 sq.ft.lb : Cont.(S1) : F	
Locked rotor torque Breakdown torque Rated speed	: 15.0 11.10 : 150 % : 210 % : 2910 rpm	Service factor Temperature rise Design		: 1.15 : 80 K : B	
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Three Phase Induction Motor - Squirrel Cage



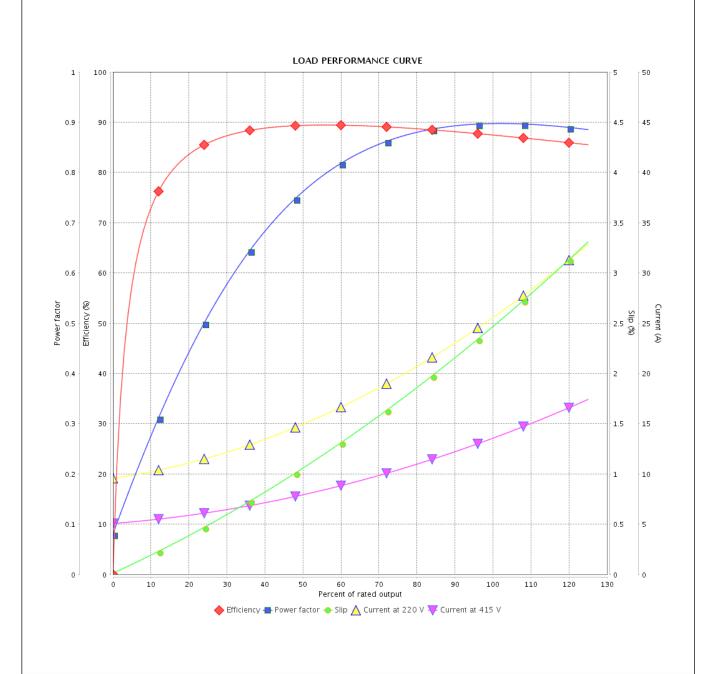
Customer

Product line : NEMA Premium Efficiency Three- Product code :

Phase

Catalog #: 01036OT3E213TC-S

12674692



Performance : 220/415 V 50 Hz 2P						
Rated current : 26.0/13.8 A		Moment o	Moment of inertia (J)		.lb	
LRC	:	6.1	Duty cycle	;	: Cont.(S1)	
Rated torque	:	18.0 ft.lb	Insulation	class	: F	
Locked rotor tord	que :	170 %	Service fa	ctor	: 1.15	
Breakdown torque : 240 %		Temperati	Temperature rise			
Rated speed : 2925 rpm		Design		: B		
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Three Phase Induction Motor - Squirrel Cage

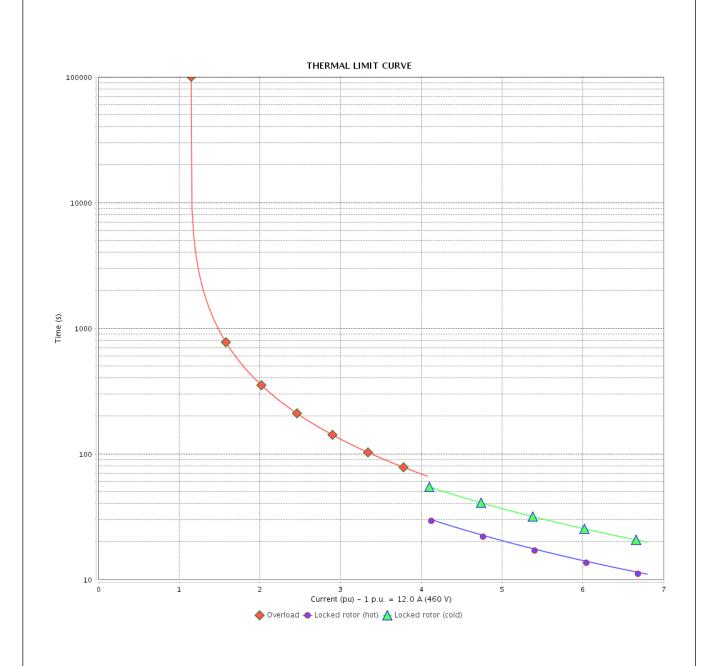


Customer	:				
Product line	: NEMA Premium Efficiency	Three-	Product code :	12674692	
	Phase		Catalog # :	01036OT3E2	912TC S
			Catalog # .	01030013E2	1310-3
Performance	: 230/460 V 60 Hz 2P	T			
Rated current LRC	: 24.0/12.0 A : 6.8	Moment o	of inertia (J)	: 0.4651 sq.ft.l	b
Rated torque	: 14.9 ft.lb	Insulation	class	: Cont.(S1) : F	
Locked rotor torque	: 200 %	Service fa		: 1.15	
Breakdown torque Rated speed	: 280 % : 3535 rpm	Temperatu Design	ure rise	: 80 K : 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

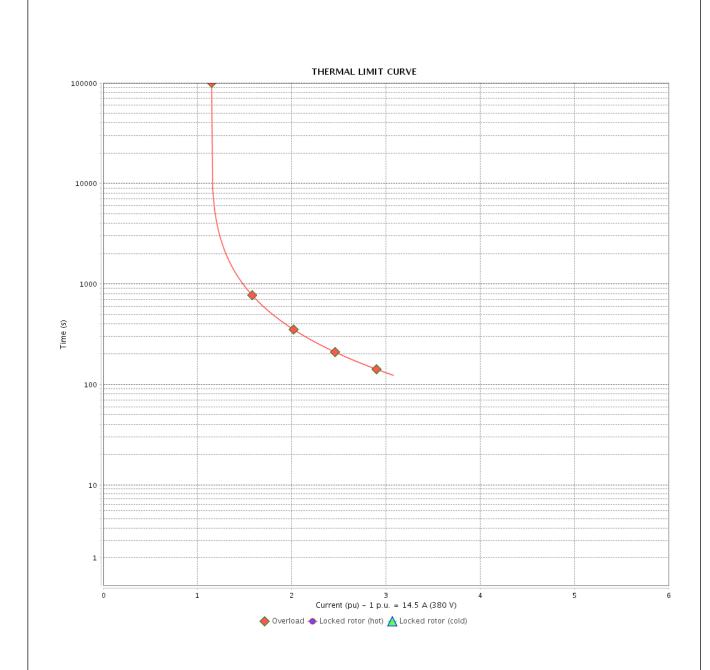


Customer	:					
Product line		NEMA Premium Efficiency	Three-	Product code :	12674692	
	Р	hase		Catalog # :	01036OT3E2	213TC-S
Performance	: 19	90/380 V 50 Hz 2P				
Rated current	: 29	9.0/14.5 A	Moment o	f inertia (J)	: 0.4651 sq.ft.l	b
LRC Rated torque	: 5. · 18	.4 8.0 ft.lb	Duty cycle Insulation	e class	: Cont.(S1) : F	
Locked rotor torqu	ie : 18	50 %	Service fa	ctor	: 1.15	
Breakdown torque Rated speed		10 % 910 rpm	Temperatu Design	ıre rise	: 80 K : B	
	. 23	ο το τριπ	Design		. <i>D</i>	
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

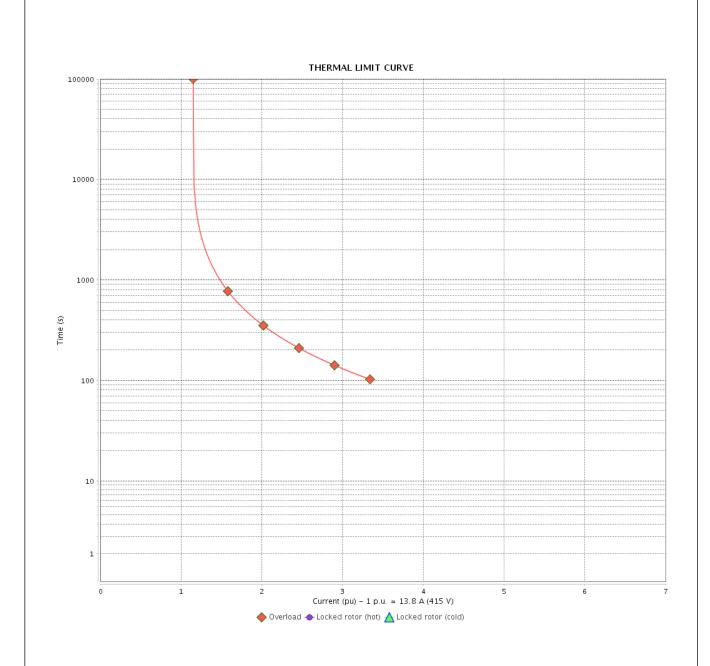


Customer	:					
Product line	: 1	NEMA Premium Efficiency 1	Three-	Product code :	12674692	
	P	hase	(Catalog # :	01036OT3E2	213TC-S
Performance		20/415 V 50 Hz 2P				
		26.0/13.8 A Moment o 6.1 Duty cycle		of inertia (J) : 0.4651 sq :le : Cont.(S1)		b
Rated torque	: 18	8.0 ft.lb	Insulation	class	: F	
Locked rotor tord		70 %	Service fac		: 1.15	
Breakdown torqu Rated speed		40 % 925 rpm	Temperatu Design	ire rise	: 80 K : B	
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Heating constant						
Cooling constant Rev.		Changes Summary		Performed	Checked	Date
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Three Phase Induction Motor - Squirrel Cage



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VFD OPERATION CURVE

Three Phase Induction Motor - Squirrel Cage



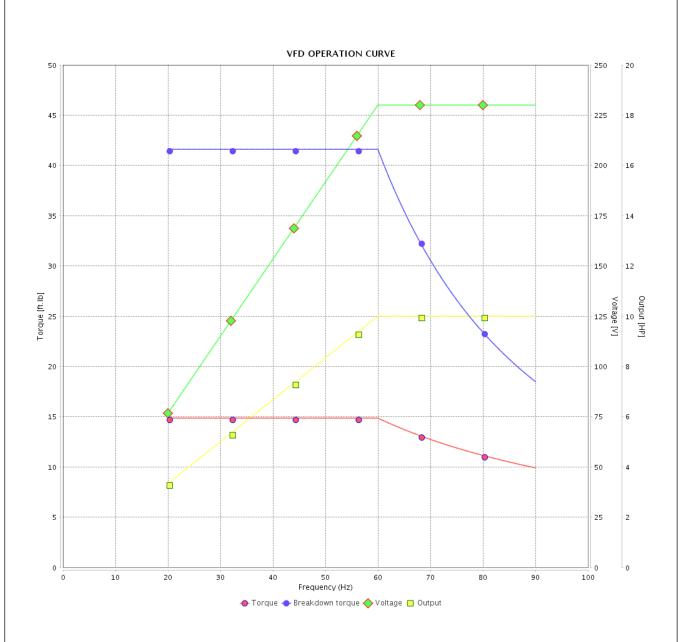
Customer :

Product line : NEMA Premium Efficiency Three-

Phase

Product code: 12674692

Catalog #: 01036OT3E213TC-S

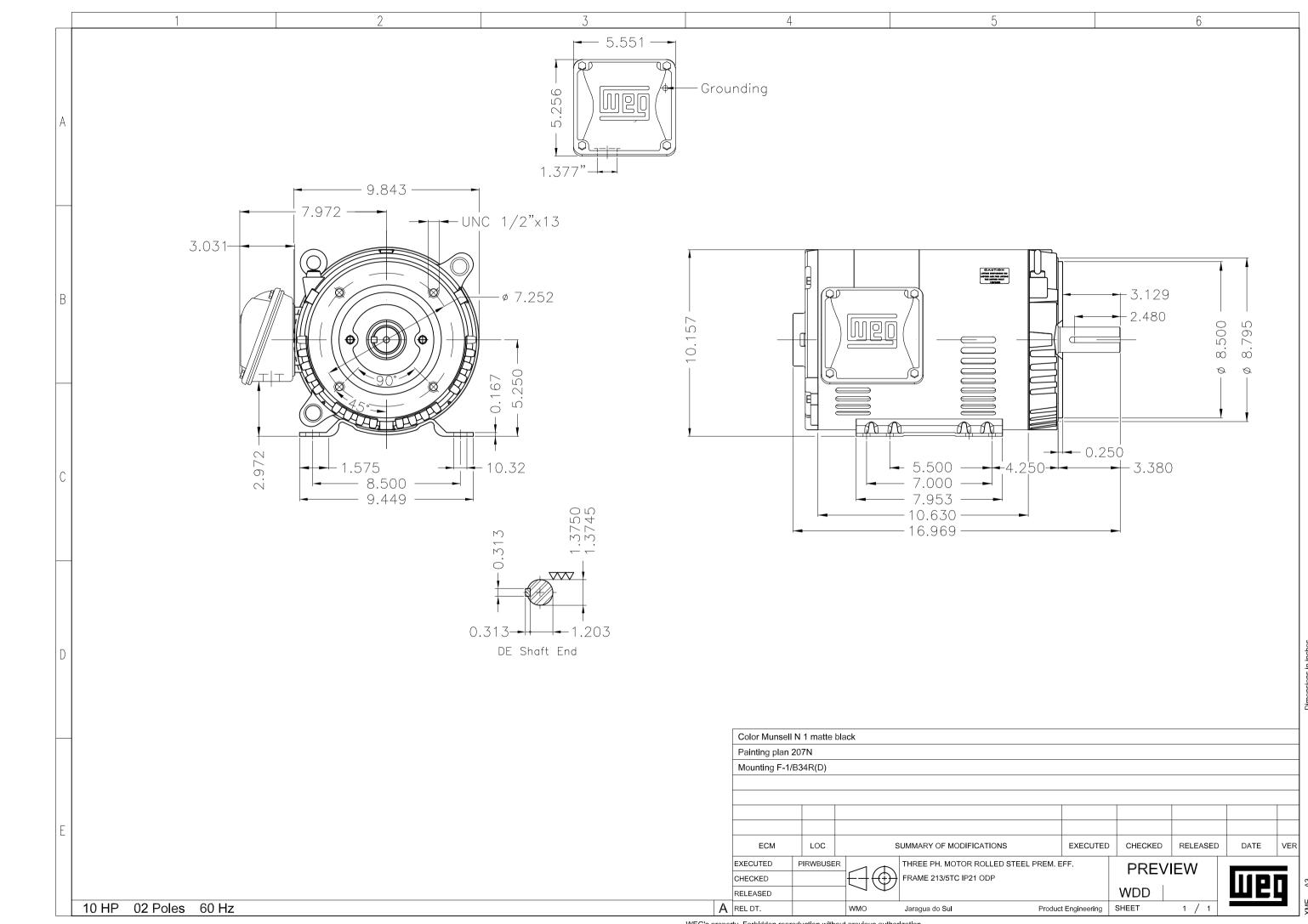


Performance	: 230/460 V 60 Hz 2P				
Rated current	: 24.0/12.0 A	Moment of inertia (J)		: 0.4651 sq.ft.lb	
LRC	: 6.8	Duty cycle		: Cont.(S1)	
Rated torque	: 14.9 ft.lb	Insulation class		: F	
Locked rotor torque	: 200 %	Service factor		: 1.15	
Breakdown torque	: 280 %	Temperature rise		: 80 K	
Rated speed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





8 Energy Verifi

3PT9

MODEL 010360T3E213TC-S CC029A N01.TODICOXON 12674692

213/5TC CONT

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S/N

2APR2022

1000 m.a.s.l F AT 80K 2°04

SCL

24.0/12.0

.15

230/460

DES SABLE @ 208V 26.5A

900

ZPM 3FA 냃 쌆

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

SF1.00 NCL 2

89.5%

NOM EFF

Inverter duty motor For 80Hz use on VPWM 1000:1 VT. 3:1 CT 2910RPM 50 Hz 8206-ZZ T6

ODE

8208-ZZ

삠

IEC 60034-1

SF1.15

190-220/380-415V

EFF 88.5%

MOBIL POLYREX EM

T2-WHT T6-GRY

T4-YEL

r3-org

T5-BLK 1-BLU



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

