DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer

Product line : NEMA Premium Efficiency Three-Product code: 12674952

Catalog #: 01036ET3E215T-SG

Frame : 213/5T Cooling method : IC411 - TEFC

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 : 1000 m.a.s.l.

Approx. weight³ Altitude : 162 lb Protection degree : IP55 Moment of inertia (J) : 0.7188 sq.ft.lb

Design		: B		·
Output [HP]		10	10	10
Poles		2	2	2
Frequency [Hz]		60	50	50
Rated voltage [V]		230/460	190/380	220/415
Rated current [A]		23.0/11.5	28.4/14.2	25.1/13.3
L. R. Amperes [A]		173/86.2	173/86.6	171/90.4
LRC [A]		7.5x(Code H)	6.1x(Code G)	6.8x(Code G)
No load current [A	.]	7.53/3.77	7.43/3.71	7.53/3.99
Rated speed [RPN	И]	3530	2900	2910
Slip [%]		1.94	3.33	3.00
Rated torque [ft.lb]]	14.9	18.1	18.0
Locked rotor torque [%]		260	190	220
Breakdown torque	: [%]	300	229	260
Service factor		1.15	1.00	1.00
Temperature rise		80 K	105 K	105 K
Locked rotor time		21s (cold) 12s (hot)	0s (cold) 0s (hot)	0s (cold) 0s (hot)
Noise level ²		70.0 dB(A)	67.0 dB(A)	67.0 dB(A)
	25%	89.3	91.7	91.3
Efficiency (%)	50%	89.5	90.0	90.1
Efficiency (70)	75%	90.2	89.2	89.7
	100%	90.2	87.2	88.2
	25%	0.53	0.59	0.55
Power Factor	50%	0.80	0.85	0.82
I OWEI FACIOI	75%	0.88	0.90	0.89
	100%	0.91	0.92	0.92

Non drive end Foundation loads Drive end

Bearing type 6208 ZZ 6206 ZZ Max. traction : 184 lb Sealing V'Ring Without Max. compression : 345 lb

Bearing Seal

Lubrication interval Lubricant amount

Mobil Polyrex EM

Notes

Lubricant type

USABLE @208V 25.4A SF 1.00 SFA 25.4A

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



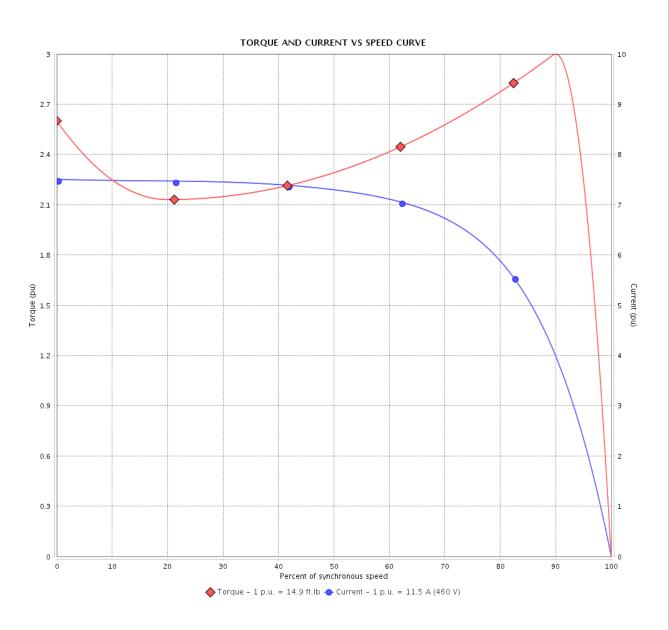
Customer :

Product line : NEMA Premium Efficiency Three-

Phase

Product code: 12674952

Catalog #: 01036ET3E215T-SG



Performance : 230/460 V 60 Hz 2P Rated current : 23.0/11.5 A Moment of inertia (J) : 0.7188 sq.ft.lb **LRC** : 7.5 Duty cycle : Cont.(S1) : F : 14.9 ft.lb Insulation class Rated torque Service factor Locked rotor torque : 260 % : 1.15 Breakdown torque : 300 % Temperature rise : 80 K Rated speed : 3530 rpm Design : B

Locked rotor time : 21s (cold) 12s (hot)

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TORQUE AND CURRENT VS SPEED CURVE

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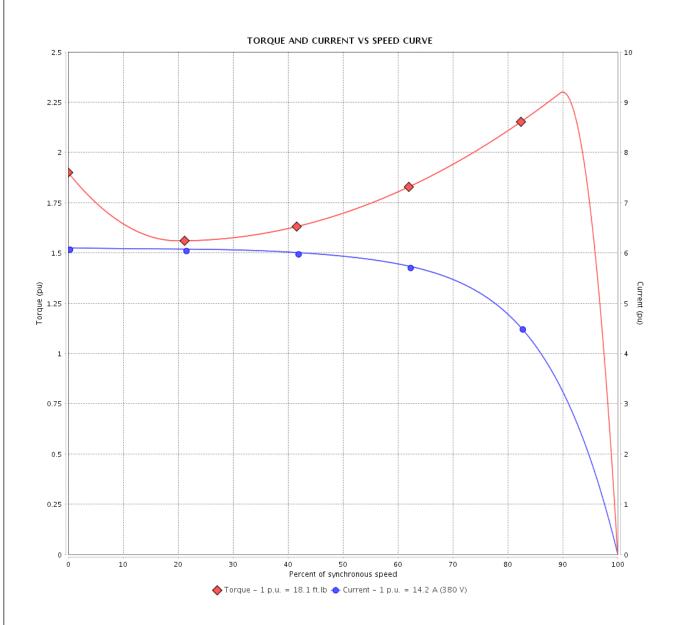


Customer :

Product line : NEMA Premium Efficiency Three- Product code : 12674952

Phase

Catalog #: 01036ET3E215T-SG



: 190/380 V 50 Hz 2P			
: 28.4/14.2 A	Moment of inertia (J)	: 0.7188 sq.ft.lb	
: 6.1	Duty cycle	: Cont.(S1)	
: 18.1 ft.lb	Insulation class	:F	
: 190 %	Service factor	: 1.00	
: 229 %	Temperature rise	: 105 K	
: 2900 rpm	Design	: B	
	: 28.4/14.2 A : 6.1 : 18.1 ft.lb : 190 % : 229 %	: 28.4/14.2 A Moment of inertia (J) : 6.1 Duty cycle : 18.1 ft.lb Insulation class : 190 % Service factor : 229 % Temperature rise	: 28.4/14.2 A Moment of inertia (J) : 0.7188 sq.ft.lb : 6.1 Duty cycle : Cont.(S1) : 18.1 ft.lb Insulation class : F : 190 % Service factor : 1.00 : 229 % Temperature rise : 105 K

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

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TORQUE AND CURRENT VS SPEED CURVE

Three Phase Induction Motor - Squirrel Cage



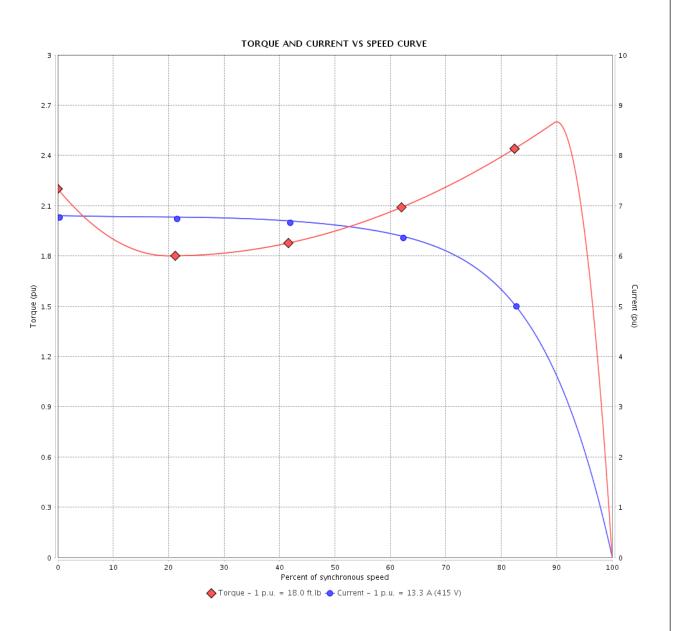
Customer :

Product line : NEMA Premium Efficiency Three-

Phase

Product code: 12674952

Catalog #: 01036ET3E215T-SG



Performance : 220/415 V 50 Hz 2P Rated current : 25.1/13.3 A Moment of inertia (J) : 0.7188 sq.ft.lb **LRC** : 6.8 Duty cycle : Cont.(S1) Insulation class Rated torque : 18.0 ft.lb : F Service factor Locked rotor torque : 220 % : 1.00 Breakdown torque : 260 % Temperature rise : 105 K Rated speed : 2910 rpm Design : B

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

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LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage



Customer

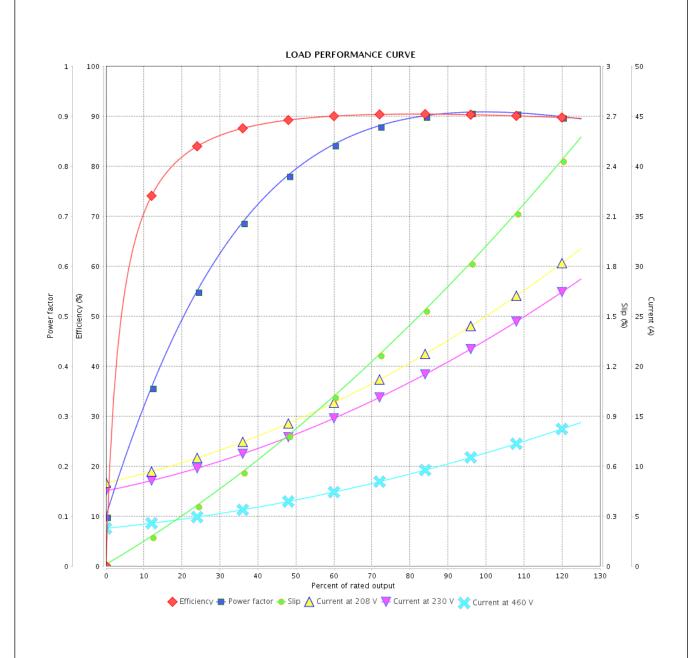
Product line : NEMA Premium Efficiency Three- Product code :

Phase

Catalog #: 01036ET3E215T-SG

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Performance	: 230/460 V 60 Hz 2P				
Rated current LRC Rated torque Locked rotor torque Breakdown torque Rated speed	: 23.0/11.5 A : 7.5 : 14.9 ft.lb : 260 % : 300 % : 3530 rpm	Moment of Duty cycle Insulation of Service fact Temperatur Design	class ctor	: 0.7188 sq.ft.l : Cont.(S1) : F : 1.15 : 80 K : B	b
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LOAD PERFORMANCE CURVE

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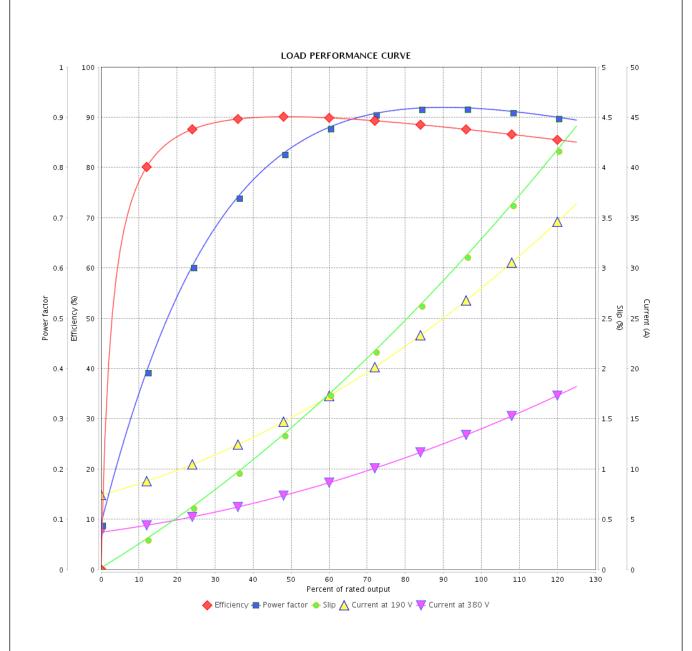
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Product line : NEMA Premium Efficiency Three- Product code : 12674952

Phase

Catalog #: 01036ET3E215T-SG



Performance : 190/380 V 50 Hz 2P : 28.4/14.2 A Rated current Moment of inertia (J) : 0.7188 sq.ft.lb **LRC** Duty cycle : Cont.(S1) : 6.1 Insulation class Rated torque : 18.1 ft.lb : F Locked rotor torque : 190 % Service factor : 1.00 Breakdown torque : 229 % Temperature rise : 105 K Rated speed : 2900 rpm Design : B Rev. Performed Checked Date **Changes Summary** Performed by

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Three Phase Induction Motor - Squirrel Cage



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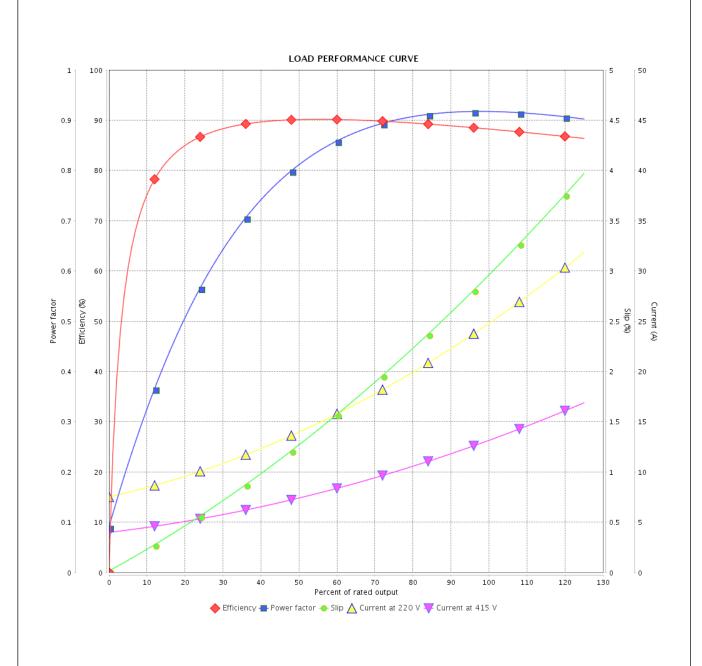
Product line : NEMA Premium Efficiency Three- Product code :

Phase

Catalog #: 01036ET3E215T-SG

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Performance	: 220/415 V 50 Hz 2P				
Rated current	: 25.1/13.3 A	Moment of inertia (J)		: 0.7188 sq.ft.l	b
LRC	: 6.8	Duty cycle		: Cont.(S1)	
Rated torque	: 18.0 ft.lb	Insulation cla	ass	: F	
Locked rotor torque	: 220 %	Service factor Temperature rise Design		: 1.00 : 105 K	
Breakdown torque	: 260 %				
Rated speed	: 2910 rpm			: B	
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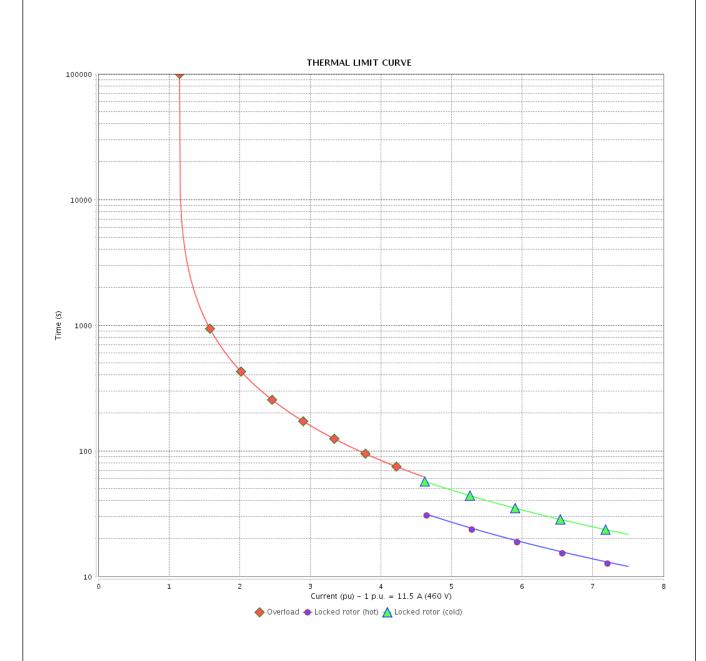


Customer	:				
Product line	: NEMA Premium Efficiency	Three-	Product code :	12674952	
	Phase		Catalog # :	01036ET3E2	215T-SG
				0.0000	
Performance	: 230/460 V 60 Hz 2P				
Rated current LRC	: 23.0/11.5 A : 7.5	Moment o	f inertia (J)	: 0.7188 sq.ft.l : Cont.(S1)	b
Rated torque	: 14.9 ft.lb	Insulation	class	: F	
Locked rotor torque	: 260 %	Service fa		: 1.15	
Breakdown torque Rated speed	: 300 % : 3530 rpm	Temperatu Design	are rise	: 80 K : B	
Heating constant					
Cooling constant					
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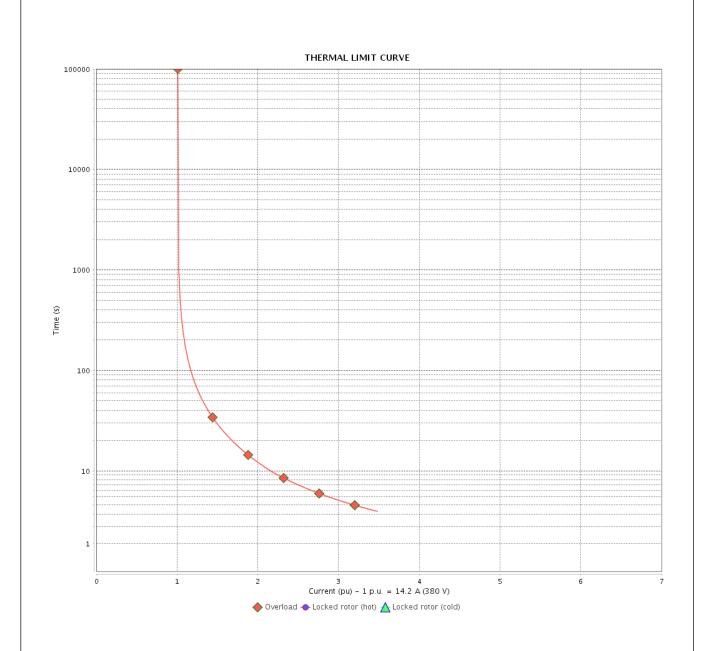


Customer		:				
Product line		: NEMA Premium Efficiency	Three-	Product code :	12674952	
		Phase		Catalog # :	01036ET3E2	15T-SG
Performance		: 190/380 V 50 Hz 2P				
Rated current		: 28.4/14.2 A	Moment of	of inertia (J)	: 0.7188 sq.ft.ll	b
LRC		: 6.1	Duty cycle	е	: Cont.(S1)	-
Rated torque Locked rotor tord		: 18.1 ft.lb : 190 %	Insulation Service fa		: F : 1.00	
Breakdown torqu	ie :	: 229 %	Temperat		: 105 K	
Rated speed		: 2900 rpm	Design		: B	
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Cooling constant	t	Oh a sa a sa		D. (Ob. 1	Б.
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Three Phase Induction Motor - Squirrel Cage



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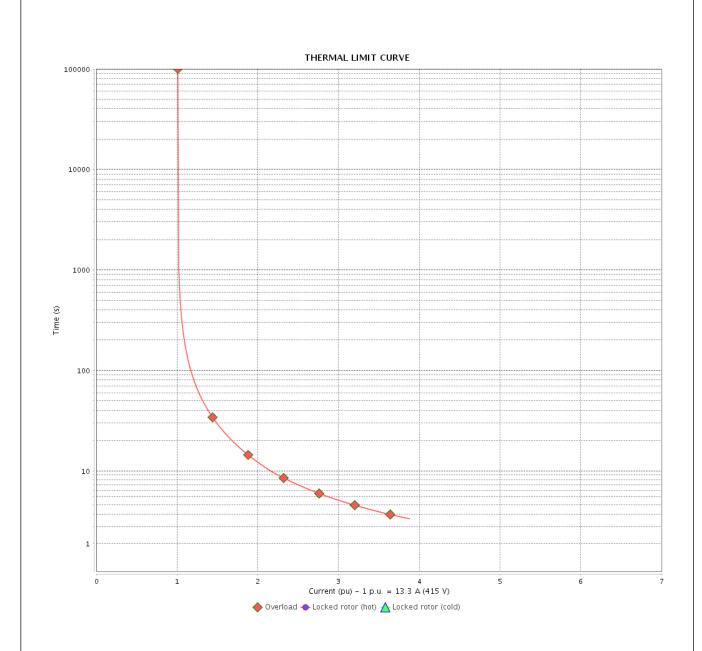


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Product line	:1	NEMA Premium Efficiency	Three-	Product code :	12674952	
		hase		Catalog # :	01036ET3E2	15T_SG
				Catalog # .	01030E13E2	101-36
Performance	: 22	20/415 V 50 Hz 2P				
Rated current	: 2	5.1/13.3 A	Moment o	f inertia (J)	: 0.7188 sq.ft.l	b
LRC Rated torque	: 6. · 19	.8 8.0 ft.lb	Duty cycle Insulation	;	: Cont.(S1) : F	
Locked rotor torque	ie : 22	20 %	Service fa	ctor	. r : 1.00	
Breakdown torque	: 20	60 %	Temperatu	ıre rise	: 105 K	
Rated speed	: 29	910 rpm	Design		: B	
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 :

Checked by

Date

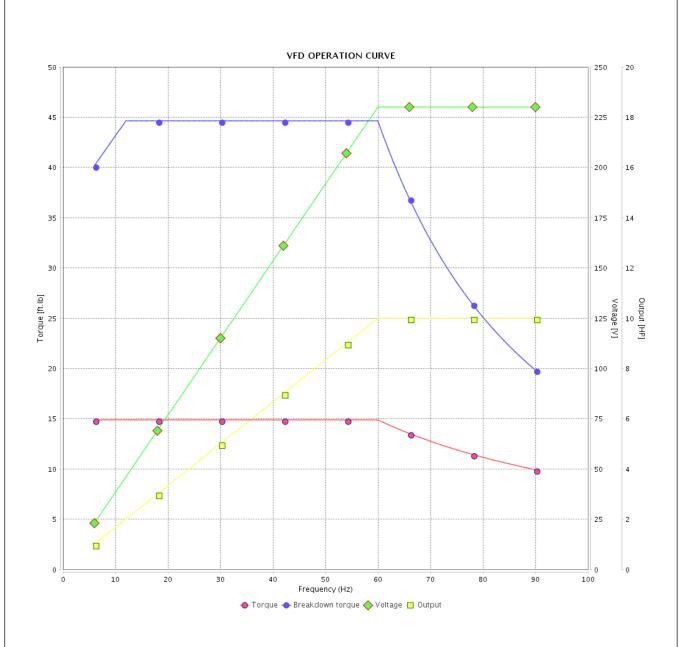
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Product line : NEMA Premium Efficiency Three-

Phase

Product code: 12674952

Catalog #: 01036ET3E215T-SG



Performance		: 230/460 V 60 H	lz 2P			
Rated current LRC Rated torque Locked rotor tord Breakdown torqu Rated speed	•	: 23.0/11.5 A : 7.5 : 14.9 ft.lb : 260 % : 300 % : 3530 rpm	Moment of Duty cycle Insulation Service fa Temperate Design	class ctor	: 0.7188 sq.ft.l : Cont.(S1) : F : 1.15 : 80 K : B	b
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VFD OPERATION CURVE

Three Phase Induction Motor - Squirrel Cage



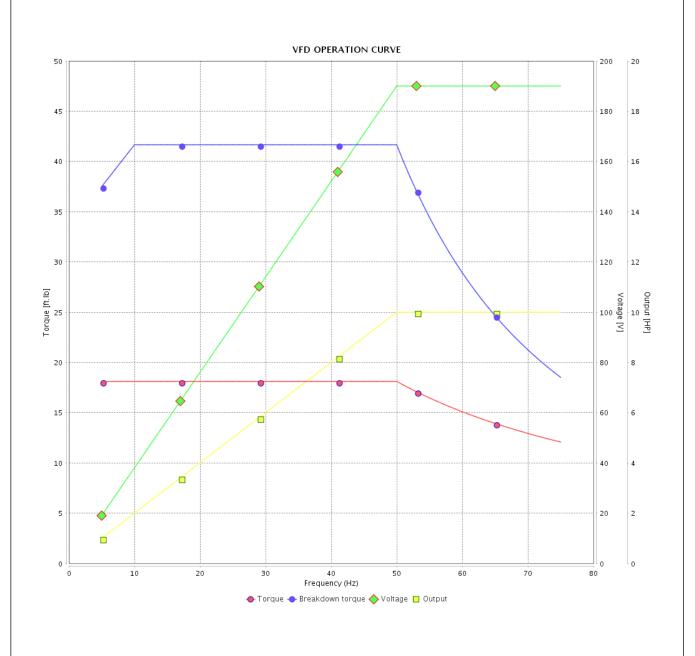
Customer

Product line : NEMA Premium Efficiency Three- Product code :

Phase

Catalog #: 01036ET3E215T-SG

12674952



Performance	:	: 190/380 V 50 Hz 2P						
Rated current	:	28.4/14.2 A	/14.2 A Moment of inertia (J)		: 0.7188 sq.ft.lb			
LRC		6.1	Duty cycle		: Cont.(S1)			
Rated torque	:	18.1 ft.lb	Insulation class		: F			
Locked rotor torque	e :	190 %	Service factor		: 1.00			
Breakdown torque	:	: 229 %		Temperature rise		: 105 K		
Rated speed	:	2900 rpm	Design		: B			
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VFD OPERATION CURVE

Three Phase Induction Motor - Squirrel Cage



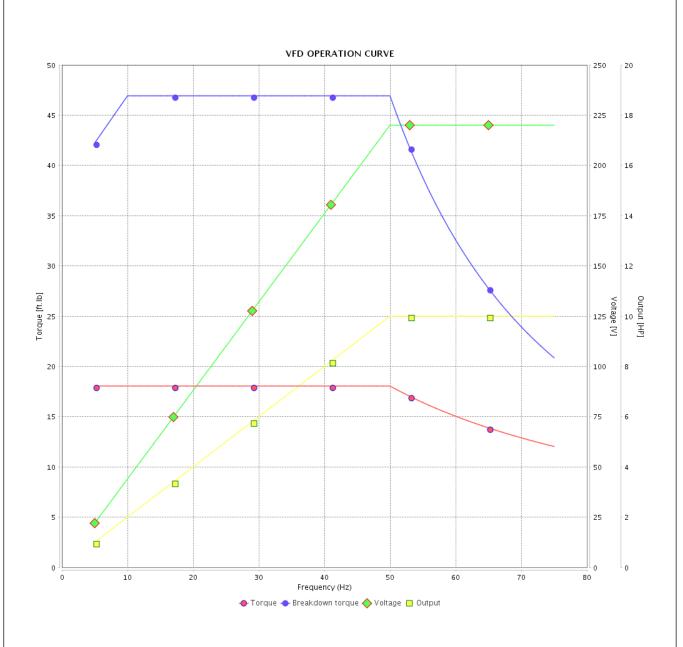
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Product line : NEMA Premium Efficiency Three-

Phase

Product code: 12674952

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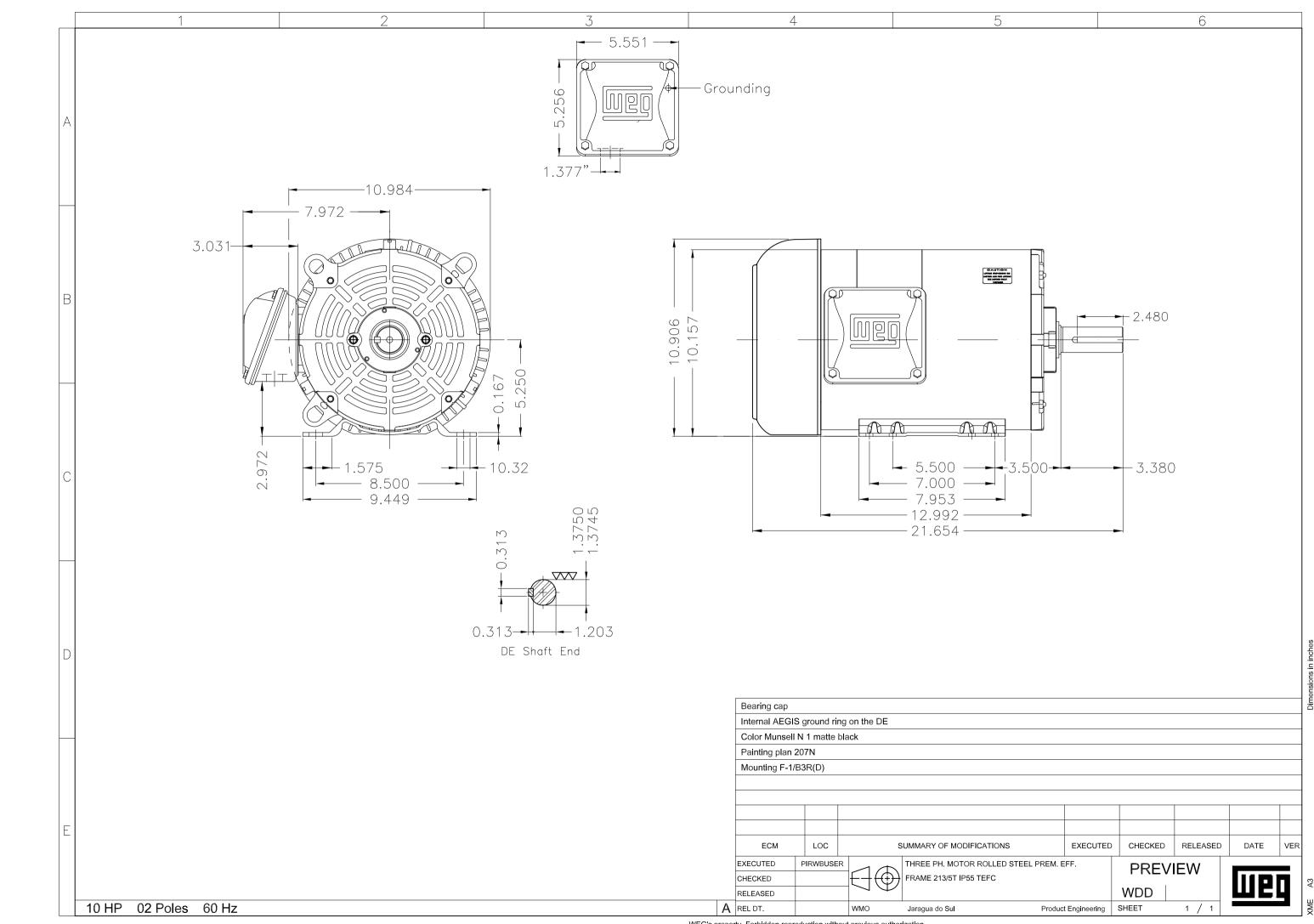


: 220/415 V 50 Hz 2P						
: 25.1/13.3 A : 6.8 : 18.0 ft.lb : 220 % : 260 % : 2910 rpm	Moment of inertia (J) Duty cycle Insulation class Service factor Temperature rise Design		: 0.7188 sq.ft.lb : Cont.(S1) : F : 1.00 : 105 K : B			
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	: 25.1/13.3 A : 6.8 : 18.0 ft.lb : 220 % : 260 % : 2910 rpm	: 25.1/13.3 A Moment o : 6.8 Duty cycle : 18.0 ft.lb Insulation : 220 % Service fa : 260 % Temperatu : 2910 rpm Design	: 25.1/13.3 A : 6.8 : 18.0 ft.lb : 220 % : 260 % : 2910 rpm Moment of inertia (J) Duty cycle Insulation class Service factor Temperature rise Design	: 25.1/13.3 A Moment of inertia (J) : 0.7188 sq.ft. : 6.8 Duty cycle : Cont.(S1) : 18.0 ft.lb Insulation class : F : 220 % Service factor : 1.00 : 260 % Temperature rise : 105 K : 2910 rpm Design : B Changes Summary Performed Checked		

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12/04/2022

Date





S Su Su Energy Verifi (**UL)**US LISTED 3PT9

> MODEL 01036ET3E215T-SG Hz 60 S/N 213/51

N01.TE0IC0X0N

12674952

MADE IN MÉXICO

P55 1000 m.a.s.l F AT 80K CONT

23.0/11.5

230/460 26.4/1 1.15

> CODE SHO SABLE @ 208V 25.4A

TEFC 0

> SF1.00 INC.

NSC

ZPM 3FA 냃 쌆

Inverter duty motor For 60Hz use on VPWM 1000:1 VT, 10:1 CT ODE 6206-22 큠 28.4-24.3/14.2-12.9A ALTERNATE RATING:

IEC 60034-1

SF1.00

190-220/380-415V

90.2%

NOM EFF 2900RPM

50 Hz

EFF 87.2%

8208-ZZ

MOBIL POLYREX EM

T6

T2-WHT

11-BLU

T4-YEL

T6-GRY

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



shocks. Disconnect power source before servicing unit. and national electrical codes to prevent serious electrical

T8-RED RED

choc électrique grave. Déconnectez l'alimentation avant l'entretien de la machine conformément aux codes électriques locaux et nationaux afin d'éviter tout AVERTISSEMENT: Le moteur doit être mis à la terre NTERCHANGE ANY TWO LINE WIRES TO REVERSE THE ROTATION WARNING: Motor must be grounded in accordance with local