DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : NEMA Premium Efficiency Three- Product code : 12674986

Phase

Catalog #: 01018ET3E215T-SG

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

Insulation class : F Mounting : F-1

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

Ambient temperature : -20°C to +40°C Starting method : Direct On Line
Altitude : 1000 m.a.s.l. Approx. weight³ : 127 lb

Altitude : 1000 m.a.s.l. Approx. weight : 127 lb

Protection degree : IP55 Moment of inertia (J) : 1.07 sq.ft.lb

Design : B Output [HP] 10 7.5 7.5 Poles 4 4 Frequency [Hz] 60 50 50 Rated voltage [V] 230/460 190/380 220/415 Rated current [A] 24.4/12.2 22.4/11.2 20.8/11.0 L. R. Amperes [A] 171/85.4 170/85.1 172/91.3 LRC [A] 7.6x(Code J) 8.3x(Code K) 7.0x(Code H) No load current [A] 11.1/5.54 10.9/5.46 11.3/5.97 Rated speed [RPM] 1760 1465 1470 Slip [%] 2.22 2.33 2.00 Rated torque [ft.lb] 29.8 26.9 26.8 Locked rotor torque [%] 250 250 290

Breakdown torque [%] 300 320 360 Service factor 1.15 1.15 1.15 Temperature rise 80 K 80 K 80 K Locked rotor time 27s (cold) 15s (hot) 0s (cold) 0s (hot) 0s (cold) 0s (hot) Noise level² 60.0 dB(A) 57.0 dB(A) 57.0 dB(A) 25% 90.2 90.4 89.3 50% 91.0 90.1 89.4 Efficiency (%) 75% 90.7 90.5 91.0 90.3 100% 91.7 90.1

25% 0.34 0.41 0.38 50% 0.67 0.64 0.59 Power Factor 75% 0.76 0.73 0.78 100% 0.84 0.83 0.80

Max. compression

Bearing type

Drive end Non drive end Foundation loads
6208 ZZ 6206 ZZ Max. traction : 480 lb

Sealing : V'Ring Without Bearing Seal

Lubrication interval : - - Lubricant amount : - Lubricant type : Mobil Polyrex EM

Notes

USABLE @208V 27.0A SF 1.00 SFA 27.0A

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.

: 608 lb

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TORQUE AND CURRENT VS SPEED CURVE

Three Phase Induction Motor - Squirrel Cage



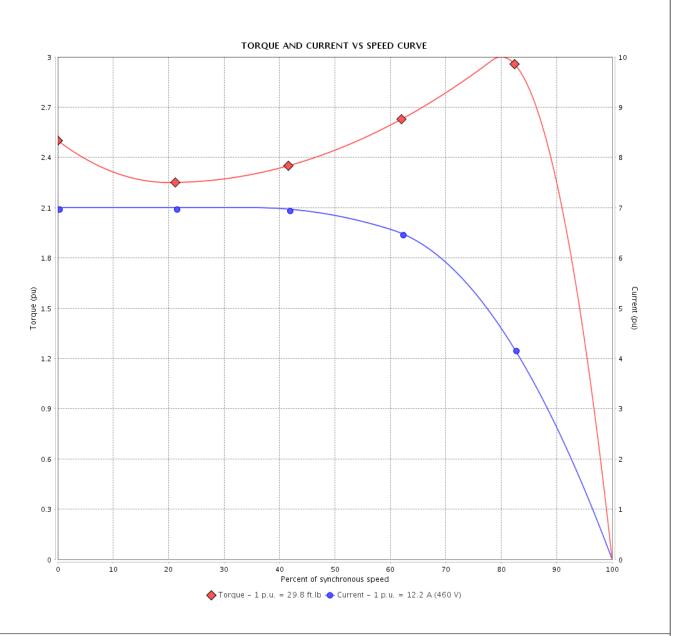
Customer :

Product line : NEMA Premium Efficiency Three-

Phase

Product code: 12674986

Catalog #: 01018ET3E215T-SG



Performance : 230/460 V 60 Hz 4P Rated current : 24.4/12.2 A Moment of inertia (J) : 1.07 sq.ft.lb **LRC** : 7.0 Duty cycle : Cont.(S1) : 29.8 ft.lb Insulation class Rated torque : F Locked rotor torque : 250 % Service factor : 1.15 Breakdown torque : 300 % Temperature rise : 80 K Rated speed : 1760 rpm Design : B

Locked rotor time : 27s (cold) 15s (hot)

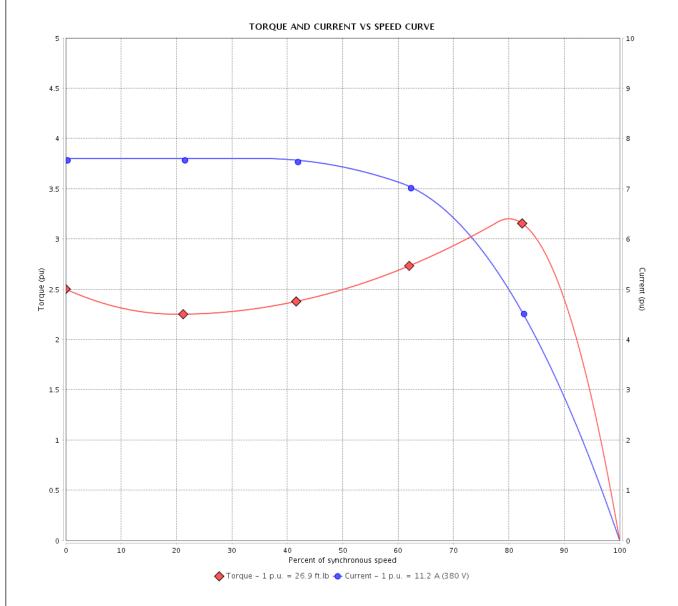
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TORQUE AND CURRENT VS SPEED CURVE

Three Phase Induction Motor - Squirrel Cage



Customer Product line : NEMA Premium Efficiency Three-Product code: 12674986 Catalog #: 01018ET3E215T-SG



Performance : 190/380 V 50 Hz 4P Rated current : 22.4/11.2 A Moment of inertia (J) : 1.07 sq.ft.lb **LRC** : 7.6 Duty cycle : Cont.(S1) : 26.9 ft.lb Insulation class : F Rated torque : 250 % Locked rotor torque Service factor : 1.15 Breakdown torque : 320 % Temperature rise : 80 K : B Rated speed : 1465 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



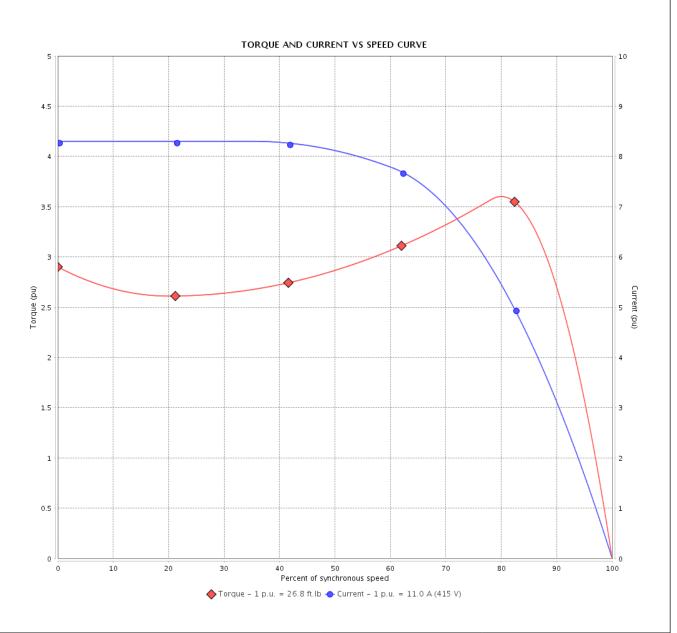
Customer :

Product line : NEMA Premium Efficiency Three- Product code :

Phase

Catalog #: 01018ET3E215T-SG

12674986



Performance : 220/415 V 50 Hz 4P Rated current : 20.8/11.0 A Moment of inertia (J) : 1.07 sq.ft.lb **LRC** : 8.3 Duty cycle : Cont.(S1) Insulation class Rated torque : 26.8 ft.lb : F Locked rotor torque : 290 % Service factor : 1.15 Breakdown torque : 360 % Temperature rise : 80 K Rated speed : 1470 rpm Design : B

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

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LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage



Customer

Date

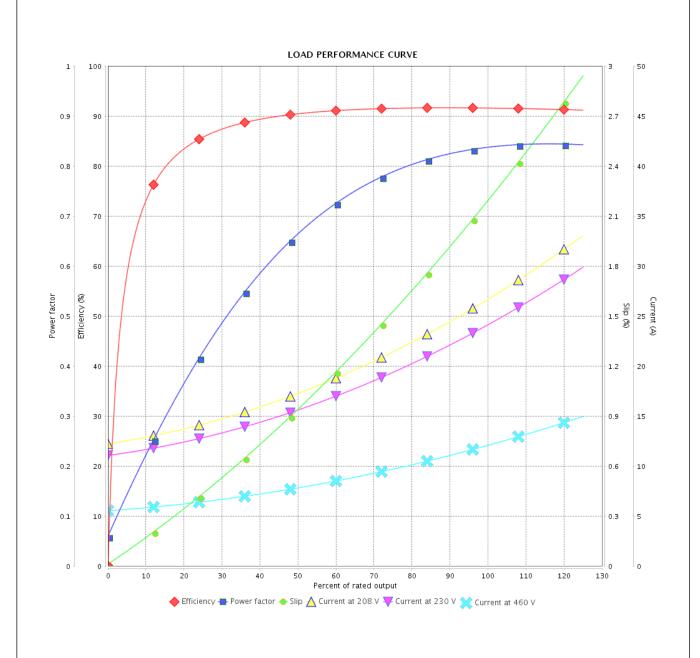
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Product line : NEMA Premium Efficiency Three- Product code : 12674986

Phase

Catalog #: 01018ET3E215T-SG

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Performance	: 230/460 V 60 Hz 4P				
Rated current LRC Rated torque Locked rotor torque Breakdown torque Rated speed	: 24.4/12.2 A : 7.0 : 29.8 ft.lb : 250 % : 300 % : 1760 rpm	Moment of Duty cycle Insulation of Service fact Temperatur Design	class ctor	: 1.07 sq.ft.lb : Cont.(S1) : F : 1.15 : 80 K : B	
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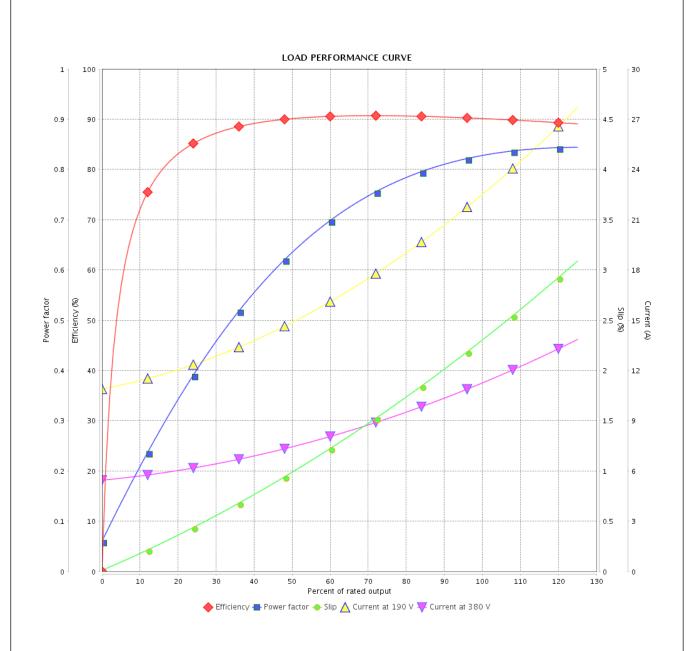
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Product line : NEMA Premium Efficiency Three- Product code :

Phase

Catalog #: 01018ET3E215T-SG

12674986



Performance	: 190/380 V 50 Hz 4P				
		T			
Rated current	: 22.4/11.2 A	Moment of	` '	: 1.07 sq.ft.lb	
LRC	: 7.6	Duty cycle		: Cont.(S1)	
Rated torque	: 26.9 ft.lb	Insulation	class	: F	
Locked rotor torque	: 250 %	Service factor		: 1.15	
Breakdown torque	: 320 %	Temperature rise		: 80 K	
Rated speed	: 1465 rpm	Design		: B	
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Three Phase Induction Motor - Squirrel Cage

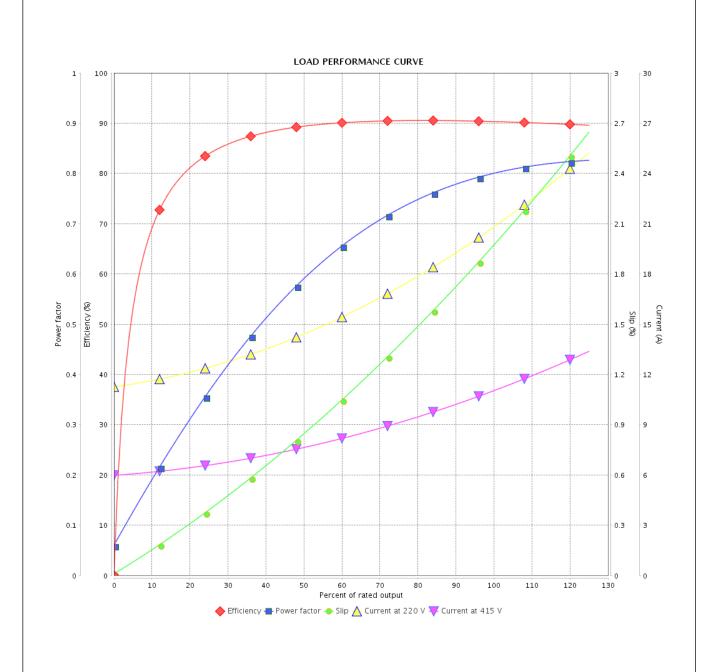


Customer

Product line : NEMA Premium Efficiency Three- Product code : 12674986

Phase

Catalog #: 01018ET3E215T-SG



Performance	: 2	220/415 V 50 Hz 4P				
Rated current	: 2	: 20.8/11.0 A Moment		f inertia (J)	: 1.07 sq.ft.lb	
LRC	: 8	.3	Duty cycle)	: Cont.(S1)	
Rated torque	: 2	6.8 ft.lb	Insulation	class	: F	
Locked rotor torqu	ie : 2	90 %	Service fa	ctor	: 1.15	
Breakdown torque : 360 %		60 %	Temperature rise		: 80 K	
Rated speed	: 1	470 rpm	Design		: B	
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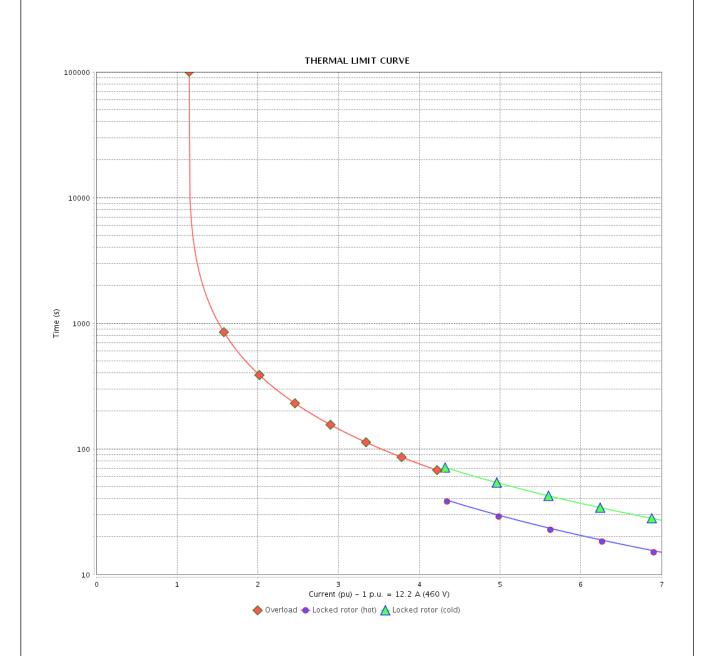


Customer	:				
Product line	: NEMA Premium Efficiency	Three-	Product code :	12674986	
	Phase		Catalog # :	01018ET3E2	15T-SG
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Performance	: 230/460 V 60 Hz 4P				
Rated current LRC	: 24.4/12.2 A : 7.0	Moment o Duty cycle	f inertia (J)	: 1.07 sq.ft.lb : Cont.(S1)	
Rated torque	: 29.8 ft.lb	Insulation	class	: F	
Locked rotor torque	: 250 %	Service fa		: 1.15	
Breakdown torque Rated speed	: 300 % : 1760 rpm	Temperatu Design	ire rise	: 80 K : B	
Heating constant	·				
Cooling constant					
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Three Phase Induction Motor - Squirrel Cage



Customer



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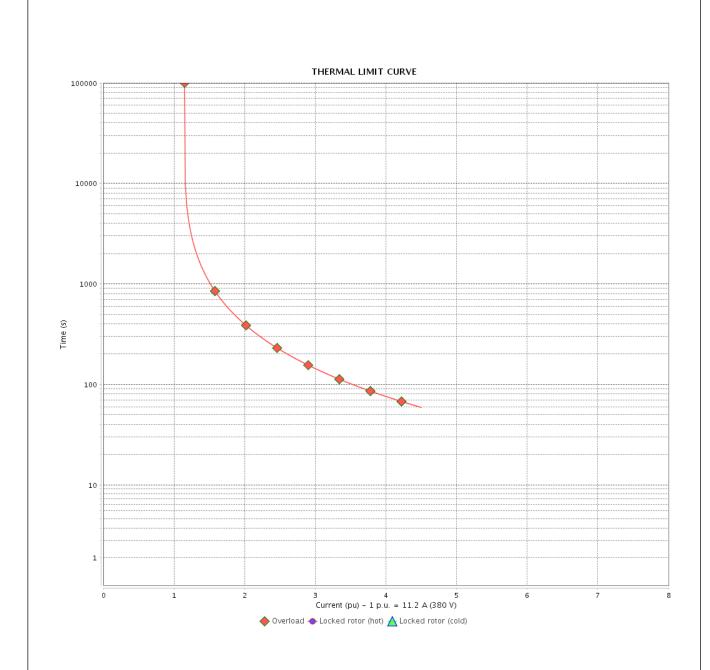


Customer		:				
Product line		: NEMA Premium Efficiency Phase	Three-	Product code :	12674986	
		Thase		Catalog # :	01018ET3E21	I5T-SG
Performance		: 190/380 V 50 Hz 4P	N 4	. C C / D	4.07 6.11	
Rated current LRC		: 22.4/11.2 A : 7.6	Duty cycle	of inertia (J) e	: 1.07 sq.ft.lb : Cont.(S1)	
Rated torque		26.9 ft.lb	Insulation	class	: F	
Locked rotor tord Breakdown torqu		: 250 % : 320 %	Service fa Temperat		: 1.15 : 80 K	
Rated speed		: 1465 rpm	Design		: B	
Heating constant	t					
Cooling constant					·	
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Three Phase Induction Motor - Squirrel Cage



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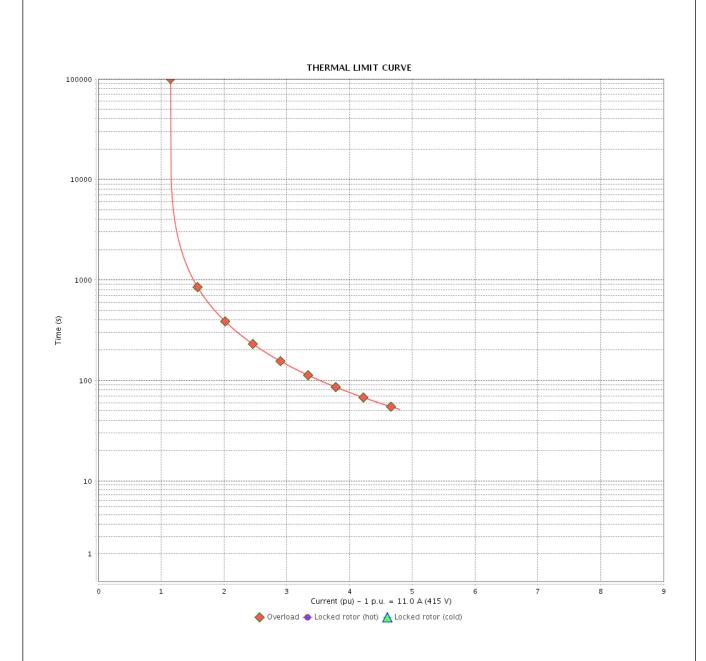


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Product line	: 1	NEMA Premium Efficiency	Three-	Product code :	12674986	
		hase		Catalog # :	01018ET3E2 ⁻	15T_SC
				Catalog # .	01016E13E2	101-00
Performance	: 22	20/415 V 50 Hz 4P				
Rated current		0.8/11.0 A	Moment o	f inertia (J)	: 1.07 sq.ft.lb	
LRC Rated torque	: 8. · 26	3 6.8 ft.lb	Duty cycle Insulation	e class	: Cont.(S1) : F	
Locked rotor torque	e : 29	90 %	Service fa	ctor	: 1.15	
Breakdown torque		60 %	Temperatu	ure rise	: 80 K	
Rated speed	. 14	470 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

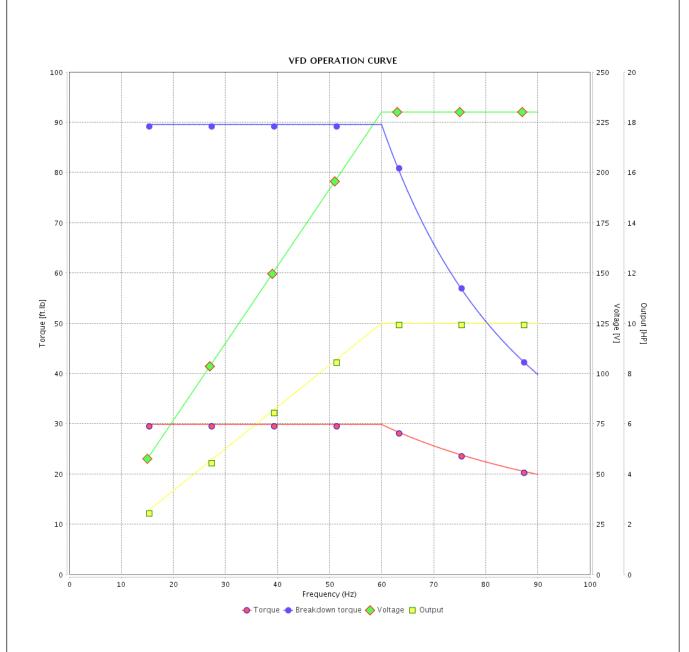
12/04/2022

Product line : NEMA Premium Efficiency Three-

Phase

Product code: 12674986

Catalog #: 01018ET3E215T-SG



Performance		: 230/460 V 60 Hz 4F	D			
Rated current LRC Rated torque Locked rotor tord Breakdown torqu Rated speed	jue je	: 24.4/12.2 A : 7.0 : 29.8 ft.lb : 250 % : 300 % : 1760 rpm	Duty cy Insulation Service	on class	: 1.07 sq.ft.lb : Cont.(S1) : F : 1.15 : 80 K : B	
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VFD OPERATION CURVE

Three Phase Induction Motor - Squirrel Cage



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Product line : NEMA Premium Efficiency Three- Product code :

Phase

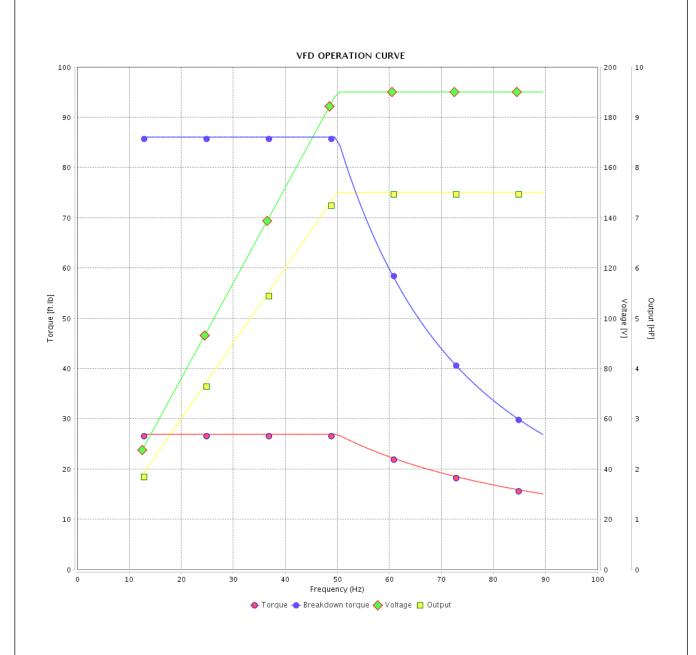
Product code : 12674986

Catalog #: 01018ET3E215T-SG

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Revision



Performance	: 190/380 V 50 Hz 4P					
Rated current LRC Rated torque Locked rotor torque Breakdown torque Rated speed	: 22.4/11.2 A : 7.6 : 26.9 ft.lb : 250 % : 320 % : 1465 rpm	Moment of inertia (J) Duty cycle ft.lb Insulation class Service factor Temperature rise		: 1.07 sq.ft.lb : Cont.(S1) : F : 1.15 : 80 K : B		
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VFD OPERATION CURVE

Three Phase Induction Motor - Squirrel Cage

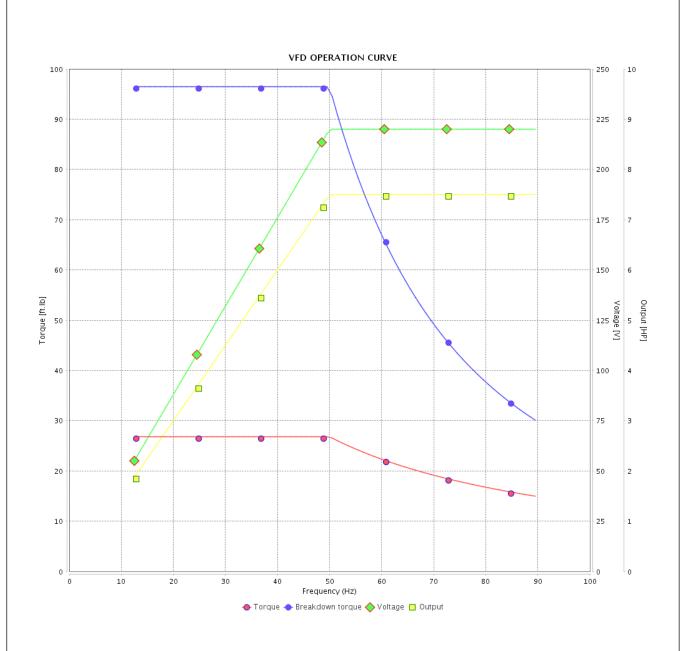


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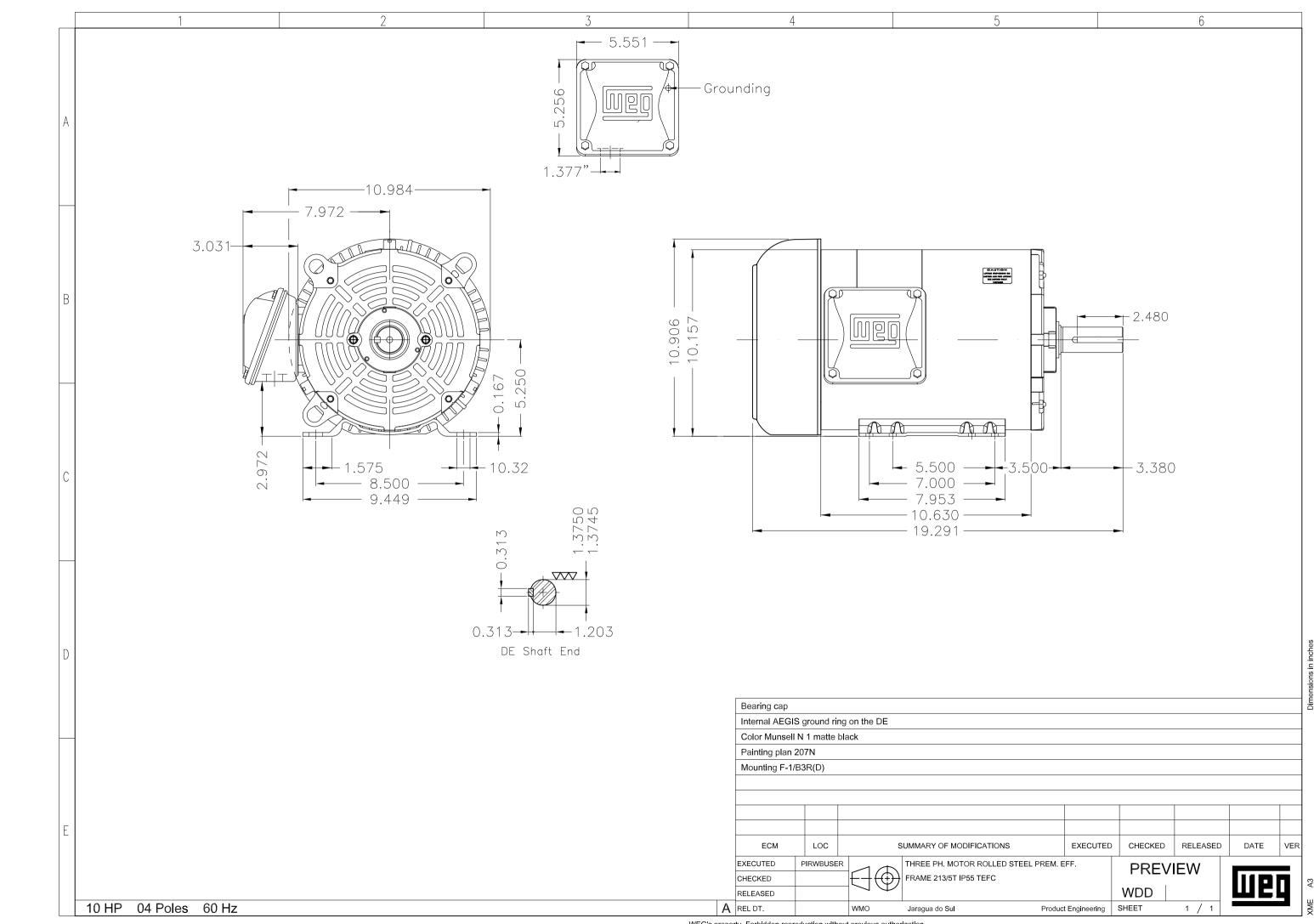


							
Performance	: 220/415 V 50 Hz 4P						
Rated current LRC Rated torque Locked rotor torque Breakdown torque	: 20.8/11.0 A : 8.3 : 26.8 ft.lb : 290 % : 360 %	Moment of inertia (J) Duty cycle Insulation class Service factor Temperature rise		: 1.07 sq.ft.lb : Cont.(S1) : F : 1.15 : 80 K			
Rated speed	: 1470 rpm	Design		: B			
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Date





NEX MADE IN MÉXICO

(**VL)**US LISTED

3PT9

N01.TE0IC0X0N 12674986

MODEL 01018ET3E215T-SG

Hz 60 S/N

213/5T 21APR2022

CONT

230/460

S Su Su Energy Verifi

28.1/14.0

P55

1000 m.a.s.l

F AT 80K

SCI

1.15

IEC 60034-1

Inverter duty motor For 80Hz use on VPWM 1000:1 VT. 4:1 CT

MOBIL POLYREX EM

ODE 6206-22 7.5HP

8208-ZZ

삠

T6

SF1.15

190-220/380-415V

91.7%

NOM EFF NEMA 1465RPM

50 Hz

22.4-20.6/11.2-10.9A

ZPM 3FA 쑮 쌆

> CODE DES

TEFC 0

SABLE @ 208V 27.0A ALTERNATE RATING:

SF1.00 INC. 2

EFF 90.1%

T6-GRY 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 shocks. Disconnect power source before servicing unit. NTERCHANGE ANY TWO LINE WIRES TO REVERSE THE ROTATION WARNING: Motor must be grounded in accordance with local and national electrical codes to prevent serious electrical

T2-WHT T4-YEL

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