DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : NEMA Premium Efficiency Three- Product code : 12674985

Phase

Catalog #: 00718ET3E213T-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

: 1000 m.a.s.l. Approx. weight³ : 121 lb Altitude Protection degree : IP55 Moment of inertia (J) : 0.9380 sq.ft.lb Design : B Output [HP] 7.5 7.5 7.5 Poles Frequency [Hz] 60 50 50 Rated voltage [V] 230/460 190/380 220/415 Rated current [A] 18.1/9.07 22.0/11.0 20.0/10.6 L. R. Amperes [A] 132/66.2 136/68.2 136/72.1 6.8x(Code H) LRC [A] 7.3x(Code H) 6.2x(Code G) No load current [A] 8.81/4.41 8.65/4.33 8.93/4.73 Rated speed [RPM] 1770 1455 1460 Slip [%] 1.67 3.00 2.67 Rated torque [ft.lb] 22.3 27.1 27.0 Locked rotor torque [%] 260 190 220 Breakdown torque [%] 300 250 280 Service factor 1.15 1.00 1.00 Temperature rise 80 K 105 K 80 K Locked rotor time 39s (cold) 22s (hot) 0s (cold) 0s (hot) 0s (cold) 0s (hot) Noise level² 60.0 dB(A) 57.0 dB(A) 57.0 dB(A) 25% 89.4 91.3 90.4 50% 90.2 90.2 89.8 Efficiency (%) 75% 91.0 90.0 90.1 89.2 100% 91.7 88.6 0.41 25% 0.39 0.45 50% 0.71 0.67 0.64 Power Factor

<u>Drive end</u> <u>Non drive end</u> Foundation loads

Bearing type : 6208 ZZ 6206 ZZ Max. traction : 366 lb Sealing : V'Ring Without Max. compression : 486 lb

0.76

0.82

Bearing Seal

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

Notes

USABLE @208V 20.1A SF 1.00 SFA 20.1A

75%

100%

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.

0.79

0.84

0.82

0.86

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TORQUE AND CURRENT VS SPEED CURVE

Three Phase Induction Motor - Squirrel Cage



Customer :

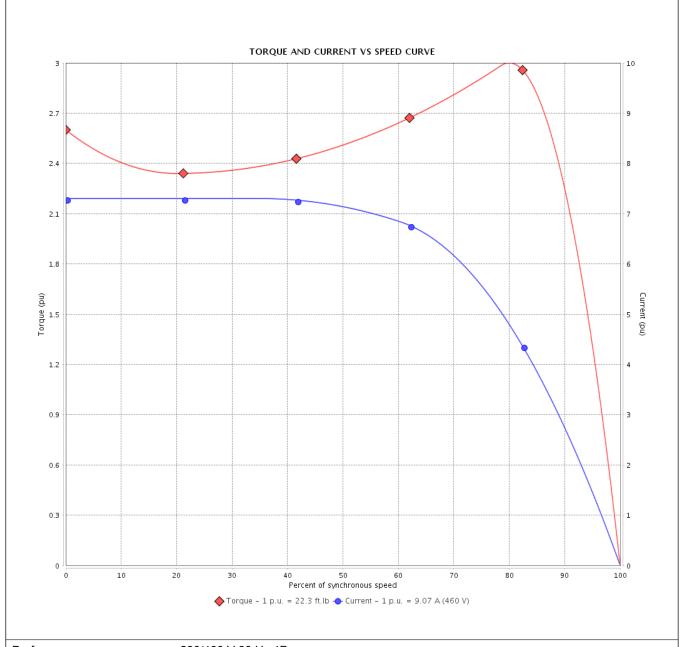
Product line : NEMA Premium Efficiency Three-

Phase

Product code: 12674985

Catalog #: 00718ET3E213T-SG

: B



Performance : 230/460 V 60 Hz 4P Rated current : 18.1/9.07 A Moment of inertia (J) : 0.9380 sq.ft.lb **LRC** : 7.3 Duty cycle : Cont.(S1) : F : 22.3 ft.lb Insulation class Rated torque Service factor Locked rotor torque : 260 % : 1.15 Breakdown torque : 300 % Temperature rise : 80 K

Rated speed : 1770 rpm Design

Locked rotor time : 39s (cold) 22s (hot)

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TORQUE AND CURRENT VS SPEED CURVE

Three Phase Induction Motor - Squirrel Cage

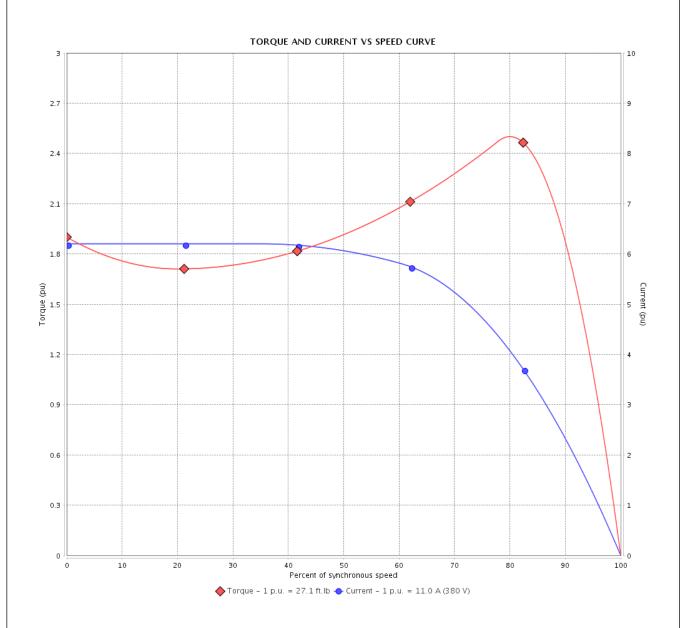


Customer :

Product line : NEMA Premium Efficiency Three- Product code : 12674985

Phase

Catalog #: 00718ET3E213T-SG



Performance	: 190/380 V 50 Hz 4P			
Rated current	: 22.0/11.0 A	Moment of inertia (J)	: 0.9380 sq.ft.lb	
LRC	: 6.2	Duty cycle	: Cont.(S1)	
Rated torque	: 27.1 ft.lb	Insulation class	:F	
Locked rotor torque	: 190 %	Service factor	: 1.00	
Breakdown torque	: 250 %	Temperature rise	: 105 K	
Rated speed	: 1455 rpm	Design	: B	

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

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TORQUE AND CURRENT VS SPEED CURVE

Three Phase Induction Motor - Squirrel Cage



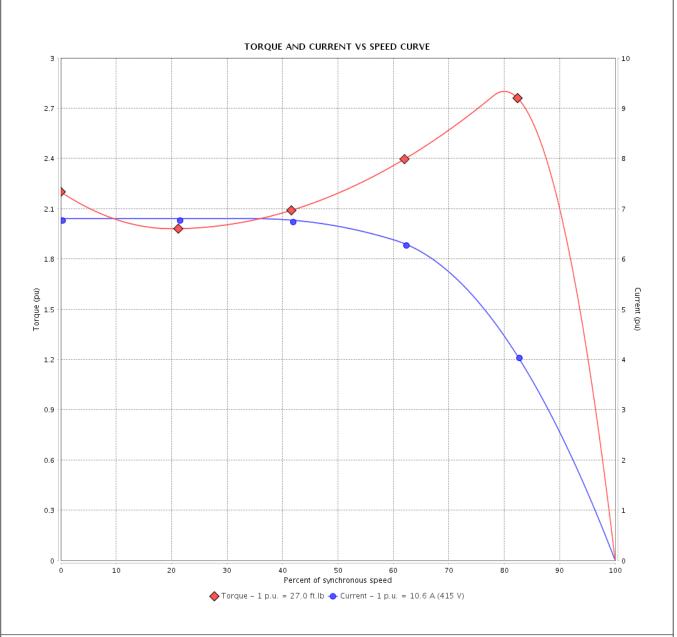
Customer :

Product line : NEMA Premium Efficiency Three- F

Phase

Product code: 12674985

Catalog #: 00718ET3E213T-SG



Performance : 220/415 V 50 Hz 4P Rated current : 20.0/10.6 A Moment of inertia (J) : 0.9380 sq.ft.lb **LRC** : 6.8 Duty cycle : Cont.(S1) : F : 27.0 ft.lb Insulation class Rated torque Service factor Locked rotor torque : 220 % : 1.00 Breakdown torque : 280 % Temperature rise : 80 K Rated speed : 1460 rpm Design : B

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

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LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage

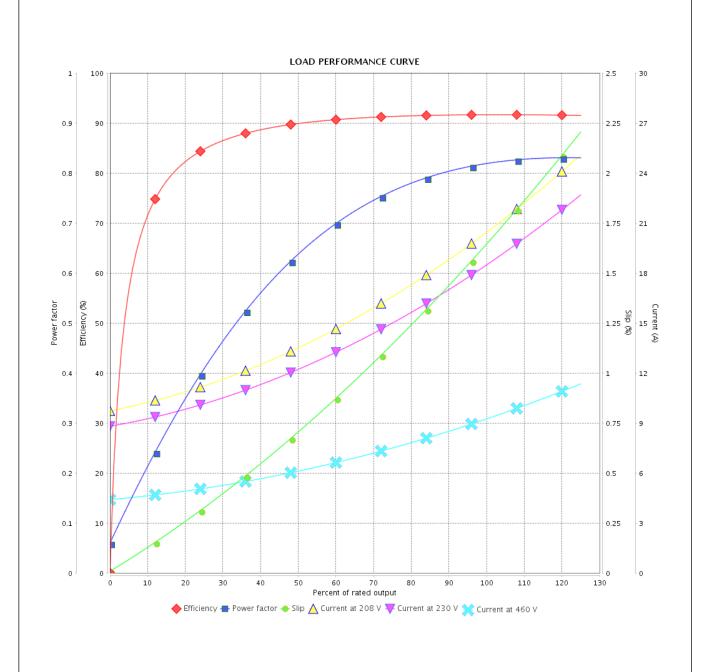


Customer

Product line : NEMA Premium Efficiency Three- Product code : 12674985

Phase

Catalog #: 00718ET3E213T-SG



Performance	: 2	30/460 V 60 Hz 4P				
Rated current	: 1	8.1/9.07 A	Moment o	f inertia (J)	: 0.9380 sq.ft.lb	
LRC	: 7	.3	Duty cycle)	: Cont.(S1)	
Rated torque	: 2	2.3 ft.lb	Insulation	class	: F	
Locked rotor torq	ue : 2	60 %	Service fa	ctor	: 1.15	
Breakdown torqu	e :3	00 %	Temperati	Temperature rise		
Rated speed	: 1	770 rpm	Design		: B	
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LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage



Customer :

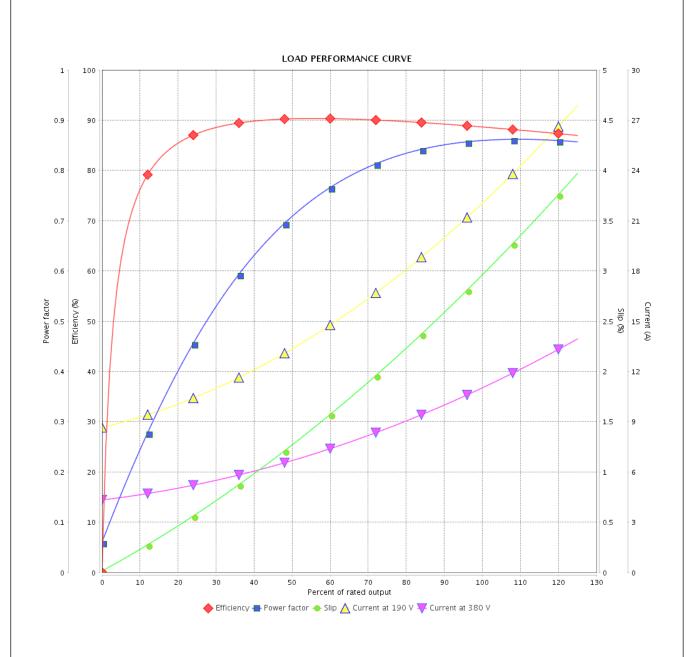
Product line : NEMA Premium Efficiency Three- Product code :

Phase

Catalog #: 00718ET3E213T-SG

12674985

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Performance	: 190/380 V 50 Hz 4P				
Rated current LRC Rated torque Locked rotor torque Breakdown torque Rated speed	: 22.0/11.0 A : 6.2 : 27.1 ft.lb : 190 % : 250 % : 1455 rpm	Moment of inertia (J) Duty cycle Insulation class Service factor Temperature rise Design		: 0.9380 sq.ft.l : Cont.(S1) : F : 1.00 : 105 K : B	b
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Three Phase Induction Motor - Squirrel Cage

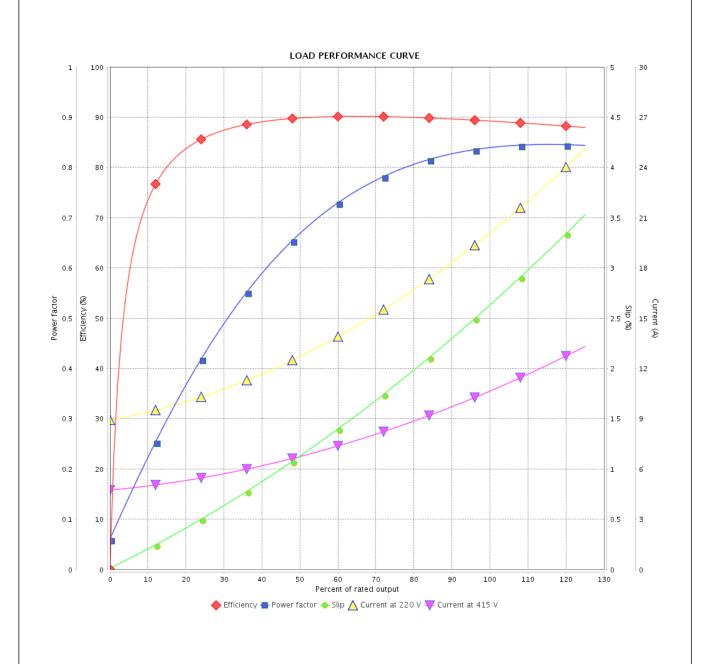


Customer

Product line : NEMA Premium Efficiency Three- Product code : 12674985

Phase

Catalog #: 00718ET3E213T-SG



Performance	::	220/415 V 50 Hz 4P				
Rated current	::	20.0/10.6 A	Moment o	f inertia (J)	: 0.9380 sq.ft.lb	
LRC	: (6.8	Duty cycle	}	: Cont.(S1)	
Rated torque	: :	27.0 ft.lb	Insulation	class	: F : 1.00	
Locked rotor torque	e ::	220 %	Service fa	ctor		
Breakdown torque	: :	: 280 % Tem		Temperature rise		
Rated speed	:	1460 rpm	Design		: B	
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Three Phase Induction Motor - Squirrel Cage

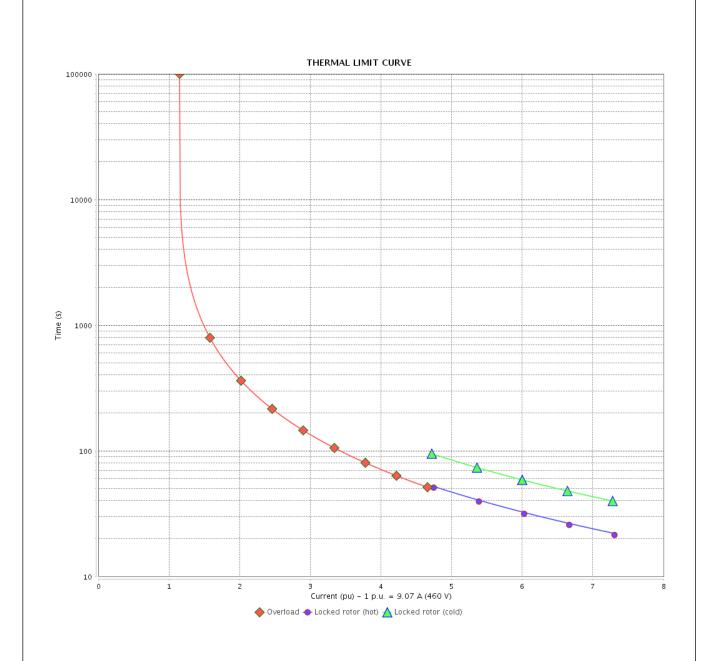


Customer	:				·	
Product line		NEMA Premium Efficiency	Three-	Product code :	12674985	
	Р	hase		Catalog # :	00718ET3E2	13T-SG
Performance	: 23	30/460 V 60 Hz 4P				
Rated current	: 18	8.1/9.07 A	Moment o	f inertia (J)	: 0.9380 sq.ft.l	b
LRC Rated torque	: 7. · 2:	.3 2.3 ft.lb	Duty cycle Insulation	e class	: Cont.(S1) : F	
Locked rotor torque	: 20	60 %	Service fa	ctor	: 1.15	
Breakdown torque Rated speed		00 % 770 rpm	Temperatu	ıre rise	: 80 K : B	
	. 1	ττο τριπ	Design		. U	
Heating constant Cooling constant						
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Three Phase Induction Motor - Squirrel Cage



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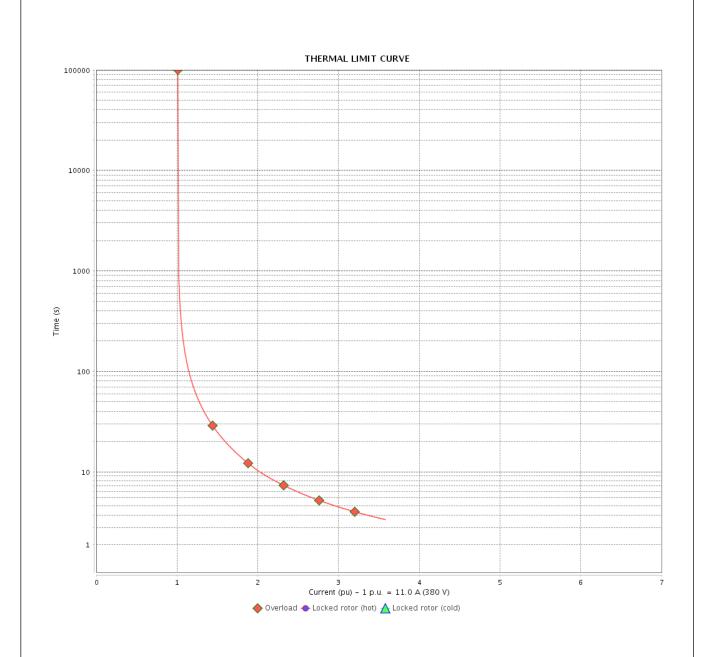


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Product line		NEMA Premium Efficiency Thase	Three-	Product code :	12674985	
	FI	liase	(Catalog # :	00718ET3E21	3T-SG
Performance		90/380 V 50 Hz 4P				
Rated current LRC Rated torque Locked rotor torq Breakdown torqu Rated speed	: 6. : 27 ue : 19 e : 28	2.0/11.0 A 2 7.1 ft.lb 90 % 50 % 455 rpm	Moment of Duty cycle Insulation Service fac Temperatu Design	class ctor	: 0.9380 sq.ft.lb : Cont.(S1) : F : 1.00 : 105 K : B	
		Г	- 2.3			
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

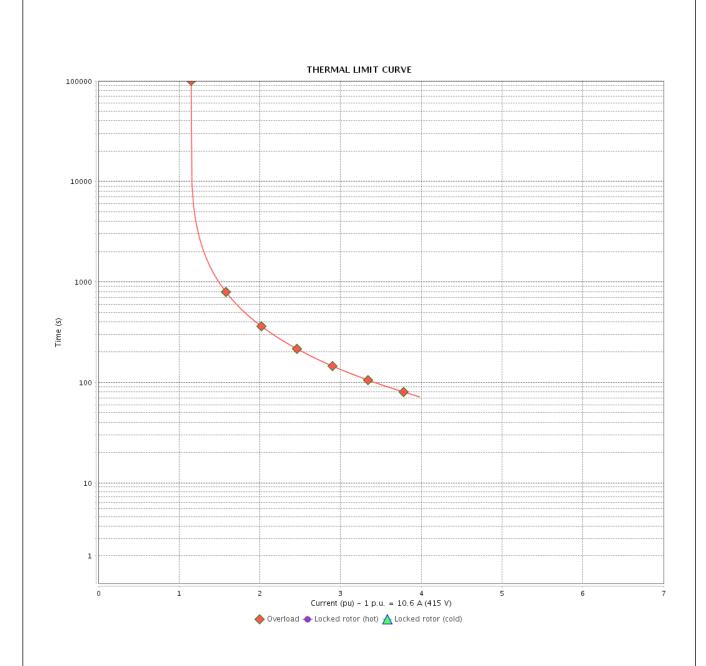


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Product line		NEMA Premium Efficiency	Three-	Product code :	12674985	
	Р	hase		Catalog # :	00718ET3E2	13T-SG
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Performance	. 2	20/415 V 50 Hz 4P				
Rated current		0.0/10.6 A	Moment o	f inertia (J)	: 0.9380 sq.ft.l	b
LRC	: 6.	.8	Duty cycle	;	: Cont.(S1)	
Rated torque Locked rotor torque		7.0 ft.lb 20 %	Insulation Service fa		: F : 1.00	
Breakdown torque	: 28	80 %	Temperatu		: 80 K	
Rated speed	: 14	460 rpm	Design		: B	
Heating constant						
Cooling constant		Changes Summers		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

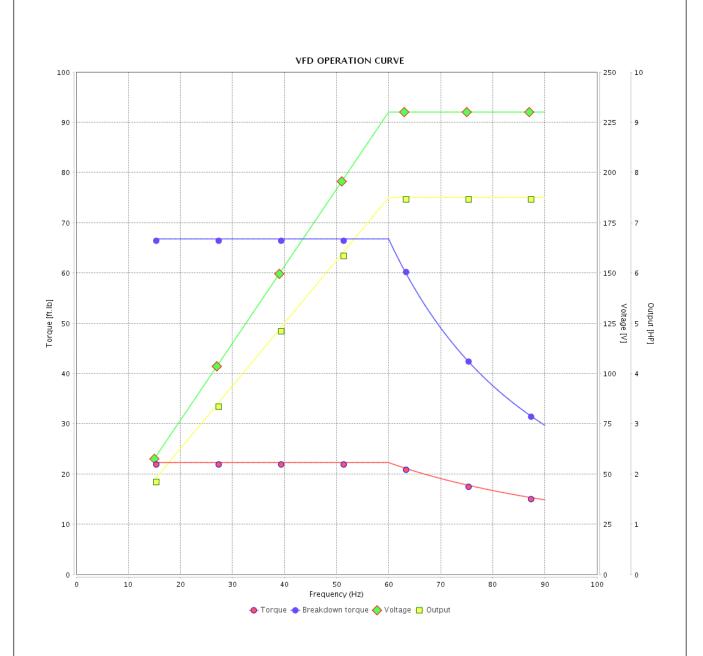


Customer :

Product line : NEMA Premium Efficiency Three- Product code : 12674985

Phase

Catalog #: 00718ET3E213T-SG



Performance	: 230/460 V 60 Hz 4P	: 230/460 V 60 Hz 4P						
Rated current LRC Rated torque Locked rotor torque Breakdown torque Rated speed	: 18.1/9.07 A : 7.3 : 22.3 ft.lb : 260 % : 300 % : 1770 rpm	Moment of inertia (J) Duty cycle Insulation class Service factor Temperature rise Design		: 0.9380 sq.ft.lb : Cont.(S1) : F : 1.15 : 80 K : B				
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VFD OPERATION CURVE

Three Phase Induction Motor - Squirrel Cage



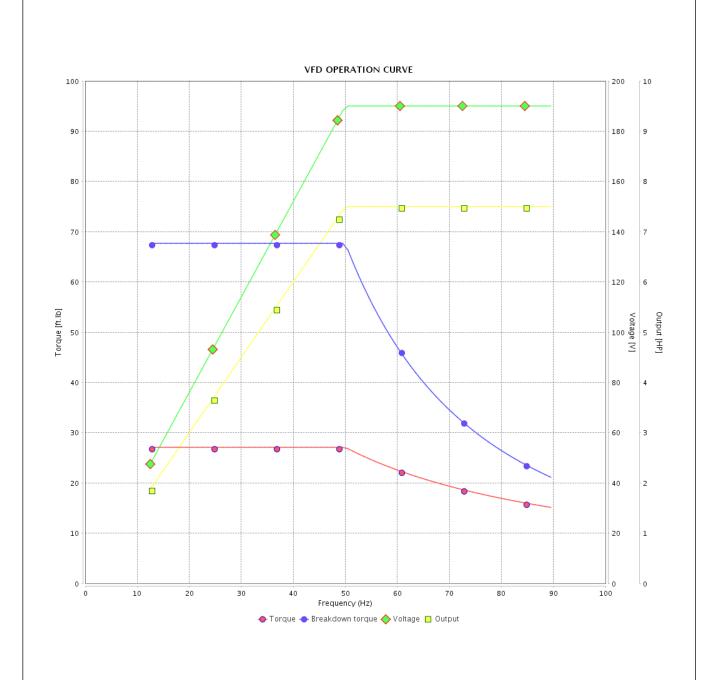
Customer

Product line : NEMA Premium Efficiency Three- Product code :

Phase

Catalog #: 00718ET3E213T-SG

12674985



Performance	• 1	90/380 V 50 Hz 4P					
		2.0/11.0 A				lh	
				Moment of inertia (J)		.ID	
LRC	: 6	.2	Duty cycle	Duty cycle			
Rated torque :		7.1 ft.lb	Insulation class		: F		
Locked rotor torqu	ue : 1	90 %	Service fa	Service factor			
•		50 %	Temperat	Temperature rise		: 105 K	
Rated speed		455 rpm	Design	Design			
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VFD OPERATION CURVE

Three Phase Induction Motor - Squirrel Cage



Customer :

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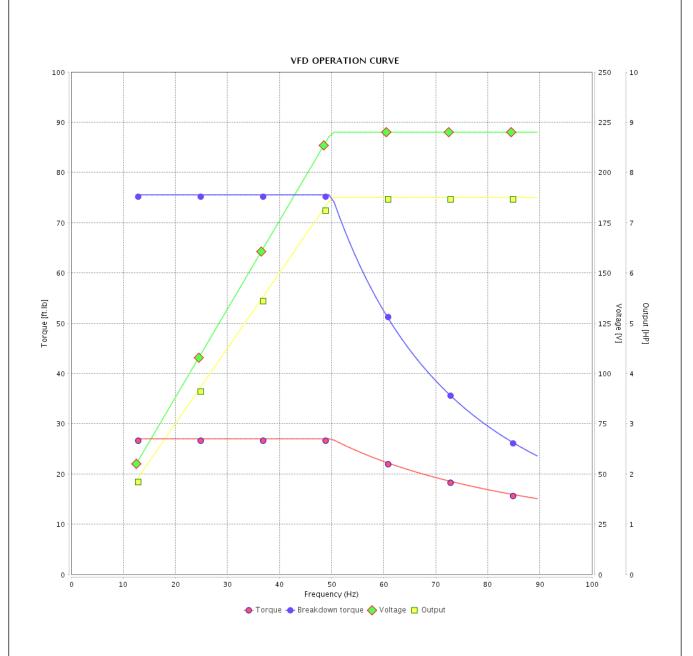
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Product line : NEMA Premium Efficiency Three- Product code : 12674985

Phase

Catalog #: 00718ET3E213T-SG

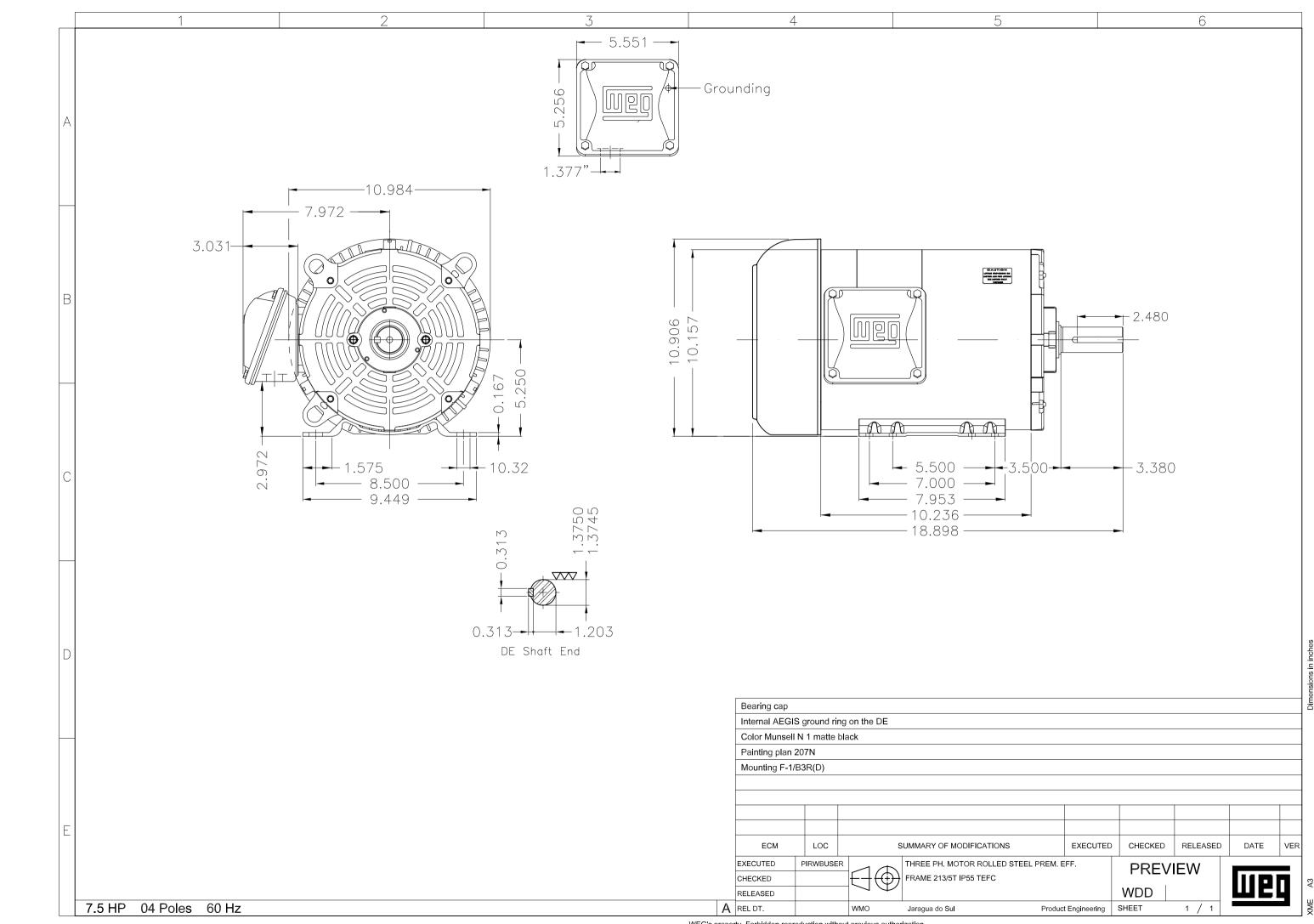


Performance	: 220/415 V 50 Hz 4P				
Rated current LRC Rated torque Locked rotor torque Breakdown torque Rated speed	: 20.0/10.6 A : 6.8 : 27.0 ft.lb : 220 % : 280 % : 1460 rpm	Moment of inertia (J) Duty cycle Insulation class Service factor Temperature rise Design		: 0.9380 sq.ft.lb : Cont.(S1) : F : 1.00 : 80 K : B	
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Revision







(**UL)**US LISTED 3PT9

Energy Verifi

&

12674985

MADE IN MÉXICO

MODEL 00718ET3E213T-SG Hz 60 S/N N01.TE0IC0X0N 5MAR2022

P55 CODE SH SABLE @ 208V 20.1A 1000 m.a.s.l F AT 80K 213/5T CONT TEFC 0

NS CL

18.1/9.07 230/460 20.8/10. 1.15

> 3FA 냃

NOM EFF 91.7% 1455RPM ZPM 쌆 50 Hz 7.5HP

IEC 60034-1

SF1.00

190-220/380-415V

EFF 88.6%

22.0-19.4/11.0-10.3A

ALTERNATE RATING:

SF1.00 INC. 2

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

ODE 6206-22

8208-ZZ

삠

T6

MOBIL POLYREX EM

T2-WHT T6-GRY

11-BLU

T4-YEL

r3-org

T5-BLK





NTERCHANGE ANY TWO LINE WIRES TO REVERSE THE ROTATION

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. WARNING: Motor must be grounded in accordance with local and national electrical codes to prevent serious electrical

T8-RED RED T7-PNK T9-BRK