DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : NEMA Premium Efficiency Three- Product code : 12630272

Phase

Catalog #: 01018OT3E215T-S

Frame : 213/5T Cooling method : IC01 - ODP
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
Altitude : 1000 m.a.s.l. Approx. weight³ : 122 lb

Altitude : 1000 m.a.s.l. Approx. weight³ : 122 lb
Design : B Moment of inertia (J) : 1.30 sq.ft.lb

200igi.		. 5	momont of mortia (o)		
Output [HP]		10	10	10	
Poles		4	4	4	
Frequency [Hz]		60	50	50	
Rated voltage [V]		230/460	190/380	220/415	
Rated current [A]		24.8/12.4	29.8/14.9	27.2/14.4	
L. R. Amperes [A]		174/86.8	191/95.4	193/102	
LRC [A]		7.0x(Code H)	6.4x(Code G)	7.1x(Code H)	
No load current [A	.]	12.0/5.99	11.8/5.89	12.2/6.45	
Rated speed [RPN	Л]	1770	1460	1465	
Slip [%]		1.67	2.67	2.33	
Rated torque [ft.lb]		29.7	36.0	35.8	
Locked rotor torque [%]		250	200	220	
Breakdown torque	: [%]	350	250	280	
Service factor		1.15	1.15	1.15	
Temperature rise		80 K	80 K	80 K	
Locked rotor time		25s (cold) 14s (hot)	0s (cold) 0s (hot)	0s (cold) 0s (hot)	
Noise level ²		59.0 dB(A)	56.0 dB(A)	56.0 dB(A)	
	25%	89.4	91.4	90.4	
Efficiency (%)	50%	90.2	90.1	89.6	
Efficiency (70)	75%	91.0	89.7	89.8	
	100%	91.7	88.1	88.7	
	25%	0.38	0.45	0.41	
Power Factor	50%	0.64	0.72	0.68	
I OWEI FACIOI	75%	0.77	0.82	0.80	
	100%	0.83	0.87	0.85	

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

Bearing type : 6208 ZZ 6206 ZZ Max. traction : 505 lb Sealing : Without Without Max. compression : 627 lb

Bearing Seal Bearing Seal

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

Notes

USABLE @208V 27.4A SF 1.00 SFA 27.4A

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.

(1)710 10070 0110	in load.				
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TORQUE AND CURRENT VS SPEED CURVE

Three Phase Induction Motor - Squirrel Cage



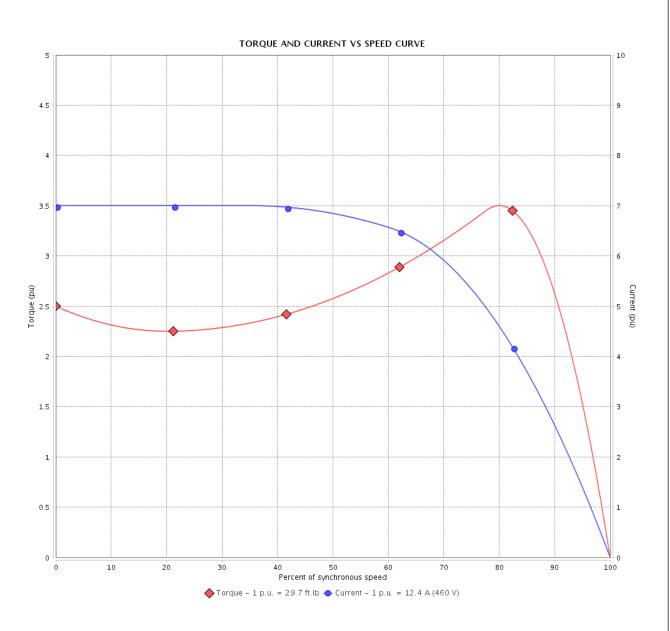
Customer :

Product line : NEMA Premium Efficiency Three-

Phase

Product code: 12630272

Catalog #: 01018OT3E215T-S



Performance : 230/460 V 60 Hz 4P Rated current : 24.8/12.4 A Moment of inertia (J) : 1.30 sq.ft.lb **LRC** : 7.0 Duty cycle : Cont.(S1) Insulation class Rated torque : 29.7 ft.lb : F Service factor Locked rotor torque : 250 % : 1.15 Breakdown torque : 350 % Temperature rise : 80 K Rated speed : 1770 rpm Design : B

Locked rotor time : 25s (cold) 14s (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: 12630272 Catalog #: 01018OT3E215T-S TORQUE AND CURRENT VS SPEED CURVE 2.7 2.1 1.8 Torque (pu) 1.2 0.6 0.3 Percent of synchronous speed ◆Torque - 1 p.u. = 36.0 ft.lb ◆ Current - 1 p.u. = 14.9 A (380 V) : 190/380 V 50 Hz 4P Performance Rated current : 29.8/14.9 A Moment of inertia (J) : 1.30 sq.ft.lb **LRC** : 6.4 Duty cycle : Cont.(S1) Rated torque : 36.0 ft.lb Insulation class : F . 200 % Service factor : 1.15 Locked rotor torque

Breakdown torque : 250 % Rated speed : 1460 rpm				: 80 K : B	
: 0:	s (cold) 0s (hot)	·			
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	e : 25 : 14 e : 09	e : 250 % : 1460 rpm e : 0s (cold) 0s (hot) Changes Sum	te : 250 % Temperatu : 1460 rpm Design e : 0s (cold) 0s (hot) Changes Summary	te : 250 % Temperature rise Design e : 0s (cold) 0s (hot) Changes Summary Performed	Temperature rise : 80 K Design : B e : 0s (cold) 0s (hot) Changes Summary Performed Checked

TORQUE AND CURRENT VS SPEED CURVE

Three Phase Induction Motor - Squirrel Cage



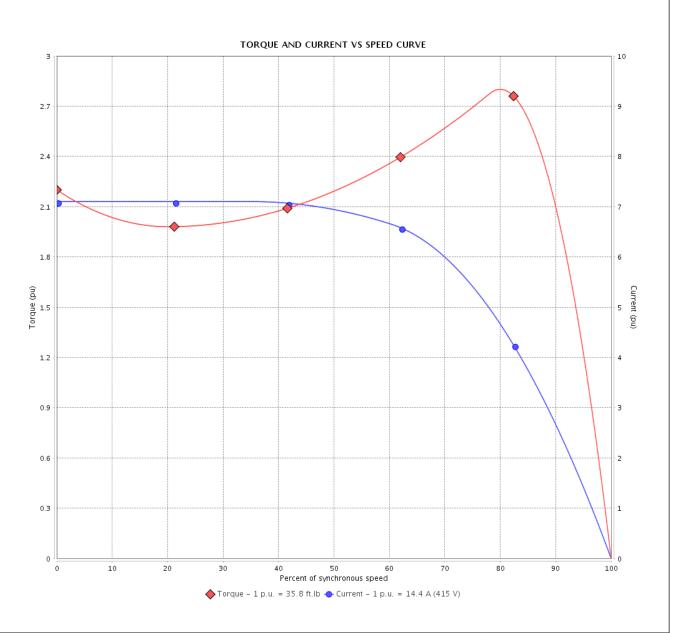
Customer :

Product line : NEMA Premium Efficiency Three-

Phase

Product code: 12630272

Catalog #: 01018OT3E215T-S



Performance : 220/415 V 50 Hz 4P Rated current : 27.2/14.4 A Moment of inertia (J) : 1.30 sq.ft.lb **LRC** : 7.1 Duty cycle : Cont.(S1) : 35.8 ft.lb Insulation class Rated torque : F Service factor Locked rotor torque : 220 % : 1.15 Breakdown torque : 280 % Temperature rise : 80 K Rated speed : 1465 rpm Design : B

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

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LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage



Customer

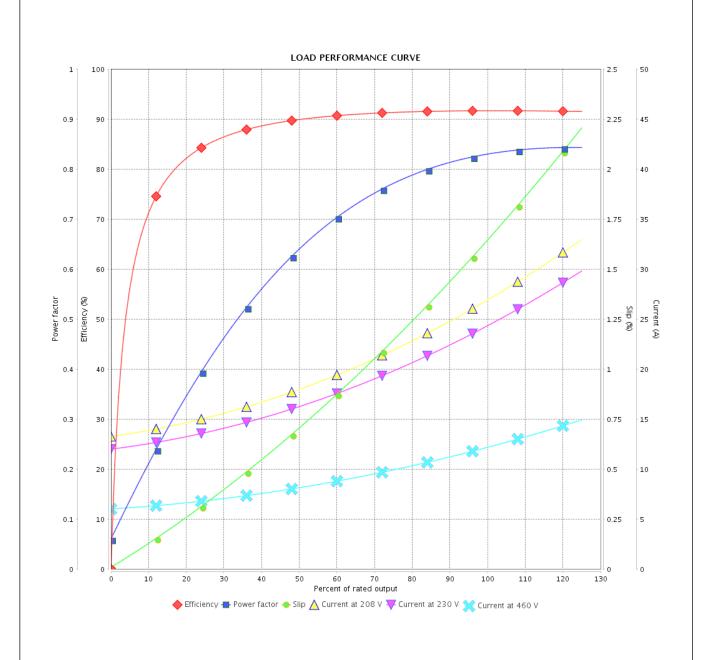
Date

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Product line : NEMA Premium Efficiency Three- Product code : 12630272

Phase

Catalog #: 01018OT3E215T-S



Performance	: 230/460 V 60 Hz 4P				
Rated current LRC Rated torque Locked rotor torque Breakdown torque Rated speed	: 24.8/12.4 A : 7.0 : 29.7 ft.lb : 250 % : 350 % : 1770 rpm	Moment o Duty cycle Insulation Service fa Temperatu Design	class ctor	: 1.30 sq.ft.lb : Cont.(S1) : F : 1.15 : 80 K : B	
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LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage

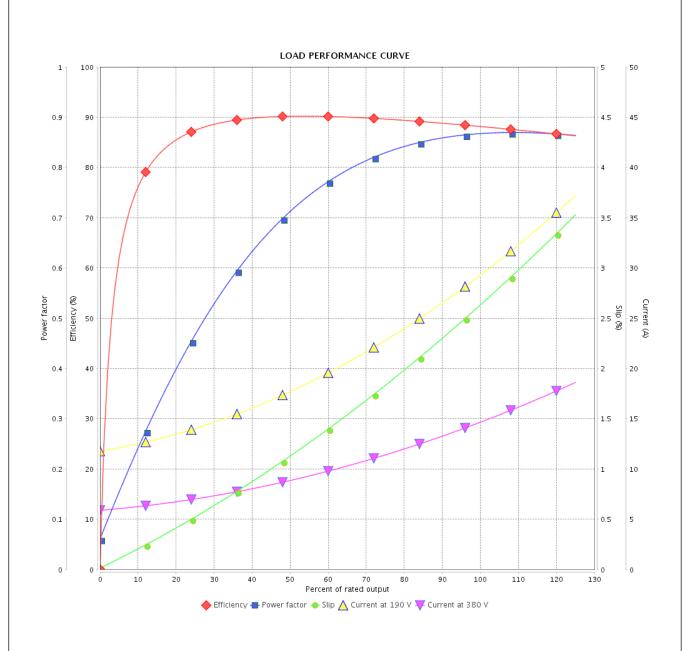


Customer :

Product line : NEMA Premium Efficiency Three- Product code : 12630272

Phase

Catalog #: 01018OT3E215T-S



Performance	rformance : 190/380 V 50 Hz 4P				
Rated current	ated current : 29.8/14.9 A		inertia (J)	: 1.30 sq.ft.lb	
LRC	: 6.4	Duty cycle	• •	: Cont.(S1)	
Rated torque	: 36.0 ft.lb	Insulation of	class	: F	
Locked rotor torque	: 200 %	Service fac	ctor	: 1.15	
Breakdown torque	: 250 %	6 Temperature rise		: 80 K	
Rated speed	: 1460 rpm	Design		: B	
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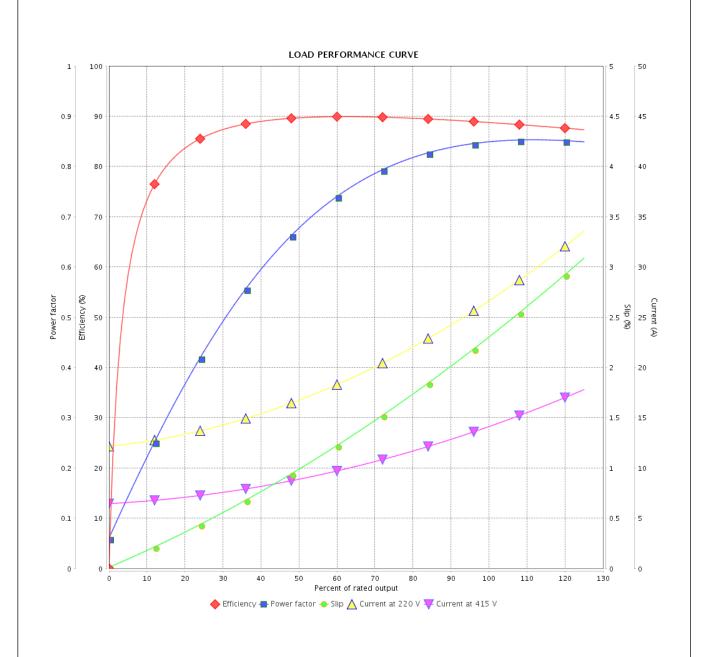
Date

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Product line : NEMA Premium Efficiency Three- Product code : 12630272

Phase

Catalog #: 01018OT3E215T-S



Performance : 220/415 V 50 Hz 4P : 27.2/14.4 A Rated current Moment of inertia (J) : 1.30 sq.ft.lb **LRC** : 7.1 Duty cycle : Cont.(S1) Insulation class : F Rated torque : 35.8 ft.lb Locked rotor torque : 220 % Service factor : 1.15 Breakdown torque : 280 % Temperature rise : 80 K Rated speed : 1465 rpm Design : B Rev. Performed Checked Date **Changes Summary** Performed by

Three Phase Induction Motor - Squirrel Cage

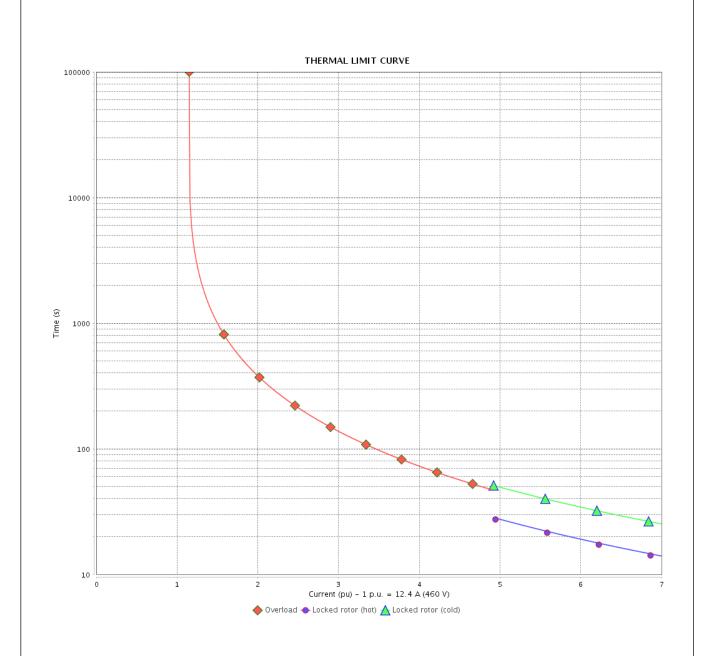


Customer	:					
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Product line		NEMA Premium Efficiency hase	Three-	Product code :	12630272	
	PI	nase	(Catalog # :	01018OT3E2	15T-S
Performance	: 23	30/460 V 60 Hz 4P				
Rated current LRC Rated torque Locked rotor torqu Breakdown torque Rated speed	: 2 ² : 7. : 29 e : 28	4.8/12.4 A	Moment or Duty cycle Insulation Service far Temperatu Design	class ctor	: 1.30 sq.ft.lb : Cont.(S1) : F : 1.15 : 80 K : B	
Heating constant						
Cooling constant						
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Three Phase Induction Motor - Squirrel Cage



Customer



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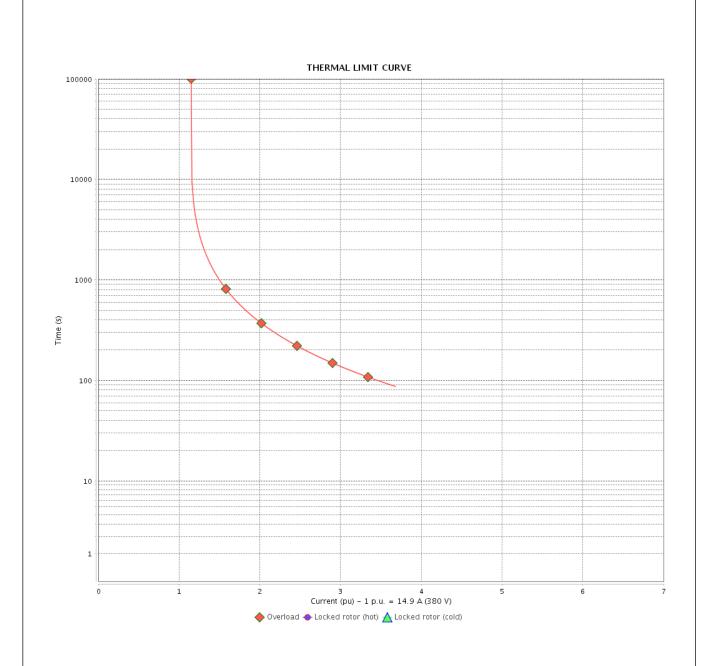


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Customer	:				
Product line	: NEMA Premium Efficiency Phase	Three-	Product code :	12630272	
	i ilase		Catalog # :	01018OT3E2	15T-S
Performance	: 190/380 V 50 Hz 4P	Messer	finantie (I)	. 4.00 = . 6.11	
Rated current LRC	: 29.8/14.9 A : 6.4	Moment o Duty cycle	f inertia (J)	: 1.30 sq.ft.lb : Cont.(S1)	
Rated torque	: 36.0 ft.lb	Insulation	class	: F	
Locked rotor torque	: 200 %	Service fa		: 1.15	
Breakdown torque Rated speed	: 250 % : 1460 rpm	Temperatu Design	ure rise	: 80 K : B	
Heating constant					
Cooling constant					
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Three Phase Induction Motor - Squirrel Cage



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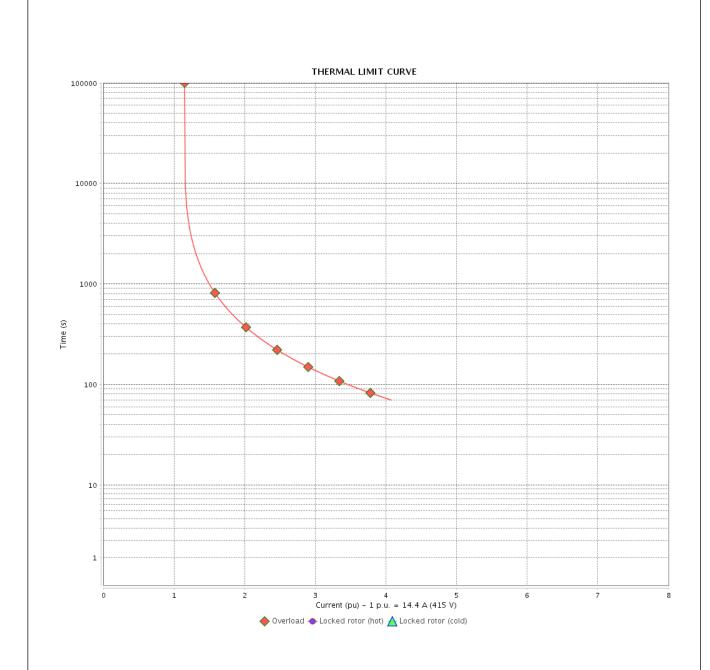


Customer		:				
Product line		: NEMA Premium Efficiency Phase	Three-	Product code :	12630272	
		Triade		Catalog # :	01018OT3E2 ²	15T-S
Performance	:	220/415 V 50 Hz 4P				
Rated current		27.2/14.4 A	Moment o	of inertia (J)	: 1.30 sq.ft.lb	
LRC Rated torque		7.1 35.8 ft.lb	Duty cycle Insulation		: Cont.(S1) : F	
Locked rotor tord	que :	220 %	Service fa	ictor	: 1.15	
Breakdown torqu Rated speed		280 % 1465 rpm	Temperati Design	ure rise	: 80 K : B	
		ιπου ιριιι	Design		. u	
Heating constant Cooling constant						
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Three Phase Induction Motor - Squirrel Cage



Customer



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VFD OPERATION CURVE

Three Phase Induction Motor - Squirrel Cage



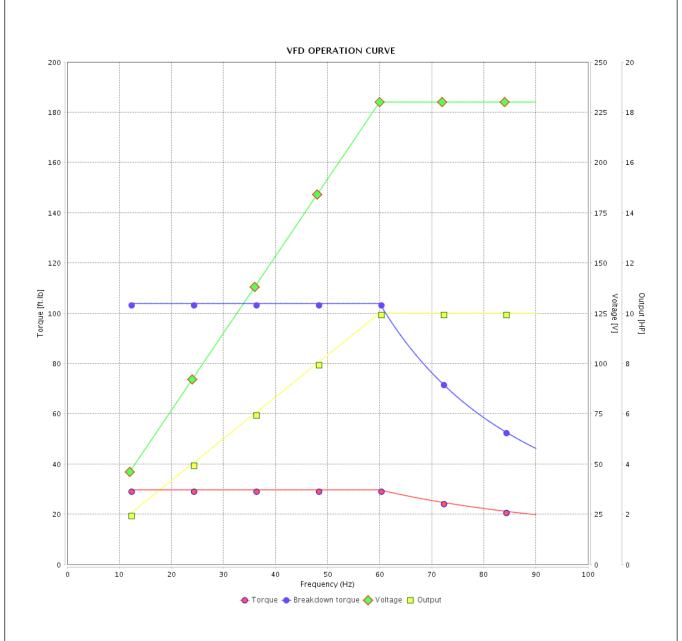
Customer :

Product line : NEMA Premium Efficiency Three-

Phase

Product code: 12630272

Catalog #: 01018OT3E215T-S



Performance	: 230/460 V 60 Hz 4P				
Rated current	: 24.8/12.4 A	Moment of inertia (J)		: 1.30 sq.ft.lb	
LRC	: 7.0	Duty cycle		: Cont.(S1)	
Rated torque	: 29.7 ft.lb	Insulation class Service factor		: F : 1.15	
Locked rotor torque	: 250 %				
Breakdown torque	: 350 %	Temperatu	ıre rise	: 80 K	
Rated speed	: 1770 rpm	Design		: B	
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VFD OPERATION CURVE

Three Phase Induction Motor - Squirrel Cage

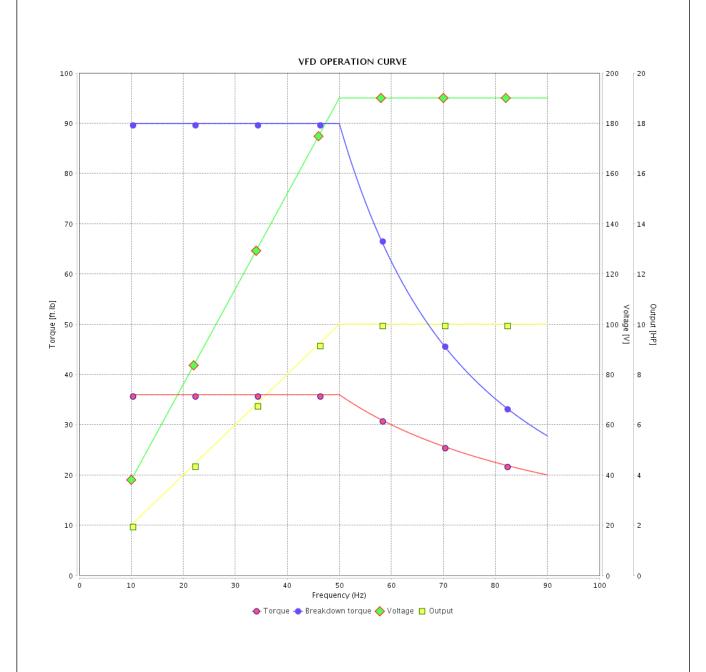


Customer

Product line : NEMA Premium Efficiency Three- Product code : 12630272

Phase

Catalog #: 01018OT3E215T-S



Performance	: 190/380 V 50 Hz 4P				
Rated current	: 29.8/14.9 A	Moment of inertia (J)		: 1.30 sq.ft.lb : Cont.(S1)	
LRC	: 6.4 Duty cycle		;		
Rated torque	: 36.0 ft.lb	00 % Service factor Temperature rise		: F	
Locked rotor torque	: 200 %			: 1.15	
Breakdown torque	: 250 %			: 80 K	
Rated speed	: 1460 rpm			: B	
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VFD OPERATION CURVE

Three Phase Induction Motor - Squirrel Cage



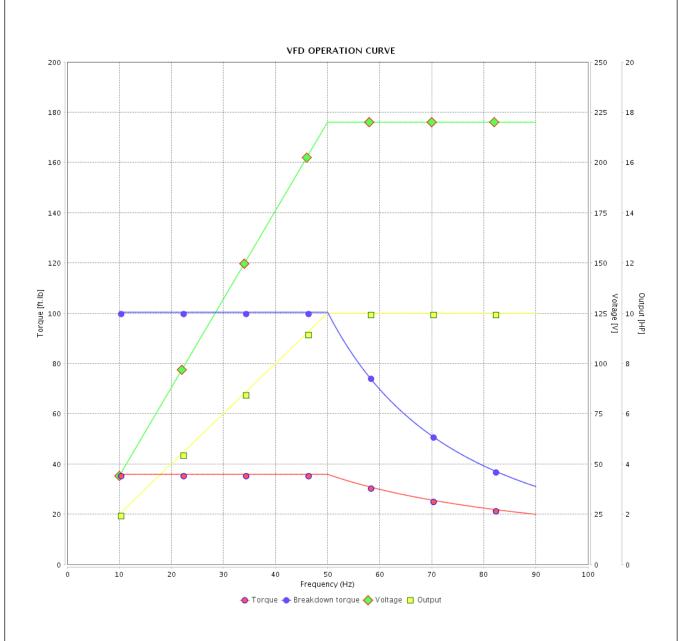
Customer :

Product line : NEMA Premium Efficiency Three-

Phase

Product code: 12630272

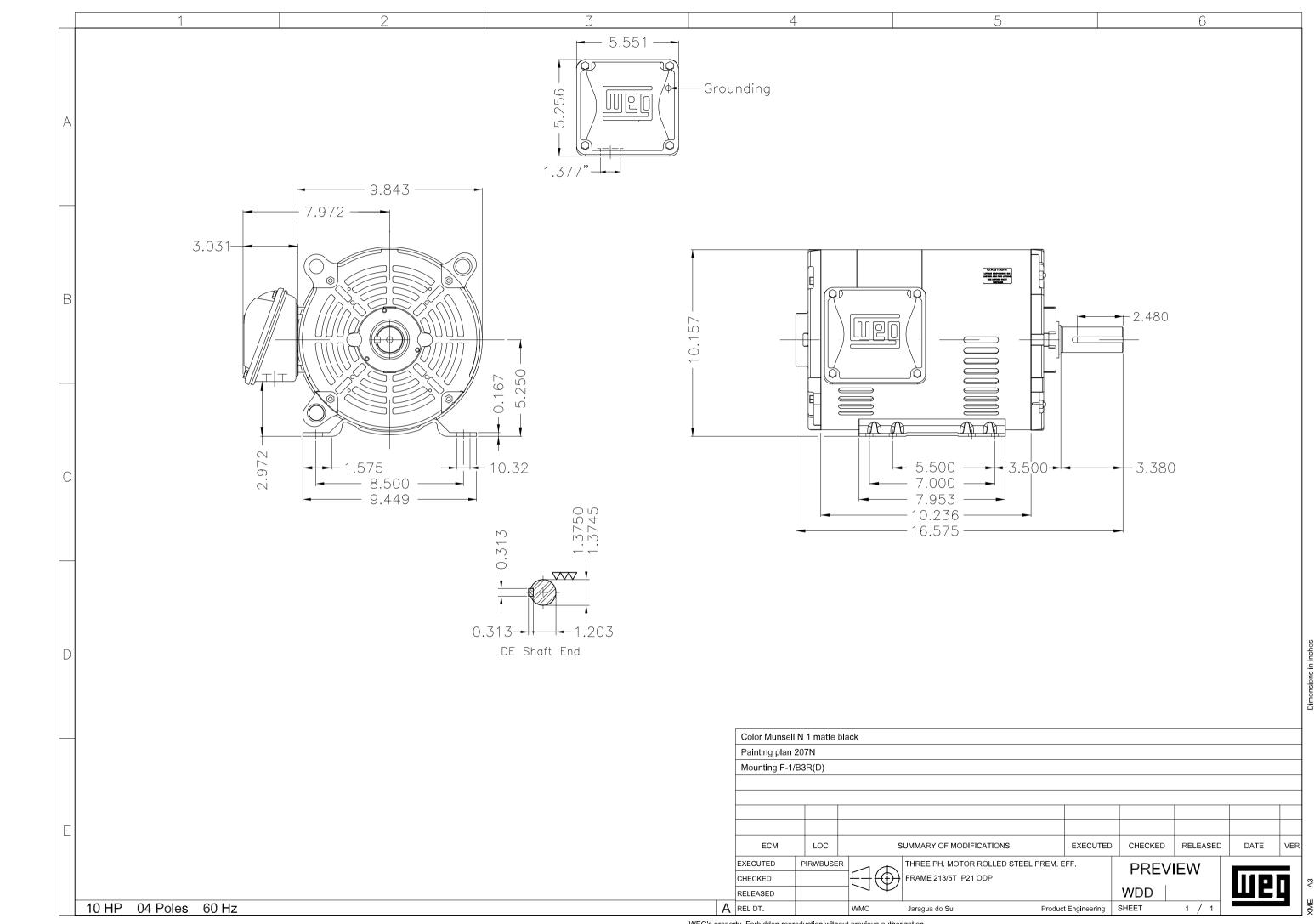
Catalog #: 01018OT3E215T-S



Performance	: 220/415 V 50 Hz 4P	: 220/415 V 50 Hz 4P					
Rated current	: 27.2/14.4 A	Moment of inertia (J)		: 1.30 sq.ft.lb			
LRC	: 7.1	Duty cycle		: Cont.(S1)			
Rated torque	: 35.8 ft.lb			: F			
Locked rotor torque	: 220 %			: 1.15			
Breakdown torque	: 280 %	Temperatu	Temperature rise				
Rated speed	: 1465 rpm	: 1465 rpm Design		: B			
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Energy Verifi

MODEL 010180T3E215T-S N01.TODICOXON 12630272 MADE IN MÉXICO

Hz 60 S/N 213/5T 8APR2022

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

230/460 1.15

> 3FA 냃

> > CODE DES SABLE @ 208V 27.4A

2°04 900

SCL

NOM EFF 91.7% ZPM 쌆 큐

Inverter duty motor For 80Hz use on VPWM 1000:1 VT. 5:1 CT 1460RPM 50 Hz

6206-ZZ

ODE

8208-ZZ

牌

29.8-26.4/14.9-14.0A

ALTERNATE RATING:

SF1.00 INC. 2

IEC 60034-1

SF1.15

190-220/380-415V

EFF 88.1%

MOBIL POLYREX EM

T6

T6-GRY

T5-BLK 1-BLU

T2-WHT

T4-YEL

r3-org



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

