### **DATA SHEET**

#### Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : NEMA Premium Efficiency Three- Product code : 14524241

Phase

Catalog #: 04036XT3E324TS

Frame : 324TS Cooling method : IC411 - TEFC

Insulation class : F Mounting : F-1

Duty cycle : Cont.(S1) Rotation<sup>1</sup> : Both (CW and CCW)

Ambient temperature : -20°C to +40°C Starting method : Direct On Line

Altitude : 1000 m.a.s.l. Approx. weight<sup>3</sup> : 618 lb

Protection degree : IP55 Moment of inertia (J) : 4.90 sq.ft lb

Protection degree		: IP55 Moment of I		of inertia (J) : 4.90 sq.ft.lb			
	: B						
Output [HP]		40	40	40			
	2	2	2	2			
	60	50	50	50			
	230/460	380	400	415			
	92.4/46.2	55.8	53.3	51.0			
	610/305	279	304	316			
	6.6x(Code G)	5.0x(Code E)	5.7x(Code F)	6.2x(Code G)			
LRC [A] No load current [A]		12.0	13.0	14.0			
Rated speed [RPM]		2940	2950	2955			
Slip [%]		2.00	1.67	1.50			
Rated torque [ft.lb]		71.4	71.2	71.1			
Locked rotor torque [%]		200	210	240			
Breakdown torque [%]		200	229	250			
		1.00	1.00	1.00			
	80 K	80 K	80 K	80 K			
	54s (cold) 30s (hot)	36s (cold) 20s (hot)	36s (cold) 20s (hot)	36s (cold) 20s (hot)			
	81.0 dB(A)	74.0 dB(A)	74.0 dB(A)	74.0 dB(A)			
25%	92.2	92.9	92.8	92.7			
50%	92.4	92.4	92.4	92.4			
75%	93.6	92.4	93.0	93.6			
100%	93.6	91.7	92.4	93.0			
				0.55			
50%	0.79	0.84	0.81	0.79			
	0.85	0.88	0.87	0.86			
100%	0.87	0.89	0.88	0.88			
	25% 50% 75% 100% 25%	: B  40 2 60 230/460 92.4/46.2 610/305 6.6x(Code G) 26.0/13.0 1] 3560 1.11 59.0 e [%] 250 [%] 260 1.15 80 K 54s (cold) 30s (hot) 81.0 dB(A) 25% 92.2 50% 92.4 75% 93.6 100% 93.6 25% 0.55 50% 0.79 75% 0.85	: B  40 40 40 2 2 2 60 50 380 92.4/46.2 55.8 610/305 279 6.6x(Code G) 5.0x(Code E) 26.0/13.0 12.0 13560 2940 1.11 2.00 59.0 71.4 e [%] 250 260 200 [%] 260 200 [%] 260 200 1.15 1.00 80 K 80 K 80 K 80 K 54s (cold) 30s (hot) 81.0 dB(A) 74.0 dB(A) 25% 92.2 92.9 50% 92.4 92.4 75% 93.6 91.7 25% 0.55 0.62 50% 0.79 0.88	## The color of th			

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

Bearing type : 6312 C3 6212 C3 Max. traction : 373 lb Sealing : Oil Seal Lip Seal Max. compression : 991 lb

12143 h

Lubricant amount : 21 g 13 g Lubricant type : Mobil Polyrex EM

9829 h

Notes

Lubrication interval

USABLE @208V 101A SF 1.15 SFA 116A

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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# DATA SHEET

### Three Phase Induction Motor - Squirrel Cage



Customer	
Customer	

#### Thermal protection

		•		
ID	Application	Туре	Quantity	Sensing Temperature
1	Winding	Thermostat - 2 wires	1 x Phase	155 °C

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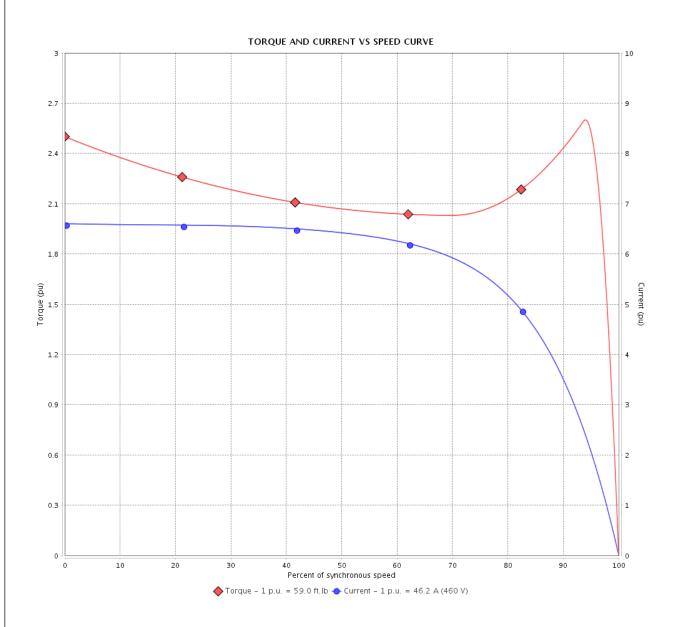
#### Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : NEMA Premium Efficiency Three- Product code : 14524241

hase Catalog # : 04036XT3E324TS



Performance	: 230/460 V 60 Hz 2P			
Rated current	: 92.4/46.2 A	Moment of inertia (J)	: 4.90 sq.ft.lb	
LRC	: 6.6	Duty cycle	: Cont.(S1)	
Rated torque	: 59.0 ft.lb	Insulation class	:F	
Locked rotor torque	: 250 %	Service factor	: 1.15	
Breakdown torque	: 260 %	Temperature rise	: 80 K	
Rated speed	: 3560 rpm	Design	: B	
Locked rotor time	: 54s (cold) 30s (hot)			

Locked rotor time : 54s (cold) 30s (hot)

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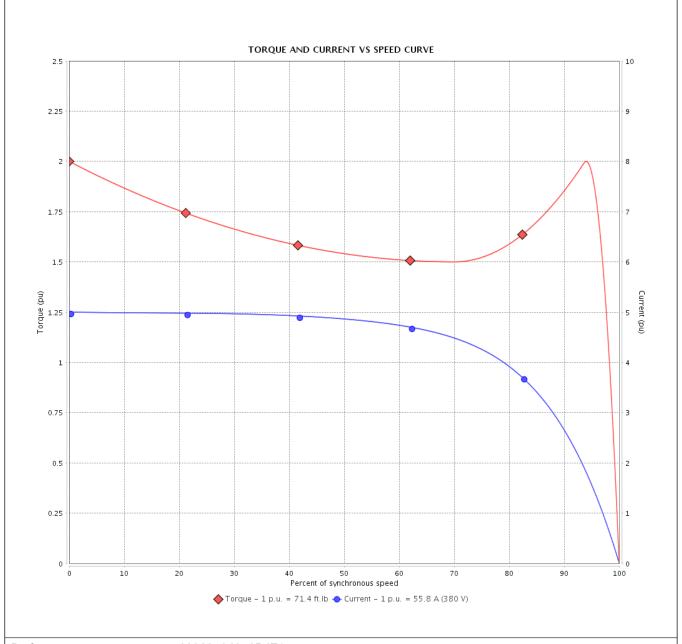
Customer :

Product line : NEMA Premium Efficiency Three- Product code :

Phase

Product code: 14524241

Catalog #: 04036XT3E324TS



Performance : 380 V 50 Hz 2P IE1 Rated current : 55.8 A Moment of inertia (J) : 4.90 sq.ft.lb **LRC** : 5.0 Duty cycle : Cont.(S1) : 71.4 ft.lb Insulation class Rated torque : F Service factor Locked rotor torque : 200 % : 1.00

Breakdown torque : 200 % Temperature rise : 80 K Rated speed : 2940 rpm Design : B

Locked rotor time : 36s (cold) 20s (hot)

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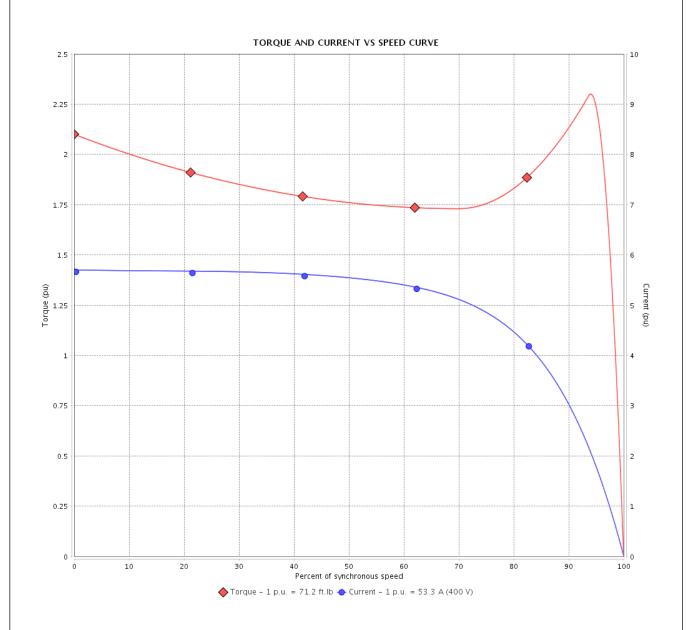


Customer :

Product line : NEMA Premium Efficiency Three- Product code : 14524241

Phase

Catalog #: 04036XT3E324TS



Performance	: 400 V 50 Hz 2P IE2			
Rated current	: 53.3 A	Moment of inertia (J)	: 4.90 sq.ft.lb	
LRC	: 5.7	Duty cycle	: Cont.(S1)	
Rated torque	: 71.2 ft.lb	Insulation class	:F ` ´	
Locked rotor torque	: 210 %	Service factor	: 1.00	
Breakdown torque	: 229 %	Temperature rise	: 80 K	
Rated speed	: 2950 rpm	Design	: B	
Locked rotor time	. 36s (cold) 20s (hot)			

Locked rotor time : 36s (cold) 20s (hot)

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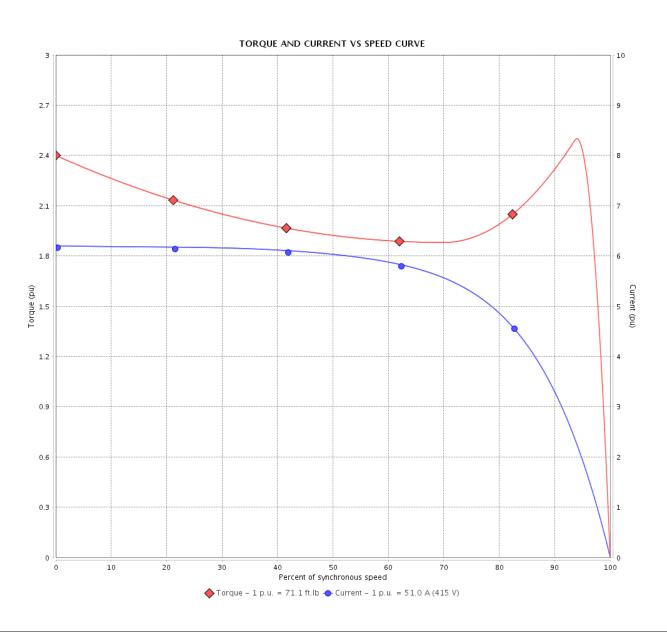
Customer :

Product line : NEMA Premium Efficiency Three- Product of

Phase

Product code: 14524241

Catalog #: 04036XT3E324TS



Performance : 415 V 50 Hz 2P IE2 Rated current : 51.0 A Moment of inertia (J) : 4.90 sq.ft.lb **LRC** : 6.2 Duty cycle : Cont.(S1) Insulation class Rated torque : 71.1 ft.lb : F Locked rotor torque : 240 % Service factor : 1.00 Breakdown torque : 250 % Temperature rise : 80 K Rated speed : 2955 rpm Design : B

Locked rotor time : 36s (cold) 20s (hot)

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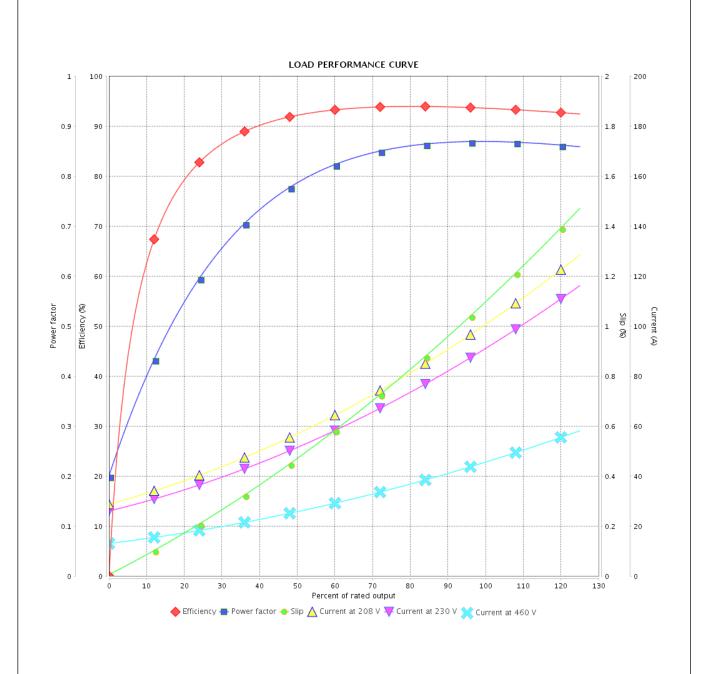


Customer

Product line : NEMA Premium Efficiency Three- Product code : 14524241

Phase

Catalog #: 04036XT3E324TS



Performance	:	230/460 V 60 Hz 2P				
Rated current	:	92.4/46.2 A	Moment o	f inertia (J)	: 4.90 sq.ft.lb	
LRC	:	6.6	Duty cycle	<b>;</b>	: Cont.(S1)	
Rated torque	:	59.0 ft.lb	Insulation	class	:F	
Locked rotor torque	:	250 %	Service fa	ctor	: 1.15	
Breakdown torque	:	260 %	Temperature rise		: 80 K	
Rated speed	:	3560 rpm	Design		: B	
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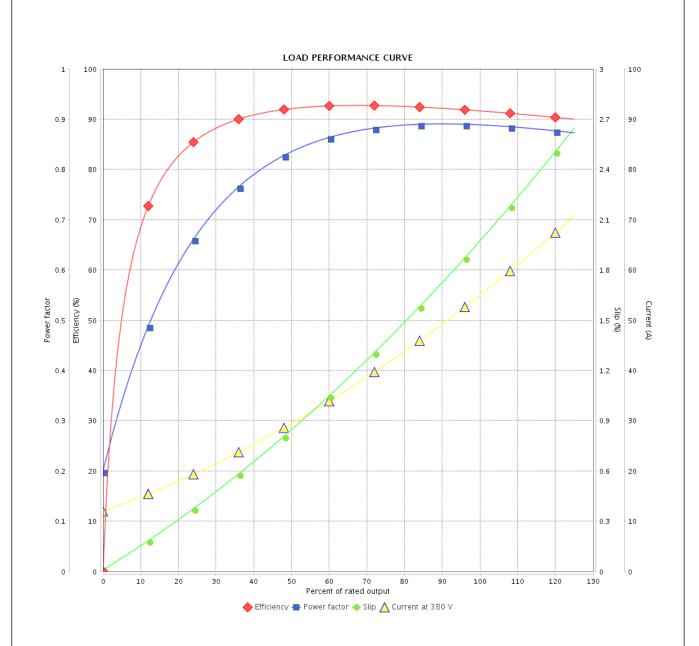
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Phase

Catalog #: 04036XT3E324TS

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Performance	ormance : 380 V 50 Hz 2P IE1					
Rated current LRC Rated torque Locked rotor torque Breakdown torque Rated speed	: 5.0 : 71 ue : 20 e : 20	5.8 A 0 .4 ft.lb 10 % 10 % 140 rpm	Moment of Duty cycle Insulation Service fa Temperatu Design	class ctor	: 4.90 sq.ft.lb : Cont.(S1) : F : 1.00 : 80 K : B	
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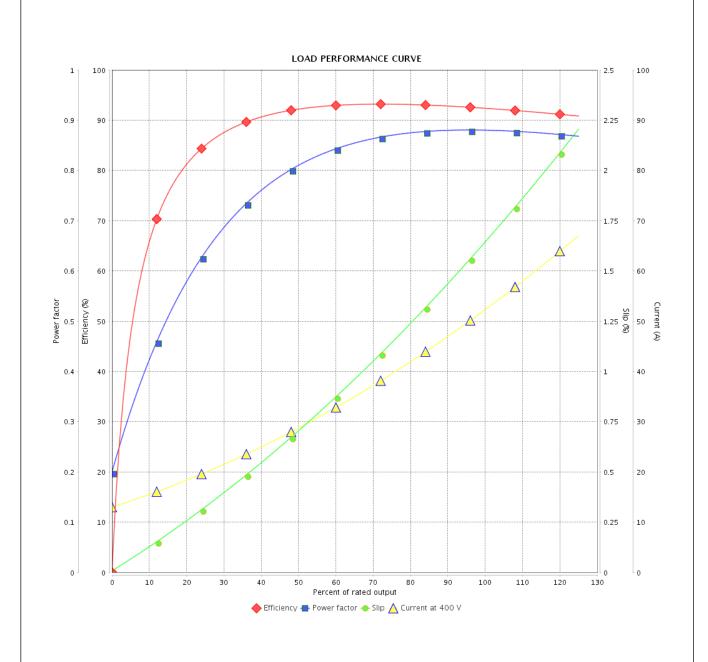
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Product line : NEMA Premium Efficiency Three- Product code : 14524241

Phase

Catalog #: 04036XT3E324TS



Performance	: 40	00 V 50 Hz 2P IE2				
Rated current LRC Rated torque Locked rotor tord Breakdown torqu Rated speed	: 5 : 7 que : 2 ue : 2	3.3 A .7 1.2 ft.lb 10 % 29 % 950 rpm	Moment of Duty cycle Insulation Service far Temperate Design	class ctor	: 4.90 sq.ft.lb : Cont.(S1) : F : 1.00 : 80 K : B	
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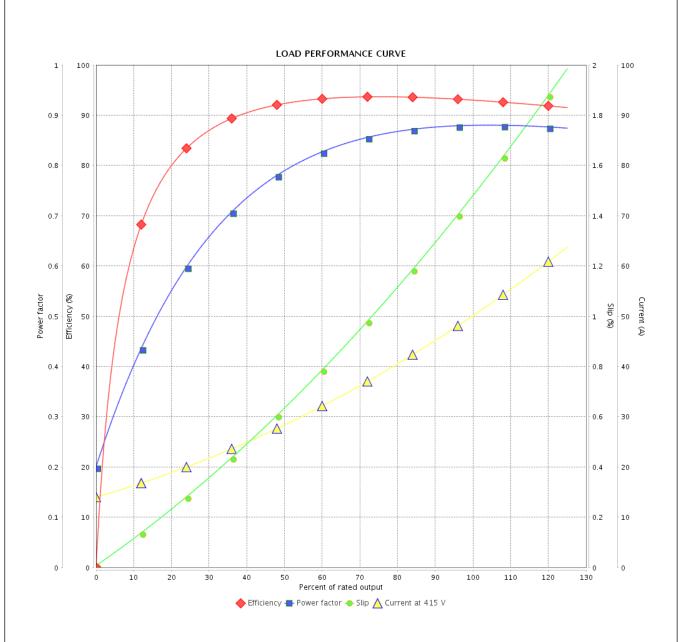
Customer :

Product line : NEMA Premium Efficiency Three- Product code :

Phase

Product code : 14524241

Catalog #: 04036XT3E324TS



Performance	ce : 415 V 50 Hz 2P IE2				
Rated current LRC	: 51.0 A : 6.2	Moment of inertia (J) Duty cycle Insulation class Service factor Temperature rise		: 4.90 sq.ft.lb : Cont.(S1)	
Rated torque Locked rotor torque Breakdown torque	: 71.1 ft.lb : 240 % : 250 %			: F : 1.00 : 80 K	
Rated speed	: 2955 rpm	Design		: B	
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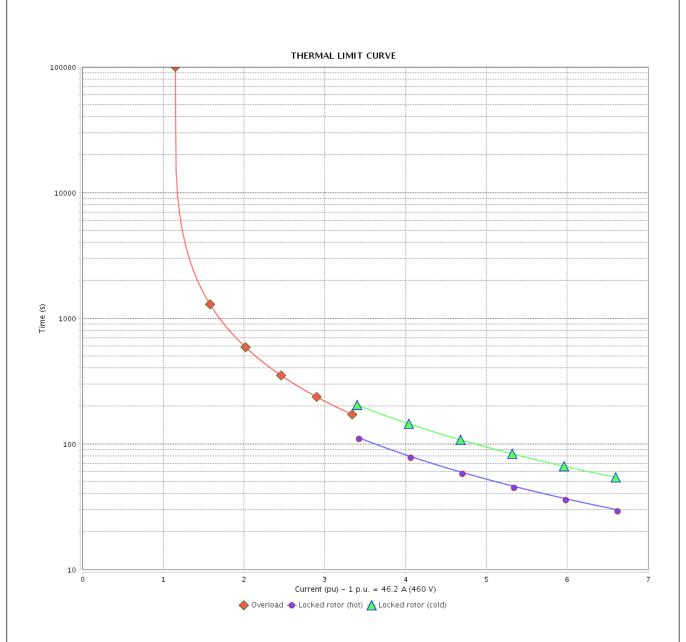


Customer	:					
Product line		NEMA Premium Efficiency hase		Product code : Catalog # :	14524241 04036XT3E3	324TS
Performance		30/460 V 60 Hz 2P	N4	- <b>f</b> : <b>4</b> : /   )	. 4.00 # !!-	
Rated current LRC	: 9 <i>i</i> : 6.	2.4/46.2 A 6	Duty cycle	of inertia (J) e	: 4.90 sq.ft.lb : Cont.(S1)	
Rated torque		9.0 ft.lb	Insulation	class	: F	
Locked rotor tord Breakdown tord		50 % 60 %	Service fa Temperat		: 1.15 : 80 K	
Rated speed		560 rpm	Design		: B	
Heating constan	t				,	
Cooling constant	<u> </u>				<u> </u>	
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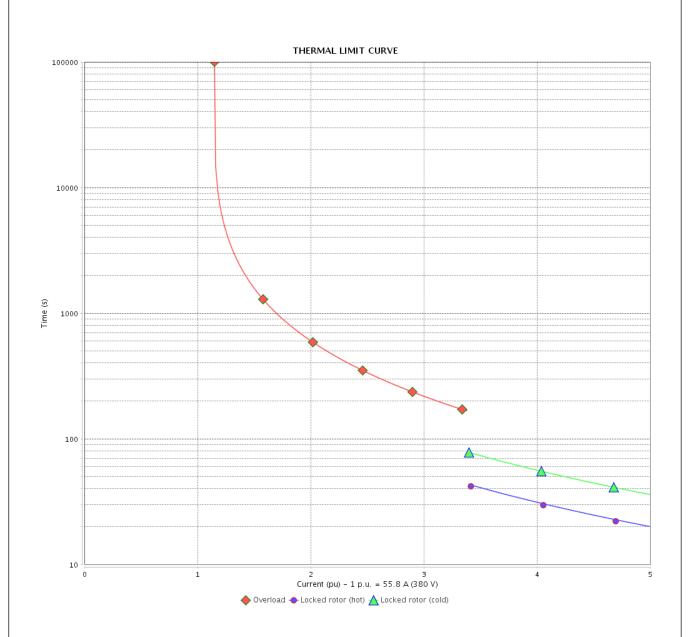


Product line		NEMA Premium Efficiency	Γhree-	Product code :	14524241	
	P	hase		Catalog # :	04036XT3E3	24TS
erformance tated current		30 V 50 Hz 2P IE1 5.8 A		f inertia (J)	: 4.90 sq.ft.lb : Cont.(S1)	
ated current RC ated torque ocked rotor tor reakdown torq	: 55 : 5. : 7' que : 20 ue : 20	5.8 A	Moment of Duty cycle Insulation Service fa Temperate Design	e class ctor	: 4.90 sq.ft.lb : Cont.(S1) : F : 1.00 : 80 K : B	
ated current RC ated torque ocked rotor tor reakdown torq ated speed eating constar	: 55 : 5. : 7 que : 20 ue : 20	5.8 A 0 1.4 ft.lb 00 % 00 %	Duty cycle Insulation Service fa Temperate	e class ctor	: Cont.(S1) : F : 1.00 : 80 K	
ated current RC ated torque ocked rotor tor reakdown torq ated speed	: 55 : 5. : 7 que : 20 ue : 20	5.8 A 0 1.4 ft.lb 00 % 00 %	Duty cycle Insulation Service fa Temperate	e class ctor	: Cont.(S1) : F : 1.00 : 80 K	Date
ated current RC ated torque ocked rotor tor reakdown torq ated speed eating constar ooling constan Rev.	: 55 : 5. : 7 que : 20 ue : 20	5.8 A 0 1.4 ft.lb 00 % 00 % 940 rpm	Duty cycle Insulation Service fa Temperate	class ctor ure rise	: Cont.(S1) : F : 1.00 : 80 K : B	Date
ated current RC ated torque ocked rotor tor reakdown torq ated speed eating constar ooling constar	: 55 : 5. : 7 que : 20 ue : 20	5.8 A 0 1.4 ft.lb 00 % 00 % 940 rpm	Duty cycle Insulation Service fa Temperate	class ctor ure rise	: Cont.(S1) : F : 1.00 : 80 K : B	Date

#### Three Phase Induction Motor - Squirrel Cage



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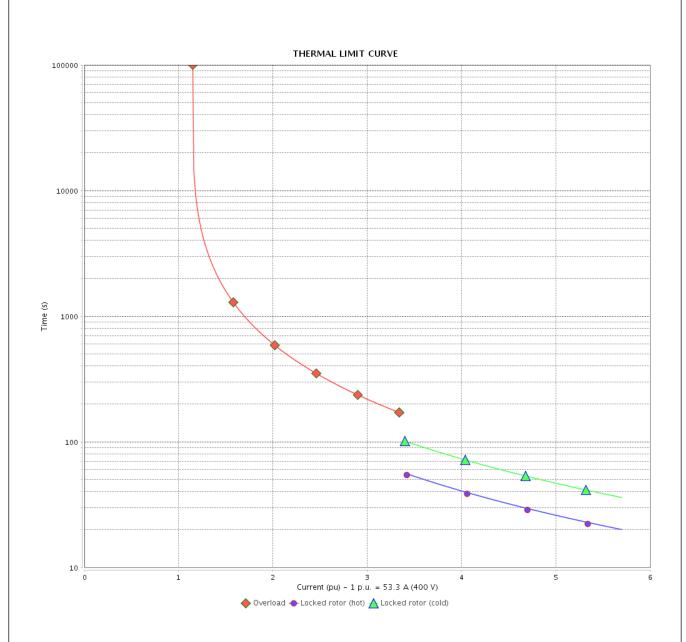


Product line	:1	NEMA Premium Efficiency T	Γhree-	Product code :	14524241	
	Р	hase		Catalog # :	04036XT3E3	24TS
Performance Rated current LRC Rated torque Locked rotor tor Breakdown toro Rated speed	: 53 : 5. : 7' rque : 2' que : 22 : 29	.7 1.2 ft.lb 10 % 29 %	Moment of Duty cycle Insulation Service fa Temperati Design	class actor	: 4.90 sq.ft.lb : Cont.(S1) : F : 1.00 : 80 K : B	
Rated current LRC Rated torque Locked rotor tor Breakdown torg Rated speed	: 50 : 5. : 7 rque : 2 : 20 : 29	3.3 A .7 1.2 ft.lb 10 % 29 %	Duty cycle Insulation Service fa Temperate	e class actor	: Cont.(S1) : F : 1.00 : 80 K	
Rated current IRC Rated torque Locked rotor tor Breakdown torg Rated speed Heating constar Cooling constar	: 50 : 5. : 7 rque : 2 : 20 : 29	3.3 A .7 1.2 ft.lb 10 % 29 % 950 rpm	Duty cycle Insulation Service fa Temperate	e class actor ure rise	: Cont.(S1) : F : 1.00 : 80 K : B	Date
Rated current LRC Rated torque Locked rotor tor Breakdown torg Rated speed	: 50 : 5. : 7 rque : 2 : 20 : 29	3.3 A .7 1.2 ft.lb 10 % 29 %	Duty cycle Insulation Service fa Temperate	e class actor	: Cont.(S1) : F : 1.00 : 80 K	Date
Rated current LRC Rated torque Locked rotor tor Breakdown torg Rated speed Heating constar Cooling constar Rev.	: 50 : 5. : 7 rque : 2 : 20 : 29	3.3 A .7 1.2 ft.lb 10 % 29 % 950 rpm	Duty cycle Insulation Service fa Temperate	e class actor ure rise	: Cont.(S1) : F : 1.00 : 80 K : B	Date
Rated current LRC Rated torque Locked rotor tor Breakdown torg Rated speed Heating constar Cooling constar	: 50 : 5. : 7 rque : 2 : 20 : 29	3.3 A .7 1.2 ft.lb 10 % 29 % 950 rpm	Duty cycle Insulation Service fa Temperate	e class actor ure rise	: Cont.(S1) : F : 1.00 : 80 K : B	Date

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Customer :



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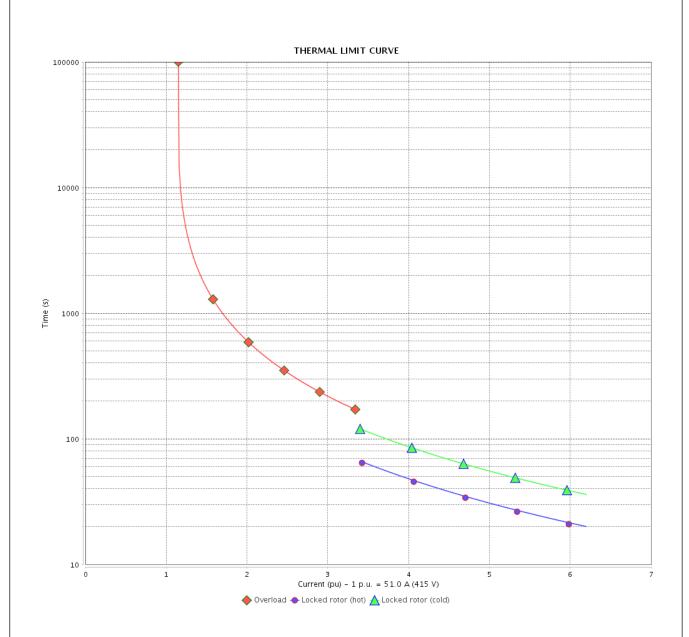


Customer	:					
Product line	<u>:</u>	NEMA Premium Efficiency	Three-	Product code :	14524241	
	P	hase		Catalog # :	04036XT3E3	24TS
Rated current LRC Rated torque Locked rotor tor Breakdown torq Rated speed	: 5 : 6 : 7 que : 2 ue : 2 : 2	15 V 50 Hz 2P IE2 1.0 A .2 1.1 ft.lb 40 % 50 % 955 rpm	Moment of Duty cycle Insulation Service fa Temperat Design	class actor	: 4.90 sq.ft.lb : Cont.(S1) : F : 1.00 : 80 K : B	
Performance Rated current LRC Rated torque Locked rotor torg Breakdown torq Rated speed Heating constan	: 5 : 6 : 7 que : 2 ue : 2 : 2	1.0 A .2 1.1 ft.lb 40 % 50 %	Duty cycle Insulation Service fa Temperat	e class actor	: Cont.(S1) : F : 1.00 : 80 K	
Rated current LRC Rated torque Locked rotor tor Breakdown torq Rated speed	: 5 : 6 : 7 que : 2 ue : 2 : 2	1.0 A .2 1.1 ft.lb 40 % 50 %	Duty cycle Insulation Service fa Temperat	e class actor	: Cont.(S1) : F : 1.00 : 80 K	Date
Rated current LRC Rated torque Locked rotor tor Breakdown torq Rated speed Heating constan Cooling constan	: 5 : 6 : 7 que : 2 ue : 2 : 2	1.0 A .2 1.1 ft.lb 40 % 50 % 955 rpm	Duty cycle Insulation Service fa Temperat	e class actor ure rise	: Cont.(S1) : F : 1.00 : 80 K : B	Date
Rated current LRC Rated torque Locked rotor tor Breakdown torq Rated speed Heating constan Cooling constan	: 5 : 6 : 7 que : 2 ue : 2 : 2	1.0 A .2 1.1 ft.lb 40 % 50 % 955 rpm	Duty cycle Insulation Service fa Temperat	e class actor ure rise	: Cont.(S1) : F : 1.00 : 80 K : B	Date
Rated current LRC Rated torque Locked rotor tor Breakdown torq Rated speed Heating constan Cooling constan Rev.	: 5 : 6 : 7 que : 2 ue : 2 : 2	1.0 A .2 1.1 ft.lb 40 % 50 % 955 rpm	Duty cycle Insulation Service fa Temperat	e class actor ure rise	: Cont.(S1) : F : 1.00 : 80 K : B	Date

### Three Phase Induction Motor - Squirrel Cage



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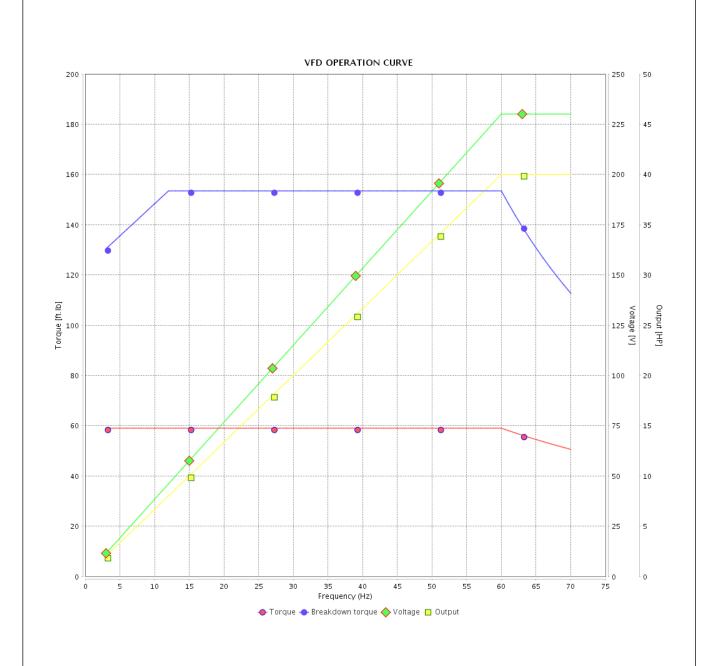


Customer

Product line : NEMA Premium Efficiency Three- Product code : 14524241

Phase

Catalog #: 04036XT3E324TS



Performance	: 230/460 V 60 Hz 2P				
Rated current LRC Rated torque Locked rotor torque Breakdown torque Rated speed	: 92.4/46.2 A : 6.6 : 59.0 ft.lb : 250 % : 260 % : 3560 rpm	Moment of Duty cycle Insulation c Service fact Temperatur Design	lass	: 4.90 sq.ft.lb : Cont.(S1) : F : 1.15 : 80 K : B	
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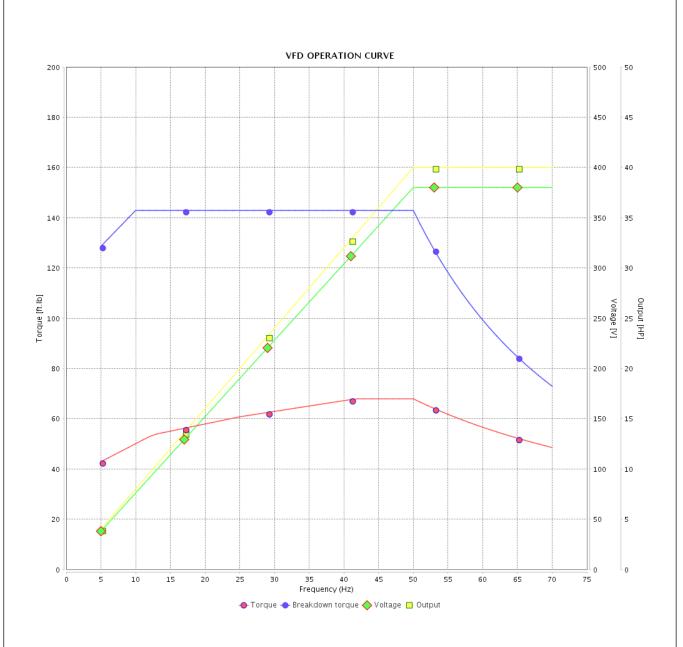
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Product line : NEMA Premium Efficiency Three-

Phase

Product code: 14524241

Catalog #: 04036XT3E324TS



Performance	: 3	80 V 50 Hz 2P IE1				
Rated current LRC Rated torque Locked rotor tord Breakdown torqu Rated speed	: 5 : 7 jue : 2	5.8 A 6.0 '1.4 ft.lb '00 % '00 % '940 rpm	Moment of Duty cycle Insulation Service fa Temperation	class ctor	: 4.90 sq.ft.lb : Cont.(S1) : F : 1.00 : 80 K : B	
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#### Three Phase Induction Motor - Squirrel Cage



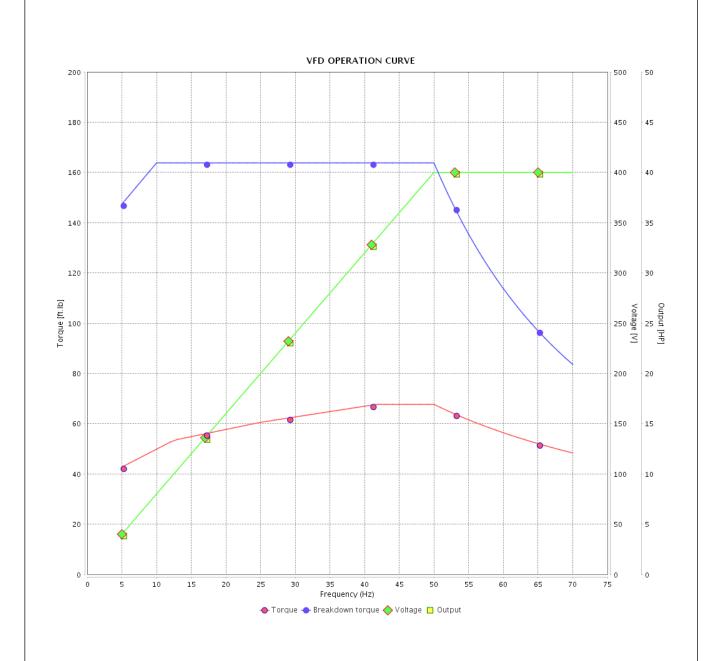
Customer

Product line : NEMA Premium Efficiency Three- Pro-

Phase

Product code: 14524241

Catalog #: 04036XT3E324TS



Performance		00 V 50 Hz 2P IE2					
Rated current	: 5	3.3 A	Moment of	Moment of inertia (J)			
LRC	: 5	5.7	Duty cycle	Duty cycle			
Rated torque	: 7	1.2 ft.lb	Insulation	Insulation class			
Locked rotor torqu	ue : 2	10 %	Service fa	Service factor		: 1.00	
Breakdown torque	e : 2	29 %	Temperat	Temperature rise		: 80 K	
Rated speed	: 2	950 rpm	m Design		: B		
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Date

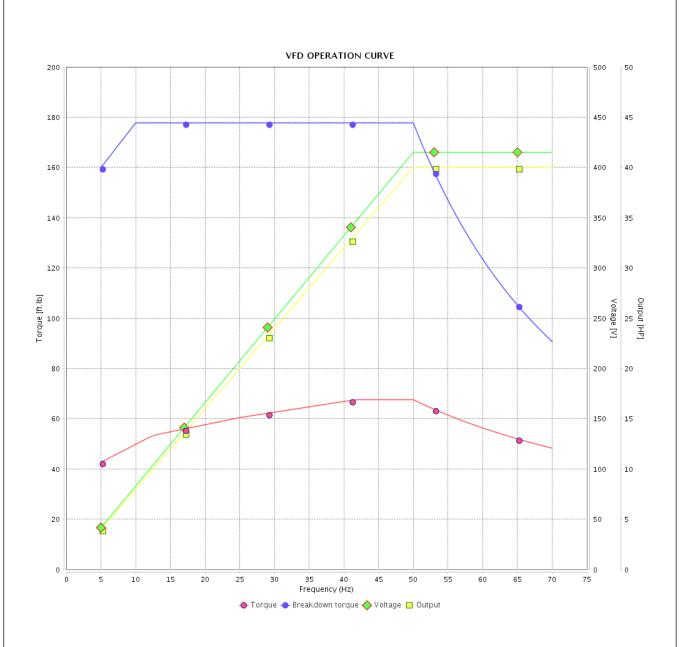
12/04/2022

Product line : NEMA Premium Efficiency Three-

Phase

Product code: 14524241

Catalog #: 04036XT3E324TS



Performance : 415 V 50 Hz 2P IE2 Rated current : 51.0 A Moment of inertia (J) : 4.90 sq.ft.lb **LRC** : 6.2 Duty cycle : Cont.(S1) : 71.1 ft.lb Insulation class : F Rated torque Locked rotor torque : 240 % Service factor : 1.00 Breakdown torque : 250 % Temperature rise : 80 K Rated speed : 2955 rpm Design : B Rev. Performed Checked Date **Changes Summary** Performed by

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