DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : W40 NEMA Premium Efficiency Product code :

Three-Phase

Catalog #: 40036OT3G447/9TS-W40

13593623

Frame : 447/9TS 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 : 2012 lb

	Protection degree	е	: IP23		Momei	nt of inertia (J)	: 3	9.1 sq.ft.lb	
	Design		: A						
(Output [HP]		400	350	350	350	400	400	400
F	Poles		2	2	2	2	2	2	2
F	Frequency [Hz]		60	50	50	50	50	50	50
F	Rated voltage [V]		460	380	400	415	380	400	415
F	Rated current [A]		442	458	440	429	533	510	497
	L. R. Amperes [A]		2873	2794	2992	3132	2825	3009	3181
L	LRC [A]		6.5x(Code	6.1x(Code F)	6.8x(Code	7.3x(Code H)	5.3x(Code E)	5.9x(Code F)	6.4x(Code
			G)		G)				G)
1	No load current [A]	100	95.0	108	118	95.0	108	118
F	Rated speed [RPN	1]	3565	2960	2965	2970	2955	2960	2965
5	Slip [%]		0.97	1.33	1.17	1.00	1.50	1.33	1.17
	Rated torque [ft.lb]		589	621	620	619	711	710	708
L	Locked rotor torqu	e [%]	170	160	170	180	140	150	160
E	Breakdown torque	[%]	250	229	250	270	200	220	240
5	Service factor		1.15	1.15	1.15	1.15	1.15	1.15	1.15
-	Temperature rise		80 K	80 K	80 K	80 K	80 K	80 K	80 K
L	Locked rotor time		25s (cold)	21s (cold)	21s (cold)	21s (cold)	21s (cold)	21s (cold)	21s (cold)
			14s (hot)	12s (hot)	12s (hot)	12s (hot)	12s (hot)	12s (hot)	12s (hot)
1	Noise level ²		87.0 dB(A)						
		25%	95.3	94.8	94.6	94.5	95.6	95.3	95.3
	Efficiency (%)	50%	95.4	95.2	95.0	94.9	95.4	95.4	95.4
	Lincicity (70)	75%	95.8	95.5	95.5	95.5	95.4	95.4	95.4
L		100%	95.8	95.8	95.8	95.8	95.0	95.4	95.4
ſ		25%	0.61	0.62	0.58	0.55	0.66	0.62	0.59
	Efficiency (%)	75% 100%	95.8 95.8	95.5 95.8	95.5 95.8	95.5 95.8	95.4 95.0	95.4 95.4	95.4 95.4

0.80

0.87

0.89

0.78

0.86

0.88

Bearing type : <u>Drive end</u> Non drive end Foundation loads

6314 C3 6314 C3 Max traction

0.83

0.88

0.89

Bearing type : 6314 C3 6314 C3 | Max. traction : 3527 lb Sealing : Without Without | Max. compression : 5538 lb

0.82

0.88

0.90

Bearing Seal Bearing Seal Lubrication interval : 14418 h 14418 h

Lubricant amount : 27 g 27 g Lubricant type : Mobil Polyrex EM

Notes

Power Factor

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.

50%

75%

100%

(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.

0.85

0.89

0.90

0.83

0.88

0.89

0.82

0.87

0.88

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Three Phase Induction Motor - Squirrel Cage



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Customer	
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Thermal protection

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

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Three Phase Induction Motor - Squirrel Cage Customer Product line : W40 NEMA Premium Efficiency Product code: 13593623 Three-Phase Catalog #: 40036OT3G447/9TS-W40 TORQUE AND CURRENT VS SPEED CURVE 2.7 2.1 Current Torque (pu) 1.2 0.6 0.3 Percent of synchronous speed ◆ Torque - 1 p.u. = 589 ft.lb ◆ Current - 1 p.u. = 442 A (460 V) Performance : 460 V 60 Hz 2P Rated current : 442 A Moment of inertia (J) : 39.1 sq.ft.lb **LRC** : 6.5 Duty cycle : Cont.(S1) : 589 ft.lb Insulation class Rated torque : F : 170 % Locked rotor torque Service factor : 1.15 Breakdown torque : 250 % Temperature rise : 80 K Rated speed : A : 3565 rpm Design Locked rotor time : 25s (cold) 14s (hot) Rev. Performed Checked Date **Changes Summary**

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Three Phase Induction Motor - Squirrel Cage

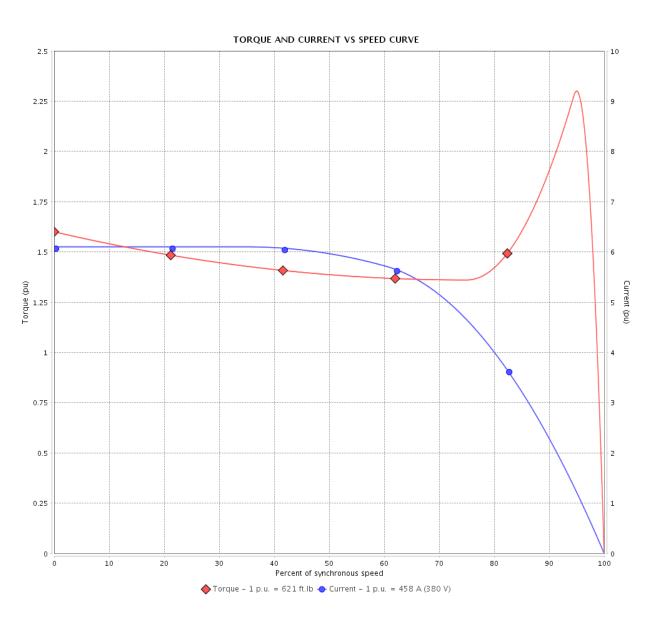


Customer :

Product line : W40 NEMA Premium Efficiency Product code : 13593623

Three-Phase

Catalog #: 40036OT3G447/9TS-W40



Performance	: 380 V 50 Hz 2P IE3			
Rated current	: 458 A	Moment of inertia (J)	: 39.1 sq.ft.lb	
LRC	: 6.1	Duty cycle	: Cont.(S1)	
Rated torque	: 621 ft.lb	Insulation class	: F	
Locked rotor torque	: 160 %	Service factor	: 1.15	
Breakdown torque	: 229 %	Temperature rise	: 80 K	
Rated speed	: 2960 rpm	Design	: A	
Locked rotor time	: 21s (cold) 12s (hot)			

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Three Phase Induction Motor - Squirrel Cage Customer Product line : W40 NEMA Premium Efficiency Product code: 13593623 Three-Phase Catalog #: 40036OT3G447/9TS-W40 TORQUE AND CURRENT VS SPEED CURVE 2.7 2.1 1.8 Current Torque (pu) 1.2 0.6 0.3 Percent of synchronous speed ◆ Torque - 1 p.u. = 620 ft.lb ◆ Current - 1 p.u. = 440 A (400 V) Performance : 400 V 50 Hz 2P IE3 Rated current : 440 A Moment of inertia (J) : 39.1 sq.ft.lb **LRC** : 6.8 Duty cycle : Cont.(S1) : 620 ft.lb Insulation class Rated torque : F Locked rotor torque : 170 % Service factor : 1.15 Breakdown torque : 250 % Temperature rise : 80 K Rated speed : A : 2965 rpm Design Locked rotor time : 21s (cold) 12s (hot) Date Rev. Performed Checked **Changes Summary** Performed by

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Three Phase Induction Motor - Squirrel Cage



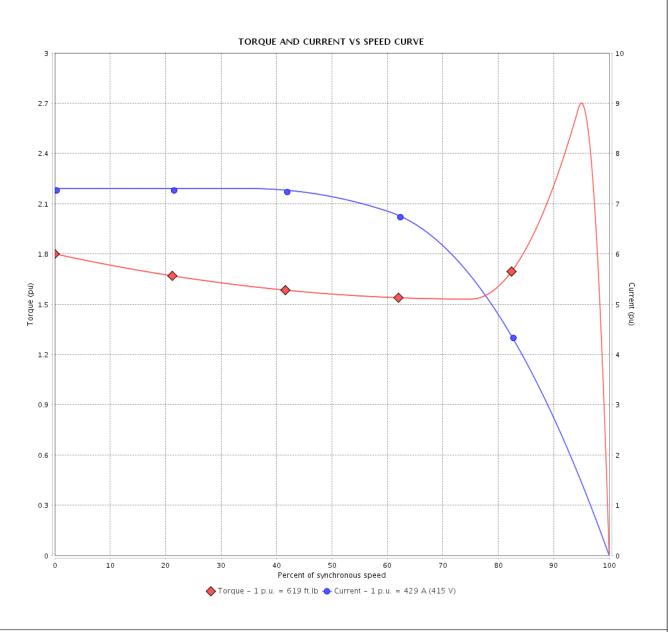
Customer :

Product line : W40 NEMA Premium Efficiency

Three-Phase

Product code: 13593623

Catalog # : 40036OT3G447/9TS-W40



Performance	: 415 V 50 Hz 2P IE3			
Rated current	: 429 A	Moment of inertia (J)	: 39.1 sq.ft.lb	
LRC	: 7.3	Duty cycle	: Cont.(S1)	
Rated torque	: 619 ft.lb	Insulation class	: F	
Locked rotor torque	: 180 %	Service factor	: 1.15	
Breakdown torque	: 270 %	Temperature rise	: 80 K	
Rated speed	: 2970 rpm	Design	: A	
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Locked rotor time : 21s (cold) 12s (hot)

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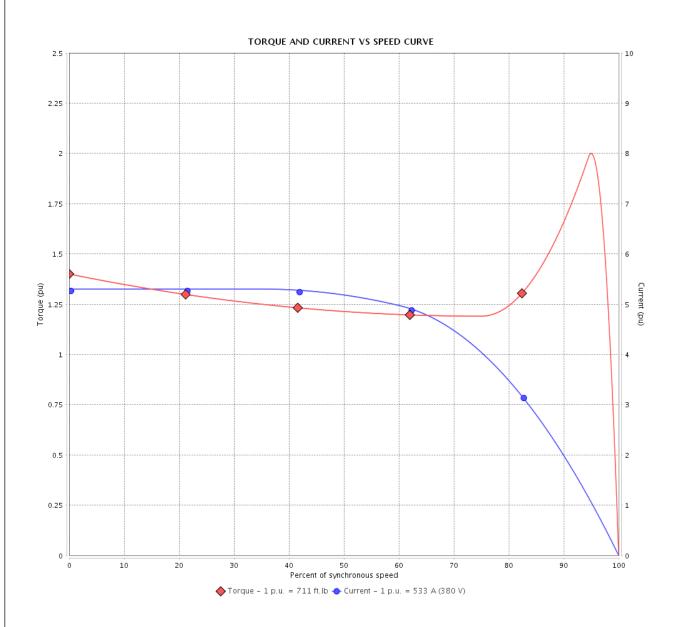


Customer :

Product line : W40 NEMA Premium Efficiency Product code : 13593623

Three-Phase

Catalog #: 40036OT3G447/9TS-W40



Performance	: 380 V 50 Hz 2P IE2			
Rated current	: 533 A	Moment of inertia (J)	: 39.1 sq.ft.lb	
LRC	: 5.3	Duty cycle	: Cont.(S1)	
Rated torque	: 711 ft.lb	Insulation class	:F	
Locked rotor torque	: 140 %	Service factor	: 1.15	
Breakdown torque	: 200 %	Temperature rise	: 80 K	
Rated speed	: 2955 rpm	Design	: A	

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

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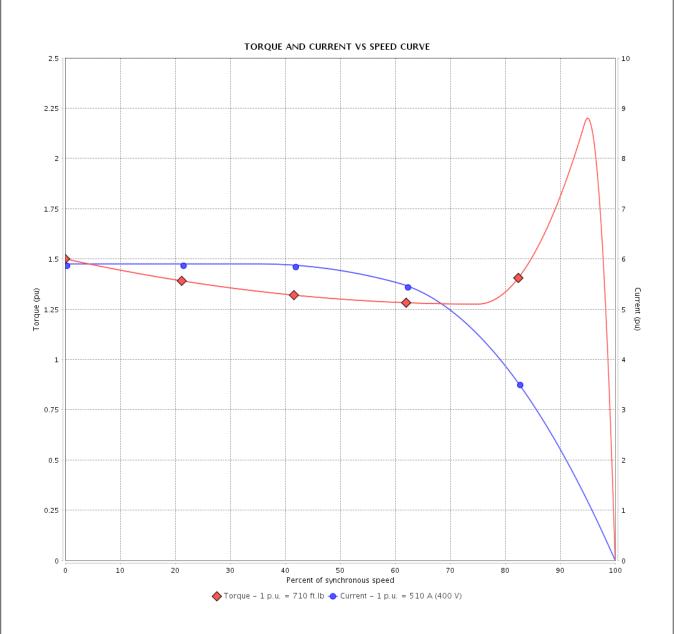
Customer :

Product line : W40 NEMA Premium Efficiency Product code :

Three-Phase

Product code: 13593623

Catalog #: 40036OT3G447/9TS-W40



Performance	: 400 V 50 Hz 2P IE2		
Rated current	: 510 A	Moment of inertia (J)	: 39.1 sq.ft.lb
LRC	: 5.9	Duty cycle	: Cont.(S1)
Rated torque	: 710 ft.lb	Insulation class	: F
Locked rotor torque	: 150 %	Service factor	: 1.15
Breakdown torque	: 220 %	Temperature rise	: 80 K
Rated speed	: 2960 rpm	Design	: A
Locked rotor time	: 21s (cold) 12s (hot)		

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

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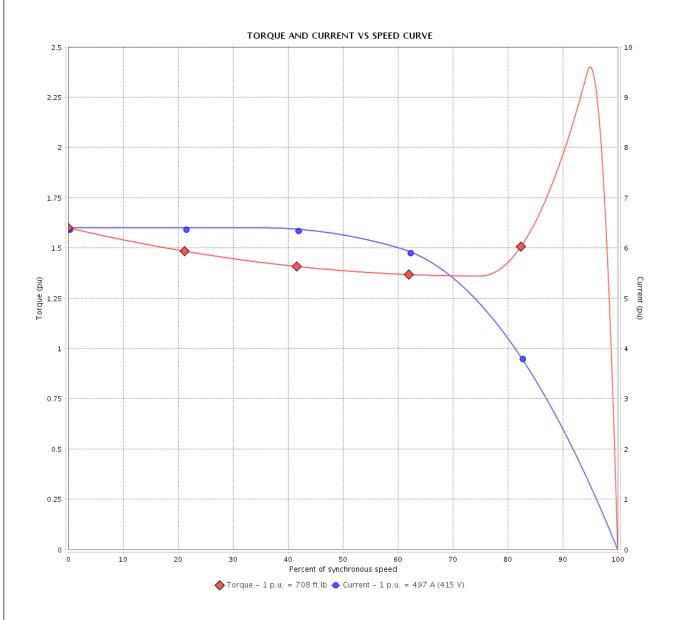
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Product line : W40 NEMA Premium Efficiency Product code :

Three-Phase

roduct code: 13593623

Catalog #: 40036OT3G447/9TS-W40



Performance	: 415 V 50 Hz 2P IE2			
Rated current	: 497 A	Moment of inertia (J)	: 39.1 sq.ft.lb	
LRC	: 6.4	Duty cycle	: Cont.(S1)	
Rated torque	: 708 ft.lb	Insulation class	: F	
Locked rotor torque	: 160 %	Service factor	: 1.15	
Breakdown torque	: 240 %	Temperature rise	: 80 K	
Rated speed	: 2965 rpm	Design	: A	
Locked rotor time	: 21s (cold) 12s (hot)	· ·		

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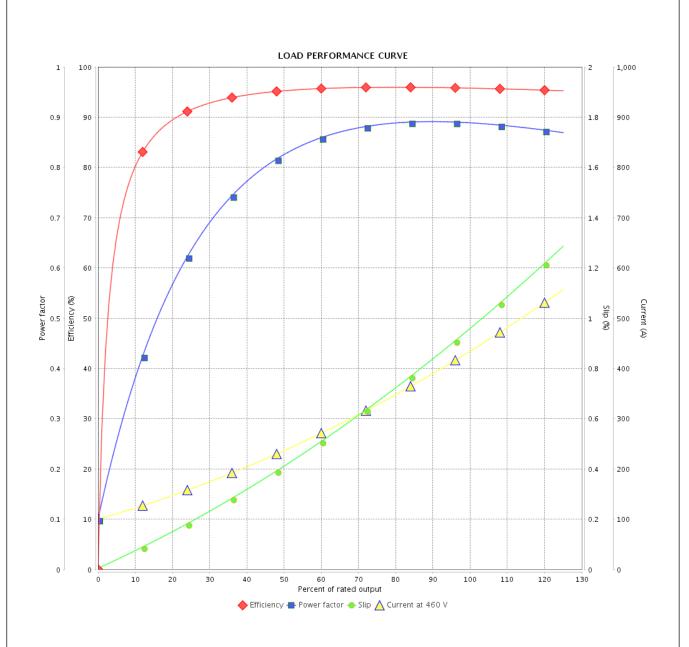
Product line : W40 NEMA Premium Efficiency

Three-Phase

Product code: 13593623

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Performance	: 460 V 60 Hz 2P				
Rated current LRC Rated torque Locked rotor torque Breakdown torque Rated speed	: 442 A : 6.5 : 589 ft.lb : 170 % : 250 % : 3565 rpm	Moment of Duty cycle Insulation Service fa Temperatu Design	class ctor	: 39.1 sq.ft.lb : Cont.(S1) : F : 1.15 : 80 K : A	
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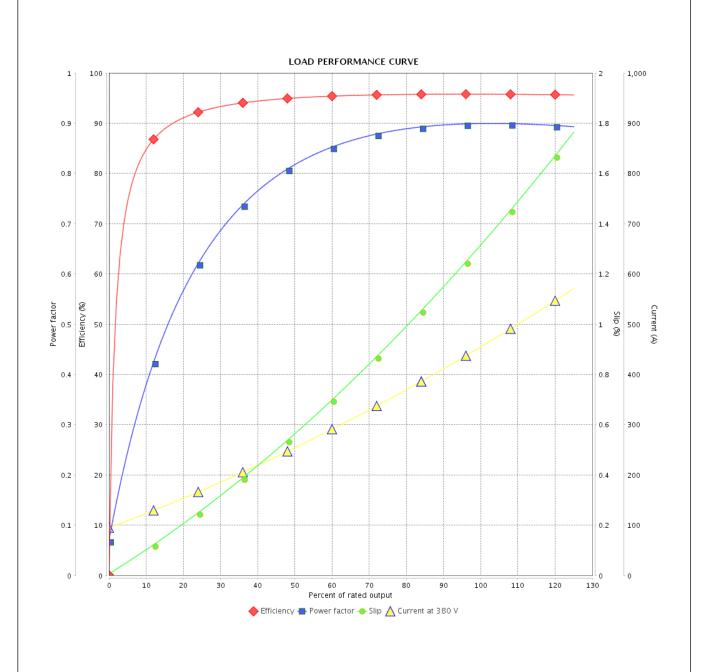
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Product line : W40 NEMA Premium Efficiency

Three-Phase

Product code: 13593623

Catalog # : 40036OT3G447/9TS-W40



Performance	Performance : 380 V 50 Hz 2P IE3					
Rated current :		58 A	Moment o	Moment of inertia (J)		
LRC	: 6	.1	Duty cycle	;	: Cont.(S1)	
Rated torque : 62		21 ft.lb	Insulation class		: F	
Locked rotor torqu	ie : 10	60 %	Service fa	ctor	: 1.15	
Breakdown torque	: 2:	29 %	Temperati	Temperature rise		
Rated speed	: 29	960 rpm	Design		: A	
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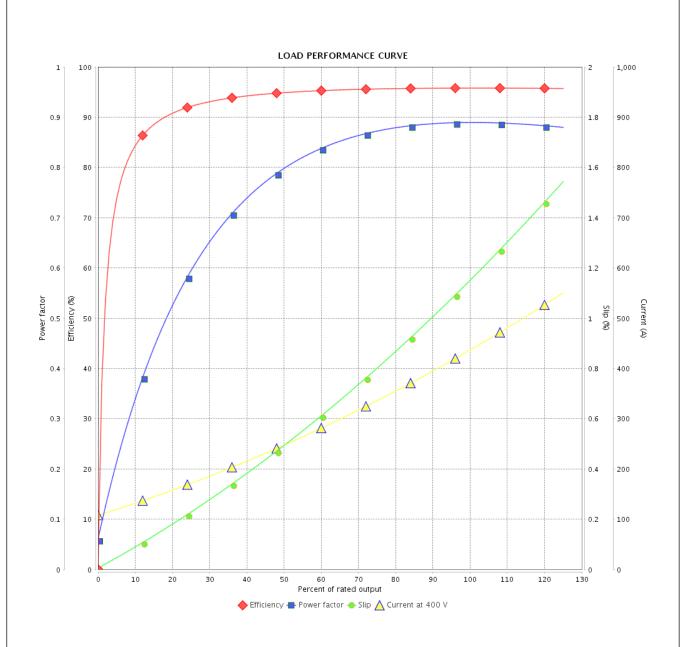
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Domformon	. 400 \/ E0 LI= 2D IE2	·			
Performance	: 400 V 50 Hz 2P IE3				
Rated current LRC	: 440 A : 6.8	Moment of inertia (J) Duty cycle		: 39.1 sq.ft.lb : Cont.(S1)	
Rated torque	: 620 ft.lb : 170 %	Insulation class Service factor Temperature rise		: F : 1.15	
Locked rotor torque Breakdown torque	: 250 %			: 80 K	
Rated speed	: 2965 rpm	Design		: A	
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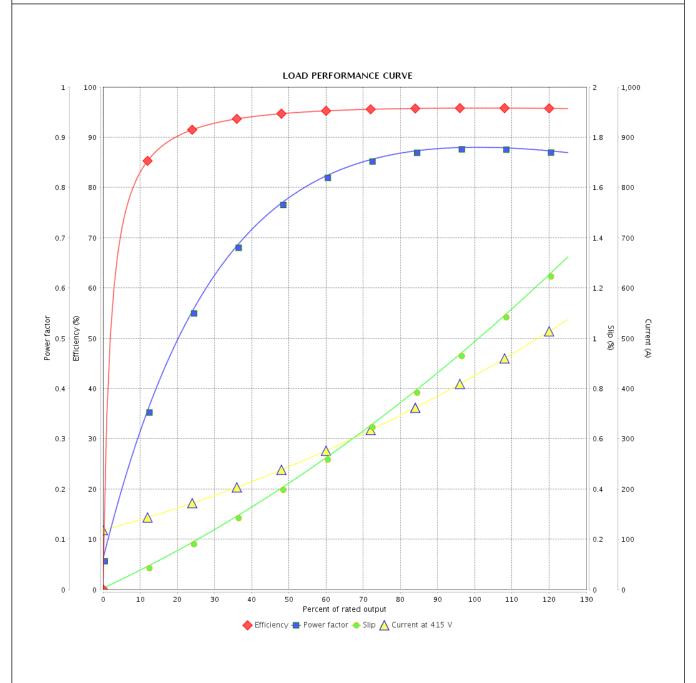
Product line : W40 NEMA Premium Efficiency Product code :

Three-Phase

Catalog #:

13593623

40036OT3G447/9TS-W40



Performance : 41		415 V 50 Hz 2P IE3					
Rated current	:	429 A	Moment of inertia (J)		: 39.1 sq.ft.lb		
LRC		7.3	Duty cycle	Duty cycle			
Rated torque		619 ft.lb	Insulation class		: F		
Locked rotor torque		180 %	Service fa	ctor	: 1.15		
Breakdown torque	:	: 270 % Temper		ıre rise	: 80 K		
Rated speed	:	2970 rpm	Design		: A		
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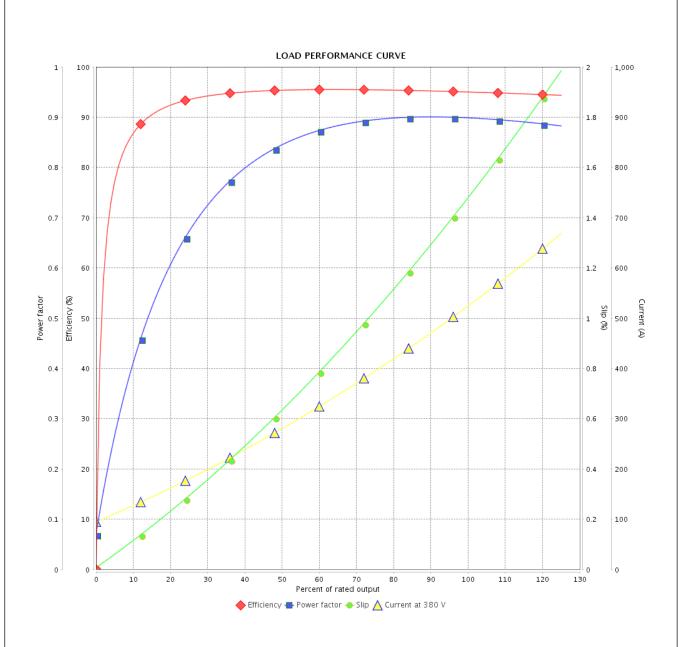
Product line : W40 NEMA Premium Efficiency

Three-Phase

Product code: 13593623

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Performance	: 380 V 50 Hz 2P IE2			
LRC : 5.3 D Rated torque : 711 ft.lb In Locked rotor torque : 140 % Sr Breakdown torque : 200 % Te		Moment of inertia (J) Duty cycle Insulation class Service factor Temperature rise Design	: 39.1 sq.ft.lb : Cont.(S1) : F : 1.15 : 80 K : A	
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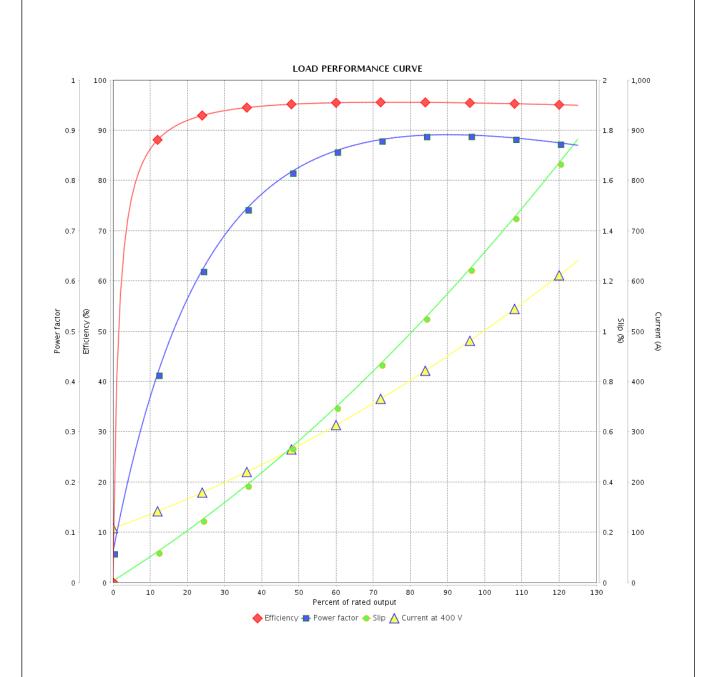


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Product line : W40 NEMA Premium Efficiency Product code:

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Catalog #: 40036OT3G447/9TS-W40



Performance	: 40	00 V 50 Hz 2P IE2				
Rated current		10 A	Moment o	Moment of inertia (J)		
LRC	: 5.	.9	Duty cycle	e ` ´	: Cont.(S1)	
Rated torque : 7		10 ft.lb	Insulation	Insulation class		
Locked rotor torqu	ue : 1	50 %	Service fa	ictor	: 1.15	
Breakdown torque	e : 22	20 %	Temperature rise		: 80 K	
Rated speed	: 29	960 rpm	Design		: A	
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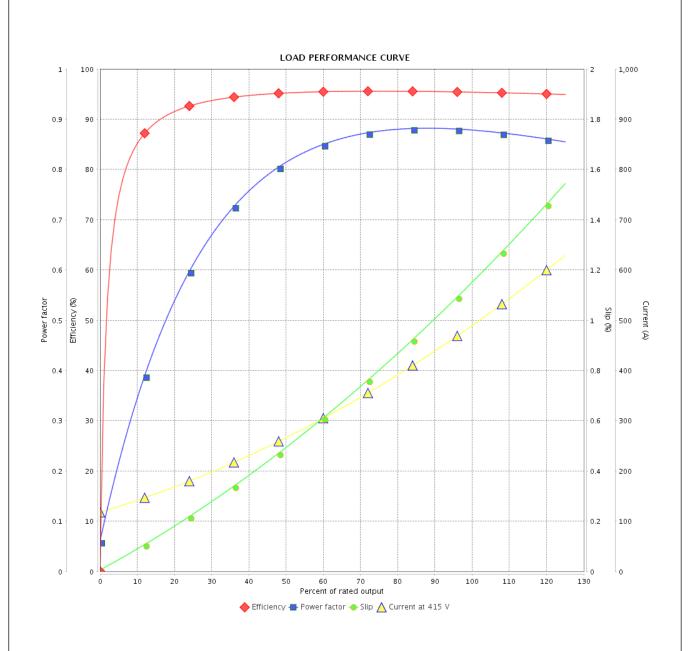
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Three-Phase

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Performance	: 415 V 50 Hz 2P IE2			
Rated current LRC Rated torque Locked rotor torque Breakdown torque Rated speed	: 497 A : 6.4 : 708 ft.lb : 160 % : 240 % : 2965 rpm	Moment of inertia (J) Duty cycle Insulation class Service factor Temperature rise Design	: 39.1 sq.ft.lb : Cont.(S1) : F : 1.15 : 80 K : A	
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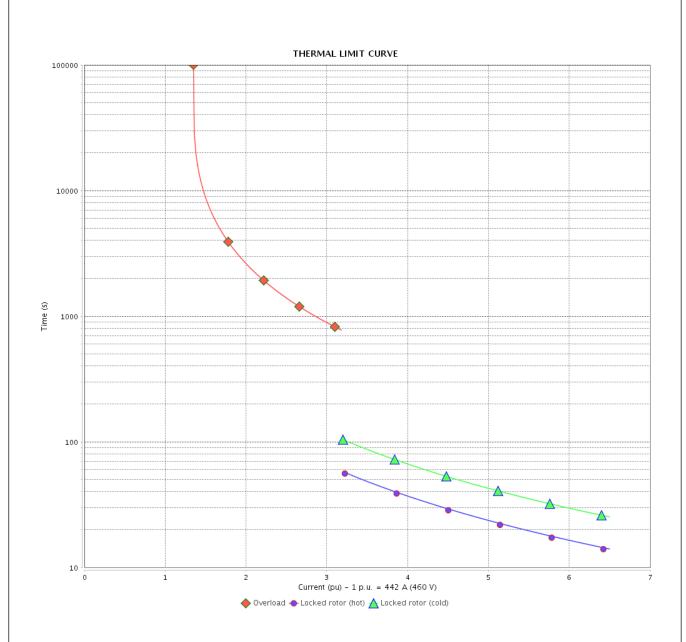


Product line	:' T	N40 NEMA Premium Efficiency nree-Phase	Product code :	13593623	
		ircc-i riasc	Catalog # :	40036OT3G4	47/9TS-W
Performance	: 4	60 V 60 Hz 2P			
Performance Rated current RC Rated torque Locked rotor tor	: 4- : 6 : 5- que : 1' ue : 2-	12 A Mc 5 Du 39 ft.lb Ins 70 % Se 50 % Tei	oment of inertia (J) ty cycle sulation class rvice factor mperature rise	: 39.1 sq.ft.lb : Cont.(S1) : F : 1.15 : 80 K	
Rated current .RC Rated torque .ocked rotor tor	: 4- : 6 : 5- que : 1' ue : 2- : 3-	12 A Mc 5 Du 39 ft.lb Ins 70 % Se 50 % Tei	ty cycle sulation class rvice factor	: Cont.(S1) : F : 1.15	
Rated current RC Rated torque ocked rotor tor Breakdown torq Rated speed	: 4- : 6. : 5: que : 1 ue : 2: : 3:	Mc 5 Du 59 ft.lb Ins 70 % Se 50 % Tel 565 rpm	ty cycle sulation class rvice factor mperature rise	: Cont.(S1) : F : 1.15 : 80 K	Date
Rated current RC Rated torque ocked rotor tor creakdown torq Rated speed leating constant Cooling constant Rev.	: 4- : 6. : 5: que : 1 ue : 2: : 3:	12 A Mc 5 Du 39 ft.lb Ins 70 % Se 50 % Tei	ty cycle sulation class rvice factor mperature rise sign	: Cont.(S1) : F : 1.15 : 80 K : A	Date
ated current RC lated torque ocked rotor tor reakdown torq lated speed leating constant cooling constant	: 4- : 6. : 5: que : 1 ue : 2: : 3:	Mc 5 Du 59 ft.lb Ins 70 % Se 50 % Tel 565 rpm	ty cycle sulation class rvice factor mperature rise sign	: Cont.(S1) : F : 1.15 : 80 K : A	Date

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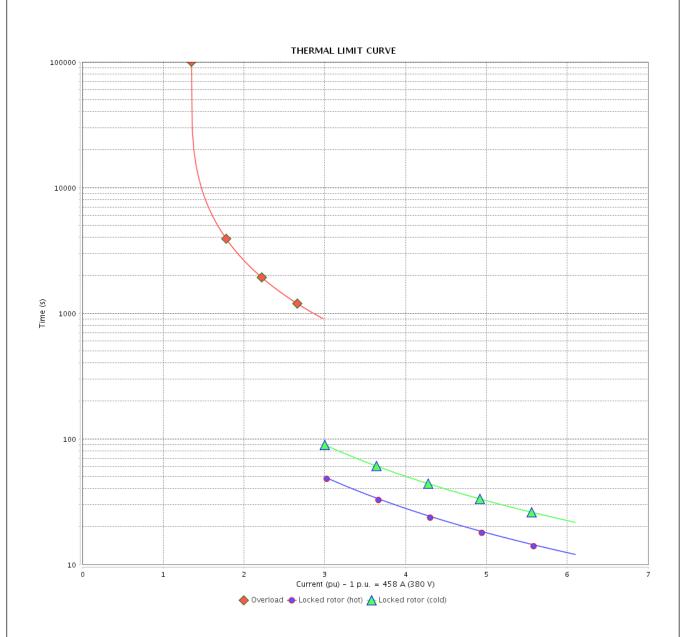


						
Product line	: W40 NEMA Premium Efficiency Three-Phase		ncy I	Product code :	13593623	
	'	illee-i ilase	(Catalog # :	40036OT3G4	147/9TS-W4
Rated current LRC Rated torque Locked rotor tord Breakdown torqu Rated speed	: 4: : 6 : 6: que : 1! ue : 2: : 2:	.1 21 ft.lb 60 % 29 %	Moment of Duty cycle Insulation Service fac Temperatu Design	class ctor	: 39.1 sq.ft.lb : Cont.(S1) : F : 1.15 : 80 K : A	
Performance Rated current LRC Rated torque Locked rotor toro Breakdown torque Rated speed Heating constant	: 4: : 6 : 6: que : 1: ue : 2: : 2:	58 A .1 21 ft.lb 60 % 29 %	Duty cycle Insulation Service fac Temperatu	class ctor	: Cont.(S1) : F : 1.15 : 80 K	
Rated current LRC Rated torque Locked rotor tord Breakdown torqu Rated speed	: 4: : 6 : 6: que : 1: ue : 2: : 2:	58 A .1 21 ft.lb 60 % 29 % 960 rpm	Duty cycle Insulation Service fac Temperatu	class ctor	: Cont.(S1) : F : 1.15 : 80 K	Date
Rated current LRC Rated torque Locked rotor torque Breakdown torque Rated speed Heating constant Cooling constant	: 4: : 6 : 6: que : 1: ue : 2: : 2:	58 A .1 21 ft.lb 60 % 29 %	Duty cycle Insulation Service fac Temperatu	class ctor ire rise	: Cont.(S1) : F : 1.15 : 80 K : A	Date
Rated current LRC Rated torque Locked rotor tord Breakdown torque Rated speed Heating constant Cooling constant Rev.	: 4: : 6 : 6: que : 1: ue : 2: : 2:	58 A .1 21 ft.lb 60 % 29 % 960 rpm	Duty cycle Insulation Service fac Temperatu	class ctor ire rise	: Cont.(S1) : F : 1.15 : 80 K : A	Date
Rated current LRC Rated torque Locked rotor tord Breakdown torqu Rated speed Heating constant Cooling constant	: 4: : 6 : 6: que : 1: ue : 2: : 2:	58 A .1 21 ft.lb 60 % 29 % 960 rpm	Duty cycle Insulation Service fac Temperatu	class ctor ire rise	: Cont.(S1) : F : 1.15 : 80 K : A	Date

Three Phase Induction Motor - Squirrel Cage



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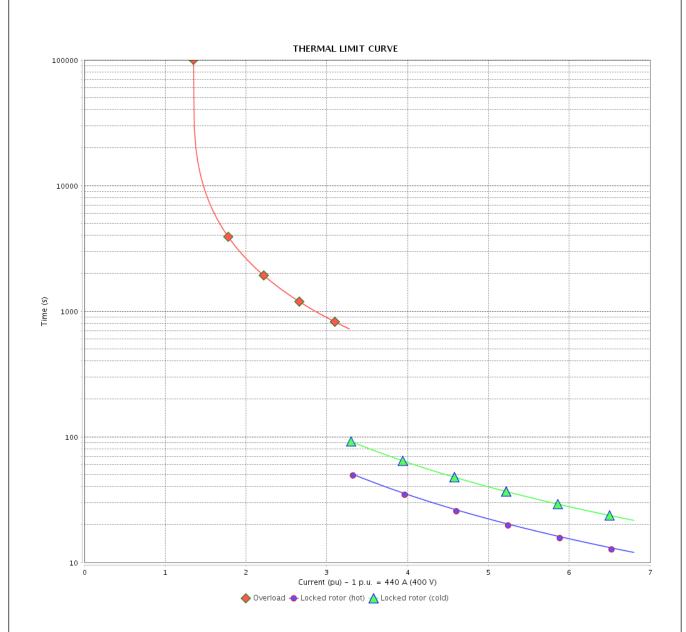


Customer	:					
Product line	: \ TI	W40 NEMA Premium Effici hree-Phase	-	Product code :	13593623	
				Catalog # :	40036OT3G	447/9TS-W40
Performance		00 V 50 Hz 2P IE3				
Rated current LRC	: 44 : 6.	40 A 8	Moment of Duty cycle	of inertia (J)	: 39.1 sq.ft.lb : Cont.(S1)	
Rated torque		.8 20 ft.lb	Insulation	class	: Cont.(S1) : F	
Locked rotor tord	que : 17	70 %	Service fa	ector	: 1.15	
Breakdown torqu Rated speed	ue : 25	50 % 965 rpm	Temperat Design	ure rise	: 80 K : A	
Heating constan	t					
Cooling constant						
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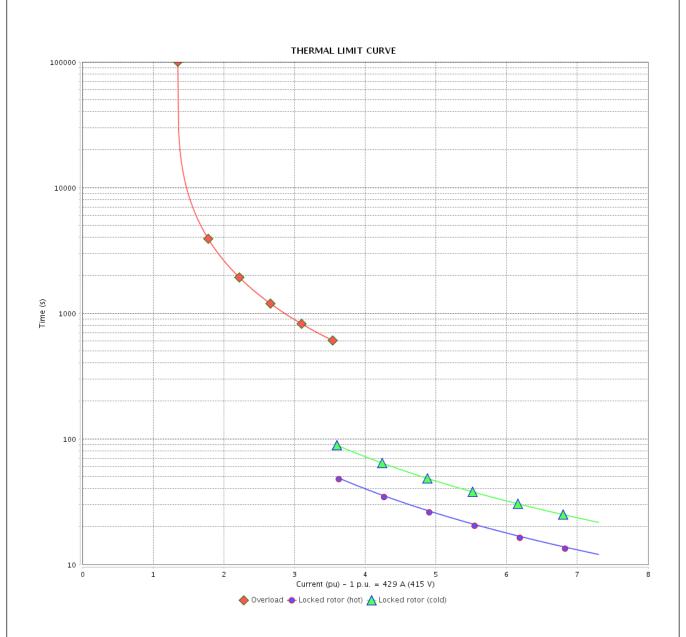


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Draduat line	.,	MAAA NICMA Drawsium Effici		Draduat and a	42502022	
Product line	: T	W40 NEMA Premium Effici hree-Phase		Product code :	13593623	
				Catalog # :	40036OT3G4	147/9TS-W40
Performance Rated current		15 V 50 Hz 2P IE3 29 A	Momento	finartia (I)	: 20.1 og ft lb	
LRC	. 4. : 7		Duty cycle	f inertia (J)	: 39.1 sq.ft.lb : Cont.(S1)	
Rated torque		19 ft.lb	Insulation	class	: F	
Locked rotor tord Breakdown torqu		80 % 70 %	Service fa Temperati		: 1.15 : 80 K	
Rated speed		970 rpm	Design	are rise	: A	
Heating constan	t					
Cooling constan						
Rev.		Changes Summary		Performed	Checked	Date
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Three Phase Induction Motor - Squirrel Cage



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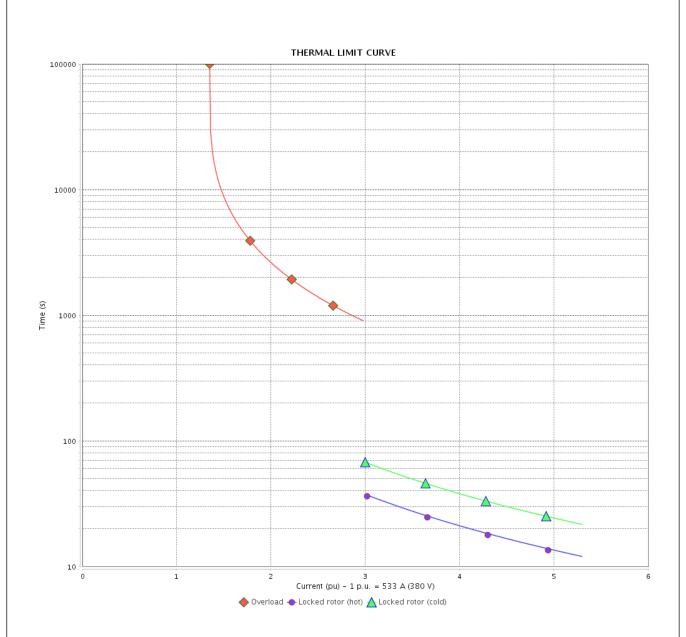


Customer	:					
Product line	:	W40 NEMA Premium Effic	ciency	Product code :	13593623	
		Thee-i hase		Catalog # :	40036OT3G	447/9TS-W4
Performance Rated current LRC Rated torque Locked rotor torque	: 5 : 5 : 7 jue : 1	80 V 50 Hz 2P IE2 33 A .3 '11 ft.lb 40 %	Moment of Duty cycle Insulation Service fa	class actor	: 39.1 sq.ft.lb : Cont.(S1) : F : 1.15 : 80 K	
Rated speed	: 2	955 rpm	Design		: A	
Heating constant						
Cooling constant Rev.		Changes Summani		Performed	Checked	Date
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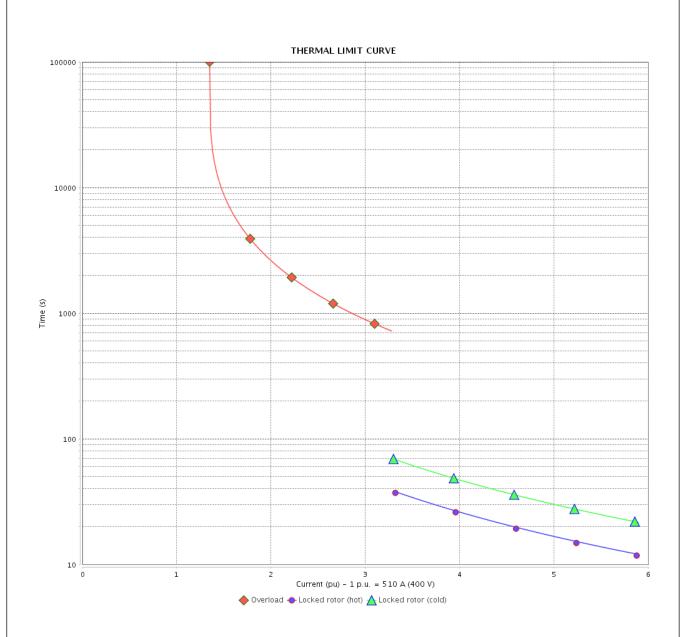


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Doe do et lie e		MAAO NIEMA Deservices Efficient		Due donat and a	40500000	
Product line	: Т	W40 NEMA Premium Effici hree-Phase	ency	Product code :	13593623	
				Catalog # :	40036OT3G4	147/9TS-W40
Performance	: 4	00 V 50 Hz 2P IE2				
Rated current		10 A	Moment o	f inertia (J)	: 39.1 sq.ft.lb	
LRC Rated torque	: 5	.9 10 ft.lb	Duty cycle Insulation		: Cont.(S1) : F	
Locked rotor tor		50 %	Service fa		. г : 1.15	
Breakdown torqu	ue : 2	20 %	Temperati	ure rise	: 80 K	
Rated speed		960 rpm	Design		: A	
Heating constan						
Cooling constan Rev.	t	Changes Summary		Performed	Checked	Date
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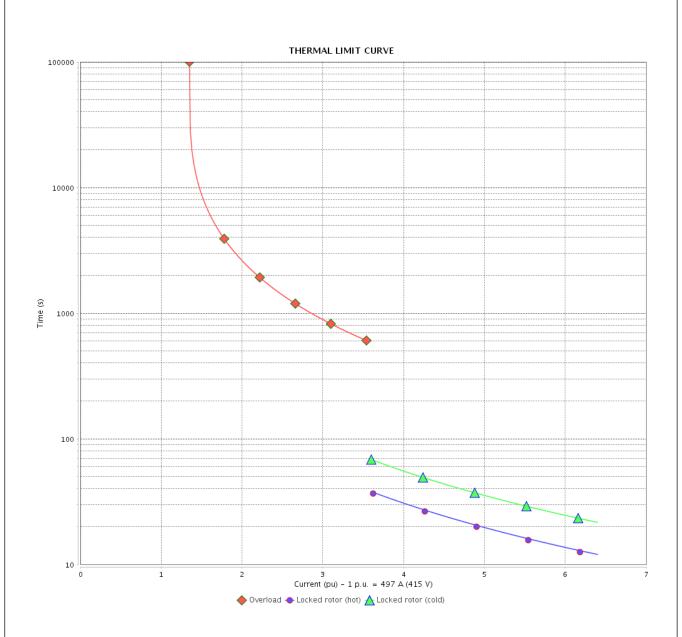


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Product line	: ¹	N40 NEMA Premium Efficier	ncy	Product code :	13593623	
	Į.	Three-Phase		Catalog # :	40036OT3G4	447/9TS-W40
Performance Rated current LRC Rated torque Locked rotor torque Breakdown torque Rated speed Heating constan	: 49 : 6. : 70 que : 10 ue : 24 : 29	4 08 ft.lb 60 % 40 %	Moment or Duty cycle Insulation Service fa Temperatu Design	class ctor	: 39.1 sq.ft.lb : Cont.(S1) : F : 1.15 : 80 K : A	
Rated current LRC Rated torque Locked rotor torq Breakdown torq Rated speed Heating constan	: 49 : 6. : 70 que : 16 ue : 24 : 29	97 A 4 98 ft.lb 60 % 40 %	Duty cycle Insulation Service fa Temperatu	class ctor	: Cont.(S1) : F : 1.15 : 80 K	
Rated current LRC Rated torque Locked rotor torq Breakdown torq Rated speed Heating constan	: 49 : 6. : 70 que : 16 ue : 24 : 29	97 A 4 98 ft.lb 60 % 40 %	Duty cycle Insulation Service fa Temperatu	class ctor	: Cont.(S1) : F : 1.15 : 80 K	Date
Rated current LRC Rated torque Locked rotor torq Breakdown torqo Rated speed Heating constan Cooling constan	: 49 : 6. : 70 que : 16 ue : 24 : 29	97 A 4 98 ft.lb 60 % 40 % 965 rpm	Duty cycle Insulation Service fa Temperatu	class ctor ire rise	: Cont.(S1) : F : 1.15 : 80 K : A	Date
Rated current LRC Rated torque Locked rotor torq Breakdown torqo Rated speed Heating constan Cooling constan Rev.	: 49 : 6. : 70 que : 16 ue : 24 : 29	97 A 4 98 ft.lb 60 % 40 % 965 rpm	Duty cycle Insulation Service fa Temperatu	class ctor ire rise	: Cont.(S1) : F : 1.15 : 80 K : A	Date
Rated current LRC Rated torque Locked rotor torq Breakdown torqo Rated speed Heating constan Cooling constan	: 49 : 6. : 70 que : 16 ue : 24 : 29	97 A 4 98 ft.lb 60 % 40 % 965 rpm	Duty cycle Insulation Service fa Temperatu	class ctor ire rise	: Cont.(S1) : F : 1.15 : 80 K : A	Date

Three Phase Induction Motor - Squirrel Cage



Customer :



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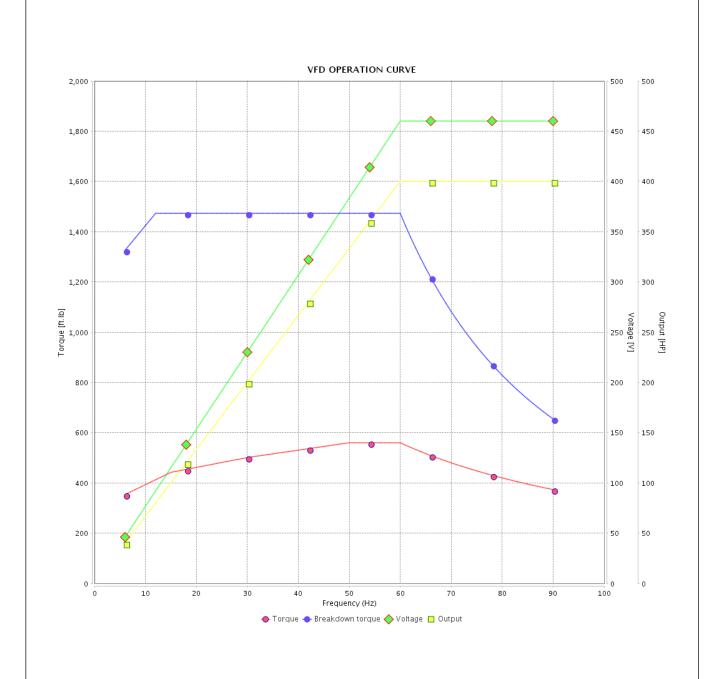
Customer

Product line : W40 NEMA Premium Efficiency

Three-Phase

Product code: 13593623

Catalog #: 40036OT3G447/9TS-W40



Performance	: 4	: 460 V 60 Hz 2P						
Rated current	: 4	442 A Moment of inertia		of inertia (J)	: 39.1 sq.ft.lb			
LRC		.5	Duty cycle		: Cont.(S1)			
Rated torque	: 5	89 ft.lb	Insulation class		: F			
Locked rotor tord	que : 1	70 %	Service factor		: 1.15			
Breakdown torqu	ie : 2	250 % Tempera		Temperature rise : 80 K				
Rated speed	: 3	: 3565 rpm		Design				
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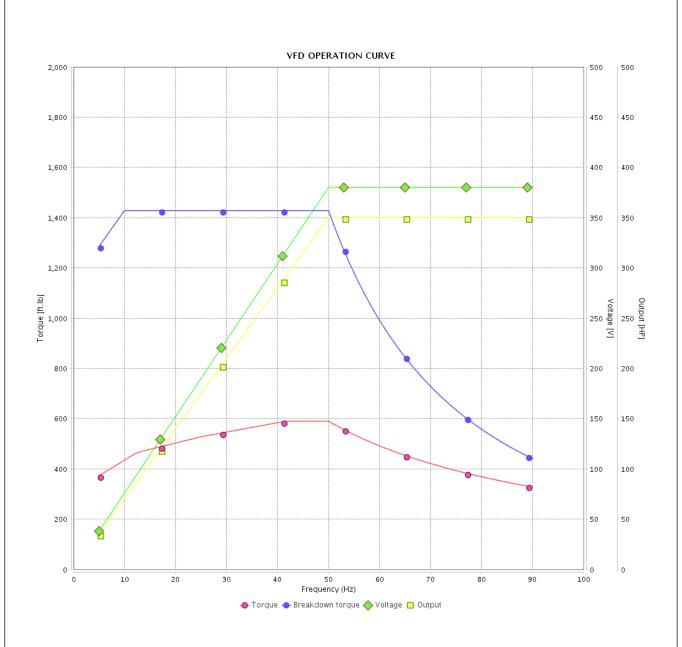
Product line : W40 NEMA Premium Efficiency

Three-Phase

Product code: 13593623

Catalog #: 40036OT3G447/9TS-W40

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Performance : 380 V 50 Hz 2P IE3 Rated current : 458 A Moment of inertia (J) : 39.1 sq.ft.lb **LRC** Duty cycle : Cont.(S1) : 6.1 Insulation class : 621 ft.lb : F Rated torque Locked rotor torque : 160 % Service factor : 1.15 Breakdown torque : 229 % Temperature rise : 80 K Rated speed : 2960 rpm Design : A Rev. Performed Checked Date **Changes Summary** Performed by Checked by Revision Page

Three Phase Induction Motor - Squirrel Cage



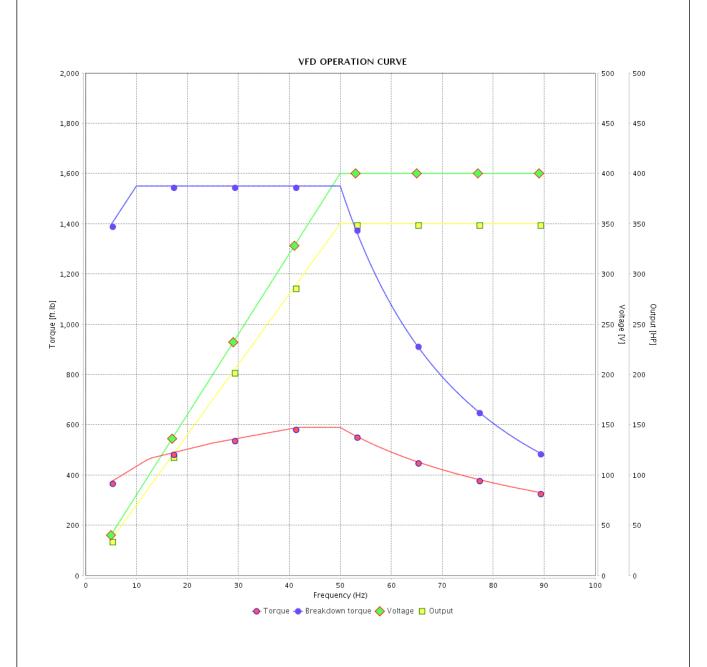
Customer

Product line : W40 NEMA Premium Efficiency

Three-Phase

Product code: 13593623

Catalog #: 40036OT3G447/9TS-W40



Performance	: 4	: 400 V 50 Hz 2P IE3						
Rated current	: 4	40 A Moment of inertia (J)		: 39.1 sq.ft.lb				
LRC		.8	Duty cycle		: Cont.(S1)			
Rated torque		20 ft.lb	Insulation class		:F			
Locked rotor torque		70 %	Service factor		: 1.15			
Breakdown torque	e : 2	50 %	Temperature rise		: 80 K			
Rated speed	: 2	: 2965 rpm Design			: A			
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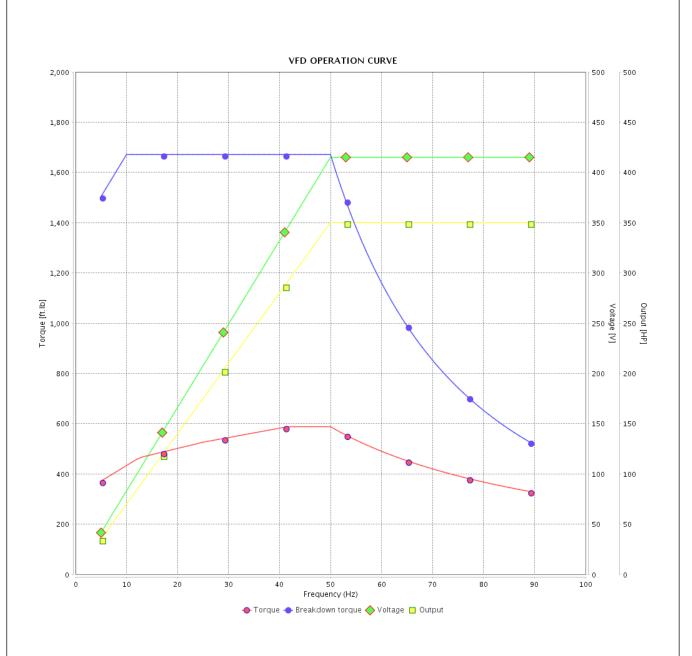
Product line : W40 NEMA Premium Efficiency

Three-Phase

Product code: 13593623

Catalog # : 40036OT3G447/9TS-W40

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Performance	: 415 V 50 Hz 2P IE3						
Rated current	: 429 A Moment of inertia (J)		f inertia (J)	: 39.1 sq.ft.lb			
LRC	: 7.3	Duty cycle		: Cont.(S1)			
Rated torque	: 619 ft.lb Insula		class	: F			
Locked rotor torque	: 180 %	Service fa	ctor	: 1.15			
Breakdown torque	: 270 %	Temperati	Temperature rise				
Rated speed	: 2970 rpm	Design		: A			
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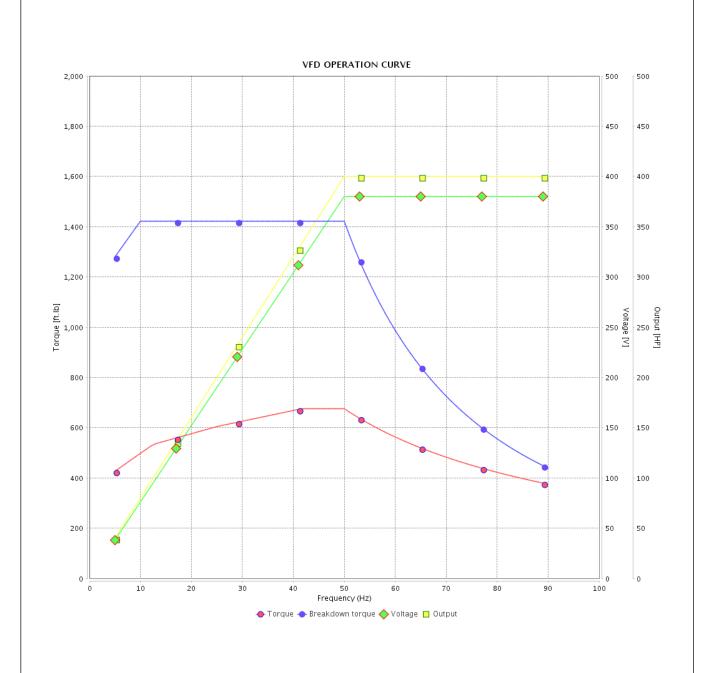
Customer

Product line : W40 NEMA Premium Efficiency

Three-Phase

Product code: 13593623

Catalog #: 40036OT3G447/9TS-W40



Performance	:	: 380 V 50 Hz 2P IE2						
Rated current	:	: 533 A Moment of inertia (J)		f inertia (J)	: 39.1 sq.ft.lb			
LRC	:	5.3	Duty cycle		: Cont.(S1)			
Rated torque	:	711 ft.lb	Insulation class		: F			
Locked rotor torque	e :	140 %	Service factor		: 1.15			
Breakdown torque	:	200 %	Temperature rise		: 80 K			
Rated speed	:	2955 rpm	Design		: A			
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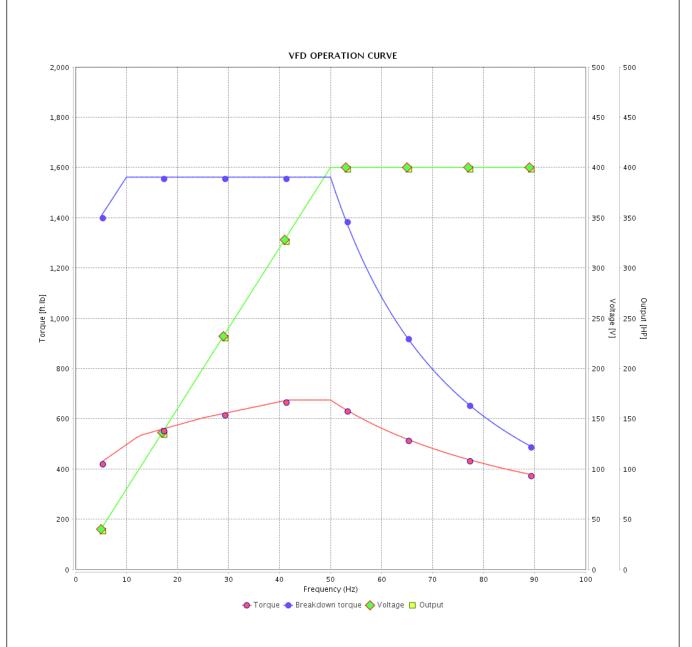
Product line : W40 NEMA Premium Efficiency

Three-Phase

Product code: 13593623

Catalog #: 40036OT3G447/9TS-W40

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Performance	: 400 V 50 Hz 2P IE2				
1 enormance	. 400 V 30 HZ ZI ILZ				
Rated current	: 510 A	Moment of inertia (J)	: 39.1 sq.ft.	lb	
LRC	: 5.9	Duty cycle	: Cont.(S1)		
Rated torque	: 710 ft.lb	Insulation class		: F ` ´	
Locked rotor torque	: 150 %	Service factor	: 1.15	: 1.15	
Breakdown torque	: 220 %	Temperature rise	: 80 K		
Rated speed	: 2960 rpm	Design	: A		
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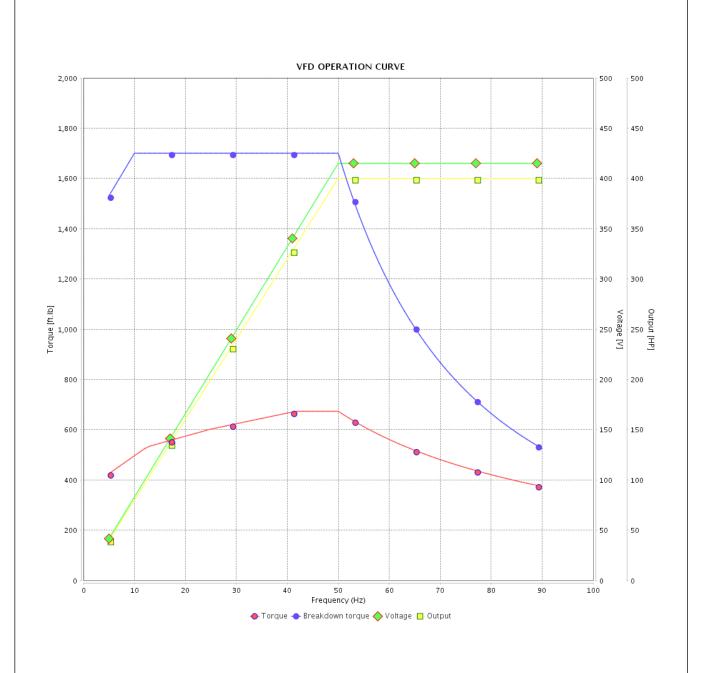
Customer

Product line : W40 NEMA Premium Efficiency Product code :

Three-Phase

Catalog #: 40036OT3G447/9TS-W40

13593623



Performance	: 4	: 415 V 50 Hz 2P IE2						
Rated current	: 4	497 A Moment of inc		inertia (J) : 39.1 sq.ft.lb				
LRC	: 6	6.4	Duty cycle		: Cont.(S1)			
Rated torque	: 7	708 ft.lb	Insulation class		:F			
Locked rotor torque	e : '	160 %	Service factor		: 1.15			
Breakdown torque	: 2	240 %	Temperature rise		: 80 K			
Rated speed	: 2	2965 rpm	Design	Design				
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