### **DATA SHEET**

#### Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : W40 NEMA Premium Efficiency Product code : 14495602

Three-Phase

Catalog #: 03012OT3E326TC-W40

Frame : 324/6TC Cooling method : IC01 - ODP

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. weight³ : 532 lb

Protection degree : 1000 m.a.s.l. Approx. weight : 532 lb Moment of inertia (J) : 9.56 sq.ft.lb

Protection degree		. IP23	Moment of the	ertia (J) . 9.50	sq.ii.ib
Design		: B			
Output [HP]		30	25	25	25
Poles		6	6	6	6
Frequency [Hz]		60	50	50	50
Rated voltage [V]		230/460	380	400	415
Rated current [A]		72.0/36.0	36.5	35.5	34.6
L. R. Amperes [A]		454/227	223	238	235
LRC [A]		6.3x(Code G)	6.1x(Code G)	6.7x(Code H)	6.8x(Code H)
No load current [A]	]	29.6/14.8	14.6	15.8	16.8
Rated speed [RPN	1]	1182	980	980	980
Slip [%]		1.50	2.00	2.00	2.00
Rated torque [ft.lb]		133	134	134	134
	Locked rotor torque [%]		160	180	200
Breakdown torque	[%]	240	229	260	280
Service factor		1.25	1.00	1.00	1.00
Temperature rise		80 K	80 K	80 K	80 K
Locked rotor time		30s (cold) 17s (hot)	25s (cold) 14s (hot)	23s (cold) 13s (hot)	23s (cold) 13s (hot)
Noise level <sup>2</sup>		62.0 dB(A)			
	25%	91.7	91.2	91.2	91.4
Efficiency (%)	50%	92.4	91.4	91.4	91.6
Liliciency (70)	75%	93.0	91.8	91.8	91.8
	100%	93.6	91.8	91.8	91.8
	25%	0.44	0.44	0.40	0.38
Power Factor	50%	0.70	0.70	0.66	0.63
I OWELL ACTOL	75%	0.79	0.80	0.77	0.75
	100%	0.82	0.84	0.82	0.81

Bearing type

Drive end Solution loads

6312 Z C3

6211 Z C3

Max. traction

Max. traction

Sealing : Without Without Max. compression Bearing Seal Bearing Seal

Lubrication interval : 20000 h 20000 h
Lubricant amount : 21 g 11 g
Lubricant type : Mobil Polyrex EM

Notes

USABLE @208V 79.6A SF 1.15 SFA 91.6A

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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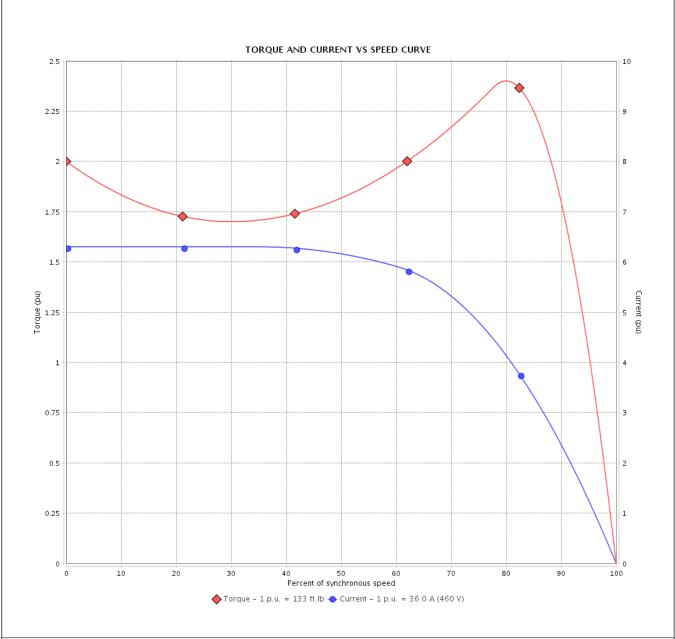
Customer :

Product line : W40 NEMA Premium Efficiency

Three-Phase

Product code: 14495602

Catalog #: 03012OT3E326TC-W40



Performance : 230/460 V 60 Hz 6P Rated current : 72.0/36.0 A Moment of inertia (J) : 9.56 sq.ft.lb **LRC** : 6.3 Duty cycle : Cont.(S1) Insulation class Rated torque : 133 ft.lb : F Locked rotor torque : 200 % Service factor : 1.25 Breakdown torque : 240 % Temperature rise : 80 K Rated speed : 1182 rpm Design : B

Locked rotor time : 30s (cold) 17s (hot)

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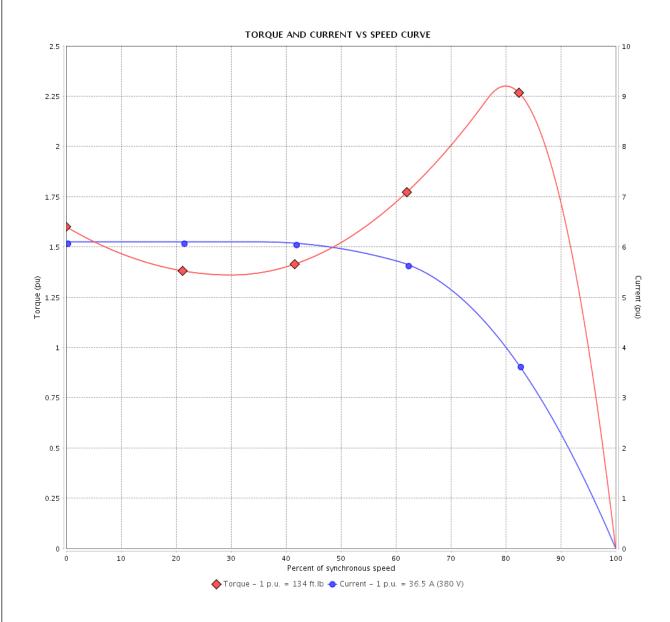
Customer

Product line : W40 NEMA Premium Efficiency

Three-Phase

Product code: 14495602

Catalog #: 03012OT3E326TC-W40



Performance : 380 V 50 Hz 6P IE3 Rated current : 36.5 A Moment of inertia (J) : 9.56 sq.ft.lb **LRC** : 6.1 Duty cycle : Cont.(S1) Insulation class Rated torque : 134 ft.lb : F Locked rotor torque : 160 % Service factor : 1.00 Breakdown torque : 229 % Temperature rise : 80 K : B Rated speed : 980 rpm Design

Locked rotor time : 25s (cold) 14s (hot)

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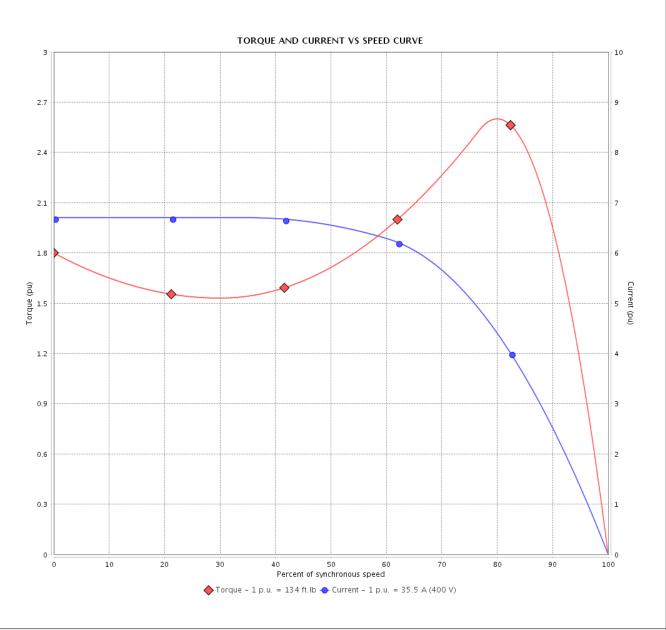
Customer :

Product line : W40 NEMA Premium Efficiency

Three-Phase

Product code: 14495602

Catalog #: 03012OT3E326TC-W40



Performance : 400 V 50 Hz 6P IE3 Rated current : 35.5 A Moment of inertia (J) : 9.56 sq.ft.lb **LRC** : 6.7 Duty cycle : Cont.(S1) Insulation class Rated torque : 134 ft.lb : F Service factor Locked rotor torque : 180 % : 1.00 Breakdown torque : 260 % Temperature rise : 80 K Rated speed : 980 rpm Design : B

Locked rotor time : 23s (cold) 13s (hot)

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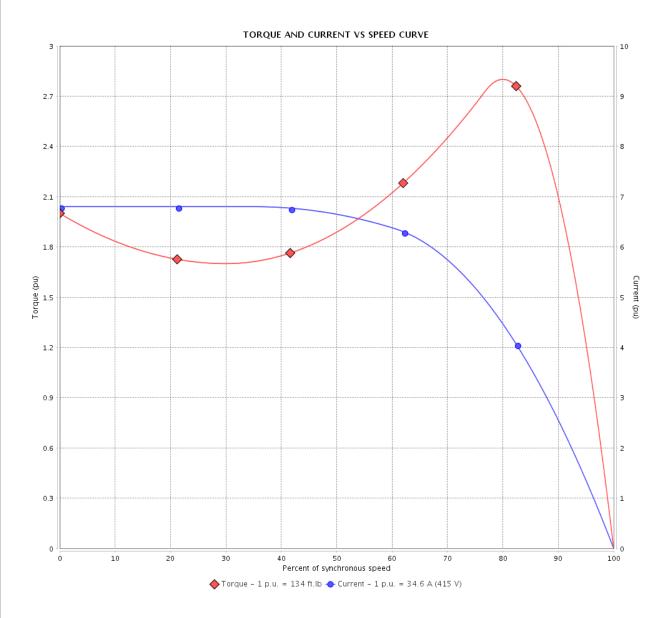


Customer :

Product line : W40 NEMA Premium Efficiency Product code : 14495602

Three-Phase

Catalog #: 03012OT3E326TC-W40



Performance	: 415 V 50 Hz 6P IE3			
Rated current	: 34.6 A	Moment of inertia (J)	: 9.56 sq.ft.lb	
LRC	: 6.8	Duty cycle	: Cont.(S1)	
Rated torque	: 134 ft.lb	Insulation class	: F	
Locked rotor torque	: 200 %	Service factor	: 1.00	
Breakdown torque	: 280 %	Temperature rise	: 80 K	
Rated speed	: 980 rpm	Design	: B	

Locked rotor time : 23s (cold) 13s (hot)

LOCKEU TOLOT LITTLE	. 2.	35 (COId) 135 (HOL)			
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Product line : W40 NEMA Premium Efficiency

Three-Phase

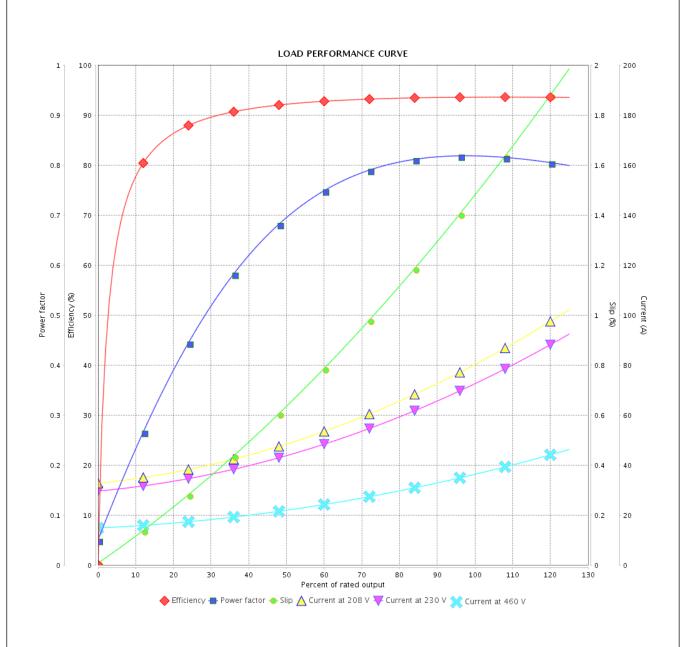
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Performance : 230/460 V 60 Hz 6P		6P				
Rated current LRC Rated torque Locked rotor tord Breakdown torqu Rated speed	•	: 72.0/36.0 A : 6.3 : 133 ft.lb : 200 % : 240 % : 1182 rpm	Moment Duty cycl Insulatior Service f Tempera Design	n class actor	: 9.56 sq.ft.lb : Cont.(S1) : F : 1.25 : 80 K : B	
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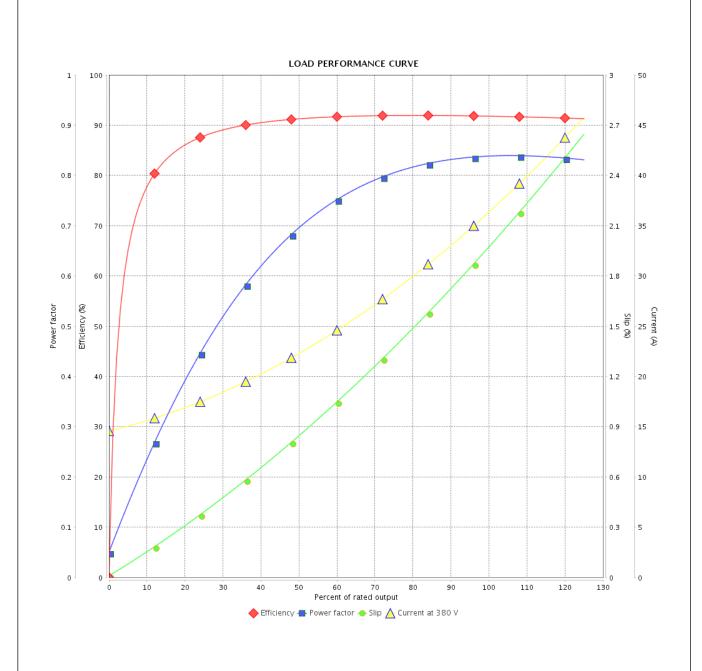
Customer

Product line : W40 NEMA Premium Efficiency Product code:

Three-Phase

Catalog #: 03012OT3E326TC-W40

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Performance : 3		380 V 50 Hz 6P IE3	}			
Rated current	: 3	36.5 A	Moment o	f inertia (J)	: 9.56 sq.ft.lb	
LRC	: 6	3.1	Duty cycle	<b>:</b>	: Cont.(S1)	
Rated torque	:1	134 ft.lb	Insulation	class	: F	
Locked rotor torque		160 %	Service fa	ctor	: 1.00	
Breakdown torque	: 2	229 %	Temperatu	Temperature rise		
Rated speed	: 9	980 rpm	Design		: B	
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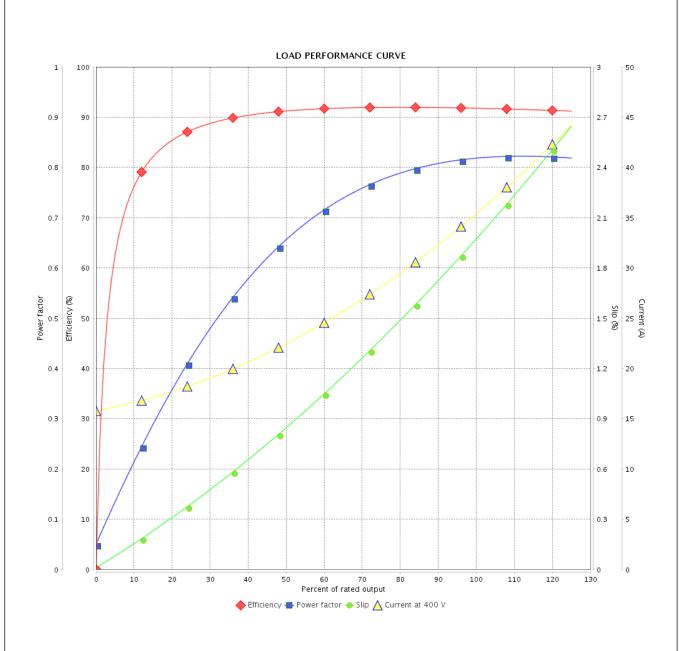
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Three-Phase

Product code: 14495602

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Performance	: 400 V 50 Hz 6P IE3			
Rated current LRC Rated torque Locked rotor torque Breakdown torque Rated speed	: 35.5 A : 6.7 : 134 ft.lb : 180 % : 260 % : 980 rpm	Moment of inertia (J) Duty cycle Insulation class Service factor Temperature rise Design	: 9.56 sq.ft.lb : Cont.(S1) : F : 1.00 : 80 K : B	
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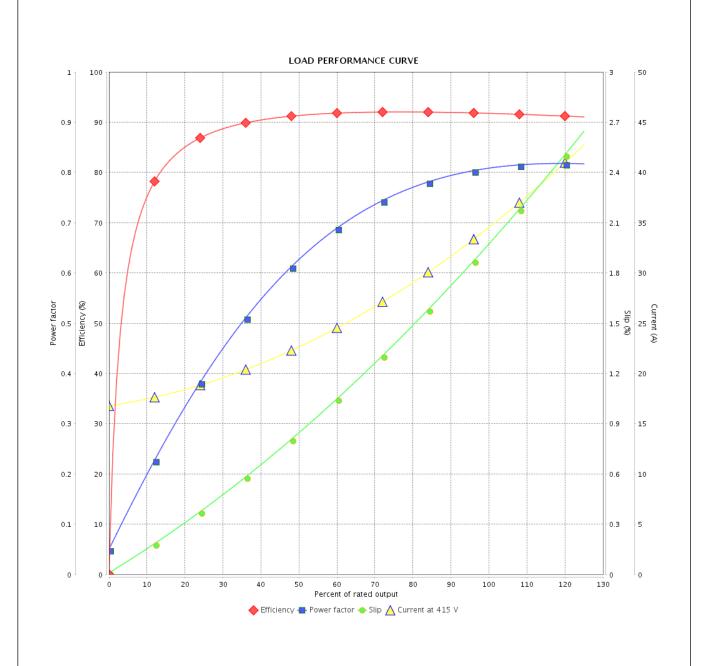
Product line : W40 NEMA Premium Efficiency Product code :

Three-Phase

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Performance	: 415 V 50 Hz 6P IE3				
Rated current LRC Rated torque Locked rotor torque Breakdown torque Rated speed	: 34.6 A : 6.8 : 134 ft.lb : 200 % : 280 % : 980 rpm	Moment of Duty cycle Insulation of Service fac Temperatur Design	class tor	: 9.56 sq.ft.lb : Cont.(S1) : F : 1.00 : 80 K : B	
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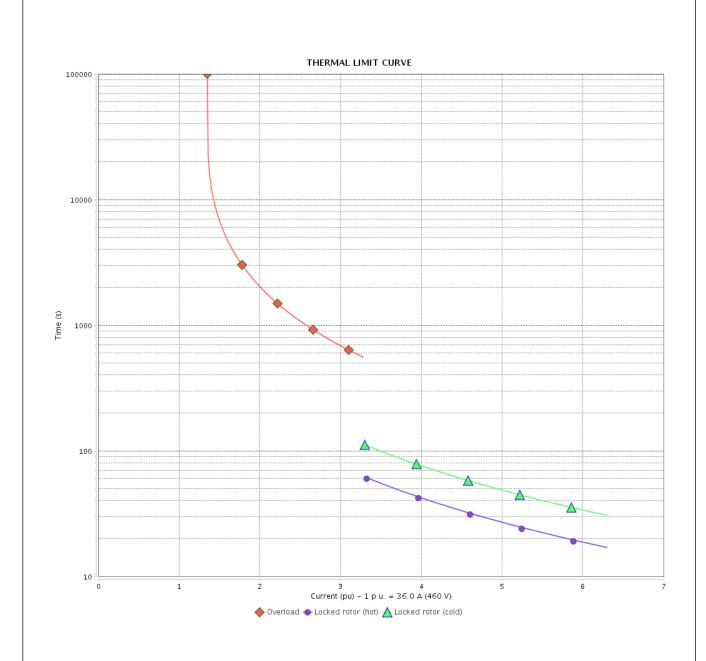


Customer		:				
Product line		: W40 NEMA Premium Effici Three-Phase		Product code : Catalog # :	14495602 03012OT3E3	26TC-W40
Performance	:	: 230/460 V 60 Hz 6P				
Rated current LRC		: 72.0/36.0 A : 6.3	Moment of Duty cycle	of inertia (J)	: 9.56 sq.ft.lb : Cont.(S1)	
Rated torque Locked rotor tord	:	: 133 ft.lb : 200 %	Insulation Service fa	class	: F : 1.25	
Breakdown torqu	ue :	: 240 %	Temperat		: 80 K	
Rated speed		: 1182 rpm	Design		: B	
Heating constant						
Cooling constant	ι 	Changes Summary		Performed	Checked	Date
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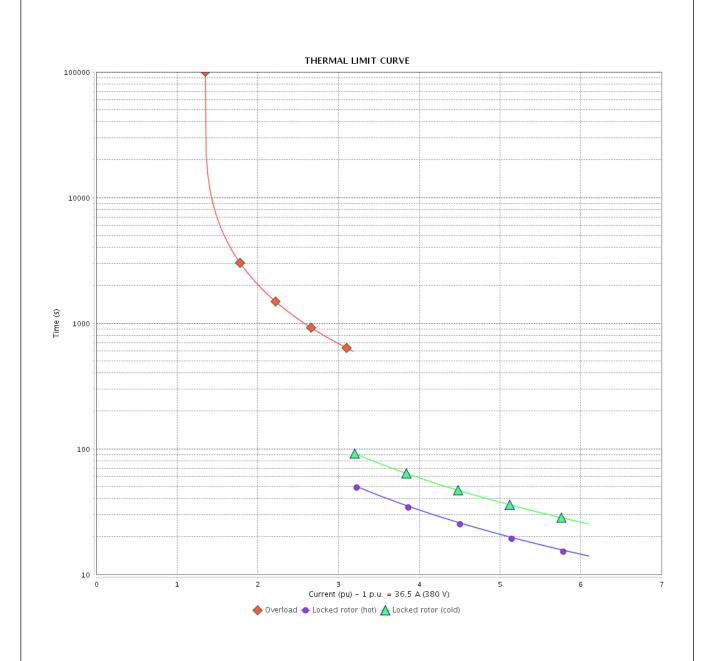


Rated current LRC : 36.5 A LRC : 6.1 Rated torque : 134 ft.lb Locked rotor torque : 160 % Breakdown torque : 229 % Rated speed : 980 rpm  Cooling constant  Rev. Changes Summary  Performed by Checked by  Moment of inertia (J) : 9.56 sq.ft.lb Duty cycle : Cont.(S1) Insulation class : F Service factor : 1.00 Temperature rise : 80 K Design : B  Performed Checked Date					
Performance	Customer	:			
Performance	Product line	: W40 NEMA Premium Effici Three-Phase			
Rated current LRC : 36.5 A LRC : 6.1 Rated torque : 134 ft.lb Locked rotor torque : 160 % Breakdown torque : 229 % Rated speed : 980 rpm  Cooling constant  Rev. Changes Summary  Performed by Checked by  Moment of inertia (J) : 9.56 sq.ft.lb Duty cycle : Cont.(S1) Insulation class : F Service factor : 1.00 Temperature rise : 80 K Design : B  Performed Checked Date			Catalog # :	03012OT3E3	326TC-W40
Rated current LRC : 36.5 A LRC : 6.1 Rated torque : 134 ft.lb Locked rotor torque : 160 % Breakdown torque : 229 % Rated speed : 980 rpm  Cooling constant  Rev. Changes Summary  Performed by Checked by  Moment of inertia (J) : 9.56 sq.ft.lb Duty cycle : Cont.(S1) Insulation class : F Service factor : 1.00 Temperature rise : 80 K Design : B  Performed Checked Date					
LRC : 6.1 Duty cycle : Cont.(\$1) Rated torque : 134 ft.lb Insulation class : F Locked rotor torque : 160 % Service factor : 1.00 Breakdown torque : 229 % Temperature rise : 80 K Rated speed : 980 rpm Design : B  Heating constant Cooling constant Rev. Changes Summary Performed Checked Date  Performed by Checked by	Performance	: 380 V 50 Hz 6P IE3			
Heating constant Cooling constant  Rev. Changes Summary Performed Checked Date  Performed by Checked by Page Revision	Rated current LRC Rated torque Locked rotor torque Breakdown torque Rated speed	: 6.1 : 134 ft.lb : 160 % : 229 %	Duty cycle Insulation class Service factor Temperature rise	: Cont.(S1) : F : 1.00 : 80 K	
Cooling constant  Rev. Changes Summary Performed Checked Date  Performed by Checked by Page Revision		·	_		
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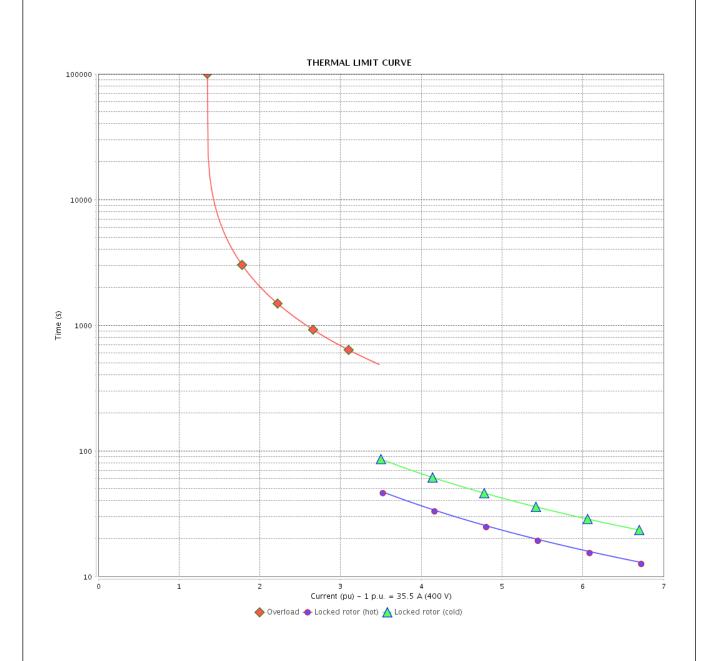


Customer		:				
Product line		: W40 NEMA Premium Efficie Three-Phase		Product code : Catalog # :	14495602 03012OT3E32	26TC-W40
Performance		400 V 50 Hz 6P IE3				
Rated current LRC Rated torque Locked rotor tord	:	35.5 A 6.7 134 ft.lb 180 %	Moment on Duty cycle Insulation Service fa	class	: 9.56 sq.ft.lb : Cont.(S1) : F : 1.00	
Breakdown torqu Rated speed	ue :	260 % 980 rpm	Temperati Design		: 80 K : B	
Heating constant						
Cooling constant	<u>t</u>	Changes Summary		Performed	Checked	Date
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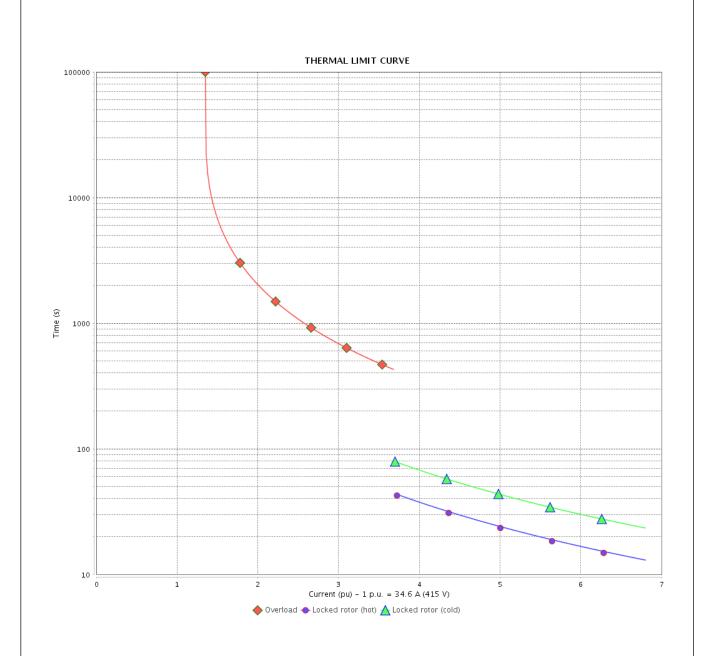


Customer		:				
Product line		: W40 NEMA Premium Efficion Three-Phase		Product code : Catalog # :	14495602 03012OT3E32	26TC-W40
<b>.</b> .						
Performance Rated current		: 415 V 50 Hz 6P IE3 : 34.6 A	Moment o	of inertia (J)	: 9.56 sq.ft.lb	
LRC	:	: 6.8	Duty cycle	9	: Cont.(S1)	
Rated torque		: 134 ft.lb	Insulation		: F : 1.00	
Locked rotor tord Breakdown torqu		: 200 % : 280 %	Service fa Temperati		: 1.00 : 80 K	
Rated speed		: 980 rpm	Design		: B	
Heating constant						
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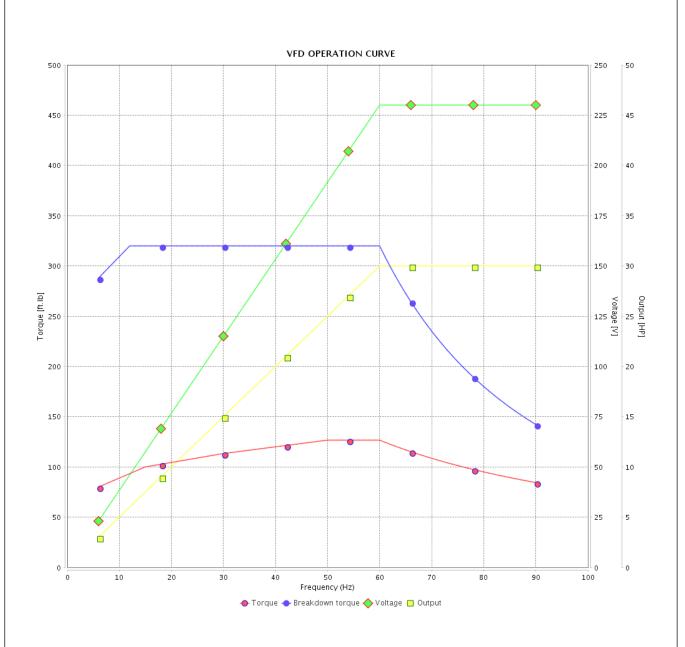
Product line : W40 NEMA Premium Efficiency

Three-Phase

Product code: 14495602

Catalog #: 03012OT3E326TC-W40

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Performance	: 230/460 V 60 Hz 6P				
Rated current LRC Rated torque Locked rotor torque Breakdown torque Rated speed	C : 6.3 Duty cycle red torque : 133 ft.lb Insulation class cked rotor torque : 200 % Service factor rakdown torque : 240 % Temperature rise		class	: 9.56 sq.ft.lb : Cont.(S1) : F : 1.25 : 80 K : B	
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#### Three Phase Induction Motor - Squirrel Cage



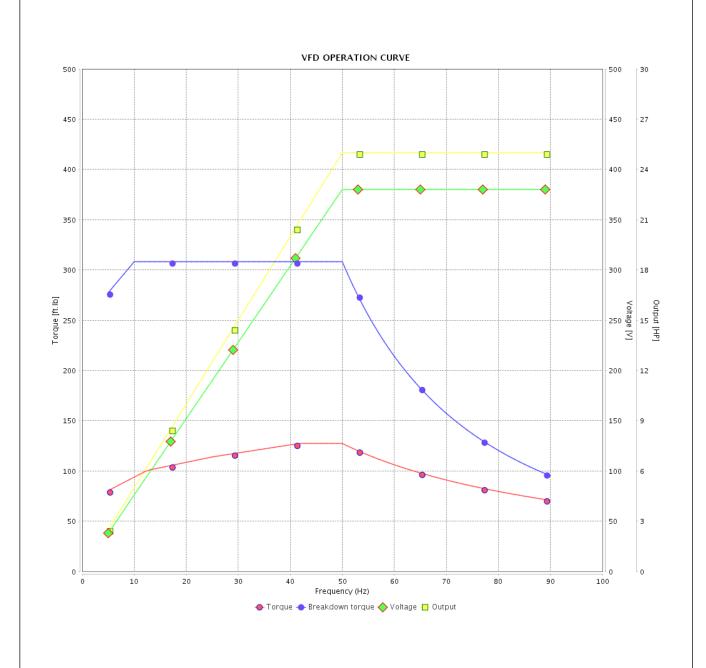
Customer

Product line : W40 NEMA Premium Efficiency

Three-Phase

Product code: 14495602

Catalog #: 03012OT3E326TC-W40



Performance	: 38	80 V 50 Hz 6P IE3				
Rated current	: 36	6.5 A	Moment of	of inertia (J)	: 9.56 sq.ft.lb	
LRC	: 6.	.1	Duty cycle	Э	: Cont.(S1)	
Rated torque	: 13	34 ft.lb	Insulation	class	: F	
Locked rotor torq	ue : 16	60 %	Service fa	actor	: 1.00	
Breakdown torqu	e : 22	29 %	Temperature rise		: 80 K	
Rated speed	: 98	80 rpm	Design		: B	
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Three-Phase

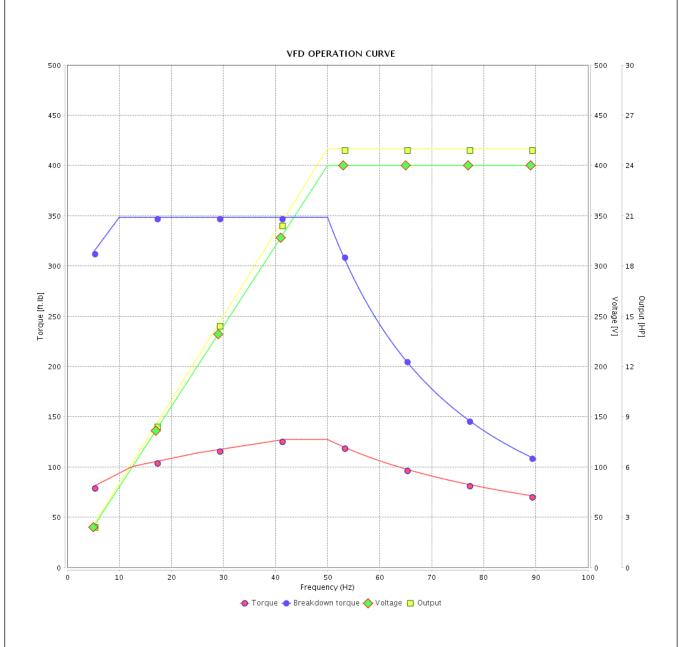
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Performance	: 400 V 50 Hz 6P IE3				
Rated current LRC Rated torque Locked rotor torque Breakdown torque Rated speed	: 35.5 A : 6.7 : 134 ft.lb : 180 % : 260 % : 980 rpm	Moment of Duty cycle Insulation Service fa Temperate Design	class ctor	: 9.56 sq.ft.lb : Cont.(S1) : F : 1.00 : 80 K : B	
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#### Three Phase Induction Motor - Squirrel Cage



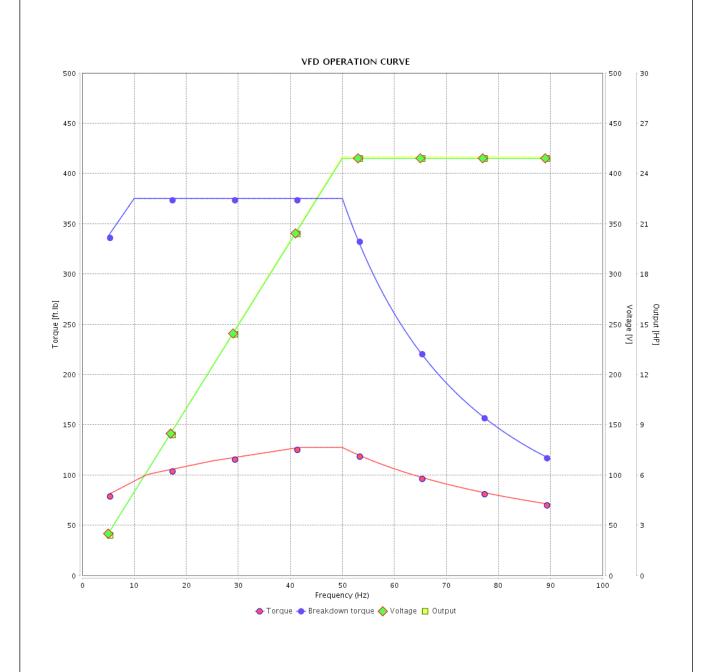
Customer

Product line : W40 NEMA Premium Efficiency

Three-Phase

Product code: 14495602

Catalog #: 03012OT3E326TC-W40



Performance	: 4	15 V 50 Hz 6P IE3				
Rated current	: 34	4.6 A	Moment o	f inertia (J)	: 9.56 sq.ft.lb	
LRC	: 6	.8	Duty cycle	<b>;</b>	: Cont.(S1)	
Rated torque	: 13	34 ft.lb	Insulation	class	: F	
Locked rotor torqu	ie : 20	00 %	Service fa	ctor	: 1.00	
Breakdown torque	: 28	80 %	Temperature rise		: 80 K	
Rated speed	: 98	80 rpm	Design		: B	
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