### **DATA SHEET**

#### Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : W40 NEMA Premium Efficiency Product code : 14495600

Three-Phase

Catalog #: 03012OT3E326T-W40

Frame : 324/6T 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. weight<sup>3</sup> : 234 kg

Protection degree : IP23

Protection degre	Protection degree : IP23   Moment of inertia (J) : 0.4029 kgm²					
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	<b>/</b> 1]	1182	980	980	980	
Slip [%]		1.50	2.00	2.00 2.00		
Rated torque [kgfn	Rated torque [kgfm]		18.5			
	Locked rotor torque [%]		160	180	200	
Breakdown torque	[%]	240	229			
Service factor		1.25	1.00 1.00		1.00	
Temperature rise		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	
Linciency (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 ACIOI	75%	0.79	0.80	0.77	0.75	
	100%	0.82	0.84	0.82	0.81	

Max. compression

Drive end 6312 Z C3 Non drive end 6211 Z C3 Foundation loads Max. traction

Sealing : Without Without

Bearing Seal Bearing Seal al : 20000 h 20000 h

Lubrication interval:20000 h20000 hLubricant amount:21 g11 gLubricant type:Mobil Polyrex EM

Notes

Bearing type

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.

Rev.		Changes Summary	Performed	Checked	Date
Performed by					
Checked by				Page	Revision
Date	11/04/2020			1 / 21	

#### Three Phase Induction Motor - Squirrel Cage



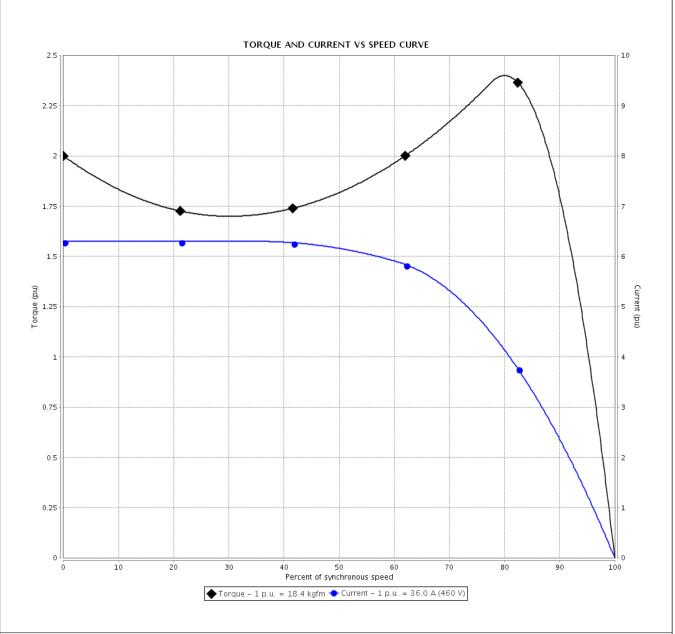
Customer :

Product line : W40 NEMA Premium Efficiency

Three-Phase

Product code: 14495600

Catalog #: 03012OT3E326T-W40



: 230/460 V 60 Hz 6P Performance Rated current : 72.0/36.0 A Moment of inertia (J) : 0.4029 kgm<sup>2</sup> **LRC** : 6.3 Duty cycle : Cont.(S1) : F : 18.4 kgfm Insulation class Rated torque : 200 % Service factor Locked rotor torque : 1.25 Breakdown torque : 240 % Temperature rise : 80 K Rated speed : 1182 rpm Design : B

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

Rev.	Changes Summary		Performed	Checked	Date
Performed by					
Checked by				Page	Revision
Date	11/04/2020			2 / 21	

#### Three Phase Induction Motor - Squirrel Cage



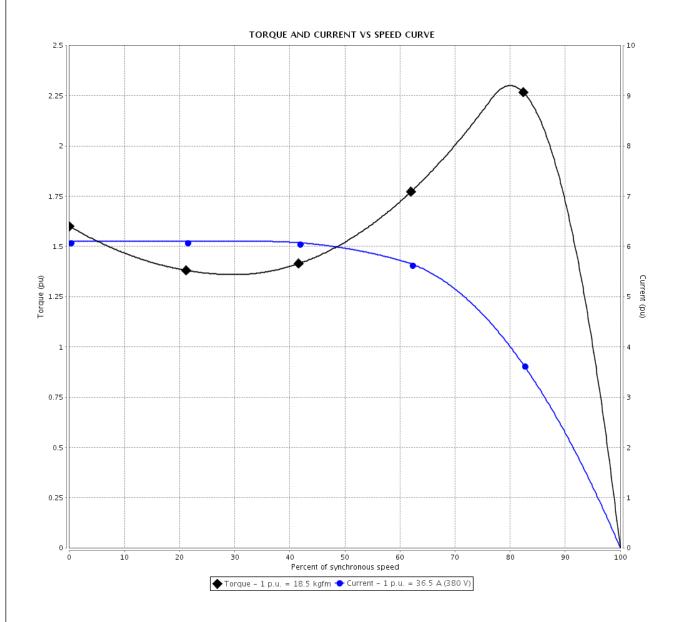
Customer

Product line : W40 NEMA Premium Efficiency

Three-Phase

Product code: 14495600

Catalog #: 03012OT3E326T-W40



Performance : 380 V 50 Hz 6P IE3 Rated current : 36.5 A Moment of inertia (J) : 0.4029 kgm<sup>2</sup> **LRC** : 6.1 Duty cycle : Cont.(S1) Insulation class : F Rated torque : 18.5 kgfm Locked rotor torque : 160 % Service factor : 1.00 : 80 K Breakdown torque : 229 % Temperature rise : B Rated speed : 980 rpm Design

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

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Rev.		Changes Summary	Performed	Checked	Date
Performed by					
Checked by				Page	Revision
Date	11/04/2020			3 / 21	

#### Three Phase Induction Motor - Squirrel Cage



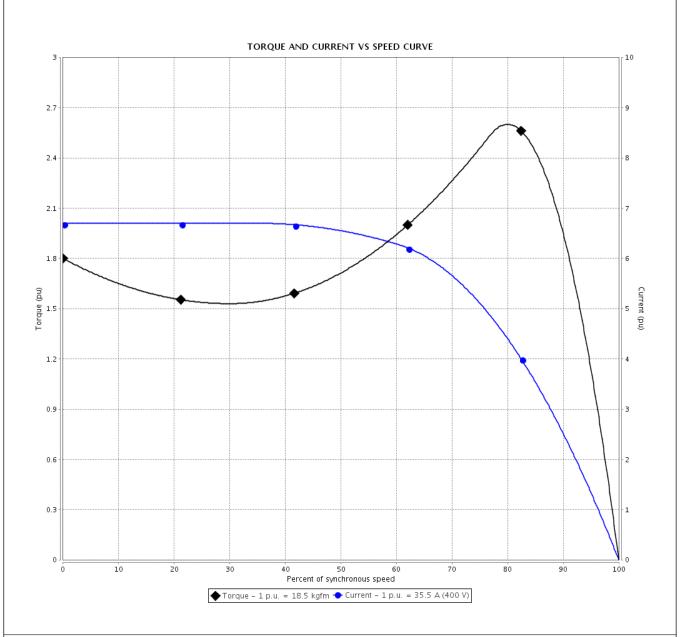
Customer :

Product line : W40 NEMA Premium Efficiency

Three-Phase

Product code: 14495600

Catalog #: 03012OT3E326T-W40



: 400 V 50 Hz 6P IE3 Performance Rated current : 35.5 A Moment of inertia (J) : 0.4029 kgm<sup>2</sup> **LRC** : 6.7 Duty cycle : Cont.(S1) : F : 18.5 kgfm Insulation class Rated torque : 180 % Service factor Locked rotor torque : 1.00 Breakdown torque : 260 % Temperature rise : 80 K Rated speed : 980 rpm Design : B

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

Rev.	Changes Summary		Performed	Checked	Date
Performed by					
Checked by				Page	Revision
Date	11/04/2020			4 / 21	

#### Three Phase Induction Motor - Squirrel Cage

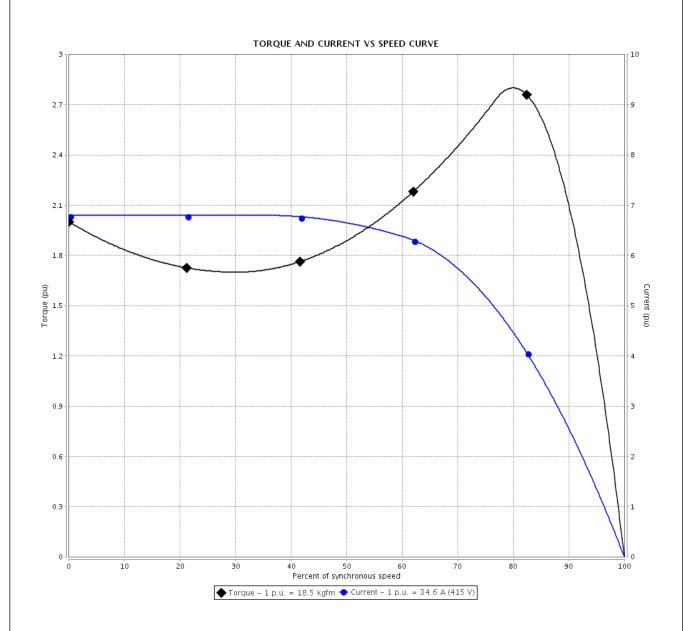


Customer :

Product line : W40 NEMA Premium Efficiency Product code : 14495600

Three-Phase

Catalog #: 03012OT3E326T-W40



Performance	: 415 V 50 Hz 6P IE3		
Rated current	: 34.6 A	Moment of inertia (J)	: 0.4029 kgm²
LRC	: 6.8	Duty cycle	: Cont.(S1)
Rated torque	: 18.5 kgfm	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)		

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

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Rev.		Changes Summary	Performed	Checked	Date
Performed by					
Checked by				Page	Revision
Date	11/04/2020			5 / 21	

#### Three Phase Induction Motor - Squirrel Cage



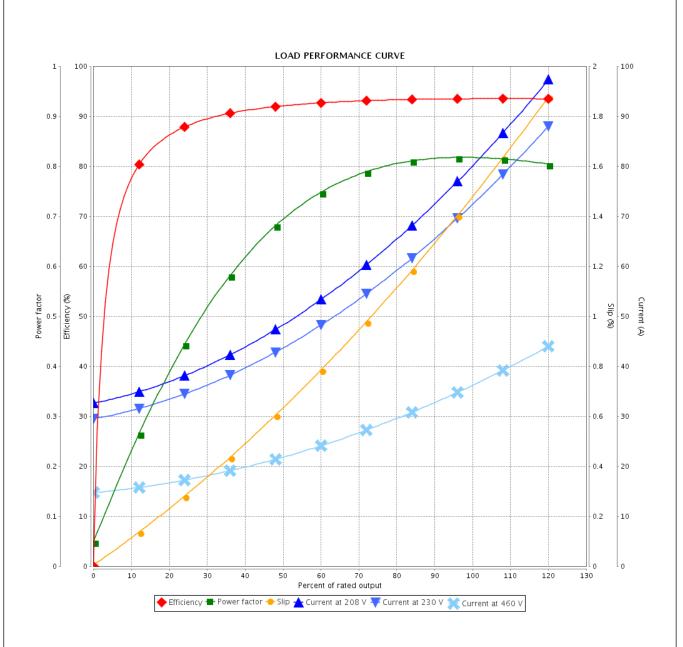
Customer :

Product line : W40 NEMA Premium Efficiency

Three-Phase

Product code: 14495600

Catalog #: 03012OT3E326T-W40



Performance	: 230/460 V 60 Hz 6P				
Rated current LRC Rated torque Locked rotor torque Breakdown torque Rated speed	: 72.0/36.0 A : 6.3 : 18.4 kgfm : 200 % : 240 % : 1182 rpm	Moment of iner Duty cycle Insulation class Service factor Temperature ri Design	8	: 0.4029 kgm² : Cont.(S1) : F : 1.25 : 80 K : B	
Rev.	Changes Summary	P	erformed	Checked	Date
Performed by					
Checked by				Page	Revision

6/21

11/04/2020

Date

#### Three Phase Induction Motor - Squirrel Cage



Customer

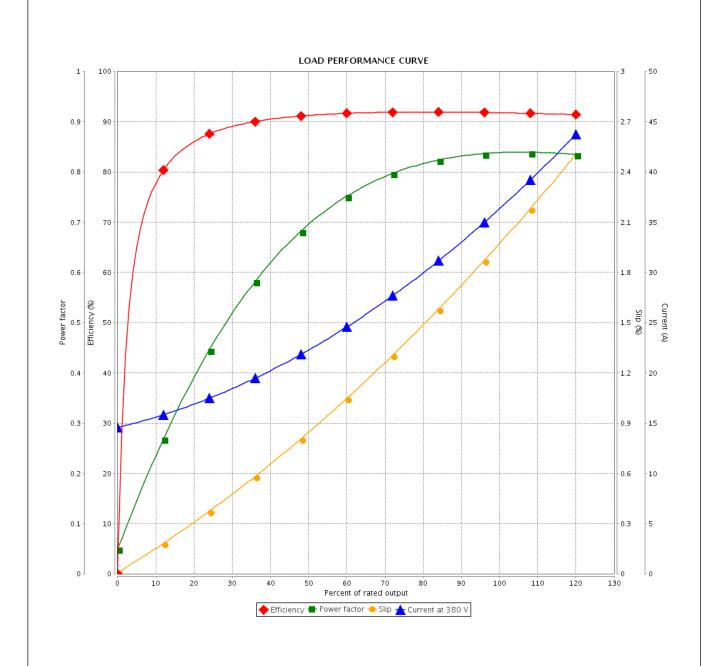
Product line : W40 NEMA Premium Efficiency Product code :

Three-Phase

roduct code: 14495600

Catalog #: 03012OT3E326T-W40

7/21



Performance	: 380 V 50 Hz 6P IE3				
Rated current LRC Rated torque Locked rotor torque Breakdown torque Rated speed	: 36.5 A : 6.1 : 18.5 kgfm : 160 % : 229 % : 980 rpm	Moment of Duty cycle Insulation Service fa Temperati Design	class actor	: 0.4029 kgm : Cont.(S1) : F : 1.00 : 80 K : B	2
Rev.	Changes Summary	<u>'</u>	Performed	Checked	Date
Performed by					
Checked by				Page	Revision

11/04/2020

Date

#### Three Phase Induction Motor - Squirrel Cage



Revision

Page

8 / 21

Customer :

Checked by

Date

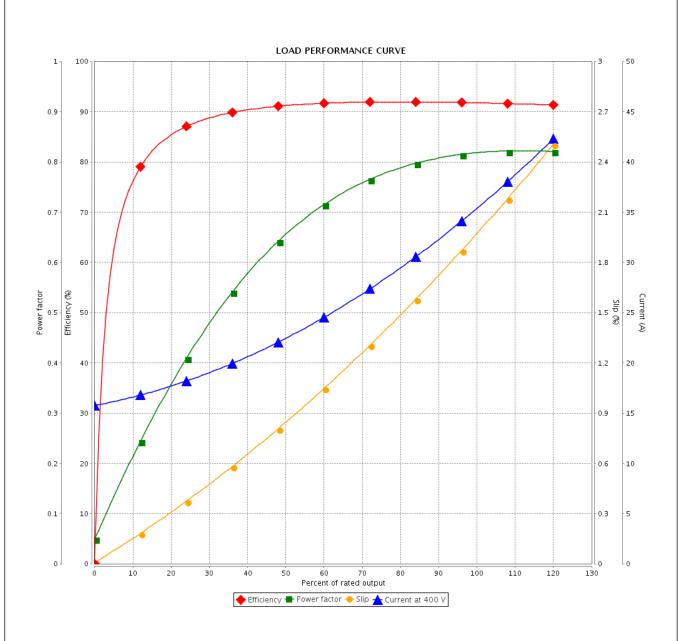
11/04/2020

Product line : W40 NEMA Premium Efficiency

Three-Phase

Product code: 14495600

Catalog #: 03012OT3E326T-W40



Performance	: 400 V 50 Hz 6P IE3				
Rated current	: 35.5 A	Moment of inertia (J)		: 0.4029 kgm²	
LRC	: 6.7	Duty cycle	<b>;</b>	: Cont.(S1)	
Rated torque	: 18.5 kgfm	Insulation	class	: F	
Locked rotor torque	: 180 %	Service factor Temperature rise		: 1.00	
Breakdown torque	: 260 %			: 80 K	
Rated speed	: 980 rpm	Design		: B	
Rev.	Changes Summary		Performed	Checked	Date
Performed by					

#### Three Phase Induction Motor - Squirrel Cage

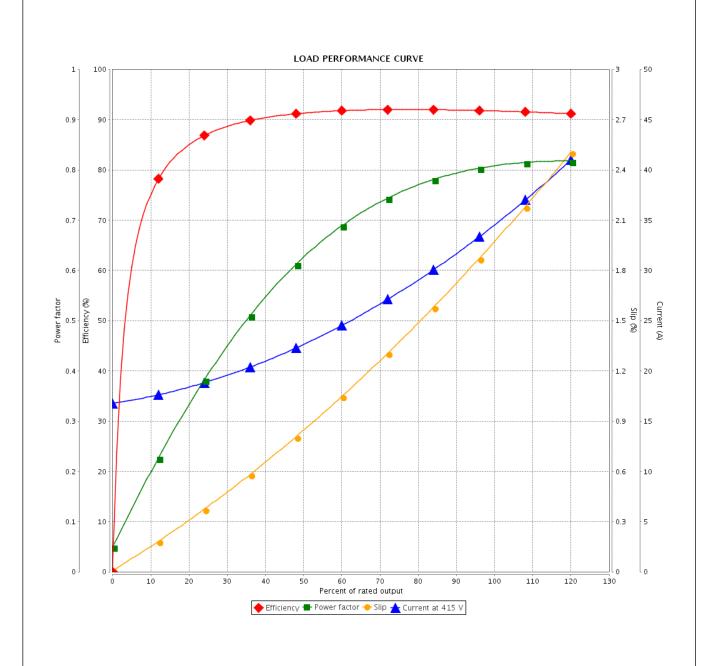


Customer

Product line : W40 NEMA Premium Efficiency

Product code: 14495600

Catalog #: 03012OT3E326T-W40



Performance	: 4	115 V 50 Hz 6P IE3				
Rated current	urrent : 34.6 A Moment of inertia (		f inertia (J)	: 0.4029 kgm²	2	
LRC	: 6	.8	Duty cycle	)	: Cont.(S1)	
Rated torque	: 1	8.5 kgfm	Insulation	class	: F	
Locked rotor torqu	ie : 2	00 %	Service fa	ctor	: 1.00	
Breakdown torque	: 2	80 %	Temperature rise		: 80 K	
Rated speed	: 9	80 rpm	Design		: B	
Rev.		Changes Summary	1	Performed	Checked	Date
Performed by						
Checked by					Page	Revision
Date	11/04/2020				9 / 21	

### Three Phase Induction Motor - Squirrel Cage

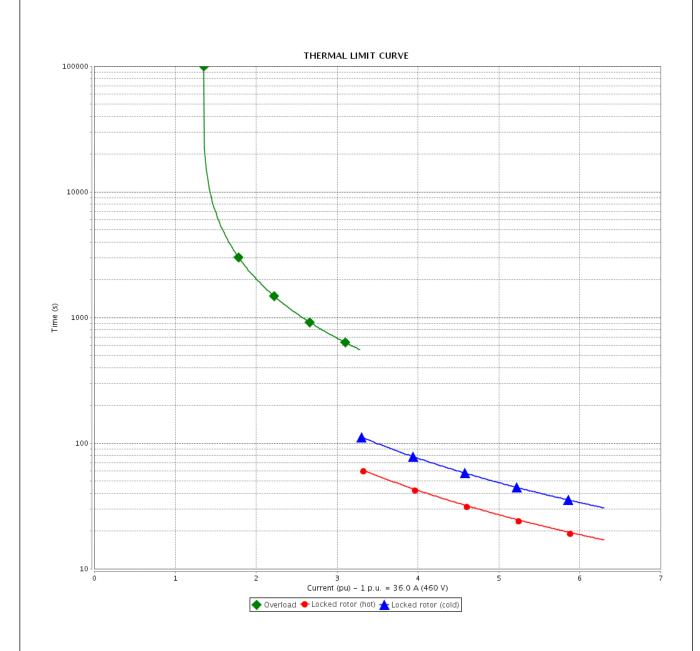


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Product line		N40 NEMA Premium Effici nree-Phase	ency	Product code :	14495600	
	''	iice-riiase		Catalog # :	03012OT3E3	326T-W40
Performance		30/460 V 60 Hz 6P	T			
Rated current LRC	: 72 : 6.	2.0/36.0 A 3	Moment of Duty cycle	f inertia (J)	: 0.4029 kgm² : Cont.(S1)	
Rated torque	: 18	3.4 kgfm	Insulation	class	: F	
Locked rotor torque Breakdown torque		00 % 40 %	Service fa Temperatu		: 1.25 : 80 K	
Rated speed		182 rpm	Design	110 H30	: B	
Heating constant						
Cooling constant						
Rev.		Changes Summary		Performed	Checked	Date
Dorformed by						
Performed by Checked by					Page	Revision
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#### Three Phase Induction Motor - Squirrel Cage



Customer



Rev.		Changes Summary	Performed	Checked	Date
Performed by					
Checked by				Page	Revision
Date	11/04/2020			11 / 21	

### Three Phase Induction Motor - Squirrel Cage

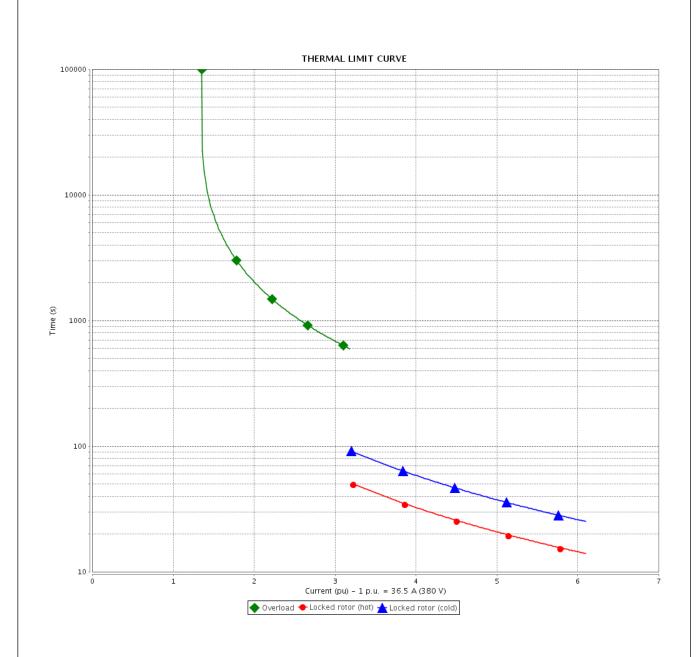


Customer		:				
Product line		: W40 NEMA Premium Effici Three-Phase		Product code : Catalog # :	14495600 03012OT3E3	26T-W40
Performance	:	: 380 V 50 Hz 6P IE3				
Rated current LRC		: 36.5 A : 6.1	Moment of Duty cycle	of inertia (J)	: 0.4029 kgm² : Cont.(S1)	
Rated torque	:	: 18.5 kgfm	Insulation Service fa	class	: F : 1.00	
Locked rotor tord Breakdown torqu	ue :	: 160 % : 229 %	Temperati		: 80 K	
Rated speed		: 980 rpm	Design		: B	
Heating constan						
Cooling constant	l	Changes Summary		Performed	Checked	Date
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Performed by					I	
Checked by					Page	Revision
Date	11/04/2020				12 / 21	

#### Three Phase Induction Motor - Squirrel Cage



Customer



Rev.		Changes Summary	Performed	Checked	Date
Performed by					
Checked by				Page	Revision
Date	11/04/2020			13 / 21	

### Three Phase Induction Motor - Squirrel Cage

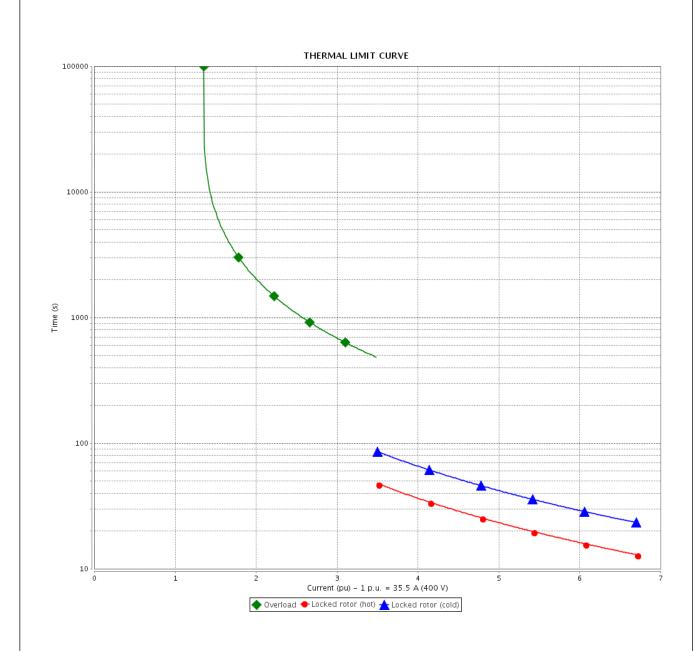


Customer		:				
Product line		: W40 NEMA Premium Efficion Three-Phase		Product code :	14495600 03012OT3E3	26T-W40
				Satalog # .	03012013E3.	201-9940
Performance Rated current LRC Rated torque Locked rotor torque Breakdown torque Rated speed Heating constant Cooling constant	: : : : : : : : : : :	400 V 50 Hz 6P IE3 35.5 A 6.7 18.5 kgfm 180 % 260 % 980 rpm	Moment of Duty cycle Insulation Service far Temperatu Design	class	: 0.4029 kgm² : Cont.(S1) : F : 1.00 : 80 K : B	
Rev.		Changes Summary		Performed	Checked	Date
Performed by Checked by	11/04/2020				Page 14 / 21	Revision

#### Three Phase Induction Motor - Squirrel Cage



Customer



Rev.		Changes Summary	Performed	Checked	Date
Performed by					
Checked by				Page	Revision
Date	11/04/2020			15 / 21	

### Three Phase Induction Motor - Squirrel Cage

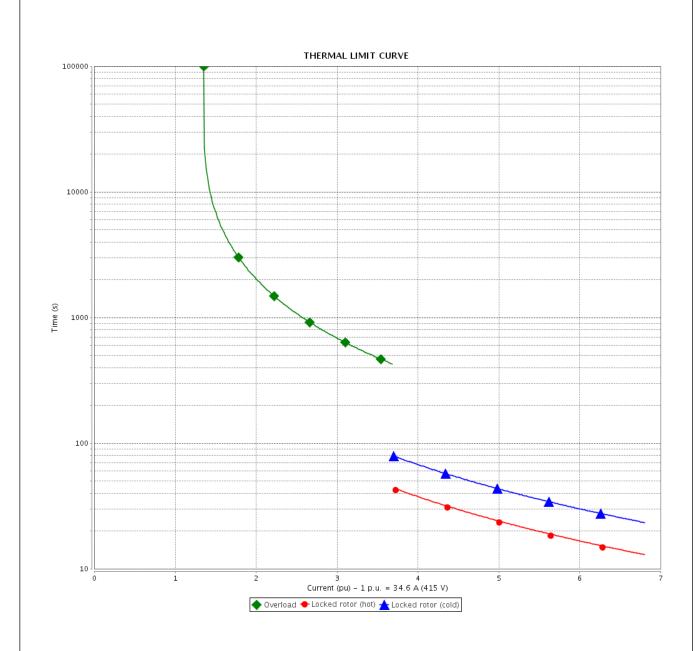


Customer		:				
Product line		: W40 NEMA Premium Efficie Three-Phase		Product code : Catalog # :	14495600 03012OT3E32	26T-W40
Performance		415 V 50 Hz 6P IE3				
Rated current LRC Rated torque Locked rotor tord	: : : que	34.6 A 6.8 18.5 kgfm 200 % 280 %	Duty cycle Insulation Service fa	class ctor	: 0.4029 kgm² : Cont.(S1) : F : 1.00 : 80 K	
Breakdown torqu Rated speed		980 rpm	Temperatu Design	11 C 113C	: B	
Heating constant						
Cooling constant Rev.	l	Changes Summary		Performed	Checked	Date
Performed by Checked by					Page	Revision
Date	11/04/2020				16 / 21	INCAISIOII

#### Three Phase Induction Motor - Squirrel Cage



Customer



Rev.		Changes Summary	Performed	Checked	Date
Performed by					
Checked by				Page	Revision
Date	11/04/2020			17 / 21	

#### Three Phase Induction Motor - Squirrel Cage



Customer :

Date

11/04/2020

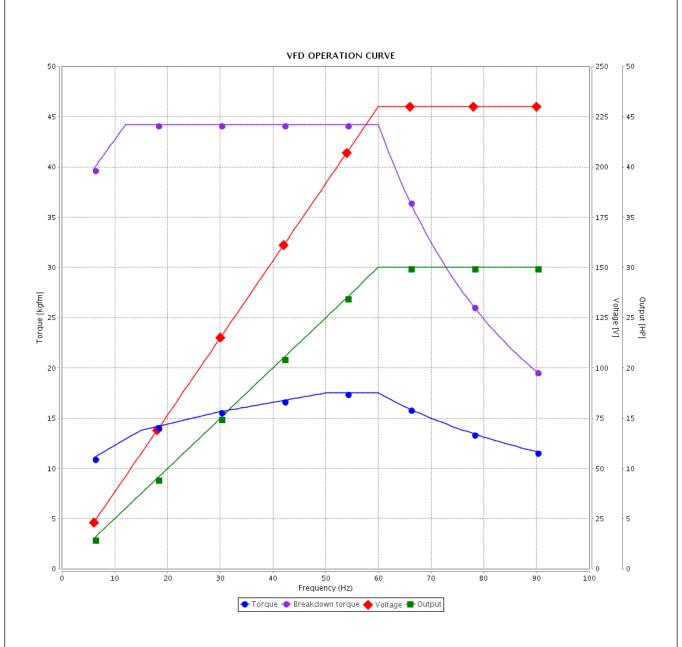
Product line : W40 NEMA Premium Efficiency

Three-Phase

Product code: 14495600

Catalog #: 03012OT3E326T-W40

18/21



Performance : 230/460 V 60 Hz 6P : 72.0/36.0 A : 0.4029 kgm<sup>2</sup> Rated current Moment of inertia (J) **LRC** Duty cycle : Cont.(S1) : 6.3 Insulation class : 18.4 kgfm : F Rated torque Locked rotor torque : 200 % Service factor : 1.25 Breakdown torque : 240 % Temperature rise : 80 K Rated speed : 1182 rpm Design : B Rev. Performed Checked Date **Changes Summary** Performed by Checked by Revision Page

#### Three Phase Induction Motor - Squirrel Cage



Customer

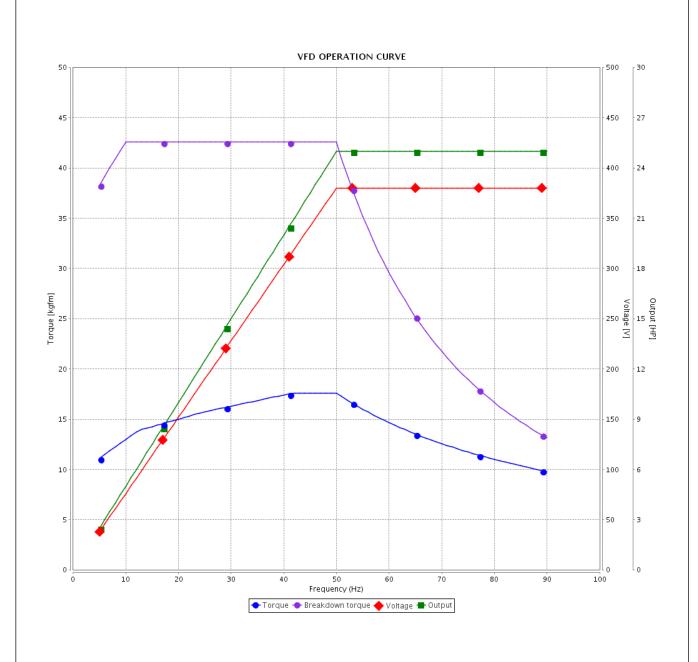
Product line : W40 NEMA Premium Efficiency Product

Three-Phase

Product code: 14495600

Catalog #: 03012OT3E326T-W40

19/21



Performance	: 380 V 50 Hz 6P IE3				
Rated current LRC Rated torque Locked rotor torque Breakdown torque Rated speed	: 36.5 A : 6.1 : 18.5 kgfm : 160 % : 229 % : 980 rpm	Moment of inertia (J) Duty cycle Insulation class Service factor Temperature rise Design		: 0.4029 kgm² : Cont.(S1) : F : 1.00 : 80 K : B	
Rev.	Changes Summary		Performed	Checked	Date
Performed by Checked by				Page	Revision

11/04/2020

Date

#### Three Phase Induction Motor - Squirrel Cage



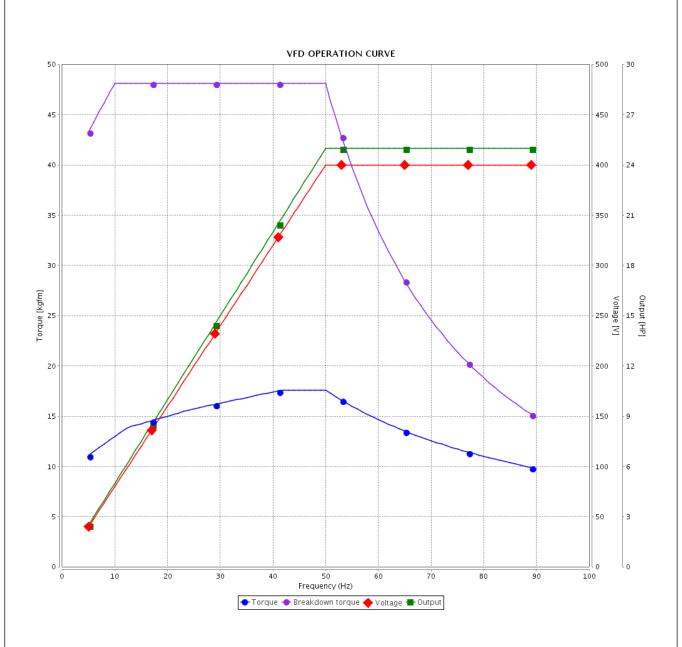
Customer :

Product line : W40 NEMA Premium Efficiency

Three-Phase

Product code: 14495600

Catalog #: 03012OT3E326T-W40



Performance	: 400 V 50 Hz 6P IE3				
Rated current	: 35.5 A	Moment of	f inertia (J)	: 0.4029 kgm²	
LRC	: 6.7	Duty cycle	<b>;</b>	: Cont.(S1)	
Rated torque	: 18.5 kgfm	Insulation	class	: F	
Locked rotor torque	: 180 %	Service factor		: 1.00	
Breakdown torque	: 260 %	Temperature rise		: 80 K	
Rated speed	: 980 rpm	Design		: B	
Rev.	Changes Summary		Performed	Checked	Date
Performed by					
Checked by				Page	Revision

20 / 21

11/04/2020

Date

#### Three Phase Induction Motor - Squirrel Cage



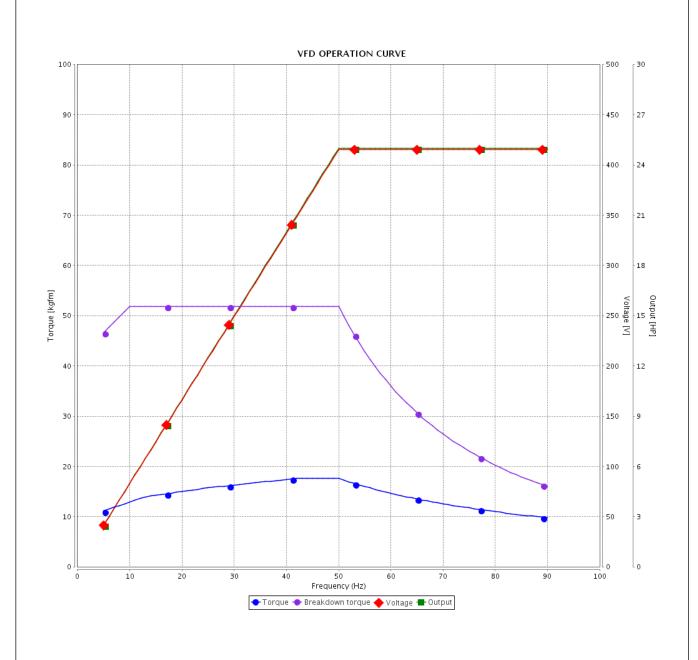
Customer

Product line : W40 NEMA Premium Efficiency

Three-Phase

Product code: 14495600

Catalog #: 03012OT3E326T-W40



Performance	: 4	15 V 50 Hz 6P IE3				
Rated current : 3		4.6 A	6 A Moment of inertia (J)		: 0.4029 kgm²	
LRC	: 6	.8	Duty cycle	)	: Cont.(S1)	
Rated torque	:1	8.5 kgfm	Insulation	class	: F	
Locked rotor torqu	ıe : 2	00 %	Service fa	ctor	: 1.00	
Breakdown torque			ıre rise	: 80 K		
Rated speed	: 9	80 rpm	Design		: B	
Rev.		Changes Summary		Performed	Checked	Date
Performed by						
Checked by		-			Page	Revision
Date	11/04/2020				21 / 21	