DATA SHEET

Three Phase Induction Motor - Squirrel Cage



93.9

93.9

0.42

0.68

0.79

0.84

Customer

Product line : W40 NEMA Premium Efficiency Product code: 14285128

Three-Phase

06018OT3E364T-W40G Catalog #:

Frame : 364/5T Cooling method : IC01 - ODP

Insulation class Mounting : F-1

Duty cycle : Cont.(S1) Rotation¹ : Both (CW and CCW) : -20°C to +40°C Ambient temperature Starting method : Direct On Line

Altitude : 1000 m.a.s.l. Approx. weight³ : 745 lb

				, .pp. 5 1. 5.5			
Protection degre	е	: IP23	Moment of inc	ertia (J) : 15.6	sq.ft.lb		
Design		: B					
Output [HP]		60	50	50	50		
Poles		4	4	4	4		
Frequency [Hz]		60	50	50	50		
Rated voltage [V]		230/460	380	400	415		
Rated current [A]		140/69.9	69.6	66.9	65.3		
L. R. Amperes [A]		909/454	473	482	457		
LRC [A]		6.5x(Code G)	6.8x(Code G)	7.2x(Code H)	7.0x(Code H)		
No load current [A]	49.4/24.7	24.4	26.2	27.7		
Rated speed [RPN	/ 1]	1780	1480	1480	1485		
Slip [%]		1.11	1.33	1.33	1.00		
Rated torque [ft.lb]]	177	177	177	177		
Locked rotor torqu	e [%]	200	200	220	240		
Breakdown torque	[%]	240	229	250	270		
Service factor		1.25	1.00	1.00	1.00		
Temperature rise		80 K	80 K	80 K	80 K		
Locked rotor time		34s (cold) 19s (hot)	32s (cold) 18s (hot)	30s (cold) 17s (hot)	28s (cold) 16s (hot)		
Noise level ²		69.0 dB(A)					
	25%	94.4	93.4	93.4	93.4		
Efficiency (9/)	50%	94.5	93.5	93.5	93.5		
Efficiency (%)	75%	95.0	93.9	93.9	93.9		

93.9

93.9

0.49

0.74

0.83

0.86

Drive end Non drive end Foundation loads

Bearing type 6314 C3 6212 Z C3 Max. traction : 1263 lb Sealing Without Without Max. compression : 2008 lb

95.0

95.0

0.48

0.73

0.82

0.85

Bearing Seal Bearing Seal 20000 h Lubrication interval

20000 h Lubricant amount 13 g 27 g Mobil Polyrex EM Lubricant type

Notes

Power Factor

USABLE @208V 155A SF 1.15 SFA 178A

75%

100%

25%

50%

75%

100%

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.

93.9

93.9

0.45

0.71

0.81

0.85

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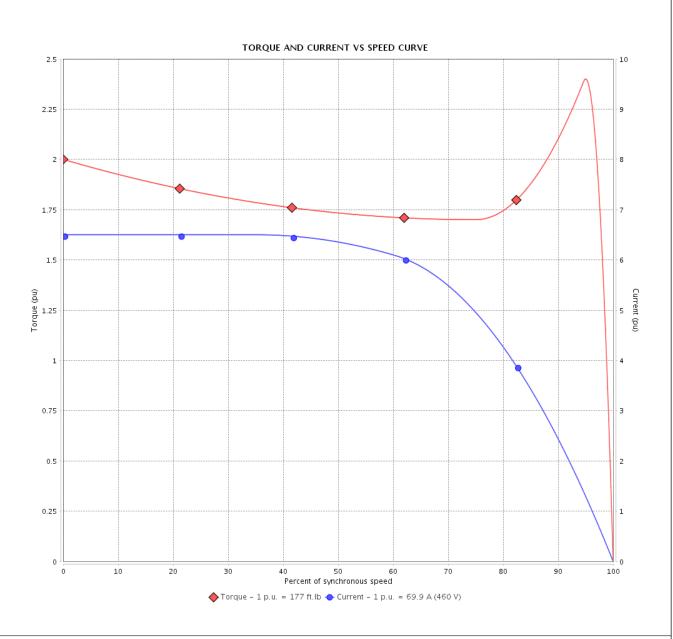
Customer :

Product line : W40 NEMA Premium Efficiency

Three-Phase

Product code: 14285128

Catalog #: 06018OT3E364T-W40G



Performance : 230/460 V 60 Hz 4P Rated current : 140/69.9 A Moment of inertia (J) : 15.6 sq.ft.lb **LRC** : 6.5 Duty cycle : Cont.(S1) : 177 ft.lb Insulation class Rated torque : F Service factor Locked rotor torque : 200 % : 1.25 Breakdown torque : 240 % Temperature rise : 80 K Rated speed : 1780 rpm Design : B

Locked rotor time : 34s (cold) 19s (hot)

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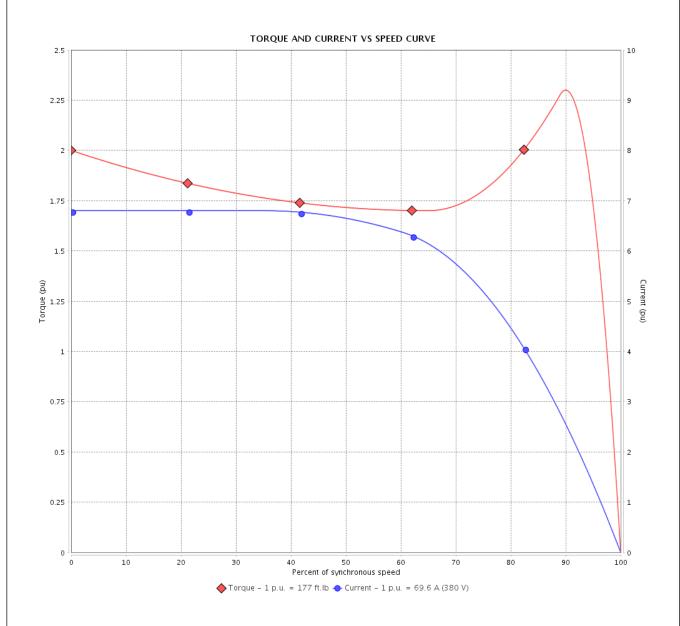
Customer

Product line : W40 NEMA Premium Efficiency Product

Three-Phase

Product code: 14285128

Catalog #: 06018OT3E364T-W40G



Performance	: 380 V 50 Hz 4P IE3			
Rated current	: 69.6 A	Moment of inertia (J)	: 15.6 sq.ft.lb	
LRC	: 6.8	Duty cycle	: Cont.(S1)	
Rated torque	: 177 ft.lb	Insulation class	: F	
Locked rotor torque	: 200 %	Service factor	: 1.00	
Breakdown torque	: 229 %	Temperature rise	: 80 K	
Rated speed	: 1480 rpm	Design	: B	
Locked rotor time	: 32s (cold) 18s (hot)			

Locked rotor time : 32s (cold) 18s (hot)

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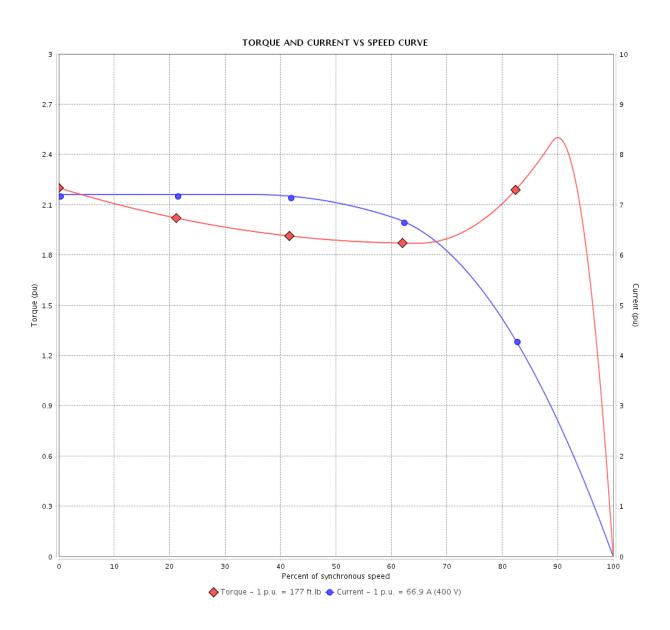
Customer :

Product line : W40 NEMA Premium Efficiency

Three-Phase

Product code: 14285128

Catalog #: 06018OT3E364T-W40G



: 400 V 50 Hz 4P IE3 Performance Rated current : 66.9 A Moment of inertia (J) : 15.6 sq.ft.lb **LRC** : 7.2 Duty cycle : Cont.(S1) : 177 ft.lb Insulation class Rated torque : F Service factor Locked rotor torque : 220 % : 1.00 Breakdown torque : 250 % Temperature rise : 80 K Rated speed : 1480 rpm Design : B

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

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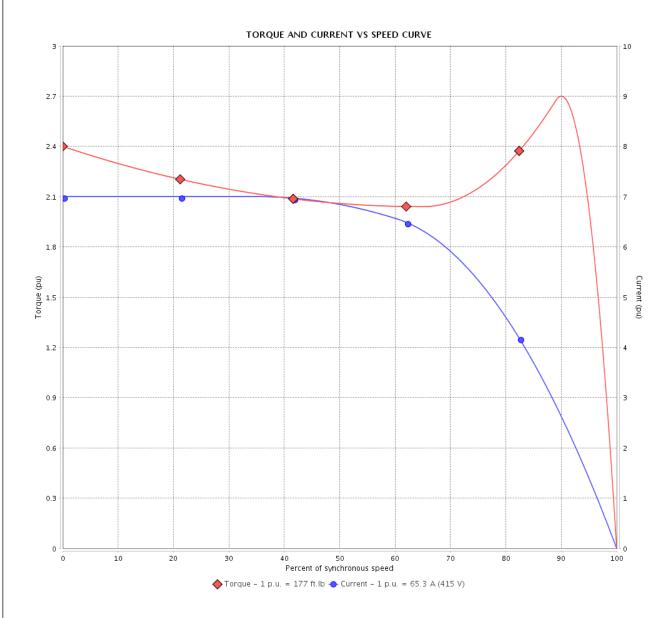
Customer

Product line : W40 NEMA Premium Efficiency Product code:

Three-Phase

14285128

Catalog #: 06018OT3E364T-W40G



Performance	: 415 V 50 Hz 4P IE3			
Rated current	: 65.3 A	Moment of inertia (J)	: 15.6 sq.ft.lb	
LRC	: 7.0	Duty cycle	: Cont.(S1)	
Rated torque	: 177 ft.lb	Insulation class	: F	
Locked rotor torque	: 240 %	Service factor	: 1.00	
Breakdown torque	: 270 %	Temperature rise	: 80 K	
Rated speed	: 1485 rpm	Design	: B	
Locked rotor time	: 28s (cold) 16s (hot)			

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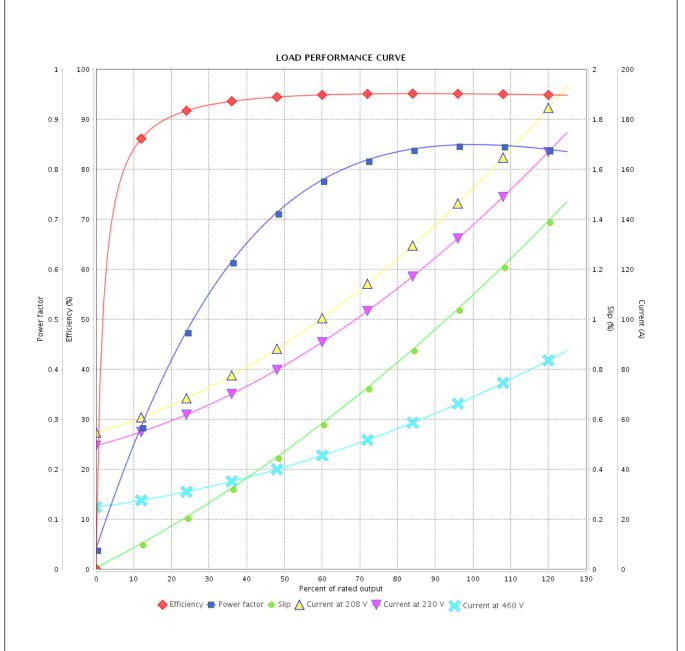
Product line : W40 NEMA Premium Efficiency

Three-Phase

Product code: 14285128

Catalog #: 06018OT3E364T-W40G

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Performance	: 230/460 V 60 Hz 4P				
Rated current LRC Rated torque Locked rotor torque Breakdown torque Rated speed	: 140/69.9 A : 6.5 : 177 ft.lb : 200 % : 240 % : 1780 rpm	Moment of Duty cycle Insulation Service fa Temperatu Design	class actor	: 15.6 sq.ft.lb : Cont.(S1) : F : 1.25 : 80 K : B	
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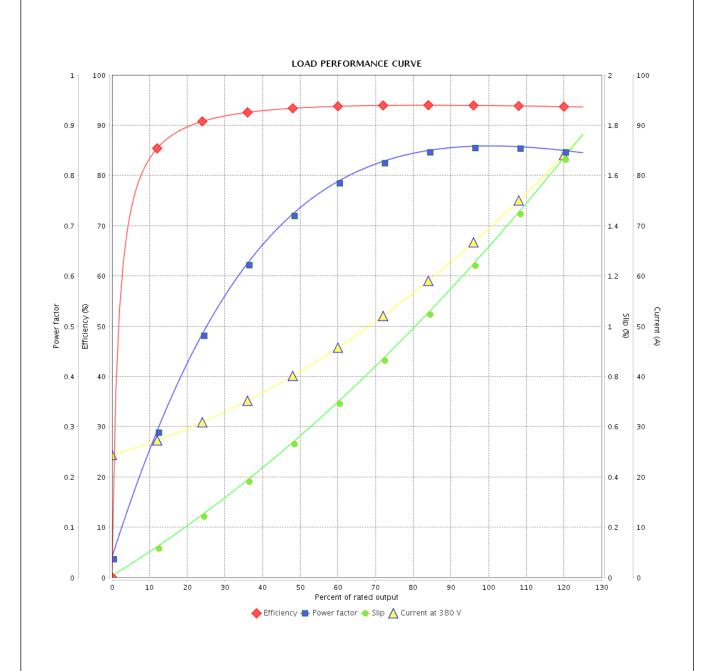


Customer

Product line : W40 NEMA Premium Efficiency Product code: 14285128

Three-Phase

06018OT3E364T-W40G Catalog #:



Performance	: 3	380 V 50 Hz 4P IE3				
Rated current	: 6	69.6 A	Moment o	f inertia (J)	: 15.6 sq.ft.lb	
LRC	: 6	3.8	Duty cycle)	: Cont.(S1)	
Rated torque	: 1	177 ft.lb	Insulation	class	: F	
Locked rotor torqu	e : 2	200 %	Service fa	ctor	: 1.00	
		229 %	Temperati	ıre rise	: 80 K	
Rated speed	: 1	1480 rpm	Design		: B	
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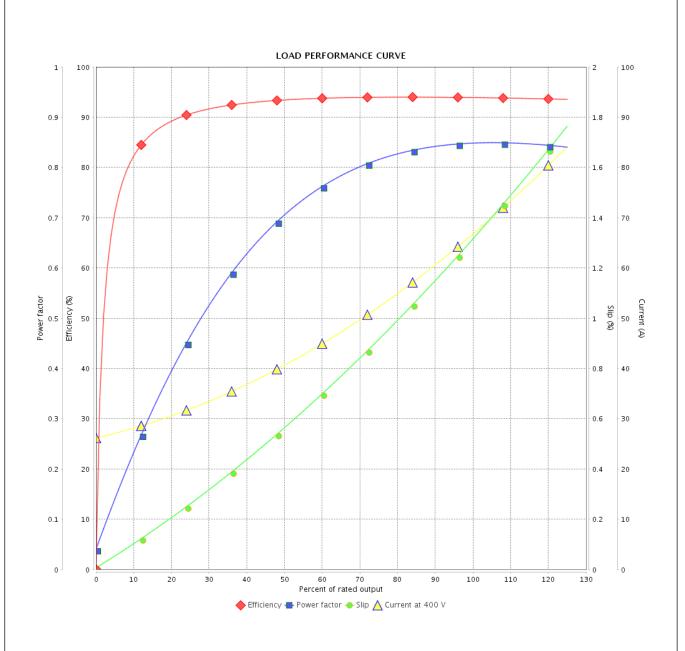
Product line : W40 NEMA Premium Efficiency

Three-Phase

Product code: 14285128

Catalog #: 06018OT3E364T-W40G

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Performance	: 400 V 50 Hz 4P IE3				
Performance	. 400 V 50 HZ 4P IE3				
Rated current	: 66.9 A	Moment of i	nertia (J)	: 15.6 sq.ft.lb	
LRC	: 7.2	Duty cycle		: Cont.(S1)	
Rated torque	: 177 ft.lb	Insulation cl	ass	: F	
Locked rotor torque	: 220 %	Service fact	or	: 1.00	
Breakdown torque	: 250 %	Temperature rise		: 80 K	
Rated speed	: 1480 rpm	Design		: B	
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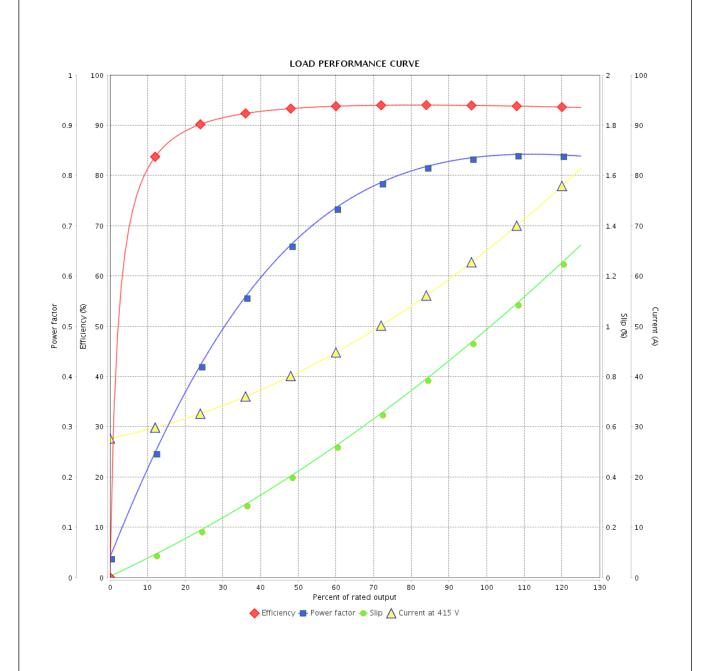
Customer

Product line : W40 NEMA Premium Efficiency Product code:

Three-Phase

06018OT3E364T-W40G Catalog #:

14285128



Performance	: 4	115 V 50 Hz 4P IE3				
Rated current	: 6	65.3 A	Moment o	f inertia (J)	: 15.6 sq.ft.lb	
LRC	: 7	7.0	Duty cycle)	: Cont.(S1)	
Rated torque	: 1	177 ft.lb	Insulation	class	: F	
Locked rotor tord	que : 2	240 %	Service fa	ctor	: 1.00	
Breakdown torque		270 %	Temperati	Temperature rise		
Rated speed	: 1	1485 rpm	Design		: B	
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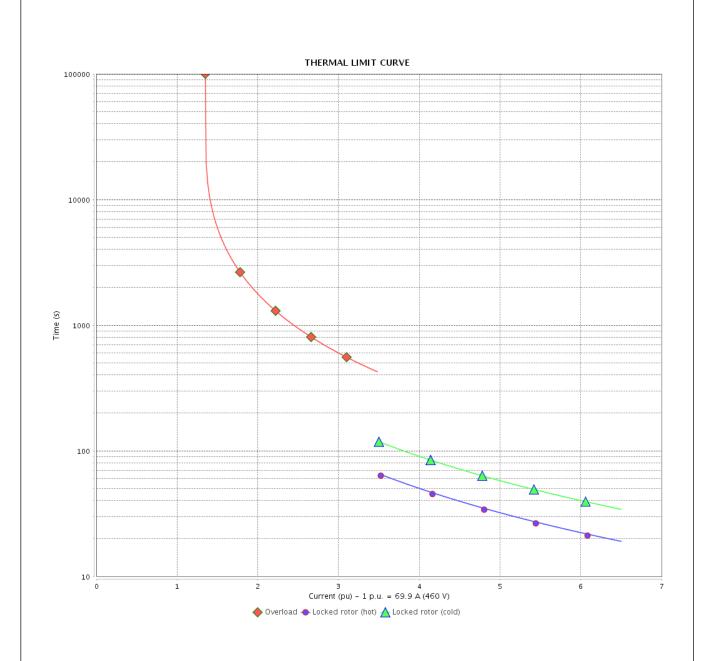


Customer		:				
Product line		: W40 NEMA Premium Effici Three-Phase		Product code :	14285128 06018OT3E3	64T-W40G
Performance		230/460 V 60 Hz 4P		.		
Rated current LRC	:	140/69.9 A 6.5	Duty cycle		: 15.6 sq.ft.lb : Cont.(S1)	
Rated torque		177 ft.lb	Insulation		: F : 1.25	
Locked rotor tord Breakdown torqu		200 % 240 %	Service fa Temperati		: 1.25 : 80 K	
Rated speed		1780 rpm	Design		: B	
Heating constant						
Cooling constant	t .	Changes Commercial		Doute were and	Chasks I	Data
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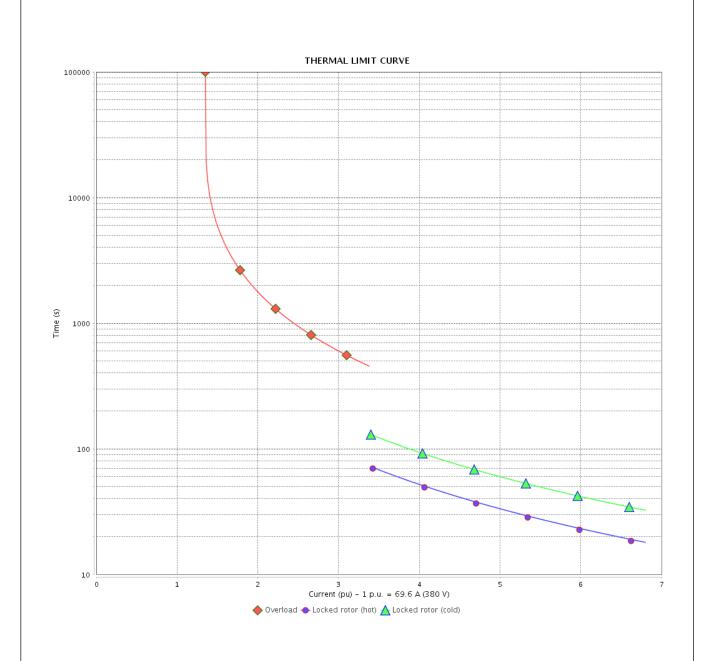


Customer		:				
Product line		: W40 NEMA Premium Efficion Three-Phase		Product code : Catalog # :	14285128 06018OT3E36	64T-W40G
Performance	:	380 V 50 Hz 4P IE3				
Rated current LRC Rated torque	:	69.6 A 6.8 177 ft.lb	Moment on Duty cycle Insulation		: 15.6 sq.ft.lb : Cont.(S1) : F	
Locked rotor tord Breakdown torqu	que :	200 % 229 %	Service fa Temperatu	ctor	: 1.00 : 80 K	
Rated speed	:	1480 rpm	Design	2.3 1100	: B	
Heating constant Cooling constant						
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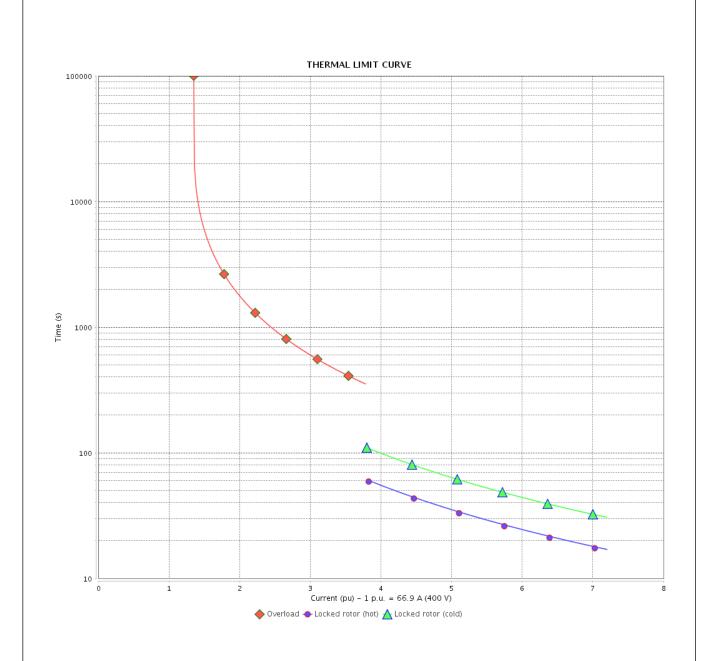


Customer	:					
Product line		N40 NEMA Premium Effici	ency I	Product code :	14285128	
	Ti	nree-Phase	(Catalog # :	06018OT3E3	64T-W40G
Performance		00 V 50 Hz 4P IE3				
Rated current LRC	: 66 : 7.	6.9 A 2	Moment of Duty cycle	f inertia (J)	: 15.6 sq.ft.lb : Cont.(S1)	
Rated torque	: 17	77 ft.lb	Insulation	class	: F	
Locked rotor torque Breakdown torque		20 % 50 %	Service far Temperatu		: 1.00 : 80 K	
Rated speed		180 rpm	Design	110 H3C	: B	
Heating constant						
Cooling constant						
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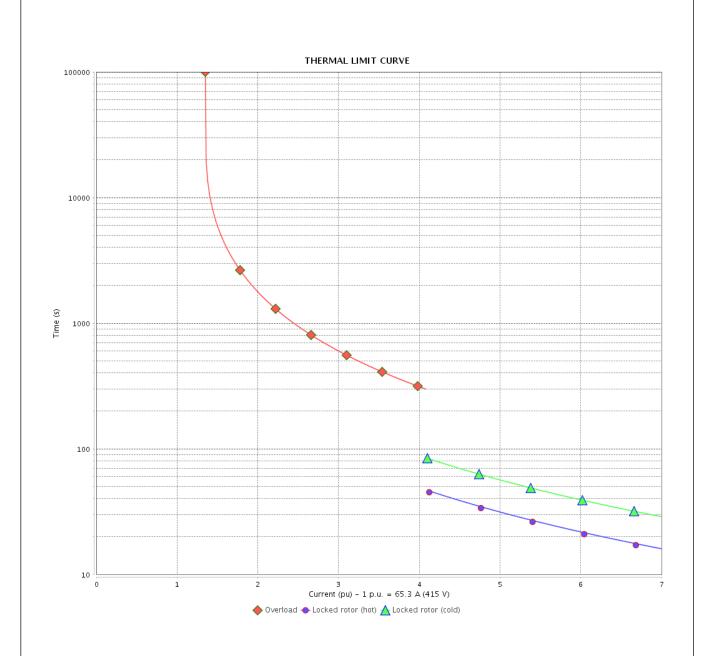


Customer		:				
Product line		: W40 NEMA Premium Efficient		Product code : Catalog # :	14285128 06018OT3E3	64T-W40G
				-		
Performance	·	: 415 V 50 Hz 4P IE3				
Rated current LRC		: 65.3 A : 7.0	Moment of Duty cycle	f inertia (J)	: 15.6 sq.ft.lb : Cont.(S1)	
Rated torque		: 177 ft.lb	Insulation	class	: F	
Locked rotor tord Breakdown torqu		: 240 % : 270 %	Service fa Temperati		: 1.00 : 80 K	
Rated speed		: 1485 rpm	Design	uic iise	: B	
Heating constan						
Cooling constan	t					
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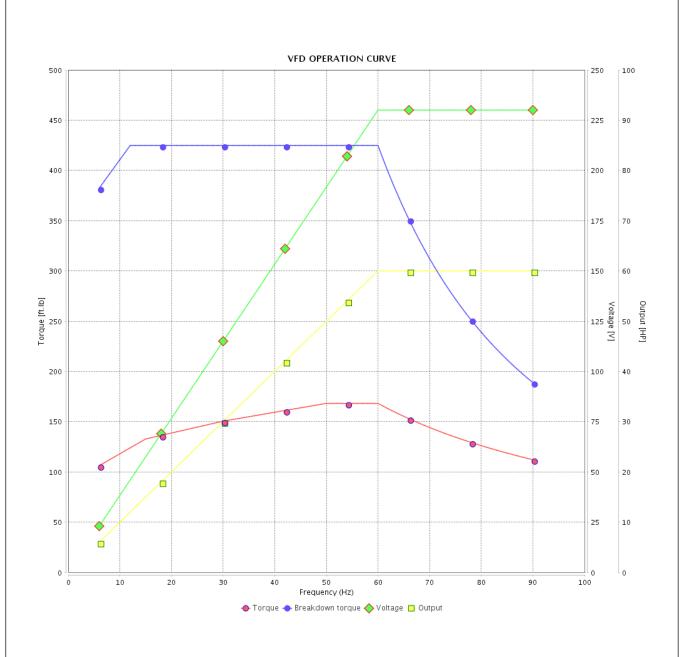
Product line : W40 NEMA Premium Efficiency

Three-Phase

Product code: 14285128

Catalog #: 06018OT3E364T-W40G

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	·				·	
Performance	:	230/460 V 60 Hz 4	Р			
Rated current LRC Rated torque Locked rotor tord Breakdown torqu Rated speed			: 15.6 sq.ft.lb : Cont.(S1) : F : 1.25 : 80 K : B			
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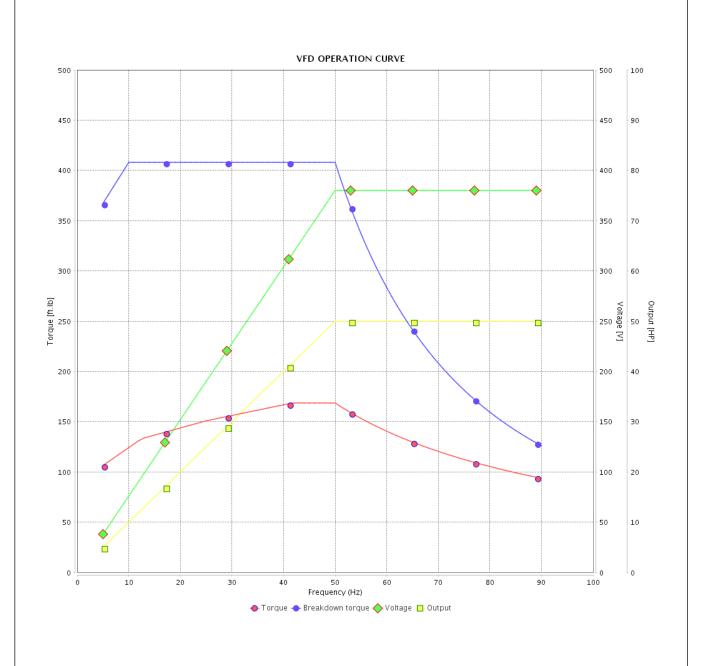
Customer

Product line : W40 NEMA Premium Efficiency Product co

Three-Phase

Product code: 14285128

Catalog #: 06018OT3E364T-W40G



Performance	: 3	80 V 50 Hz 4P IE3				
Rated current	: 6	9.6 A	6 A Moment of inertia (J)		: 15.6 sq.ft.lb	
LRC	: 6	.8	Duty cycle	;	: Cont.(S1)	
Rated torque	: 1	77 ft.lb	Insulation	class	: F	
Locked rotor torqu	ie : 2	00 %	Service fa	ctor	: 1.00	
Breakdown torque	: 2	29 %	Temperature rise		: 80 K	
Rated speed	: 1	480 rpm	Design		: B	
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Three Phase Induction Motor - Squirrel Cage



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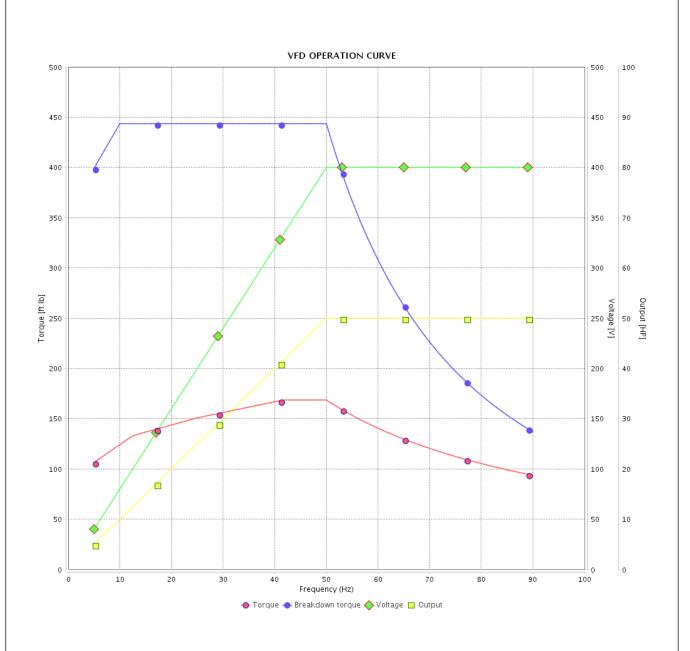
Product line : W40 NEMA Premium Efficiency

Three-Phase

Product code: 14285128

Catalog #: 06018OT3E364T-W40G

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Performance	: 4	400 V 50 Hz 4P IE3	3			
Rated current LRC Rated torque Locked rotor tord Breakdown torque Rated speed	: 7 que : 2 ue : 2	66.9 A 7.2 177 ft.lb 220 % 250 % 1480 rpm	Duty cycle Insulation Service fa	Moment of inertia (J) Duty cycle Insulation class Service factor Temperature rise Design		
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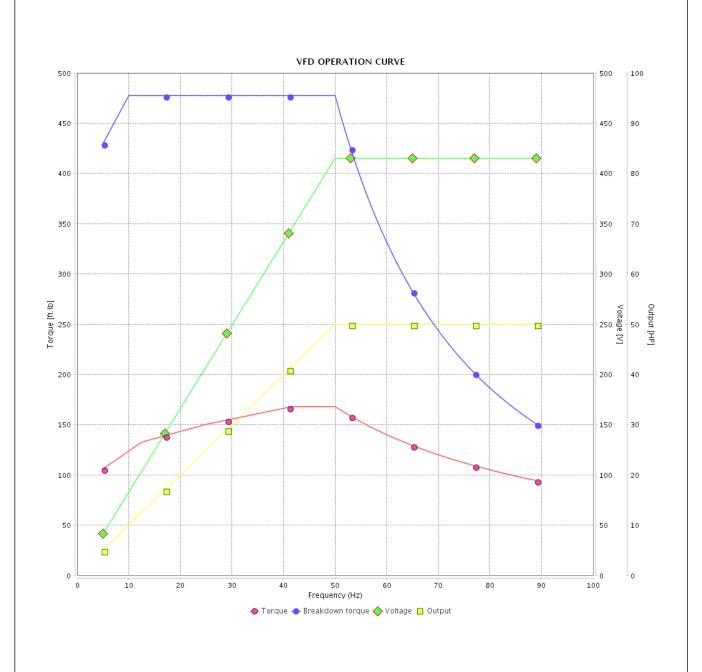
Customer

Product line : W40 NEMA Premium Efficiency Product code :

Three-Phase

Catalog #: 06018OT3E364T-W40G

14285128



Performance	: 4	15 V 50 Hz 4P IE3				
Rated current	: 6	: 65.3 A		f inertia (J)	: 15.6 sq.ft.lb	
LRC	: 7	.0	Duty cycle)	: Cont.(S1)	
Rated torque	: 1	77 ft.lb	Insulation	class	: F	
Locked rotor torqu	ue : 2	40 %	Service fa	ctor	: 1.00	
Breakdown torque	e : 2º	70 %	Temperature rise		: 80 K	
Rated speed	: 1	485 rpm	Design		: B	
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