DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : W40 NEMA Premium Efficiency Product code : 14272485

Three-Phase

Catalog #: 06018OT3E364TC-W40

Frame : 364/5TC 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 : 772 lb

50
4
50
415
65.3
457
7.0x(Code H)
27.7
1485
1.00
177
240
270
1.00
80 K
28s (cold) 16s (hot)
93.4
93.5
93.9
93.9
0.42
0.68
0.79
0.84

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

Bearing type : 6314 C3 6212 Z C3 Max. traction : 1250 lb Sealing : Without Without Max. compression : 2022 lb

Bearing Seal Bearing Seal

Lubrication interval : 20000 h 20000 h

Lubrication interval:20000 h20000 hLubricant amount:27 g13 gLubricant type:Mobil Polyrex EM

Notes

USABLE @208V 155A SF 1.15 SFA 178A

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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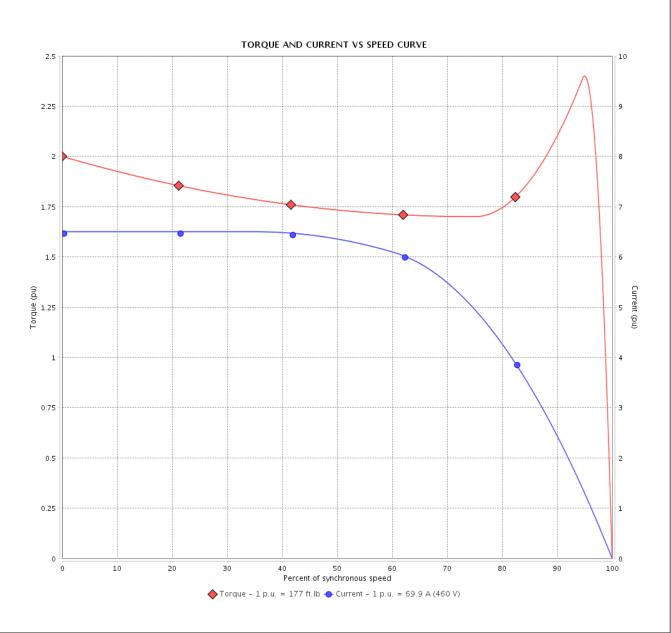
Customer :

Product line : W40 NEMA Premium Efficiency

Three-Phase

Product code: 14272485

Catalog #: 06018OT3E364TC-W40



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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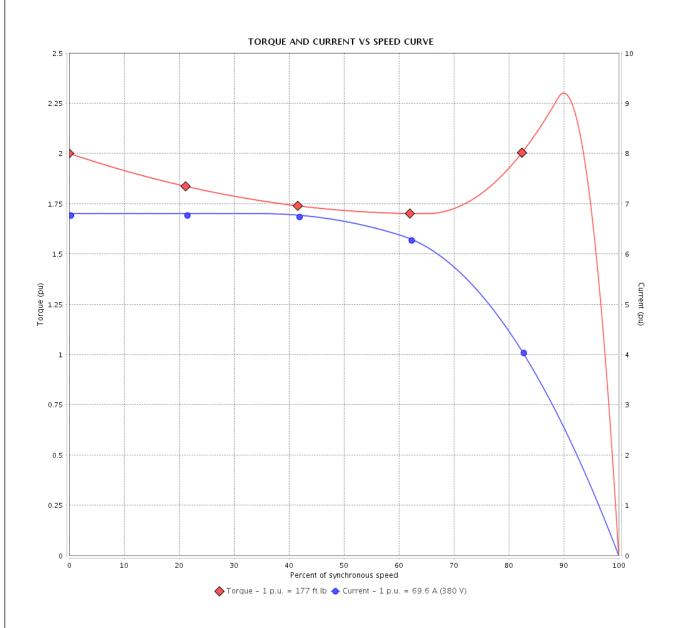


Customer :

Product line : W40 NEMA Premium Efficiency Product code : 14272485

Three-Phase

Catalog #: 06018OT3E364TC-W40



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)

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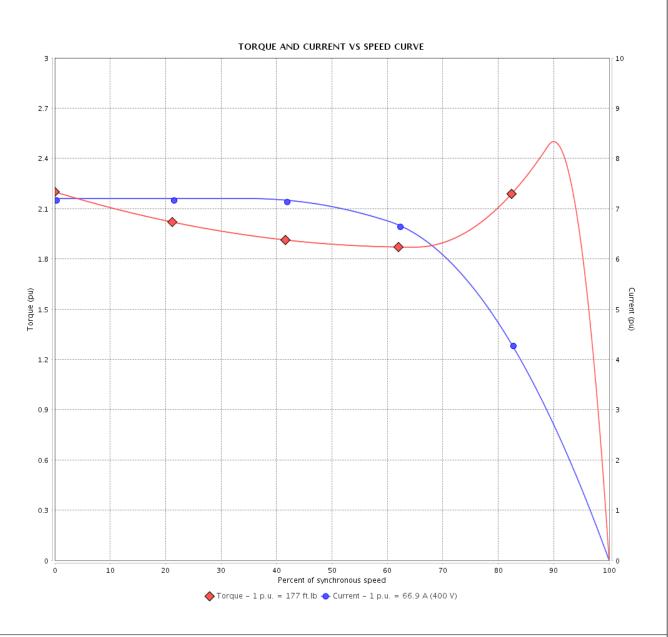
Customer :

Product line : W40 NEMA Premium Efficiency

Three-Phase

Product code: 14272485

Catalog #: 06018OT3E364TC-W40



: 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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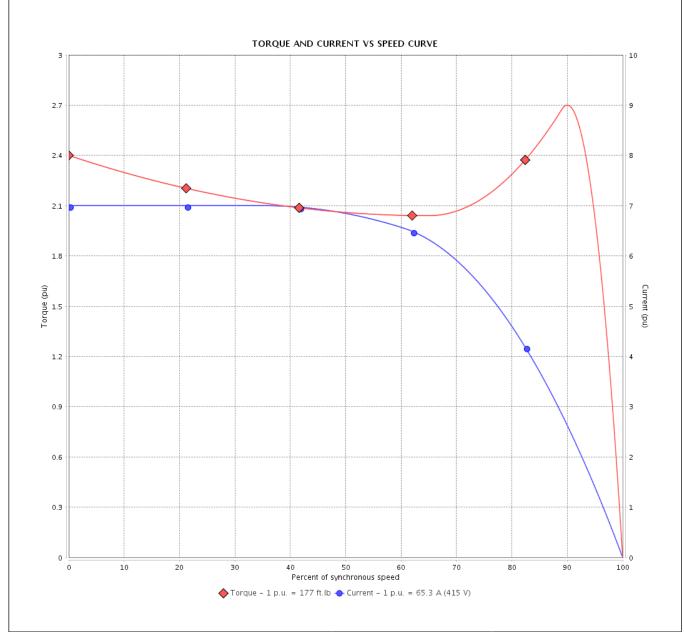


Customer :

Product line : W40 NEMA Premium Efficiency Product code : 14272485

Three-Phase

Catalog #: 06018OT3E364TC-W40



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)			

LOCKED TOTOL TITLE	. 20	os (cola) Tos (Hot)			
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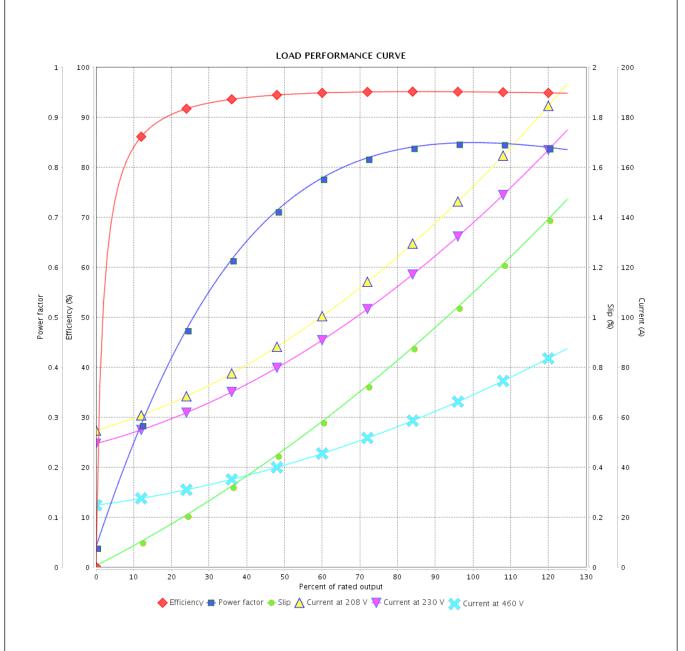
Product line : W40 NEMA Premium Efficiency

Three-Phase

Product code: 14272485

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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 Moment of inertia (J) : 15.6 sq.ft.l : 6.5 Duty cycle : Cont.(S1) : 177 ft.lb Insulation class : F : 200 % Service factor : 1.25 : 240 % Temperature rise : 80 K : 1780 rpm Design : B		: F : 1.25 : 80 K		
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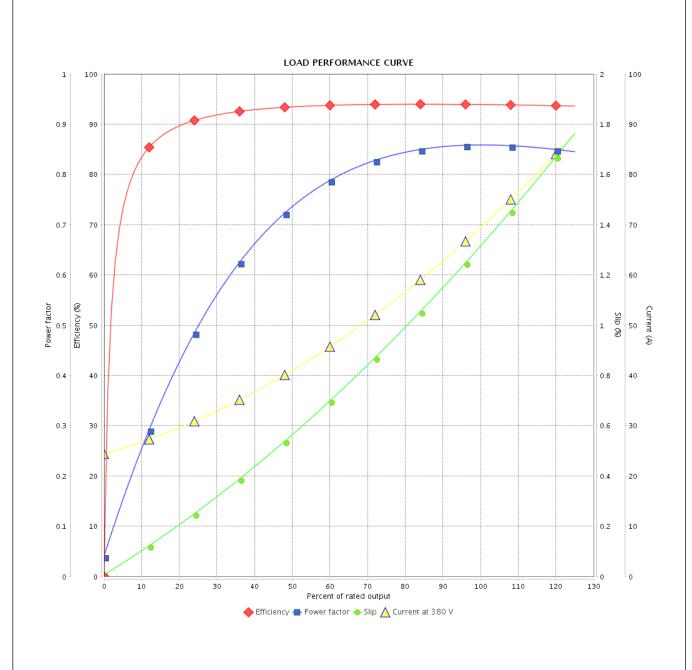


Customer

Product line : W40 NEMA Premium Efficiency Product code : 14272485

Three-Phase

Catalog #: 06018OT3E364TC-W40



Performance	:	: 380 V 50 Hz 4P IE3				
Rated current		: 69.6 A	Moment o	Moment of inertia (J)		
LRC	:	6.8	Duty cycle	;	: Cont.(S1)	
Rated torque	:	: 177 ft.lb	Insulation	class	:F	
Locked rotor torque	e :	: 200 %	Service fa	ctor	: 1.00	
Breakdown torque		: 229 %	Temperati	Temperature rise		
Rated speed	:	: 1480 rpm	Design		: B	
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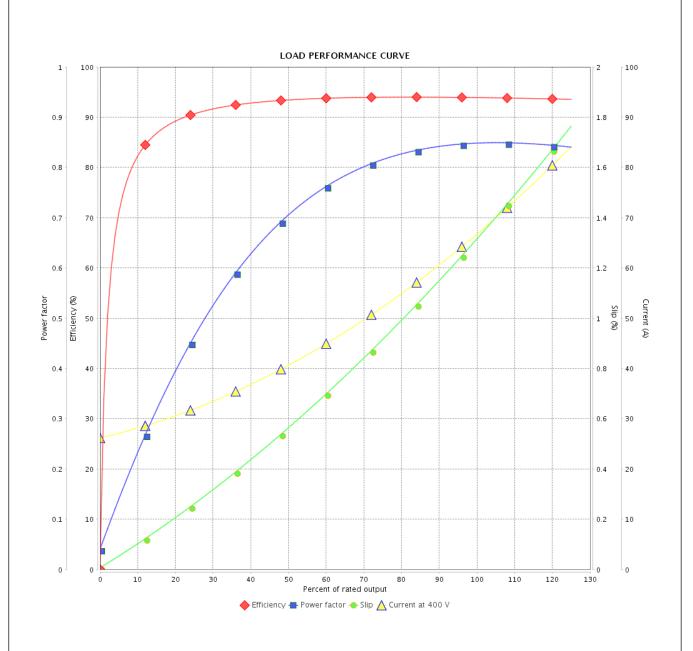
Product line : W40 NEMA Premium Efficiency

Three-Phase

Product code: 14272485

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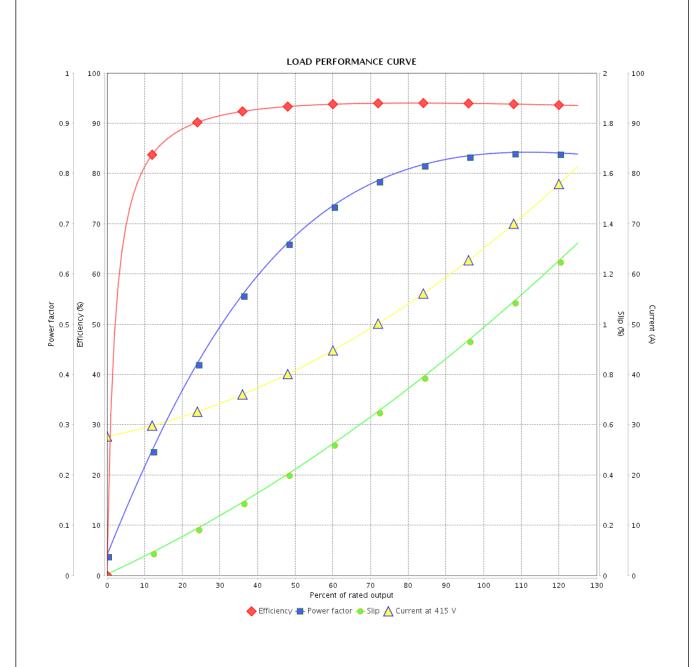


Customer

Product line : W40 NEMA Premium Efficiency Product code : 14272485

Three-Phase

Catalog #: 06018OT3E364TC-W40



Performance	:	415 V 50 Hz 4P IE3				
Rated current	:	65.3 A	Moment o	f inertia (J)	: 15.6 sq.ft.lb	
LRC	:	7.0	Duty cycle	;	: Cont.(S1)	
Rated torque	:	177 ft.lb	Insulation	class	: F	
Locked rotor torqu	e :	240 %	Service fa	ctor	: 1.00	
Breakdown torque	:	270 %	Temperati	Temperature rise		
Rated speed	:	1485 rpm	Design		: B	
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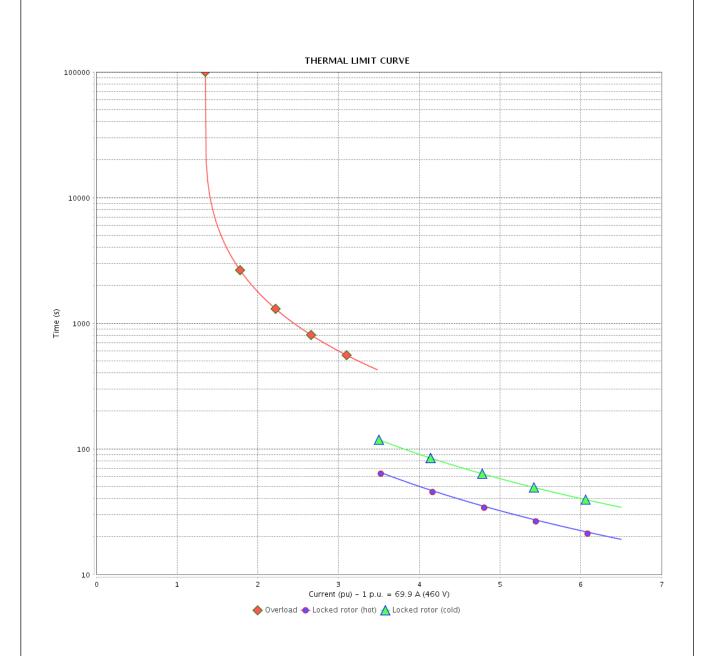


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	W40 NEMA Premium Efficier hree-Phase	Product code : Catalog # :	14272485 06018OT3E3	SEATC WAD
		-		
Performance : 2	230/460 V 60 Hz 4P			
LRC : 6	6.5	Moment of inertia (J) Duty cycle	: 15.6 sq.ft.lb : Cont.(S1)	
Rated torque : 1	77 ft.lb	Insulation class	: F : 1.25	
Breakdown torque : 2	240 %	Service factor Temperature rise	: 80 K	
		Design	: B	
Heating constant				
Cooling constant Rev.	Changes Summary	Performed	Checked	Date
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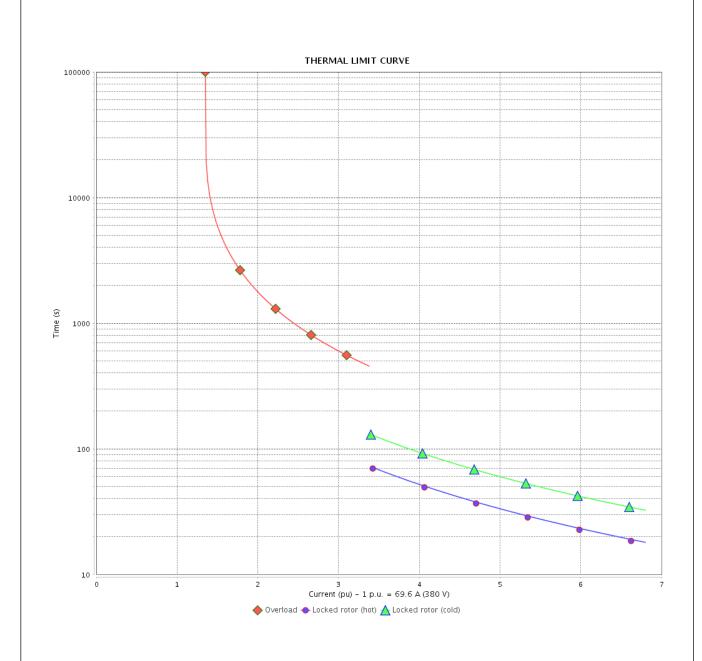


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Product line	: \ TI	W40 NEMA Premium Efficie hree-Phase		Product code :	14272485 06018OT3E3	64TC-W40
Performance Rated current LRC Rated torque Locked rotor tord Breakdown torqu Rated speed	: 69 : 6. : 17 que : 20 ue : 22 : 14	30 V 50 Hz 4P IE3 9.6 A 8 77 ft.lb 00 % 29 % 480 rpm	Moment of Duty cycle Insulation Service fac Temperatu Design	class ctor	: 15.6 sq.ft.lb : Cont.(S1) : F : 1.00 : 80 K : B	
Heating constant Cooling constant Rev.	<u> </u>	Changes Summary		Performed	Checked	Date
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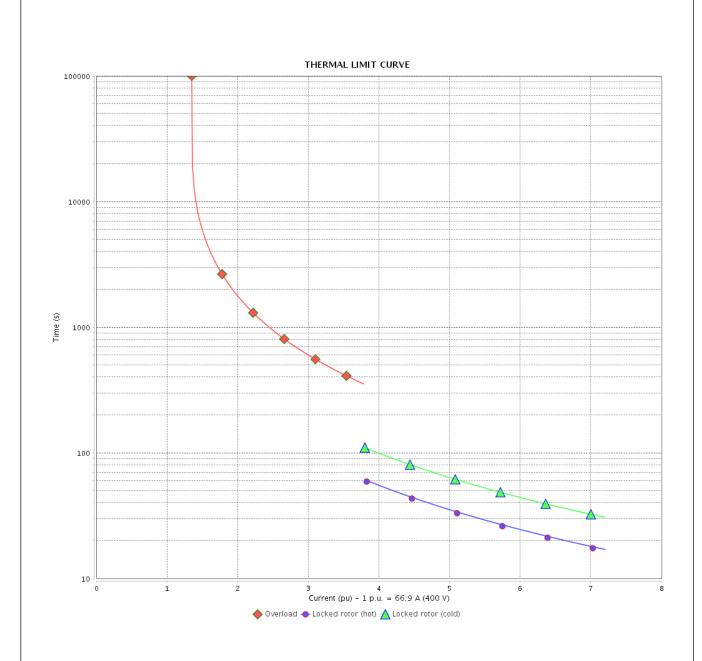


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Product line		N40 NEMA Premium Effici nree-Phase	ency I	Product code :	14272485	
	''	ilee-riiase	(Catalog # :	06018OT3E36	64TC-W40
Performance		00 V 50 Hz 4P IE3		***********	45.0 6.11	
Rated current LRC	: 66 : 7.	6.9 A 2	Moment of Duty cycle	f inertia (J)	: 15.6 sq.ft.lb : Cont.(S1)	
Rated torque		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		: B	
Heating constant						
Cooling constant		01 0				
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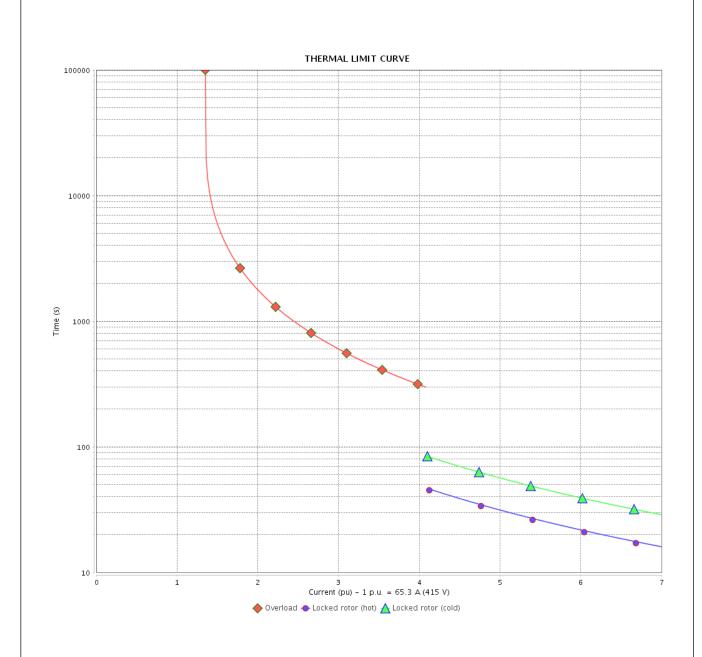


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Product line	: W40 NEMA Premium Efficie Three-Phase	ncy Product code : Catalog # :	14272485 06018OT3E364T	C-W40
		Odialog # .	0001001323041	0-11-0
Performance	: 415 V 50 Hz 4P IE3			
Rated current	: 65.3 A	Moment of inertia (J)	: 15.6 sq.ft.lb	
LRC	: 7.0	Duty cycle	: Cont.(S1)	
Rated torque	: 177 ft.lb	Insulation class	: F	
Locked rotor torque Breakdown torque	: 240 % : 270 %	Service factor Temperature rise	: 1.00 : 80 K	
Rated speed	: 1485 rpm	Design	: B	
Heating constant				
Cooling constant				
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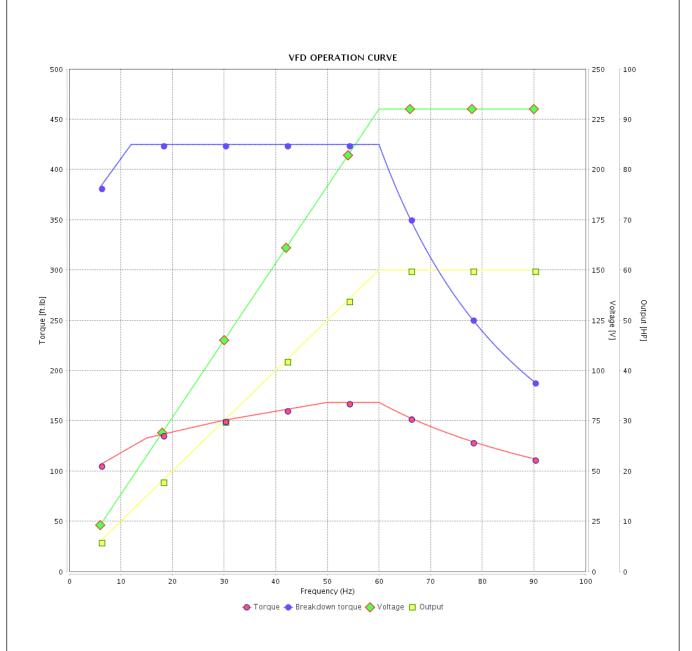
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Three-Phase

Product code: 14272485

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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)	
Rated torque	: 177 ft.lb	Insulation		: F	
Locked rotor torque	: 200 %	Service fa	ctor	: 1.25	
Breakdown torque	: 240 %	Temperature rise	: 80 K		
Rated speed	: 1780 rpm	Design		: B	
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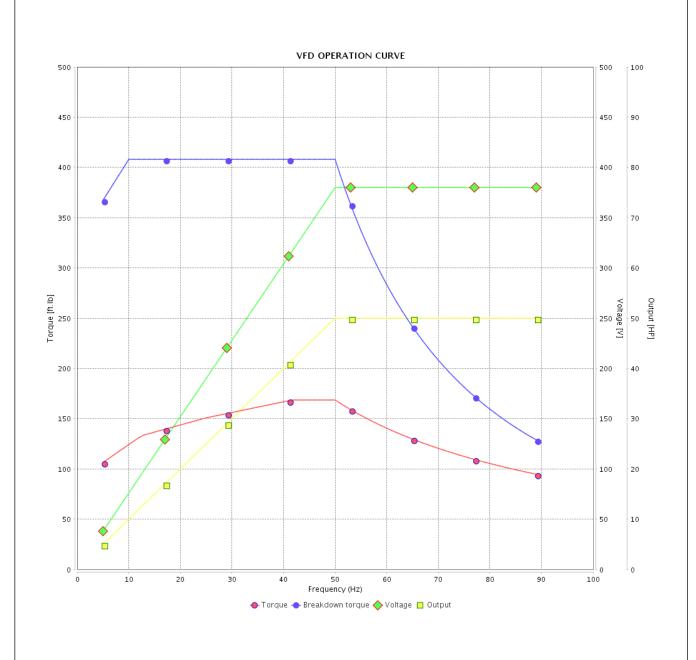
Product line : W40 NEMA Premium Efficiency Product co

Three-Phase

Product code: 14272485

Catalog #: 06018OT3E364TC-W40

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Performance	: 380 V 50 Hz 4P IE3					
Rated current LRC	: 69.6 A : 6.8	Moment of inertia (J) Duty cycle		: 15.6 sq.ft.lb : Cont.(S1)		
Rated torque	: 177 ft.lb	Insulation cl	lass	: F		
Locked rotor torque	: 200 %	Service factor		Service factor : 1.00		
Breakdown torque	: 229 %	Temperature rise		: 80 K		
Rated speed	: 1480 rpm	Design		: B		
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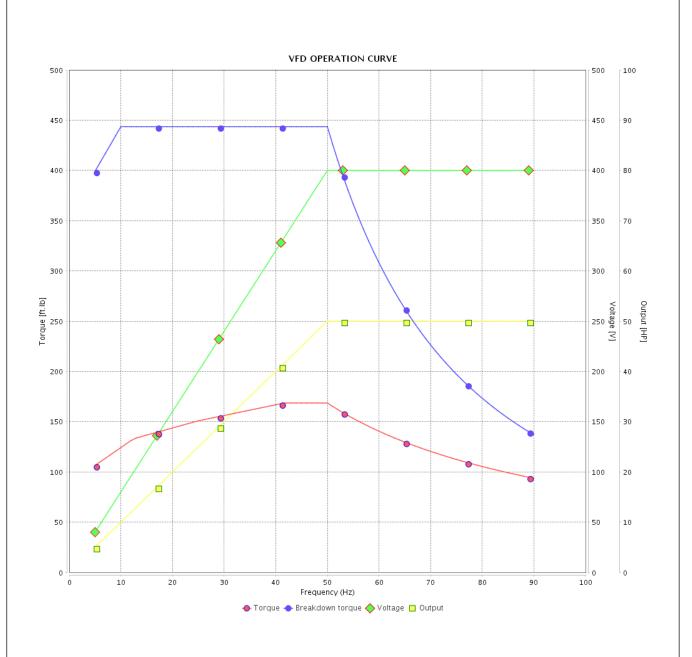
Product line : W40 NEMA Premium Efficiency

Three-Phase

Product code: 14272485

Catalog #: 06018OT3E364TC-W40

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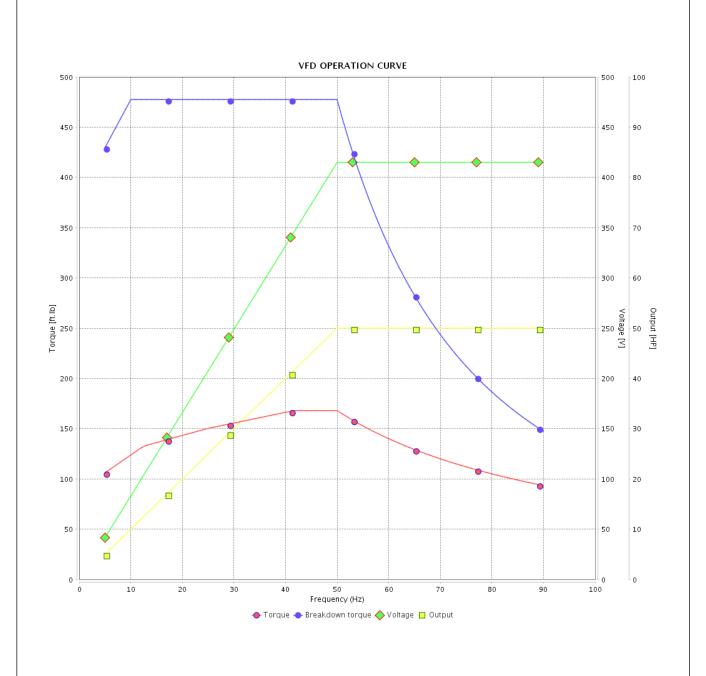


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Catalog #: 06018OT3E364TC-W40



	-				-1	
Performance	: 4	: 415 V 50 Hz 4P IE3				
Rated current	Rated current : 65.3 A		Moment o	Moment of inertia (J)		
LRC	: 7.	0	Duty cycle	;	: Cont.(S1)	
Rated torque	: 17	77 ft.lb	Insulation	class	: F	
Locked rotor torqu	e : 24	10 %	Service fa	ctor	: 1.00	
Breakdown torque	: 27	70 %	Temperati	Temperature rise		
Rated speed	: 14	185 rpm	rpm Design		: B	
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