DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : W40 NEMA Premium Efficiency Product code : 14497224

Three-Phase

Catalog #: 05018OT3E326TSC-W40

Frame : 324/6TSC 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 : 525 lb

7 11114440		, ippioni iroigi	Approx. Weight . 525 is				
е	: IP23	Moment of inc	Moment of inertia (J) : 7.08 sq.ft.lb				
	: B						
	50	40	40	40			
Poles		4	4	4			
	60	50	50	50			
	230/460	380	400	415			
	117/58.5	58.0	56.4	55.7			
	737/369	383	389	401			
	6.3x(Code G)	6.6x(Code G)	6.9x(Code H)	7.2x(Code J)			
]	46.4/23.2	22.8	25.2	27.0			
Rated speed [RPM]		1475	1475	1480			
Slip [%]		1.67	1.67	1.33			
Rated torque [ft.lb]		142	142	142			
Locked rotor torque [%]		220	250	270			
Breakdown torque [%]		240 270		300			
	1.25	1.00	1.00	1.00			
	80 K	80 K	80 K	80 K			
	19s (cold) 11s (hot)	21s (cold) 12s (hot)	21s (cold) 12s (hot)	21s (cold) 12s (hot)			
	66.0 dB(A)						
	94.0	92.9	92.9	92.9			
	94.1	93.1	93.1	93.1			
75%	94.5	93.5	93.5	93.5			
100%		93.6	93.6	93.6			
25%	0.44	0.44	0.40	0.37			
50%	0.70	0.70	0.66	0.62			
75%	0.80	0.80	0.77	0.74			
100%	0.84	0.84	0.82	0.80			
	25% 50% 75% 100% 25% 50% 75%	: B 50 4 60 230/460 117/58.5 737/369 6.3x(Code G) 46.4/23.2 //] 1775 1.39 148 e [%] 240 [%] 240 [%] 240 1.25 80 K 19s (cold) 11s (hot) 66.0 dB(A) 25% 94.0 50% 94.1 75% 94.5 100% 94.5 25% 0.44 50% 0.70 75% 0.80	B : IP23 : B 50	B So			

Drive end Non drive end 6312 Z C3 6211 Z C3

Bearing type : 6312 Z C3 6211 Z C3
Sealing : Without Without

Bearing Seal Bearing Seal

Lubrication interval : 20000 h 20000 h Lubricant amount : 21 g 11 g Lubricant type : Mobil Polyrex EM Foundation loads Max. traction Max. compression

Notes

USABLE @208V 129A SF 1.15 SFA 149A

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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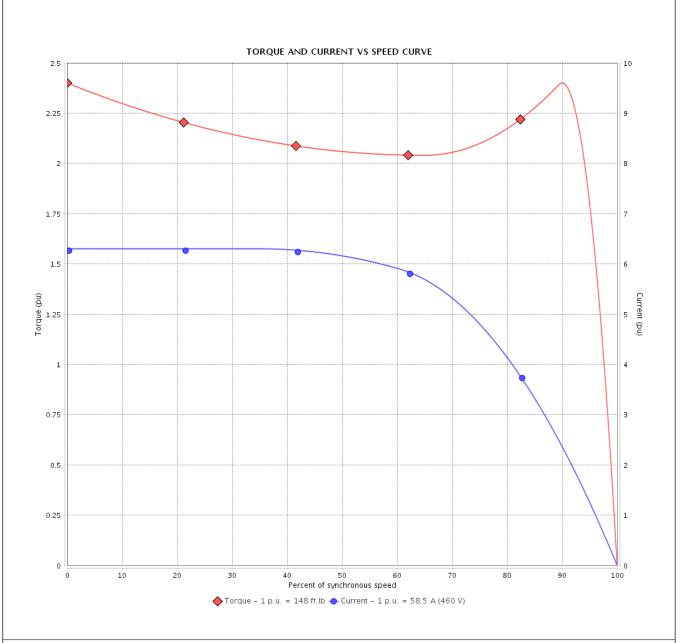
Customer :

Product line : W40 NEMA Premium Efficiency Product code :

Three-Phase

Product code: 14497224

Catalog #: 05018OT3E326TSC-W40



Performance : 230/460 V 60 Hz 4P Rated current : 117/58.5 A Moment of inertia (J) : 7.08 sq.ft.lb **LRC** : 6.3 Duty cycle : Cont.(S1) Insulation class Rated torque : 148 ft.lb : F Service factor Locked rotor torque : 240 % : 1.25 Breakdown torque : 240 % Temperature rise : 80 K Rated speed : 1775 rpm Design : B

Locked rotor time : 19s (cold) 11s (hot)

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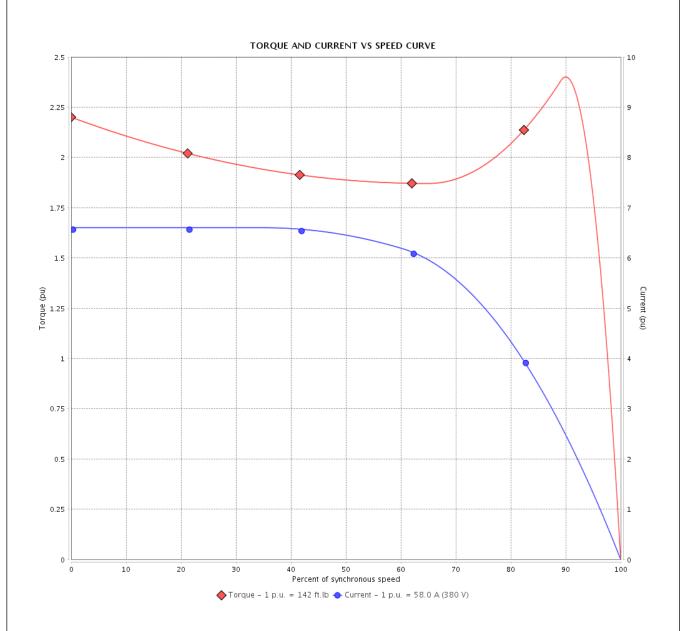
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Customer :

Product line : W40 NEMA Premium Efficiency Product code : 14497224

Catalog # : 05018OT3E326TSC-W40



Performance	: 380 V 50 Hz 4P IE3			
Rated current	: 58.0 A	Moment of inertia (J)	: 7.08 sq.ft.lb	
LRC	: 6.6	Duty cycle	: Cont.(S1)	
Rated torque	: 142 ft.lb	Insulation class	: F	
Locked rotor torque	: 220 %	Service factor	: 1.00	
Breakdown torque	: 240 %	Temperature rise	: 80 K	
Rated speed	: 1475 rpm	Design	: B	
Locked rotor time	: 21s (cold) 12s (hot)			

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

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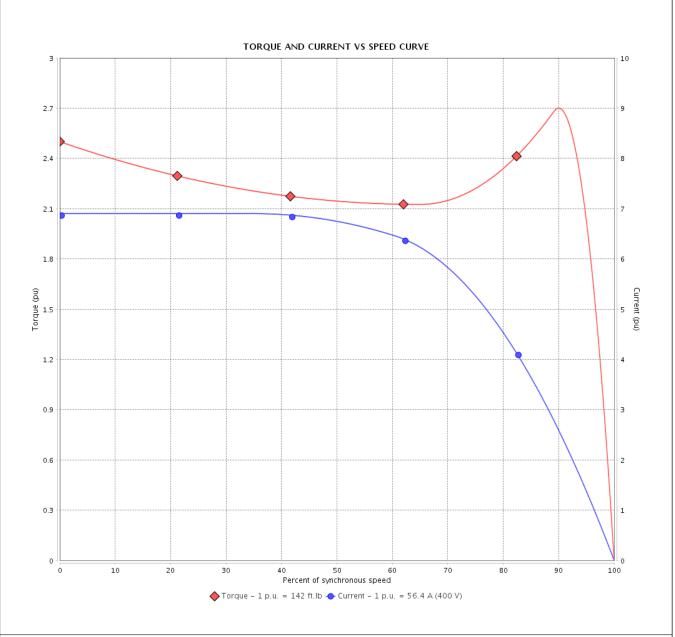
Customer :

Product line : W40 NEMA Premium Efficiency

Three-Phase

Product code: 14497224

Catalog #: 05018OT3E326TSC-W40



Performance : 400 V 50 Hz 4P IE3 Rated current : 56.4 A Moment of inertia (J) : 7.08 sq.ft.lb **LRC** : 6.9 Duty cycle : Cont.(S1) Insulation class Rated torque : 142 ft.lb : F Service factor Locked rotor torque : 250 % : 1.00 Breakdown torque : 270 % Temperature rise : 80 K Rated speed : 1475 rpm Design : B

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

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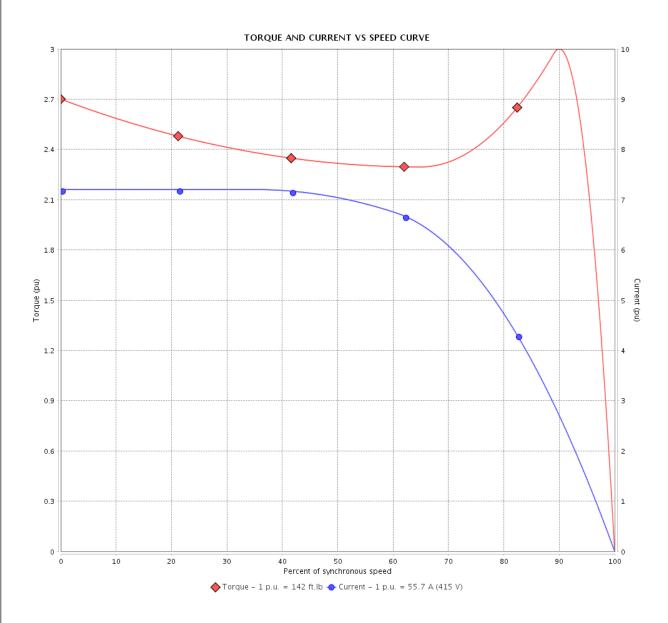


Customer

Product line : W40 NEMA Premium Efficiency

Product code: 14497224

Catalog #: 05018OT3E326TSC-W40



Performance	: 415 V 50 Hz 4P IE3			
Rated current	: 55.7 A	Moment of inertia (J)	: 7.08 sq.ft.lb	
LRC	: 7.2	Duty cycle	: Cont.(S1)	
Rated torque	: 142 ft.lb	Insulation class	:F	
Locked rotor torque	: 270 %	Service factor	: 1.00	
Breakdown torque	: 300 %	Temperature rise	: 80 K	
Rated speed	: 1480 rpm	Design	: B	
Locked rotor time	: 21s (cold) 12s (hot)			

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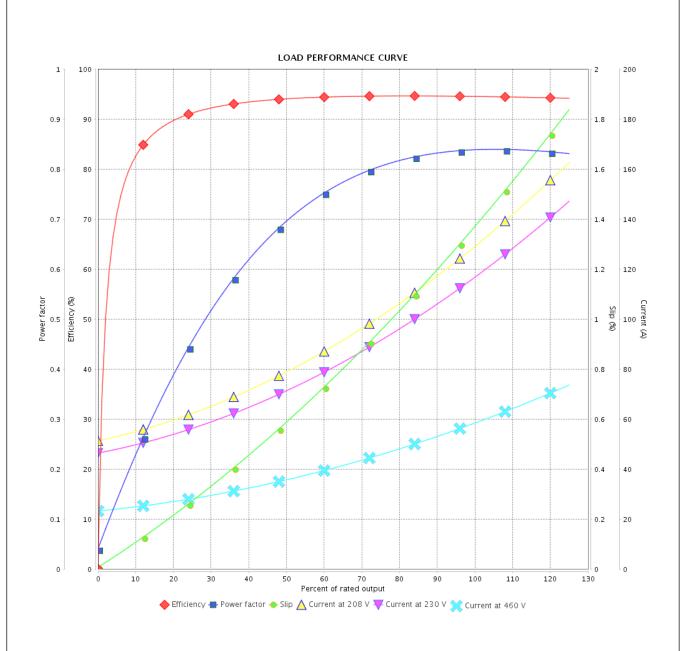
Product line : W40 NEMA Premium Efficiency

Three-Phase

Product code: 14497224

Catalog #: 05018OT3E326TSC-W40

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Performance	: 230/460 V 60 Hz 4P				
Rated current LRC Rated torque Locked rotor torque Breakdown torque Rated speed	: 117/58.5 A : 6.3 : 148 ft.lb : 240 % : 240 % : 1775 rpm	Moment of inertia (J) : 7.08 sq.ft.lb Duty cycle : Cont.(S1) Insulation class : F Service factor : 1.25 Temperature rise : 80 K Design : B			
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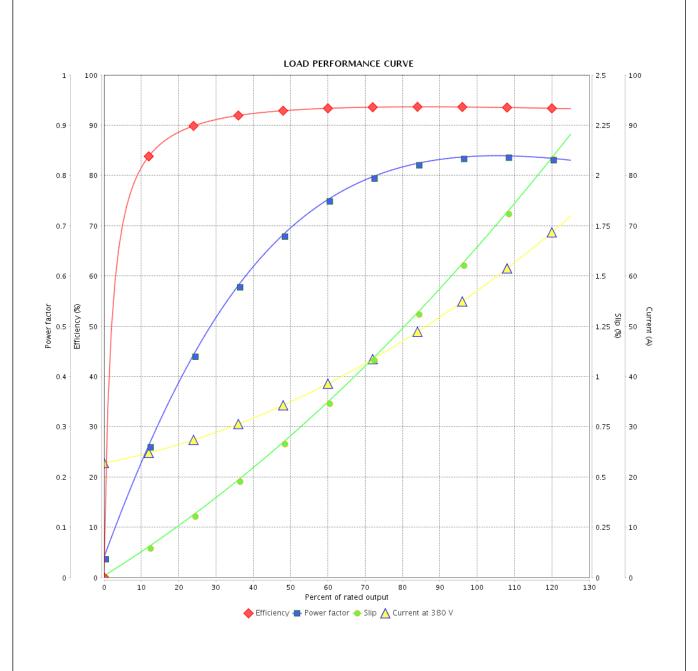


Customer

Product line : W40 NEMA Premium Efficiency Product code : 14497224

Three-Phase

Catalog #: 05018OT3E326TSC-W40



Performance	: 380 V 50 Hz 4P IE3					
Rated current	: 5	58.0 A	Moment o	f inertia (J)	: 7.08 sq.ft.lb	
LRC	: 6	6.6	Duty cycle	;	: Cont.(S1)	
Rated torque	: 1	42 ft.lb	Insulation	class	: F	
Locked rotor torque	e : 2	220 %	Service fa	ctor	: 1.00	
Breakdown torque	: 2	240 %	Temperature rise		: 80 K	
Rated speed	: 1	: 1475 rpm			: B	
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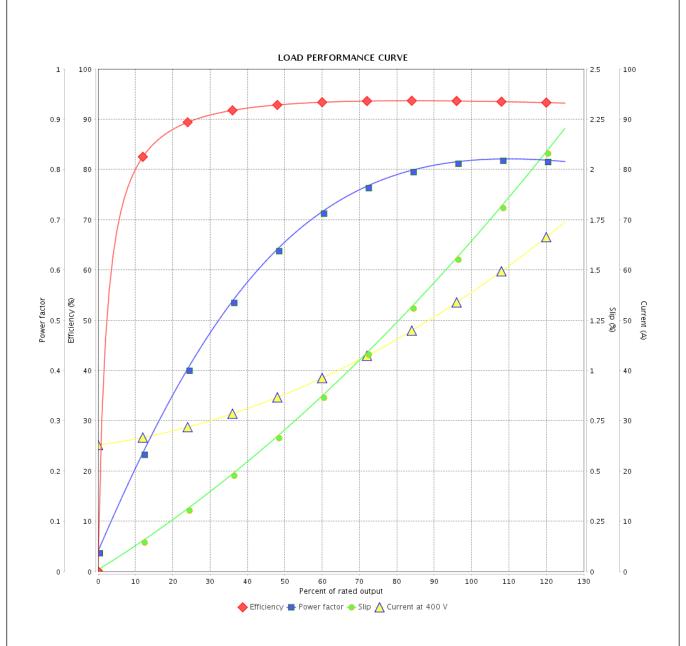
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Product line : W40 NEMA Premium Efficiency

Three-Phase

Product code: 14497224

Catalog #: 05018OT3E326TSC-W40



Performance : 400 V 50 Hz 4P IE3 Rated current : 56.4 A Moment of inertia (J) : 7.08 sq.ft.lb **LRC** Duty cycle : Cont.(S1) : 6.9 Insulation class Rated torque : 142 ft.lb : F Locked rotor torque : 250 % Service factor : 1.00 Breakdown torque : 270 % Temperature rise : 80 K Rated speed : 1475 rpm Design : B Rev. Performed Checked Date **Changes Summary** Performed by

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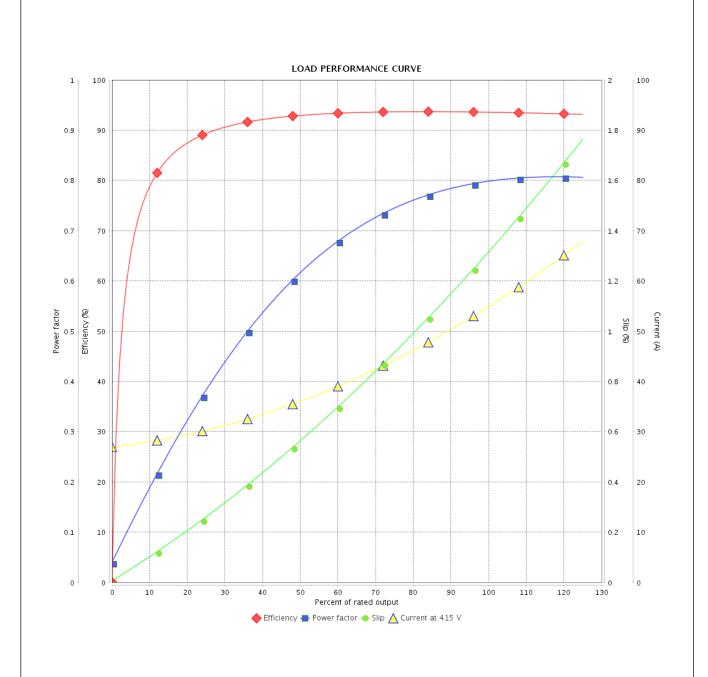


Customer

Product line : W40 NEMA Premium Efficiency Product code : 14497224

Three-Phase

Catalog #: 05018OT3E326TSC-W40



Performance	:	415 V 50 Hz 4P IE3				
Rated current		55.7 A	5.7 A Moment of inertia (J)		: 7.08 sq.ft.lb	
LRC	:	7.2	Duty cycle	` '	: Cont.(S1)	
Rated torque	:	142 ft.lb	Insulation		: F ` ´	
Locked rotor torque		270 %	Service fa	ctor	: 1.00	
Breakdown torque		300 %	Temperati	Temperature rise		
Rated speed	: 1480 rpm		Design	Design		
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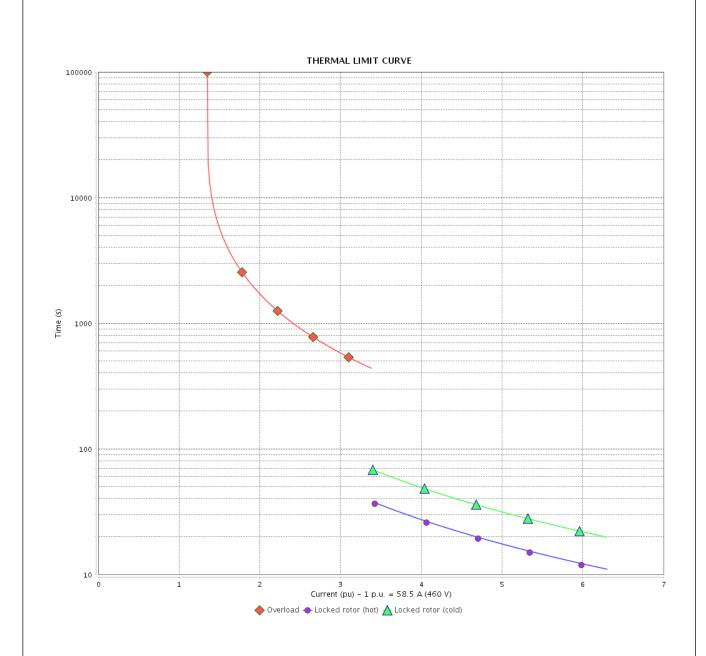


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Product line		: W40 NEMA Premium Efficie Three-Phase		Product code : Catalog # :	14497224 05018OT3E32	26TSC-W40
Performance		230/460 V 60 Hz 4P		.		
Rated current LRC	:	117/58.5 A 6.3	Duty cycle		: 7.08 sq.ft.lb : Cont.(S1)	
Rated torque Locked rotor tord		148 ft.lb 240 %	Insulation Service fa		: F : 1.25	
Breakdown torqu		240 % 240 %	Temperati		: 1.25 : 80 K	
Rated speed		1775 rpm	Design	210 1100	: B	
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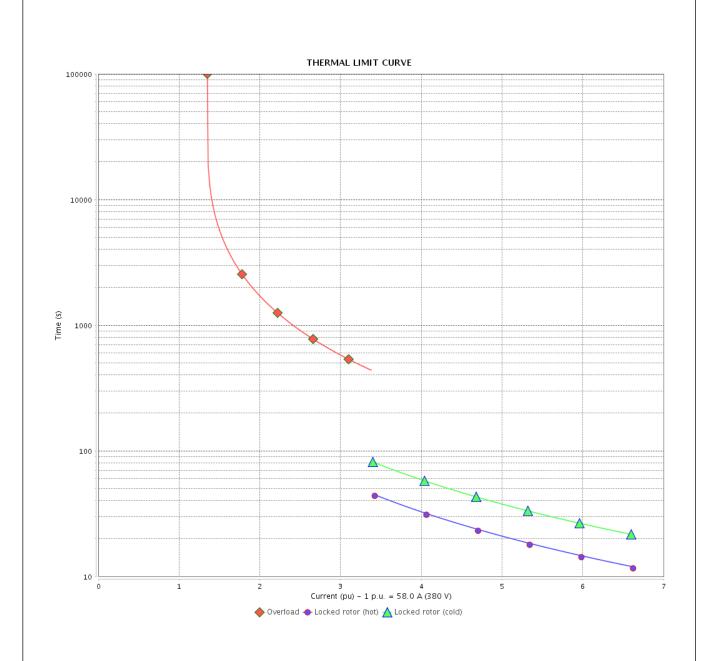


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	11	liee-Filase	(Catalog # :	05018OT3E3	26TSC-W40
Performance		30 V 50 Hz 4P IE3				
Rated current LRC	: 58 : 6.	3.0 A	Moment of Duty cycle	f inertia (J)	: 7.08 sq.ft.lb : Cont.(S1)	
Rated torque	: 14	12 ft.lb	Insulation	class	: F	
Locked rotor torqu		20 %	Service fac		: 1.00	
Breakdown torque Rated speed		40 % 475 rpm	Temperatu Design	ire rise	: 80 K : B	
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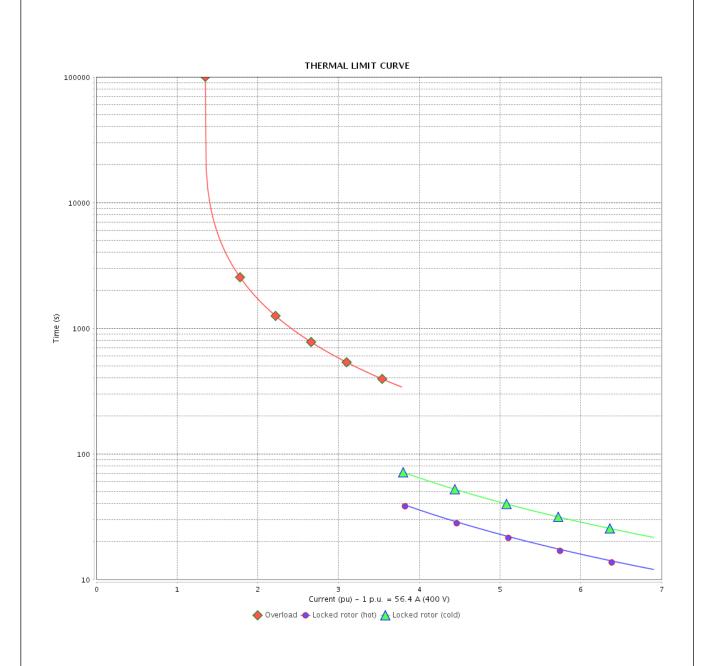


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Product line	: W40 NEMA Premium Effici Three-Phase	ency Product code :	14497224
	тпее-гпаѕе	Catalog # :	05018OT3E326TSC-W40
Performance	: 400 V 50 Hz 4P IE3		
Rated current	: 56.4 A	Moment of inertia (J)	: 7.08 sq.ft.lb
LRC	: 6.9	Duty cycle	: Cont.(S1)
Rated torque Locked rotor torque	: 142 ft.lb : 250 %	Insulation class Service factor	: F : 1.00
Breakdown torque Rated speed	: 270 % : 270 % : 1475 rpm	Temperature rise Design	: 80 K : B
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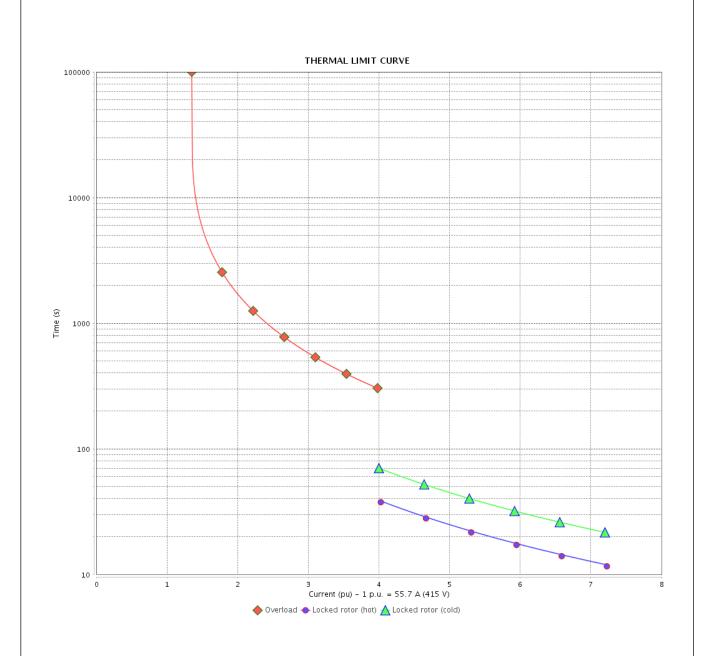


Customer		:				
Product line		: W40 NEMA Premium Effici Three-Phase		Product code : Catalog # :	14497224 05018OT3E32	26TSC-W40
Performance		: 415 V 50 Hz 4P IE3		.	7.00 6.11	
Rated current LRC		: 55.7 A : 7.2	Duty cycle		: 7.08 sq.ft.lb : Cont.(S1)	
Rated torque		: 142 ft.lb	Insulation	class	: F	
Locked rotor tord Breakdown torqu		: 270 % : 300 %	Service fa Temperati		: 1.00 : 80 K	
Rated speed		: 1480 rpm	Design	u. 0 1100	: B	
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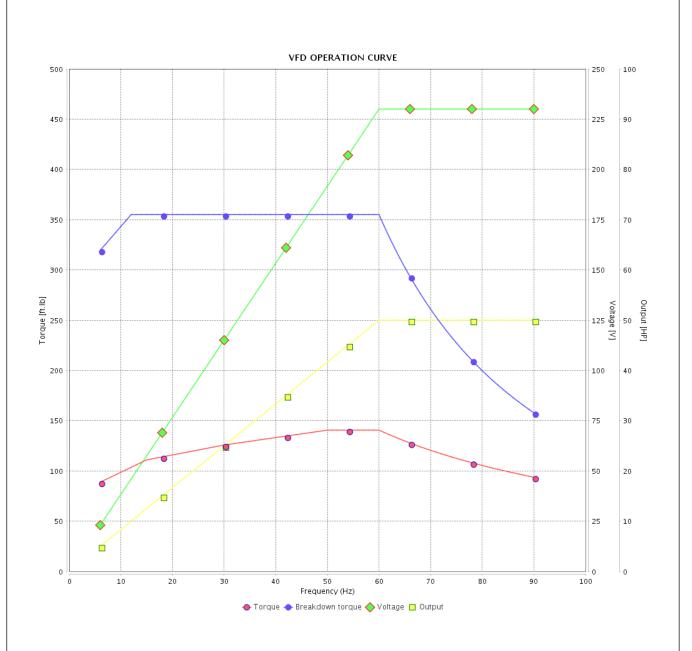
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Three-Phase

Product code: 14497224

Catalog #: 05018OT3E326TSC-W40

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Performance : 230/460 V 60 Hz 4P : 117/58.5 A Rated current Moment of inertia (J) : 7.08 sq.ft.lb **LRC** Duty cycle : 6.3 : Cont.(S1) Insulation class : 148 ft.lb : F Rated torque Locked rotor torque : 240 % Service factor : 1.25 Breakdown torque : 240 % Temperature rise : 80 K Rated speed : 1775 rpm Design : B Rev. Performed Checked Date **Changes Summary** Performed by Checked by Revision Page

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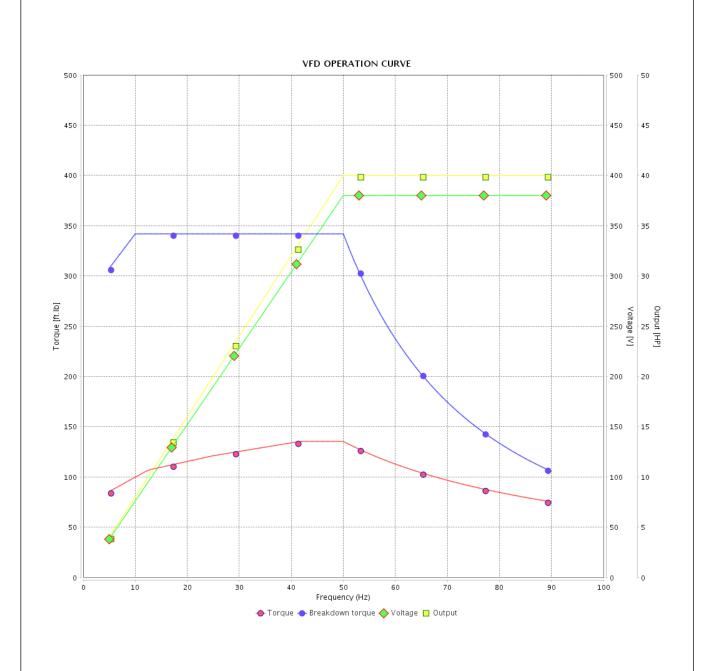
Customer

Product line : W40 NEMA Premium Efficiency

Three-Phase

Product code: 14497224

Catalog #: 05018OT3E326TSC-W40



					7	
Performance	: 38	30 V 50 Hz 4P IE3				
Rated current	: 5	: 58.0 A Moment o		f inertia (J)	: 7.08 sq.ft.lb	
LRC	: 6	6	Duty cycle	;	: Cont.(S1)	
Rated torque	: 14	12 ft.lb	Insulation	class	: F	
Locked rotor tord	que : 2:	20 %	Service fa	ctor	: 1.00	
Breakdown torqu	ue : 24	: 240 % Temperature rise		ıre rise	: 80 K	
Rated speed		175 rpm	Design		: B	
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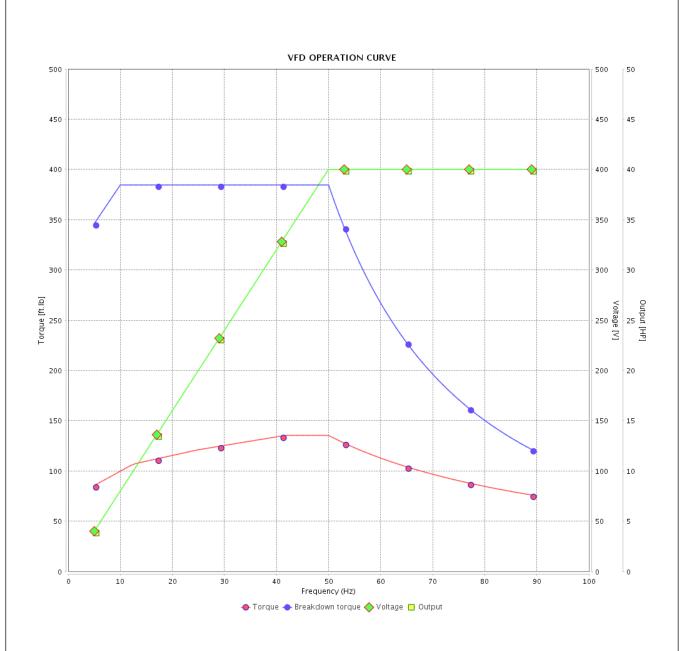
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Product line : W40 NEMA Premium Efficiency

Three-Phase

Product code: 14497224

Catalog #: 05018OT3E326TSC-W40



Performance : 400 V 50 Hz 4P IE3 Rated current : 56.4 A Moment of inertia (J) : 7.08 sq.ft.lb **LRC** Duty cycle : 6.9 : Cont.(S1) Insulation class : 142 ft.lb : F Rated torque Locked rotor torque : 250 % Service factor : 1.00 Breakdown torque : 270 % Temperature rise : 80 K Rated speed : 1475 rpm Design : B Rev. Performed Checked **Changes Summary** Date Performed by

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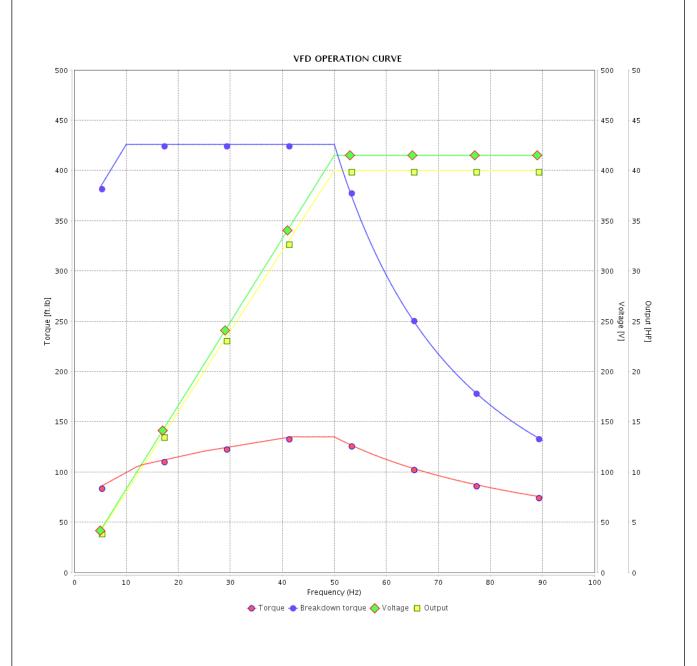
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roduct code: 14497224

Catalog #: 05018OT3E326TSC-W40



Performance	: 4	: 415 V 50 Hz 4P IE3					
Rated current	Rated current : 55.7 A		Moment o	f inertia (J)	: 7.08 sq.ft.lb		
LRC	: 7	7.2	Duty cycle	;	: Cont.(S1)		
Rated torque	: 1	42 ft.lb	Insulation	class	: F		
Locked rotor torque	e : 2	270 %	Service fa	ctor	: 1.00		
Breakdown torque	Breakdown torque : 300 %		Temperati	Temperature rise		: 80 K	
Rated speed : 1480 rpm		480 rpm	Design		: B		
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