DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : NEMA Premium Efficiency Three- Product code : 11485689

Phase

Catalog #: 02509XT3E326T

Frame : 326T Cooling method : IC411 - TEFC

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 : 682 lb
Protection degree : IP55 Moment of inertia (J) : 11.9 sg.ft.lb

Protection degree		. 1533	Monte in or in	: I I I I I I I I I I I I I I I I I I I	Sq.it.ib
Design		: B			
Output [HP]		25	25	25	25
Poles		8	8	8	8
Frequency [Hz]		60	50	50	50
Rated voltage [V]		230/460	380	400	415
Rated current [A]		70.8/35.4	41.5	40.2	40.4
L. R. Amperes [A]		361/181	212	205	206
LRC [A]		5.1x(Code G)	5.1x(Code F)	5.1x(Code G)	5.1x(Code G)
No load current [A]	40.7/20.4	20.1	22.2	24.1
Rated speed [RPM]		885	725	730	730
Slip [%]		1.67	3.33	2.67	2.67
Rated torque [ft.lb]		148	181	180	180
Locked rotor torque [%]		220	180	200	220
Breakdown torque [%]		240	190	210	229
Service factor		1.15	1.00	1.00	1.00
Temperature rise		80 K	80 K	80 K	80 K
Locked rotor time		36s (cold) 20s (hot)	36s (cold) 20s (hot)	36s (cold) 20s (hot)	36s (cold) 20s (hot)
Noise level ²		56.0 dB(A)	56.0 dB(A)	56.0 dB(A)	56.0 dB(A)
	25%	90.8	92.0	89.9	89.2
Temperature rise Locked rotor time	50%	91.0	91.0	90.2	89.5
	75%	92.4	91.7	91.0	91.0
100%		92.4	90.2	91.0	91.0
	25%	0.29	0.34	0.31	0.28
Power Factor	50%	0.51	0.58	0.53	0.50
1 OWELL ACIOI	75%	0.63	0.69	0.65	0.62
	100%	0.71	0.75	0.73	0.70

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

Bearing type : 6312 6212 Max. traction : 1247 lb

2RS C3 2RS C3

Sealing : Oil Seal Lip Seal Max. compression : 1928 lb Lubrication interval : - -

Lubricant amount : - - Lubricant type : Mobil Polyrex EM

Notes

USABLE @208V 78.2A SF 1.00 SFA 78.2A

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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DATA SHEET



Customer		

Thermal	protection
HIIGHIIIAI	protection

ID	Application	Туре	Quantity	Sensing Temperature
1	Winding	Thermostat - 2 wires	1 x Phase	155 °C

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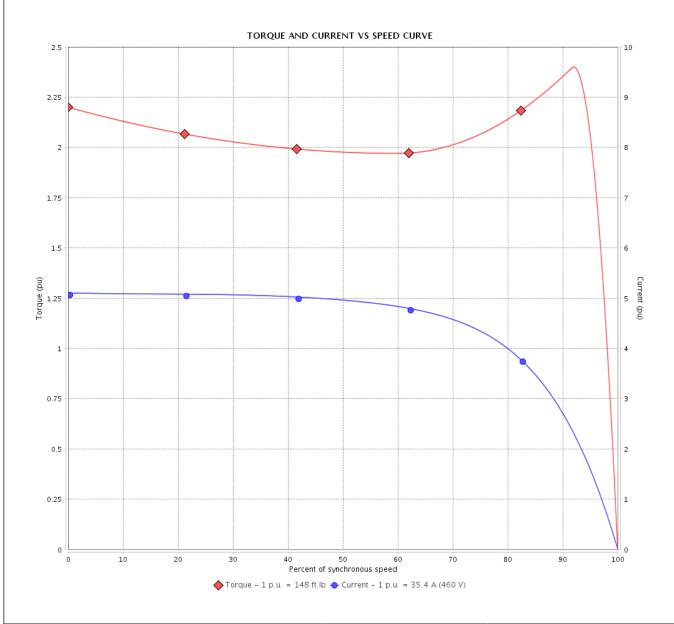
Customer :

Product line : NEMA Premium Efficiency Three- Product code :

Phase

roduct code: 11485689

Catalog #: 02509XT3E326T



Performance : 230/460 V 60 Hz 8P Rated current : 70.8/35.4 A Moment of inertia (J) : 11.9 sq.ft.lb **LRC** : 5.1 Duty cycle : Cont.(S1) : 148 ft.lb Insulation class : F Rated torque : 1.15 Locked rotor torque : 220 % Service factor Breakdown torque : 240 % Temperature rise : 80 K : B Rated speed : 885 rpm Design

Locked rotor time : 36s (cold) 20s (hot)

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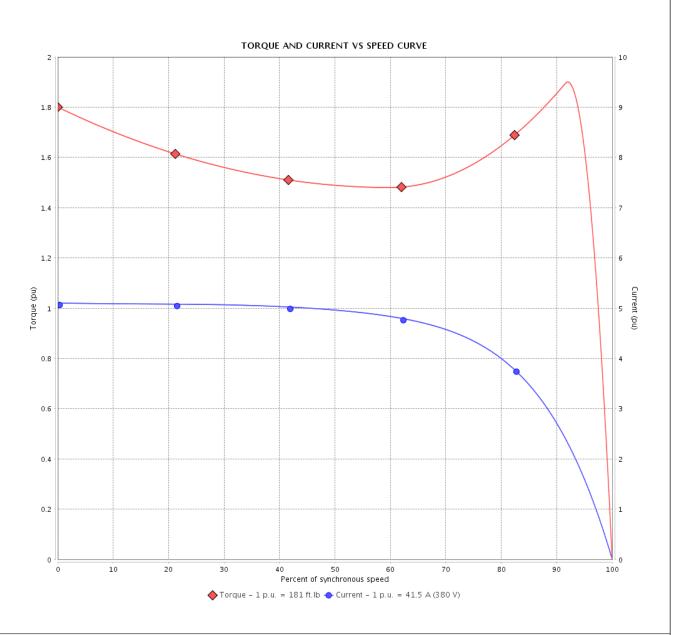
Customer :

Product line : NEMA Premium Efficiency Three-

Phase

Product code: 11485689

Catalog #: 02509XT3E326T



Performance : 380 V 50 Hz 8P IE3 Rated current : 41.5 A Moment of inertia (J) : 11.9 sq.ft.lb **LRC** : 5.1 Duty cycle : Cont.(S1) Insulation class Rated torque : 181 ft.lb : F Locked rotor torque : 180 % Service factor : 1.00 Breakdown torque : 190 % Temperature rise : 80 K Rated speed : 725 rpm Design : B

Locked rotor time : 36s (cold) 20s (hot)

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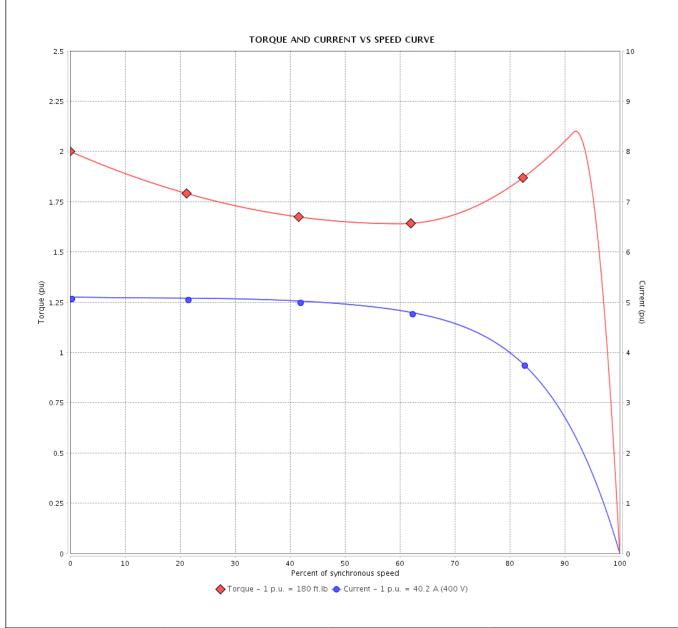


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Customer :

Product line : NEMA Premium Efficiency Three- Product code : 11485689

Catalog # :



Performance	: 400 V 50 Hz 8P IE3		
Rated current	: 40.2 A	Moment of inertia (J)	: 11.9 sq.ft.lb
LRC	: 5.1	Duty cycle	: Cont.(S1)
Rated torque	: 180 ft.lb	Insulation class	: F
Locked rotor torque	: 200 %	Service factor	: 1.00
Breakdown torque	: 210 %	Temperature rise	: 80 K
Rated speed	: 730 rpm	Design	: B
Locked reter time	: 36s (sold) 20s (hot)		

Locked rotor time : 36s (cold) 20s (hot)

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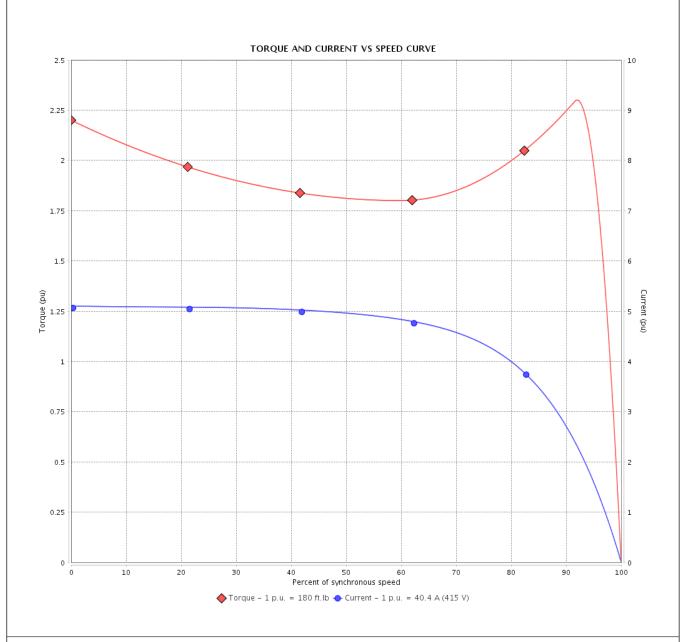


Customer

Product line : NEMA Premium Efficiency Three-

Product code: 11485689

Catalog #: 02509XT3E326T



Performance : 415 V 50 Hz 8P IE3 Rated current : 40.4 A Moment of inertia (J) : 11.9 sq.ft.lb **LRC** : 5.1 Duty cycle : Cont.(S1) : F Insulation class Rated torque : 180 ft.lb Service factor Locked rotor torque : 220 % : 1.00 Breakdown torque : 229 % Temperature rise : 80 K Rated speed : B

Locked rotor time : 36s (cold) 20s (hot)

: 730 rpm

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Design

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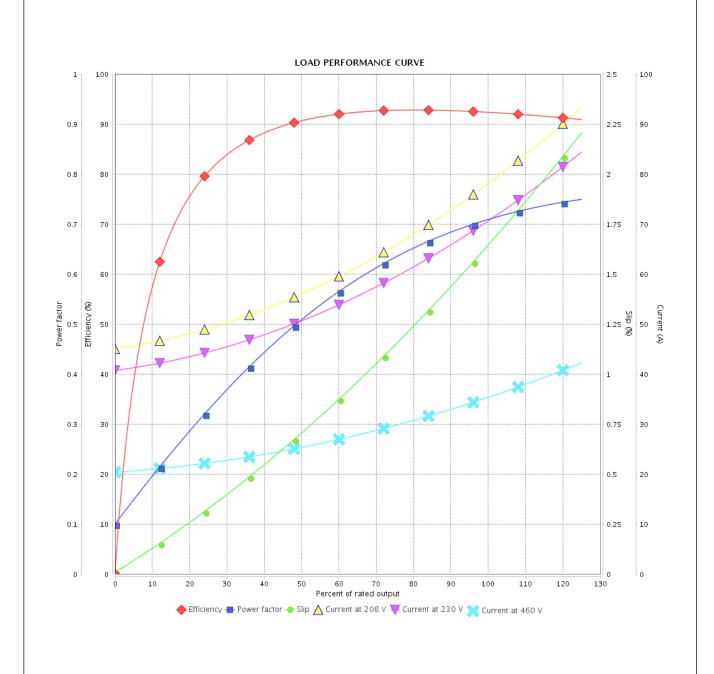


Customer

Product line : NEMA Premium Efficiency Three- Product code : 11485689

Phase

Catalog #: 02509XT3E326T



Performance	: 230/460 V 60 Hz 8P				
Rated current	: 70.8/35.4 A	Moment of inertia (J)		: 11.9 sq.ft.lb	
LRC	: 5.1	Duty cycle	9	: Cont.(S1)	
Rated torque	: 148 ft.lb	Insulation class Service factor Temperature rise		: F : 1.15 : 80 K	
Locked rotor torque	: 220 %				
Breakdown torque	: 240 %				
Rated speed	: 885 rpm	Design		: B	
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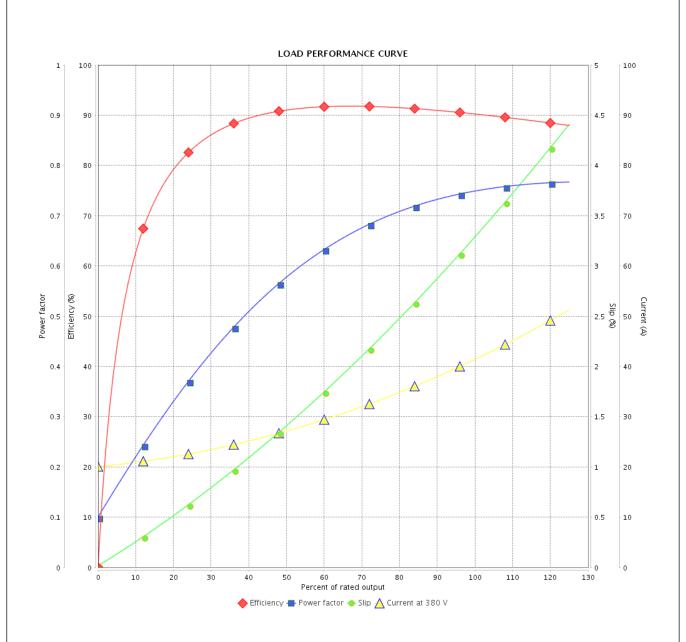
Customer :

Product line : NEMA Premium Efficiency Three- Pr

Phase

Product code: 11485689

Catalog #: 02509XT3E326T



Performance	: 380 V 50 Hz 8P IE3				
Rated current	: 41.5 A	Moment o	f inertia (J)	: 11.9 sq.ft.lb	
LRC	: 5.1	Duty cycle	;	: Cont.(S1)	
Rated torque	: 181 ft.lb	Insulation	class	: F	
Locked rotor torque	: 180 %	Service fa	ctor	: 1.00	
Breakdown torque	: 190 %	Temperati	ıre rise	: 80 K	
Rated speed	: 725 rpm	Design		: B	
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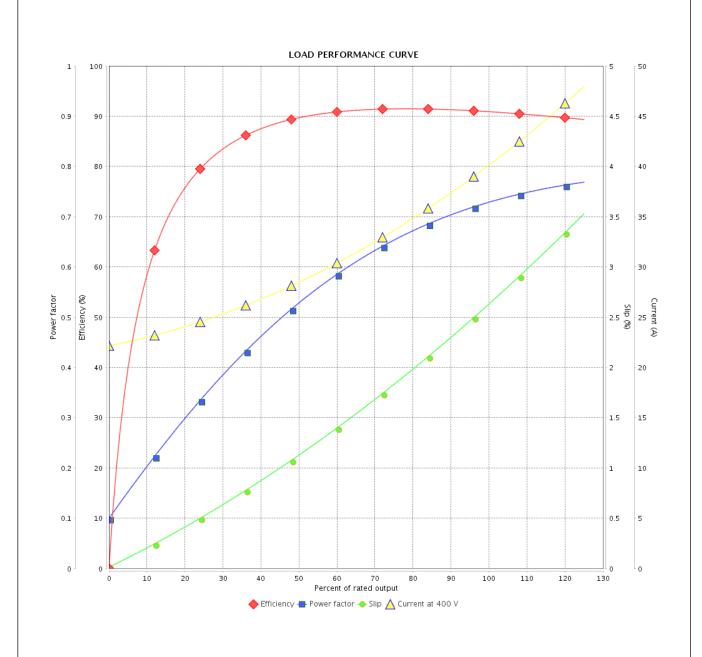
Customer

Product line : NEMA Premium Efficiency Three- Product code :

Phase

Catalog #: 02509XT3E326T

11485689



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Rated speed	: 730 rpm	Design		: B			
Breakdown torque	: 210 %	Temperatu	re rise	: 80 K			
Locked rotor torque	: 200 %	Service fac	ctor	: 1.00			
Rated torque	: 180 ft.lb	Insulation	Insulation class		Insulation class : F		
LRC	: 5.1	Duty cycle		: Cont.(S1)			
Rated current	: 40.2 A	Moment of	inertia (J)	: 11.9 sq.ft.lb			
Performance	: 400 V 50 Hz 8P IE	3					

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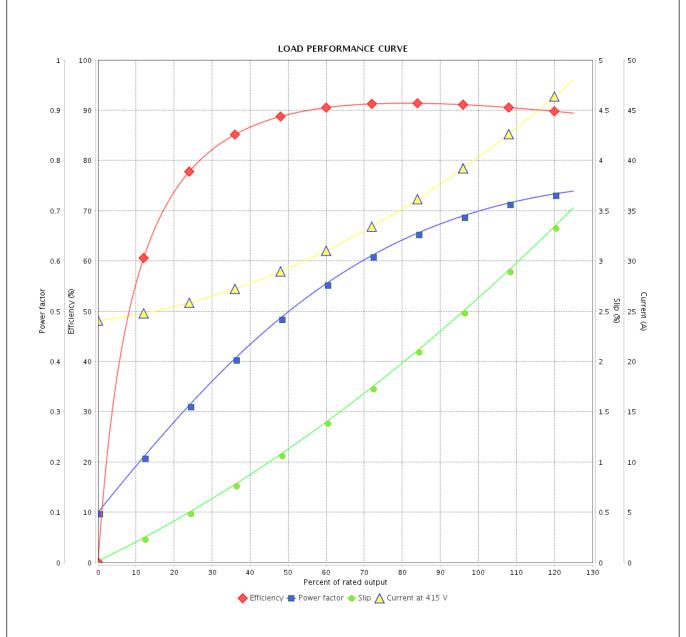
Customer :

Product line : NEMA Premium Efficiency Three- Product of

Phase

Product code: 11485689

Catalog #: 02509XT3E326T



Performance	: 415 V 50 Hz 8P IE3				
Rated current	: 40.4 A	Moment of inertia	a (J)	: 11.9 sq.ft.lb	
LRC	: 5.1	Duty cycle		: Cont.(S1)	
Rated torque	: 180 ft.lb	Insulation class		: F	
Locked rotor torque : 220 %		Service factor		: 1.00	
Breakdown torque	: 229 %	Temperature rise		: 80 K	
Rated speed	: 730 rpm	Design		: B	
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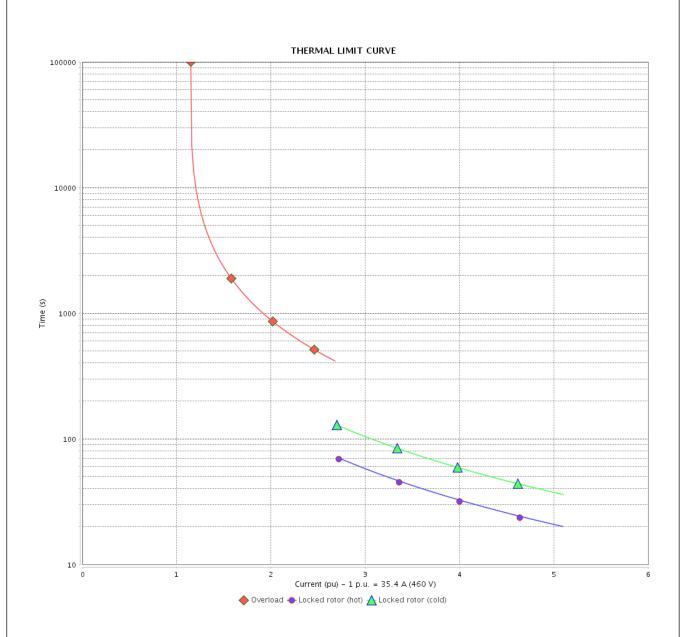


Customer	:					
Product line		NEMA Premium Efficiency `hase		Product code : Catalog # :	11485689 02509XT3E3	26T
Performance		30/460 V 60 Hz 8P				
Rated current LRC	: 70 : 5.	0.8/35.4 A 1	Moment of Duty cycle	of inertia (J) e	: 11.9 sq.ft.lb : Cont.(S1)	
Rated torque Locked rotor tord	: 14	48 ft.lb 20 %	Insulation Service fa	class	: F : 1.15	
Breakdown torqu Rated speed	ie : 24	40 % 85 rpm	Temperat Design		: 80 K : B	
Heating constan						
Cooling constant						
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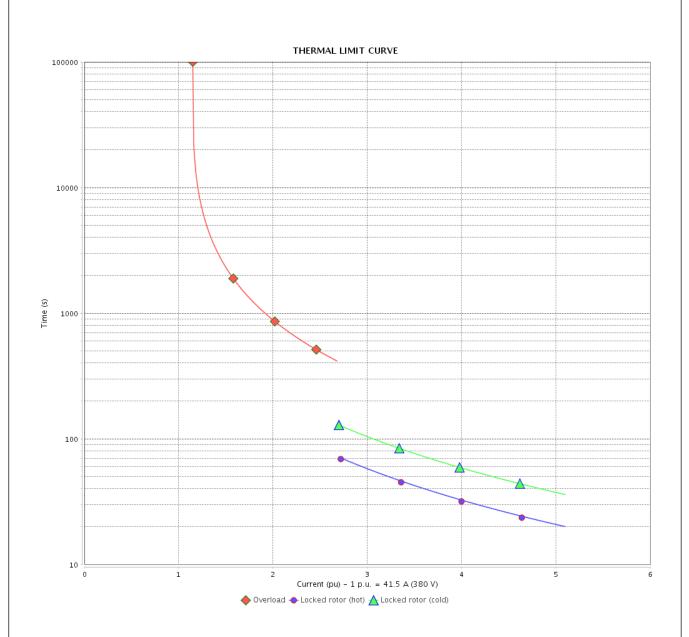


Customer	:					
Product line		NEMA Premium Efficiency ¹ hase		Product code : Catalog # :	11485689 02509XT3E3	·26T
Performance	. 20	80 V 50 Hz 8P IE3				
Rated current		1.5 A	Moment o	of inertia (J)	: 11.9 sq.ft.lb	
LRC	: 5.	.1	Duty cycle	е	: Cont.(S1)	
Rated torque Locked rotor tord		81 ft.lb 80 %	Insulation Service fa		: F : 1.00	
Breakdown torqu	ie : 19	90 %	Temperat		: 80 K	
Rated speed	: 72	25 rpm	Design		: B	
Heating constant						
Cooling constant		Change Comme		Do-f	Ohl !	D-4:
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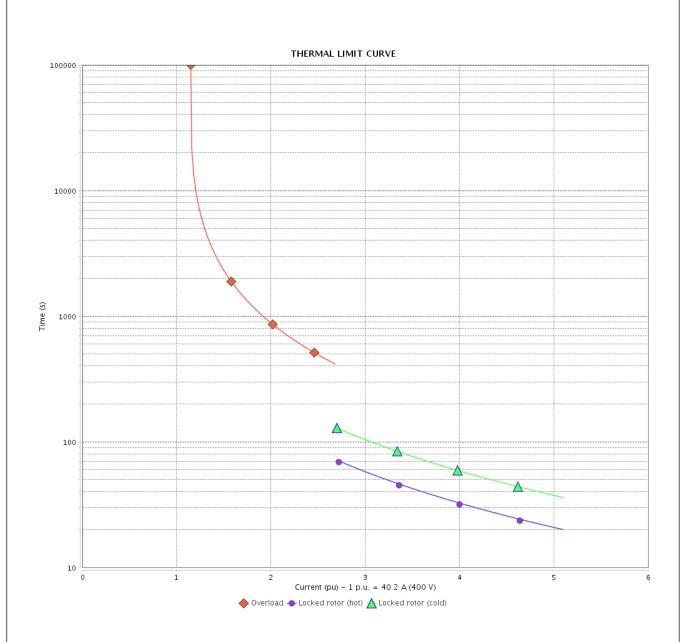


Customer	:					
Product line		NEMA Premium Efficiency [*] hase		Product code : Catalog # :	11485689 02509XT3E3	326T
Performance Rated current LRC Rated torque Locked rotor tord Breakdown torque Rated speed	: 40 : 5. : 18 jue : 20 ie : 2	00 V 50 Hz 8P IE3 0.2 A 1 30 ft.lb 00 % 10 % 30 rpm	Moment of Duty cycle Insulation Service far Temperation Design	class ictor	: 11.9 sq.ft.lb : Cont.(S1) : F : 1.00 : 80 K : B	
Heating constant	<u> </u>	50 Ipili	Design		. U	
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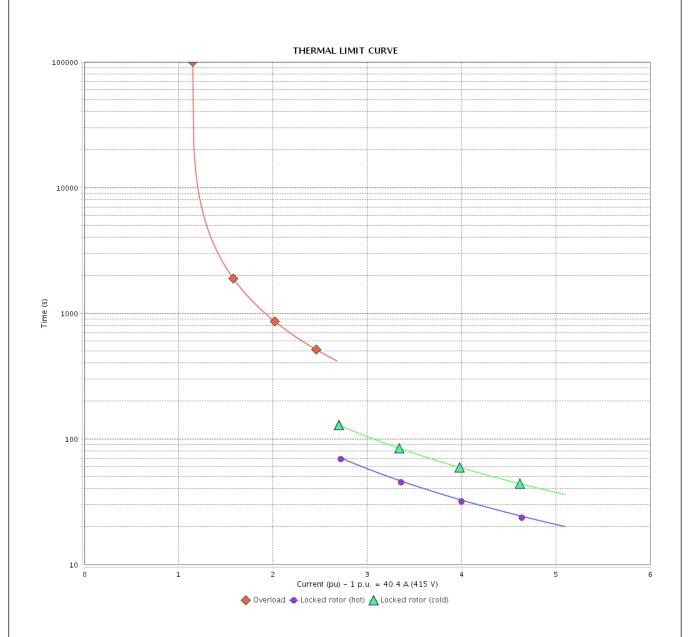


Customer	:					
Product line		NEMA Premium Efficiency [*] hase	Three-	Product code : Catalog # :	11485689 02509XT3E3	26T
Performance Rated current LRC Rated torque Locked rotor tord Breakdown torque Rated speed	: 40 : 5. : 18 jue : 22	15 V 50 Hz 8P IE3 0.4 A 1 30 ft.lb 20 % 29 % 30 rpm	Moment of Duty cycle Insulation Service for Temperat Design	class actor	: 11.9 sq.ft.lb : Cont.(S1) : F : 1.00 : 80 K : B	
Heating constant						
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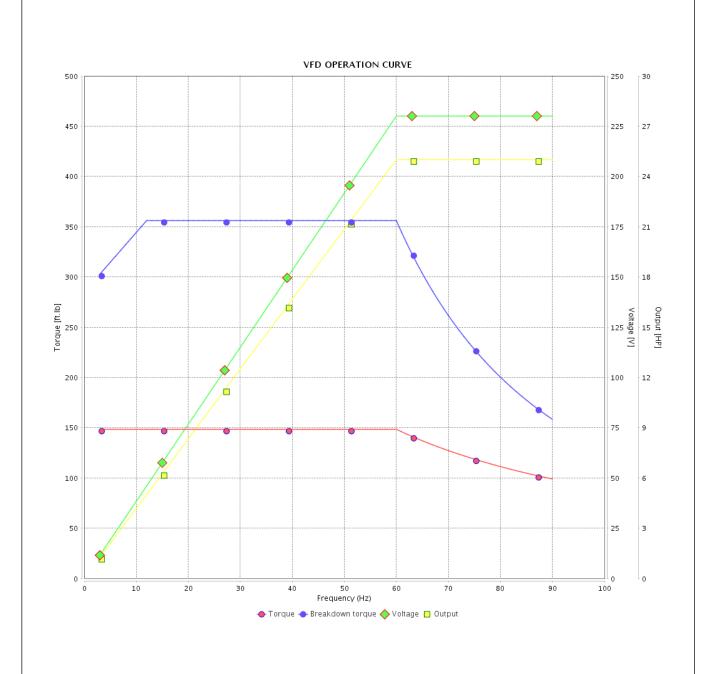
Customer

Product line : NEMA Premium Efficiency Three- Product code :

Phase

Catalog # : 02509XT3E326T

11485689



Performance	:	230/460 V 60 Hz 8P				
Rated current	:	70.8/35.4 A	Moment of inertia (J)		: 11.9 sq.ft.lb	
LRC	:	: 5.1)	: Cont.(S1)	
Rated torque	:	148 ft.lb	Insulation class		:F	
Locked rotor torque	e :	220 %	Service factor		: 1.15	
Breakdown torque	:	: 240 %		ıre rise	: 80 K	
Rated speed	:	885 rpm	Design		: B	
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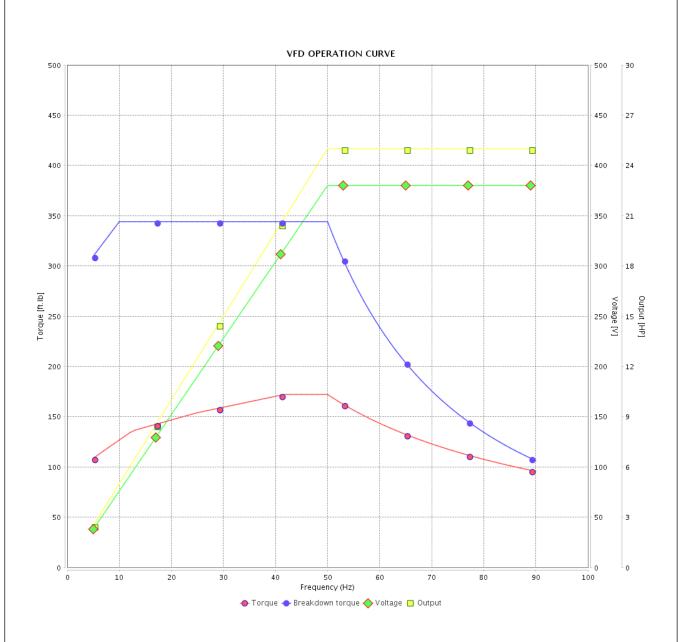
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Product line : NEMA Premium Efficiency Three-

Phase

Product code: 11485689

Catalog #: 02509XT3E326T



Performance	: 380 V 50 Hz	z 8P IE3				
Rated current LRC Rated torque Locked rotor tord Breakdown torqu Rated speed	: 41.5 A : 5.1 : 181 ft.lb : 180 % : 190 % : 725 rpm		Moment o Duty cycle Insulation Service fa Temperatu Design	class ctor	: 11.9 sq.ft.lb : Cont.(S1) : F : 1.00 : 80 K : B	
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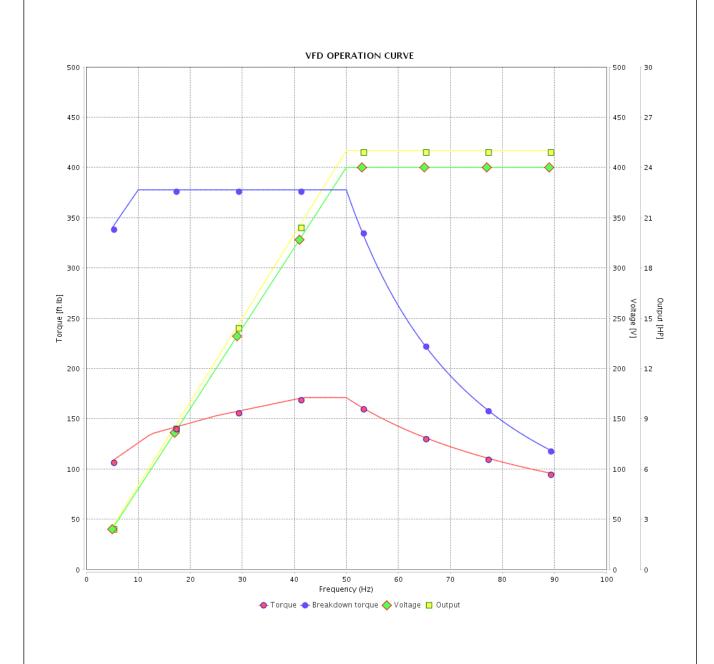
Customer :

Product line : NEMA Premium Efficiency Three-

Phase

Product code: 11485689

Catalog #: 02509XT3E326T



Performance	: 4	00 V 50 Hz 8P IE3				
Rated current	: 4	0.2 A	Moment of inertia (J)		: 11.9 sq.ft.lb	
LRC	: 5	: 5.1 Duty c : 180 ft.lb Insulat)	: Cont.(S1) : F	
Rated torque	: 1			class		
Locked rotor torque	e : 2	00 %	Service factor		: 1.00	
Breakdown torque	: 2	10 %	Temperati	ıre rise	: 80 K	
Rated speed	: 7	: 730 rpm		Design		
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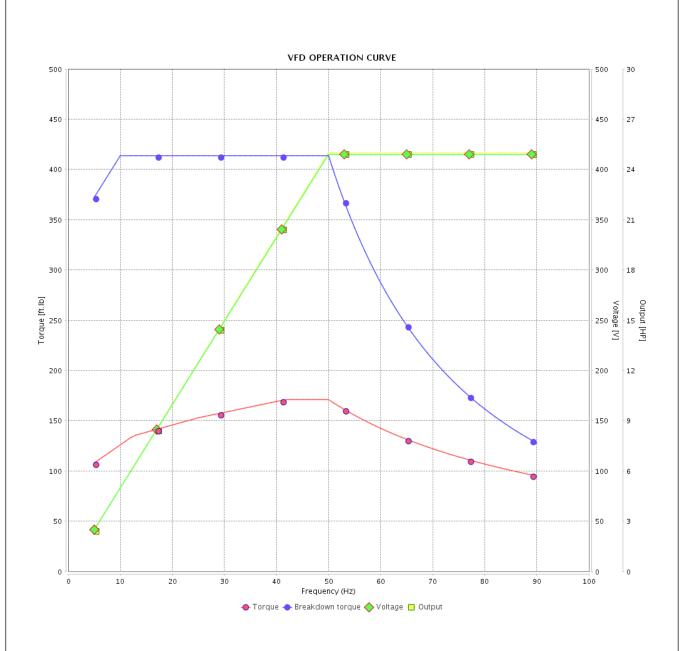
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Product line : NEMA Premium Efficiency Three-

Phase

Product code: 11485689

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Performance : 415 V 50 Hz 8P IE3 Rated current : 40.4 A Moment of inertia (J) : 11.9 sq.ft.lb **LRC** Duty cycle : Cont.(S1) : 5.1 : 180 ft.lb Insulation class : F Rated torque Locked rotor torque : 220 % Service factor : 1.00 Breakdown torque : 229 % Temperature rise : 80 K Rated speed : 730 rpm Design : B Rev. Performed Checked Date **Changes Summary** Performed by

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