DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer

Product line : NEMA Premium Efficiency Three-Product code: 11626903

Catalog #: 15012ET3E447T-W22

Frame : 445/7T Cooling method : IC411 - TEFC

Insulation class Mounting : F-1

Duty cycle : Cont.(S1) Rotation¹ : Both (CW and CCW)

: -20°C to +40°C Starting method Ambient temperature : Direct On Line

: 1000 m.a.s.l. Approx. weight³ : 2284 lb Altitude Protection degree : IP55 Moment of inertia (J) : 134 sq.ft.lb

	-							
Design		: B						
Output [HP]		150	125	125	125	150	150	150
Poles		6	6	6	6	6	6	6
Frequency [Hz]		60	50	50	50	50	50	50
Rated voltage [V]		230/460	380	400	415	380	400	415
Rated current [A]		352/176	174	167	165	211	201	196
L. R. Amperes [A]		2182/1091	1044	1086	1155	1055	1106	1176
LRC [A]		6.2x(Code	6.0x(Code F)	6.5x(Code	7.0x(Code H)	5.0x(Code E)	5.5x(Code F)	6.0x(Code
		G)		Ġ)				G)
No load current [A		140/70.0	70.0	74.0	78.0	70.0	74.0	78.0
Rated speed [RPN	1]	1187	987	989	990	982	985	986
Slip [%]		1.08	1.30	1.10	1.00	1.80	1.50	1.40
Rated torque [ft.lb]		664	665	664	663	802	800	799
Locked rotor torque [%]		240	240	270	290	190	220	240
Breakdown torque	[%]	250	240	270	290	200	229	250
Service factor		1.15	1.00	1.00	1.00	1.00	1.00	1.00
Temperature rise		80 K	80 K	80 K	80 K	105 K	105 K	105 K
Locked rotor time		36s (cold)	27s (cold)	27s (cold)	27s (cold)	27s (cold)	27s (cold)	27s (cold)
		20s (hot)	15s (hot)	15s (hot)	15s (hot)	15s (hot)	15s (hot)	15s (hot)
Noise level ²		69.0 dB(A)						
	25%							
Efficiency (%)	50%	95.0	94.8	94.5	94.5	95.0	95.0	95.0
Emclericy (70)	75%	95.4	95.1	95.1	95.1	95.0	95.0	95.0
	100%	95.8	94.9	95.1	95.1	94.5	95.0	95.0
	25%							
Power Factor	50%	0.67	0.67	0.64	0.60	0.73	0.70	0.67
Fower Factor	75%	0.78	0.79	0.76	0.74	0.82	0.80	0.78
	100%	0.82	0.83	0.82	0.80	0.84	0.83	0.82

Non drive end Foundation loads Drive end

Bearing type 6319 C3 6316 C3 Max. traction : 4182 lb Sealing WSeal WSeal : 6466 lb Max. compression Lubrication interval 13000 h 16000 h

Lubricant amount 45 g 34 g Lubricant type Mobil Polyrex EM

Notes

USABLE @208V 389A SF 1.00 SFA 389A

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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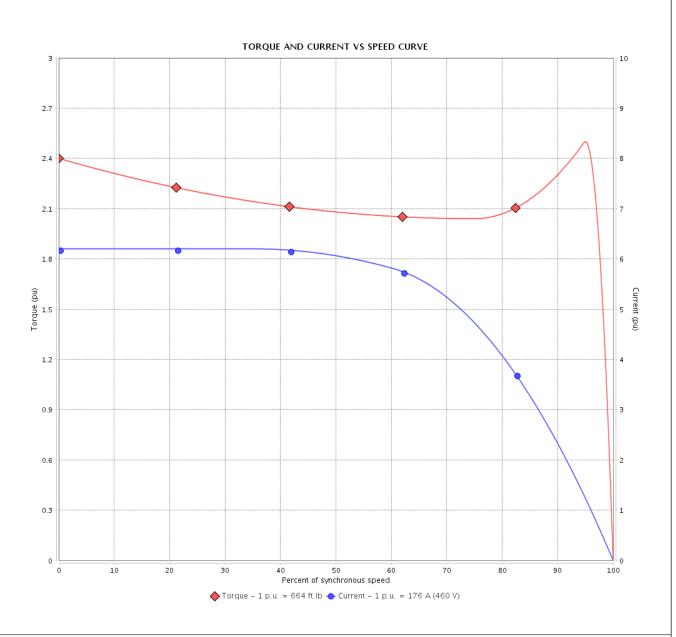


Customer :

Product line : NEMA Premium Efficiency Three- Product code : 11626903

Phase

Catalog #: 15012ET3E447T-W22



Performance	: 230/460 V 60 Hz 6P			
Rated current LRC Rated torque Locked rotor torque Breakdown torque Rated speed	: 352/176 A : 6.2 : 664 ft.lb : 240 % : 250 % : 1187 rpm	Moment of inertia (J) Duty cycle Insulation class Service factor Temperature rise Design	: 134 sq.ft.lb : Cont.(S1) : F : 1.15 : 80 K : B	
Lasted speed	. 1107 Ipili	Design	. Б	

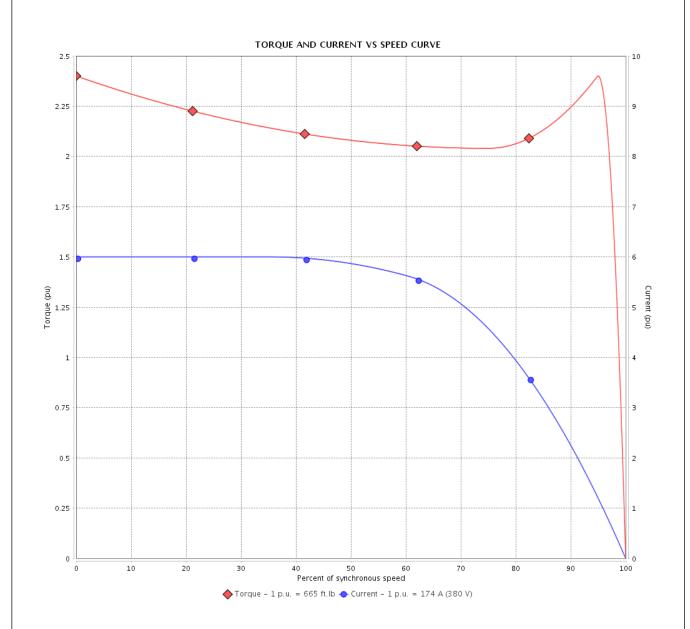
Locked rotor time : 36s (cold) 20s (hot)

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Customer Product line : NEMA Premium Efficiency Three-Product code: 11626903 Catalog #: 15012ET3E447T-W22



Performance : 380 V 50 Hz 6P IE3 Rated current : 174 A Moment of inertia (J) : 134 sq.ft.lb **LRC** : 6.0 Duty cycle : Cont.(S1) : 665 ft.lb Insulation class : F Rated torque Locked rotor torque : 240 % Service factor : 1.00 Breakdown torque : 240 % Temperature rise : 80 K : B Rated speed : 987 rpm Design Locked rotor time : 27s (cold) 15s (hot)

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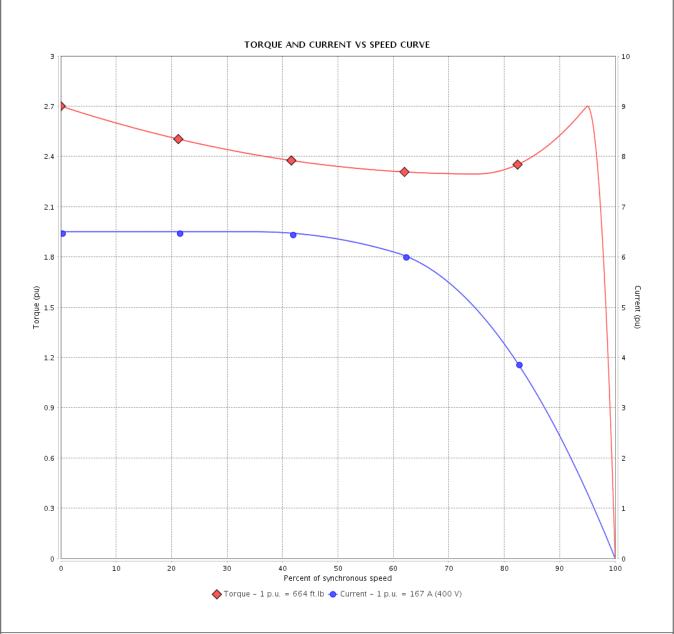
Customer :

Product line : NEMA Premium Efficiency Three-

Phase

Product code: 11626903

Catalog #: 15012ET3E447T-W22



Performance : 400 V 50 Hz 6P IE3 Rated current : 167 A Moment of inertia (J) : 134 sq.ft.lb **LRC** : 6.5 Duty cycle : Cont.(S1) Insulation class Rated torque : 664 ft.lb : F Locked rotor torque : 270 % Service factor : 1.00 Breakdown torque : 270 % Temperature rise : 80 K Rated speed : 989 rpm Design : B

Locked rotor time : 27s (cold) 15s (hot)

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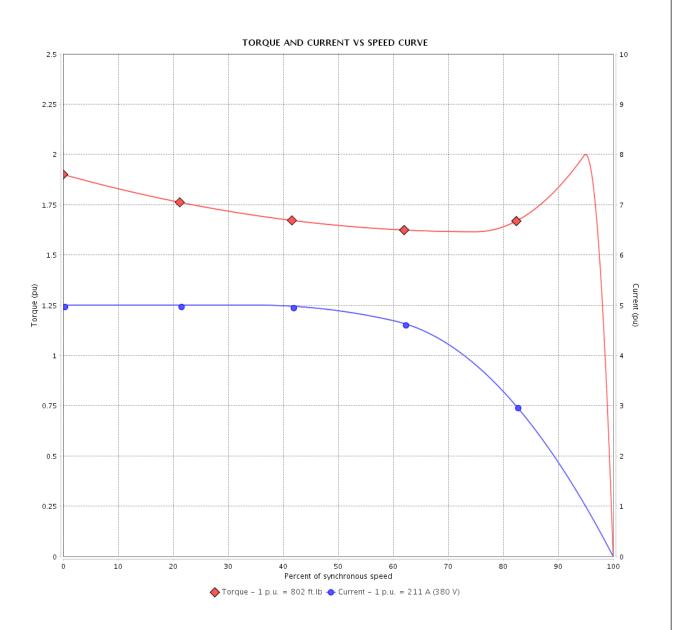


Customer :

Product line : NEMA Premium Efficiency Three- Product code : 11626903

Phase

Catalog #: 15012ET3E447T-W22



Performance	: 380 V 50 Hz 6P IE2			
Rated current	: 211 A	Moment of inertia (J)	: 134 sq.ft.lb	
LRC	: 5.0	Duty cycle	: Cont.(S1)	
Rated torque	: 802 ft.lb	Insulation class	: F	
Locked rotor torque	: 190 %	Service factor	: 1.00	
Breakdown torque	: 200 %	Temperature rise	: 105 K	
Rated speed	: 982 rpm	Design	: B	
Locked rotor time	· 27s (cold) 15s (hot)			

Locked rotor time : 27s (cold) 15s (hot)

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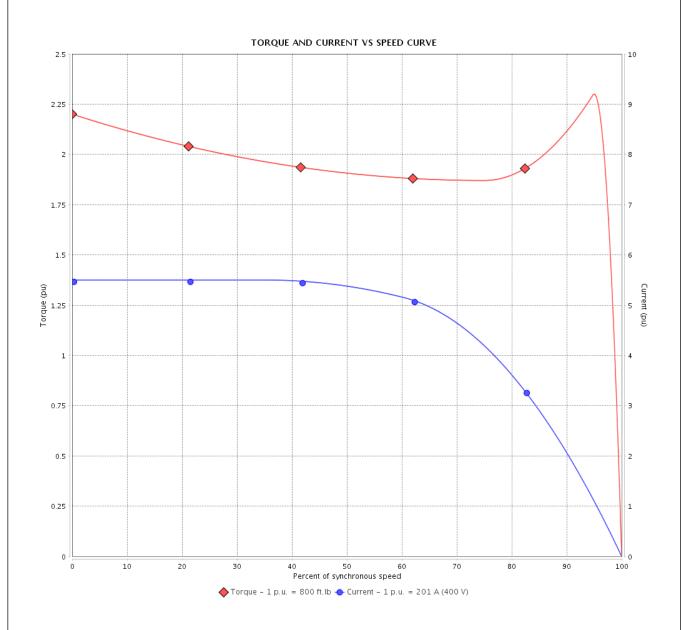


Customer

Product line : NEMA Premium Efficiency Three-

Product code: 11626903

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Performance	: 400 V 50 Hz 6P IE2		
Rated current	: 201 A	Moment of inertia (J)	: 134 sq.ft.lb
LRC	: 5.5	Duty cycle	: Cont.(S1)
Rated torque	: 800 ft.lb	Insulation class	: F
Locked rotor torque	: 220 %	Service factor	: 1.00
Breakdown torque	: 229 %	Temperature rise	: 105 K
Rated speed	: 985 rpm	Design	: B
Locked rotor time	· 27s (cold) 15s (hot)		

LOCKCO TOTOL TITLE	. 2	73 (cold) 103 (flot)			
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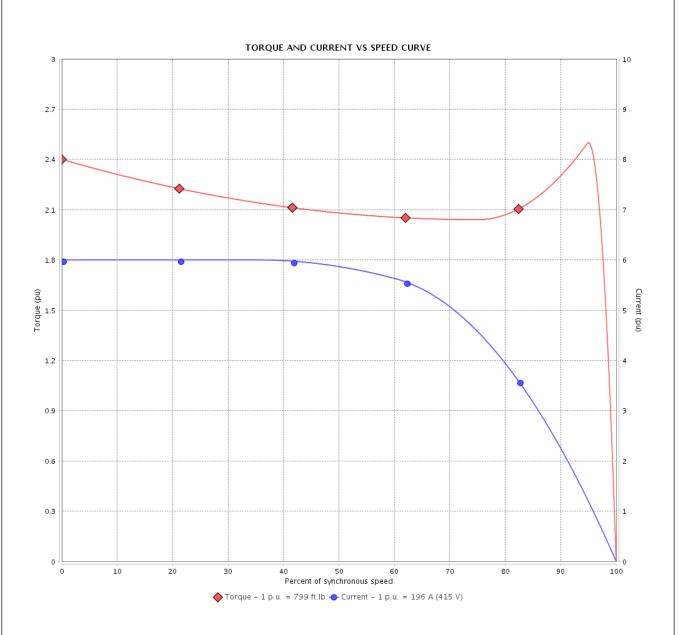
Customer :

Product line : NEMA Premium Efficiency Three-

Phase

Product code: 11626903

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Performance	: 415 V 50 Hz 6P IE2		
Rated current	: 196 A	Moment of inertia (J)	: 134 sq.ft.lb
LRC	: 6.0	Duty cycle	: Cont.(S1)
Rated torque	: 799 ft.lb	Insulation class	: F
Locked rotor torque	: 240 %	Service factor	: 1.00
Breakdown torque	: 250 %	Temperature rise	: 105 K
Rated speed	: 986 rpm	Design	: B
			

Locked rotor time : 27s (cold) 15s (hot)

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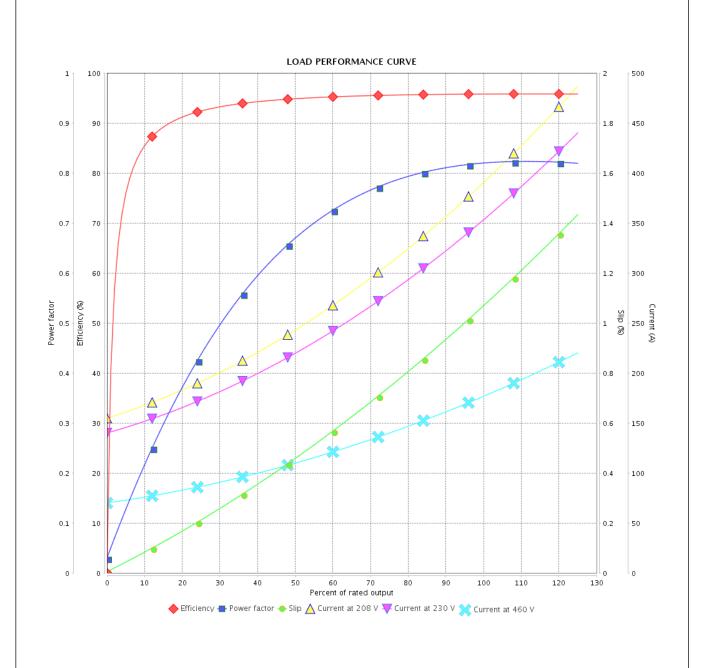


Customer

Product line : NEMA Premium Efficiency Three- Product code : 11626903

Phase

Catalog #: 15012ET3E447T-W22



Performance	: 230/460 V 60 Hz 6P					
Rated current	Rated current : 352/176 A		Moment o	f inertia (J)	: 134 sq.ft.lb	
LRC	: (6.2	Duty cycle	;	: Cont.(S1)	
Rated torque	: (664 ft.lb	Insulation	class	: F	
Locked rotor torque	e ::	240 %	Service fa	ctor	: 1.15	
Breakdown torque	::	: 250 % Ten		ıre rise	: 80 K	
Rated speed : 1187 rpm		1187 rpm	Design		: B	
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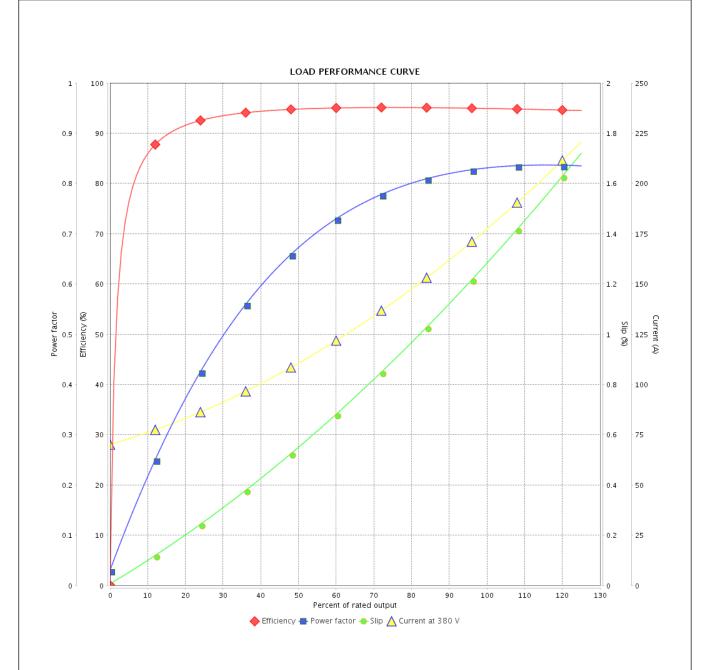
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Phase

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Performance	: 380 V 50 Hz 6P IE3			
Rated current LRC Rated torque Locked rotor torque Breakdown torque Rated speed	: 174 A : 6.0 : 665 ft.lb : 240 % : 240 % : 987 rpm	Moment of inertia (J) Duty cycle Insulation class Service factor Temperature rise Design	: 134 sq.ft.lb : Cont.(S1) : F : 1.00 : 80 K : B	
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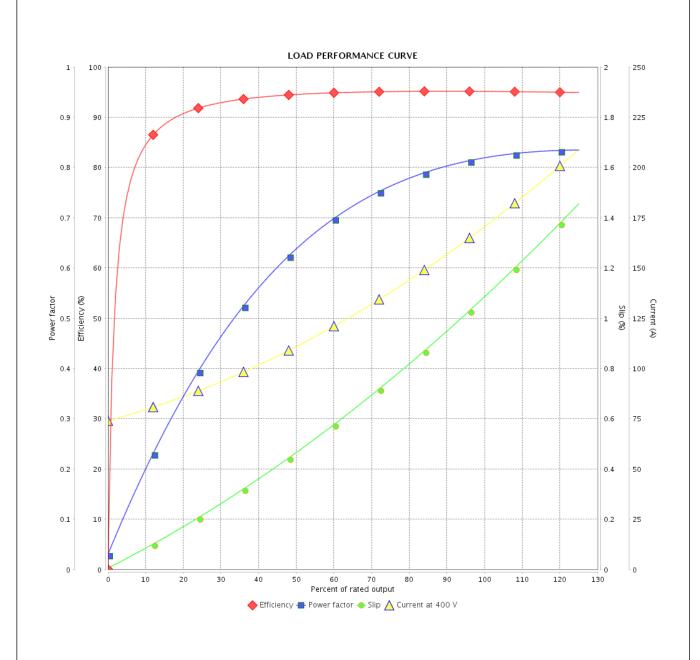
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Performance	: 400 V 50 Hz 6P IE3				
Rated current	: 167 A	Moment of inertia (J)		: 134 sq.ft.lb	
LRC	: 6.5	Duty cycle		: Cont.(S1)	
Rated torque	: 664 ft.lb	Insulation cl	ass	: F	
Locked rotor torque	: 270 %	Service factor		: 1.00	
Breakdown torque	: 270 %	Temperature rise		: 80 K	
Rated speed	: 989 rpm	Design	Design		
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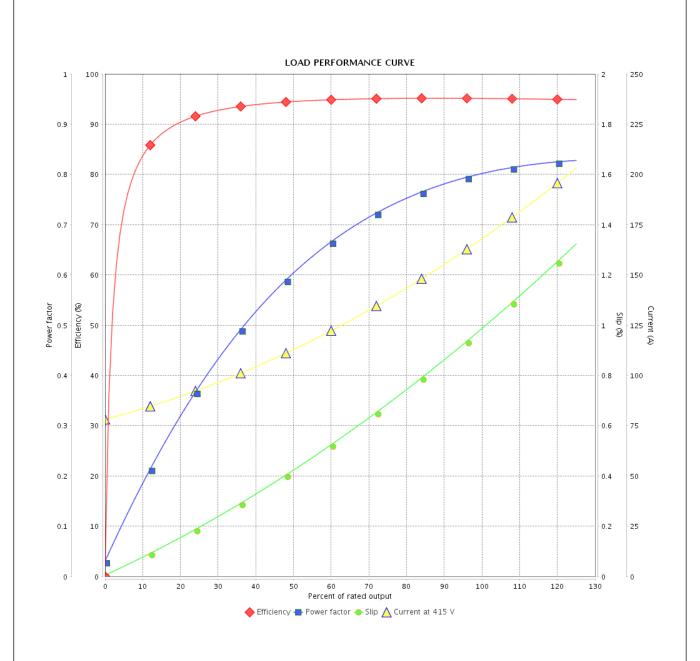
Three Phase Induction Motor - Squirrel Cage



Customer

Product line : NEMA Premium Efficiency Three-Product code: 11626903

Catalog #: 15012ET3E447T-W22



Performance	: 4	415 V 50 Hz 6P IE3				
Rated current	:1	: 165 A Moment of i		of inertia (J)	: 134 sq.ft.lb	
LRC	: 7	7.0	Duty cycle	9	: Cont.(S1)	
Rated torque	: 6	663 ft.lb	Insulation	class	: F	
Locked rotor torqu	ue : 2	290 %	Service fa	ictor	: 1.00	
Breakdown torque	e : 2	: 290 % Temperature rise Design		ure rise	: 80 K	
Rated speed	: 9				: B	
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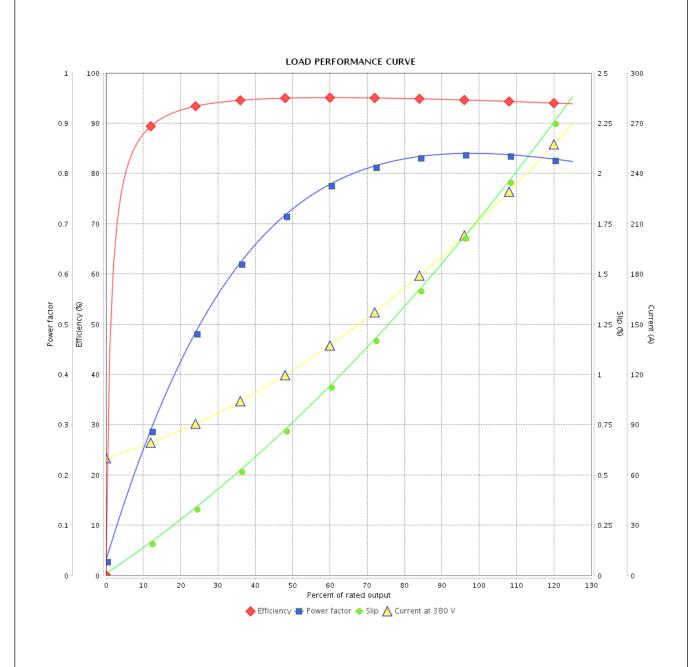
Customer

Product line : NEMA Premium Efficiency Three- Product code :

Phase

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Performance	: 3	: 380 V 50 Hz 6P IE2				
Rated current	ated current : 211 A		Moment o	Moment of inertia (J)		
LRC	: 5	5.0	Duty cycle		: Cont.(S1)	
Rated torque	: 8	02 ft.lb	Insulation	class	: F	
Locked rotor torqu	ie : 1	90 %	Service fa	ctor	: 1.00	
Breakdown torque	: 2	: 200 % Temperature rise Design		ıre rise	: 105 K	
Rated speed	: 9				: B	
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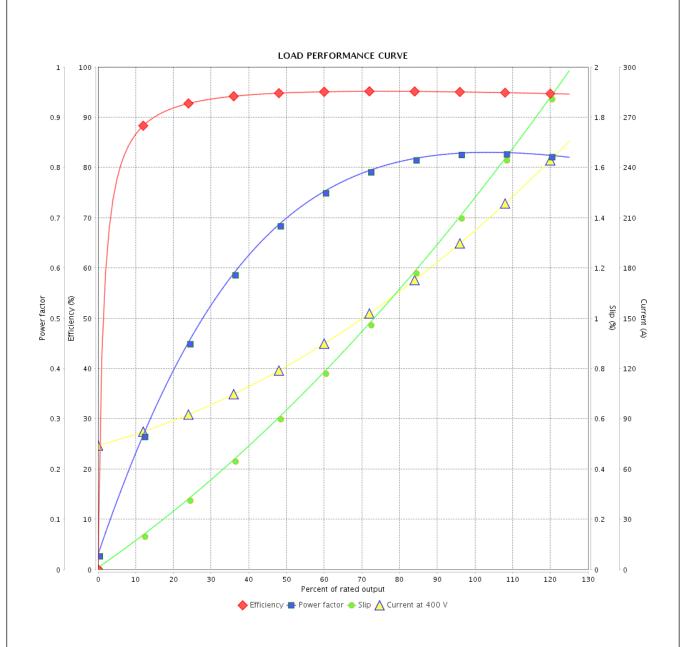
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Performance	: 400 V 50 Hz 6P IE2				
Rated current LRC Rated torque Locked rotor torque Breakdown torque Rated speed	: 201 A : 5.5 : 800 ft.lb : 220 % : 229 % : 985 rpm	Moment of Duty cycle Insulation Service fa Temperate Design	class ector	: 134 sq.ft.lb : Cont.(S1) : F : 1.00 : 105 K : B	
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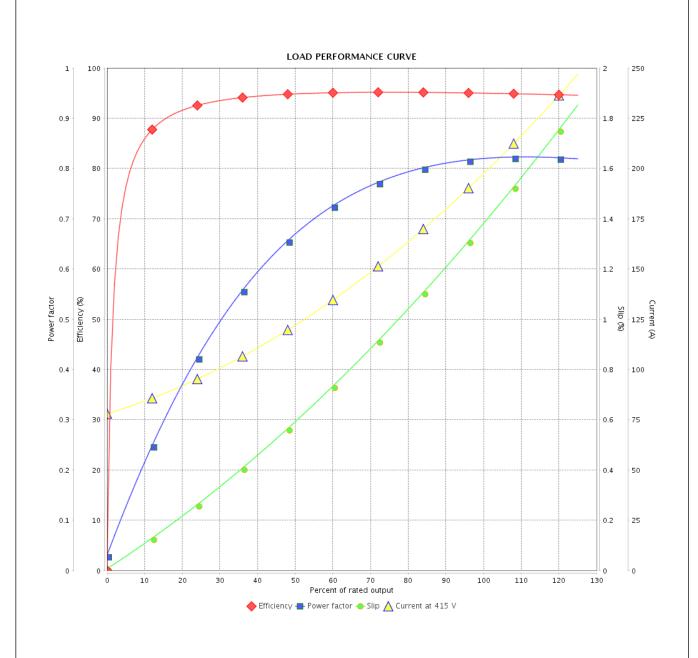
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Phase

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Performance : 415 V 50 Hz 6P IE2		2				
Rated current LRC Rated torque Locked rotor torque Breakdown torque Rated speed		: 196 A : 6.0 : 799 ft.lb : 240 % : 250 % : 986 rpm	Duty cycle : Co Insulation class : F Service factor : 1.0		: 1.00 : 105 K	
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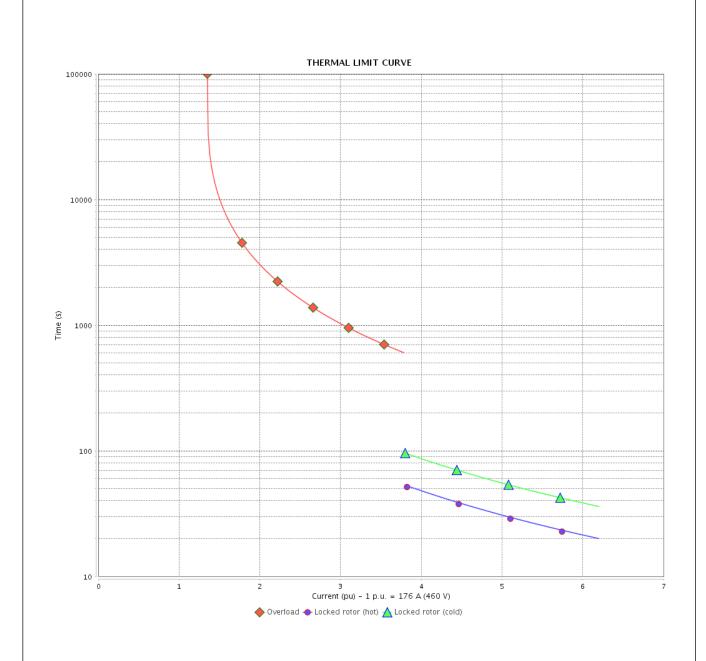


Customer	:				
Product line	: NEMA Premium Efficiency Phase		Product code :	11626903 15012ET3E44	17T-W22
Performance Rated current LRC Rated torque Locked rotor torque Breakdown torque Rated speed	: 230/460 V 60 Hz 6P : 352/176 A : 6.2 : 664 ft.lb : 240 % : 250 % : 1187 rpm	Moment or Duty cycle Insulation Service far Temperatu Design	class ctor	: 134 sq.ft.lb : Cont.(S1) : F : 1.15 : 80 K : B	
Heating constant Cooling constant Rev.	Changes Summary		Performed	Checked	Date
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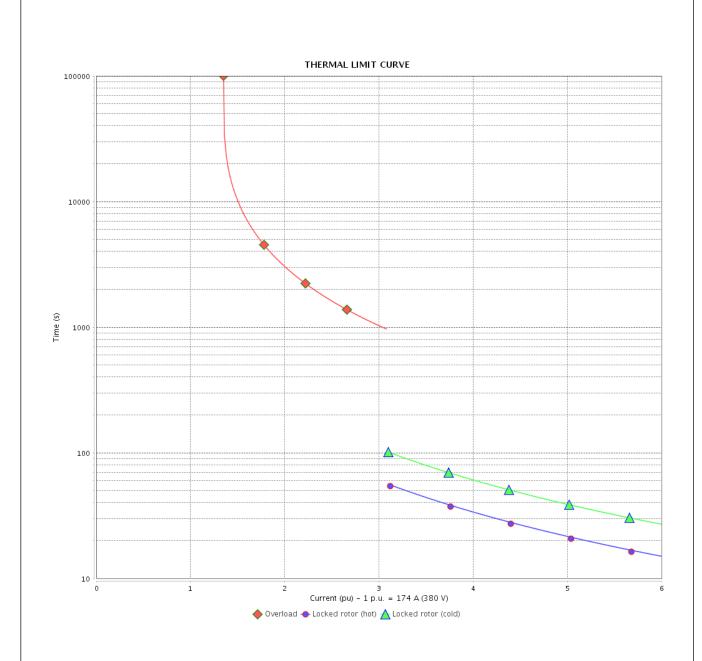


Customer	:				
Product line	: NEMA Premium Effic Phase		Product code :	11626903 15012ET3E4	17T-W22
Performance Rated current LRC Rated torque Locked rotor torque Breakdown torque Rated speed	: 380 V 50 Hz 6P IE3 : 174 A : 6.0 : 665 ft.lb : 240 % : 240 % : 987 rpm	Moment o Duty cycle Insulation Service fa Temperatu Design	class ctor	: 134 sq.ft.lb : Cont.(S1) : F : 1.00 : 80 K : B	
Heating constant Cooling constant Rev.	Changes Summary		Performed	Checked	Date
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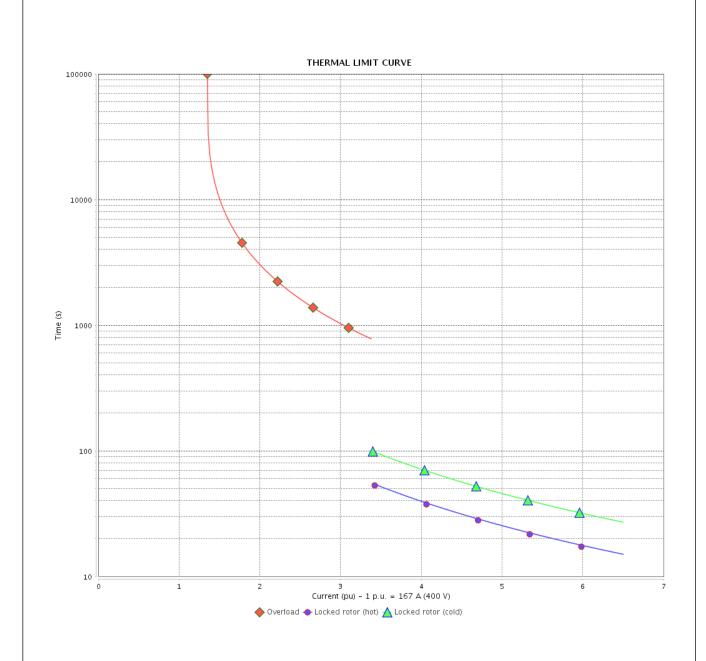


Customer	:					
Product line		NEMA Premium Efficiency hase	Three-	Product code :	11626903	
	FI	nase		Catalog # :	15012ET3E44	47T-W22
Performance		00 V 50 Hz 6P IE3	N4	£:	. 404 # 11-	
Rated current LRC	: 6.		Duty cycle	f inertia (J)	: 134 sq.ft.lb : Cont.(S1)	
Rated torque Locked rotor torque		64 ft.lb 70 %	Insulation Service fa	class	: F : 1.00	
Breakdown torque	: 27	70 %	Temperatu		: 80 K	
Rated speed	: 98	39 rpm	Design		: B	
Heating constant						
Cooling constant Rev.		Changes Summary		Performed	Checked	Date
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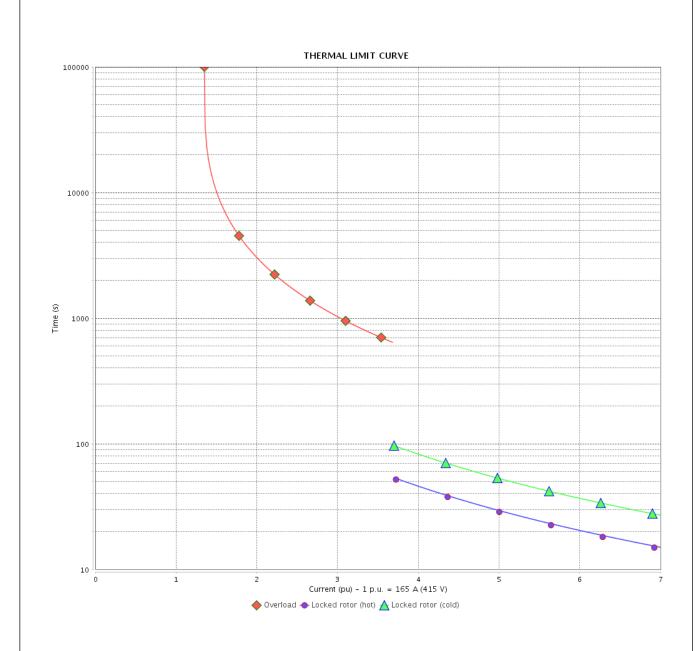


Customer		:				
Product line		: NEMA Premium Efficiency Phase		Product code :	11626903 15012ET3E4	47T-W22
Performance		415 V 50 Hz 6P IE3				
Rated current LRC Rated torque Locked rotor tord Breakdown torque Rated speed	: : que :	165 A 7.0 663 ft.lb 290 % 290 % 990 rpm	Moment o Duty cycle Insulation Service fa Temperatu Design	class ctor	: 134 sq.ft.lb : Cont.(S1) : F : 1.00 : 80 K : B	
Heating constant	t					
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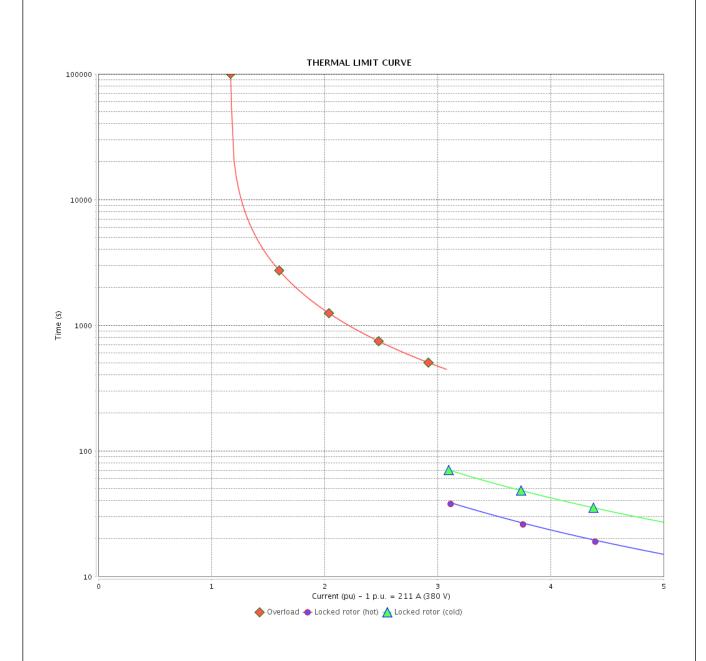


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Product line	: NEMA Premium Efficiency Phase	Three- Produc	et code : 1162690	3
	Thate	Catalo	g#: 15012ET	3E447T-W22
Performance	: 380 V 50 Hz 6P IE2			
Rated current LRC Rated torque Locked rotor torque Breakdown torque Rated speed	: 211 A : 5.0 : 802 ft.lb : 190 % : 200 % : 982 rpm	Moment of inertial Duty cycle Insulation class Service factor Temperature rise Design	: Cont.(S1 : F : 1.00	lb)
	<u>r</u>		· -	
Heating constant Cooling constant				
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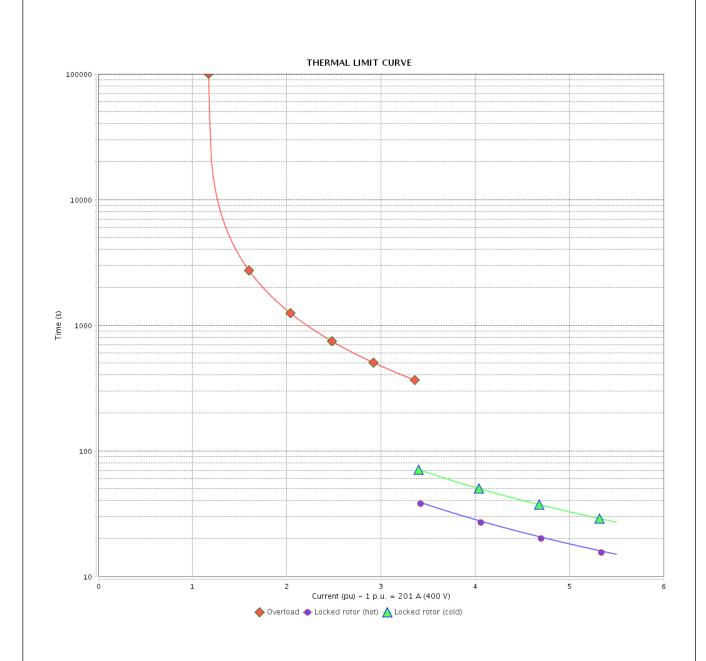


Customer		:				
Product line		: NEMA Premium Efficiency Phase		Product code : Catalog # :	11626903 15012ET3E44	17T-W22
Performance		: 400 V 50 Hz 6P IE2				
Rated current LRC		: 201 A : 5.5	Moment of Duty cycle	of inertia (J) e	: 134 sq.ft.lb : Cont.(S1)	
Rated torque		: 800 ft.lb	Insulation	class	: F	
Locked rotor tord		: 220 %	Service fa		: 1.00 : 105 K	
Breakdown torqu Rated speed		: 229 % : 985 rpm	Temperati Design	ure rise	: 105 K : B	
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Cooling constant	L	Changes Cumres		Donforms	Charles	Data
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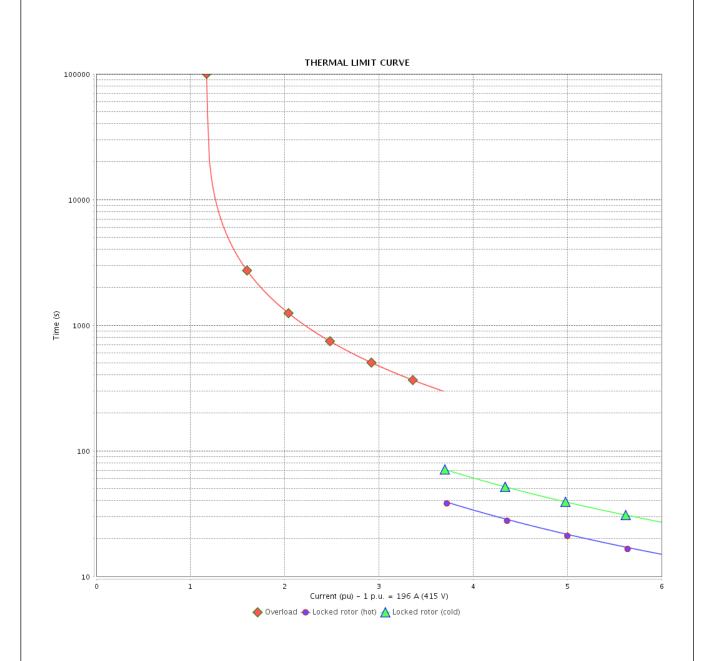


Customer		:				
Product line		: NEMA Premium Efficiency Phase		Product code : Catalog # :	11626903 15012ET3E44	17T W/22
					1001221024	771 VVZZ
Performance		: 415 V 50 Hz 6P IE2	1			
Rated current LRC		: 196 A : 6.0	Moment of Duty cycle	of inertia (J) e	: 134 sq.ft.lb : Cont.(S1)	
Rated torque		: 799 ft.lb	Insulation	class	: F	
Locked rotor tord Breakdown torqu		: 240 % : 250 %	Service fa Temperati		: 1.00 : 105 K	
Rated speed		: 986 rpm	Design	<u> </u>	: B	
Heating constan						
Cooling constant	t	Change Commi		Dout	Ob!!	D-4-
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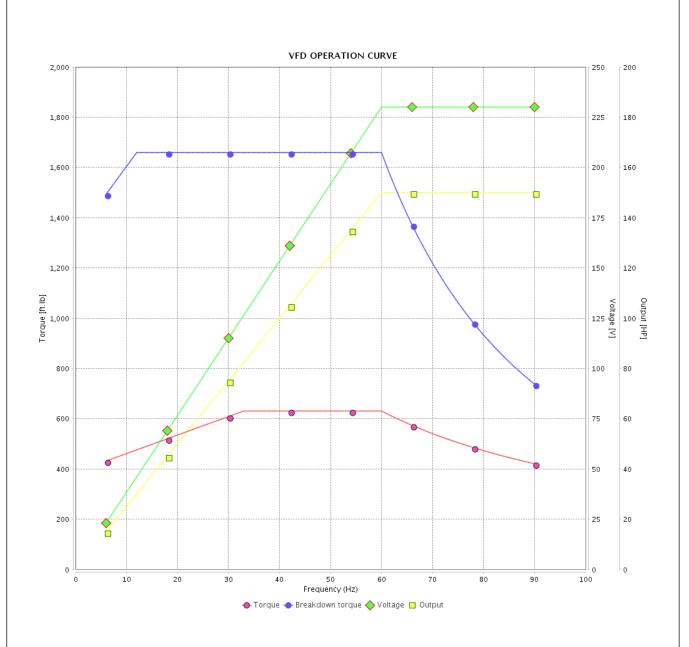
Customer :

Product line : NEMA Premium Efficiency Three- F

Phase

Product code: 11626903

Catalog #: 15012ET3E447T-W22



Performance	:	230/460 V 60 Hz 6F	<u> </u>			
Rated current LRC Rated torque Locked rotor tord Breakdown torqu Rated speed	que :	352/176 A 6.2 664 ft.lb 240 % 250 % 1187 rpm	Moment of Duty cycle Insulation Service fa Temperatu Design	class ctor	: 134 sq.ft.lb : Cont.(S1) : F : 1.15 : 80 K : B	
Rev.		Changes Summa	nry	Performed	Checked	Date
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Three Phase Induction Motor - Squirrel Cage



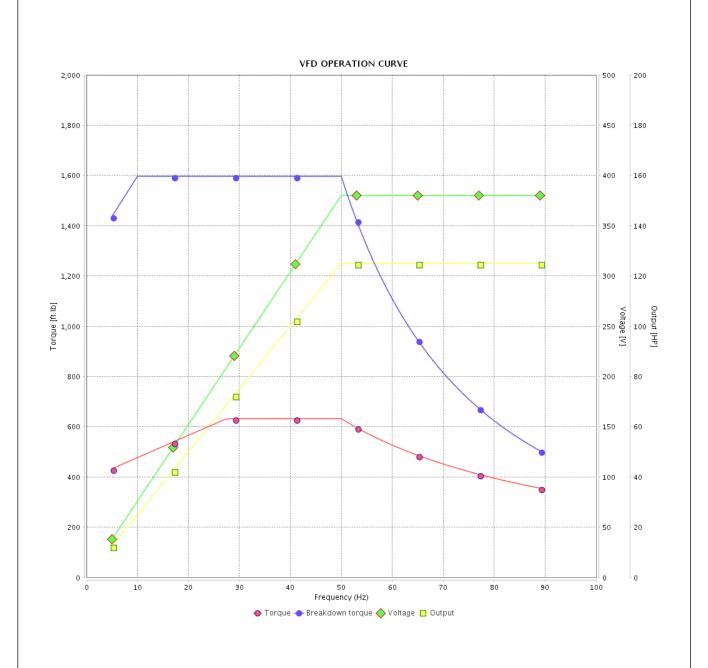
Customer

Product line : NEMA Premium Efficiency Three- Product code : 11626903

Phase

Catalog #: 15012ET3E447T-W22

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Performance	: 380 V 50 Hz 6P IE3				
Rated current LRC Rated torque Locked rotor torque Breakdown torque Rated speed	: 174 A : 6.0 : 665 ft.lb : 240 % : 240 % : 987 rpm	Moment of Duty cycle Insulation of Service fact Temperature Design	class ctor	: 134 sq.ft.lb : Cont.(S1) : F : 1.00 : 80 K : B	
Rev.	Changes Summary		Performed	Checked	Date
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Date

Three Phase Induction Motor - Squirrel Cage



Customer :

Checked by

Date

13/04/2022

Product line : NEMA Premium Efficiency Three- F

Phase

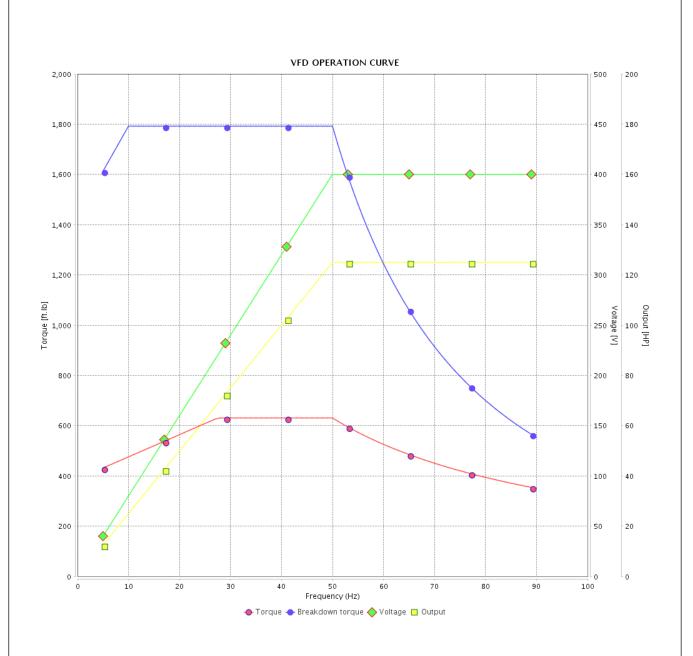
Product code: 11626903

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Performance	: 400 V 50 Hz 6P IE3				
Rated current LRC Rated torque Locked rotor torque Breakdown torque Rated speed	: 167 A : 6.5 : 664 ft.lb : 270 % : 270 % : 989 rpm	Moment of Duty cycle Insulation Service fa Temperati Design	class ctor	: 134 sq.ft.lb : Cont.(S1) : F : 1.00 : 80 K : B	
Rev.	Changes Summary		Performed	Checked	Date
Performed by					

Three Phase Induction Motor - Squirrel Cage

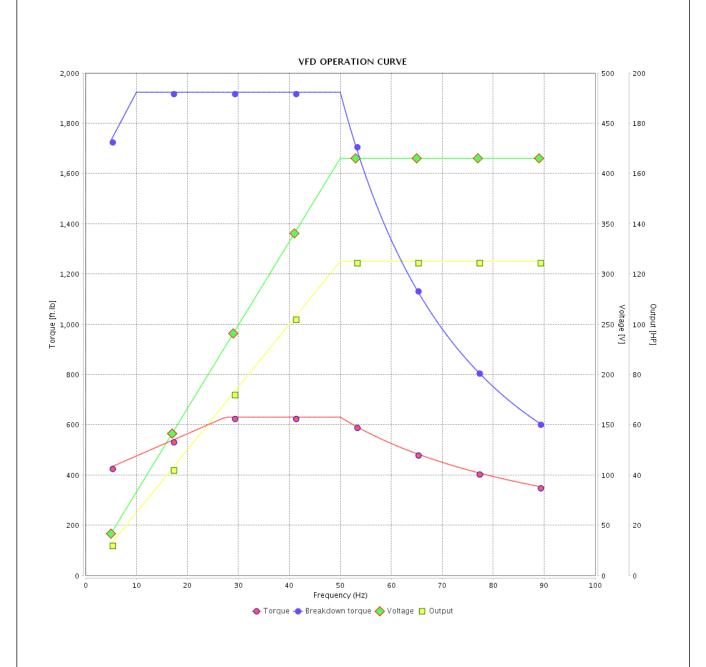


Customer

Product line : NEMA Premium Efficiency Three- Product code : 11626903

Phase

Catalog #: 15012ET3E447T-W22



- ·					·				
Performance		: 415 V 50 Hz 6P IE3							
Rated current		65 A	Moment o	Moment of inertia (J)		: 134 sq.ft.lb			
LRC	: 7.	.0	Duty cycle		: Cont.(S1)				
Rated torque	: 60	663 ft.lb Insulat		class	: F				
Locked rotor torqu	ue : 29	90 %	Service factor		: 1.00				
Breakdown torque	e : 29	90 %	Temperati	Temperature rise					
Rated speed	: 99	: 990 rpm			: B				
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Customer :

Checked by

Date

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Product line : NEMA Premium Efficiency Three-

Phase

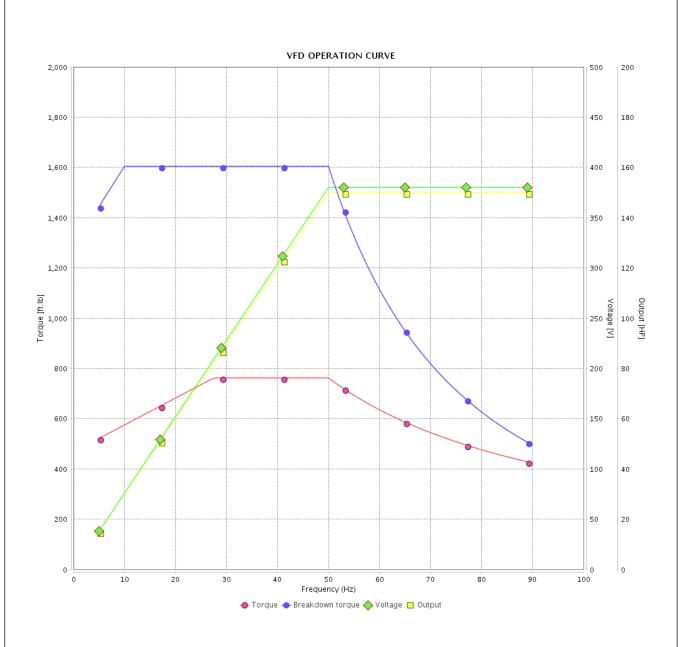
Product code: 11626903

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Performance		: 380 V 50 H	Iz 6P IE2				
Rated current LRC Rated torque Locked rotor torque Breakdown torque Rated speed		: 211 A : 5.0 : 802 ft.lb : 190 % : 200 % : 982 rpm		Moment of inertia (J) Duty cycle Insulation class Service factor Temperature rise Design		: 134 sq.ft.lb : Cont.(S1) : F : 1.00 : 105 K : B	
Rev.	Changes Summary		Performed	Checked	Date		
Performed by							

Three Phase Induction Motor - Squirrel Cage



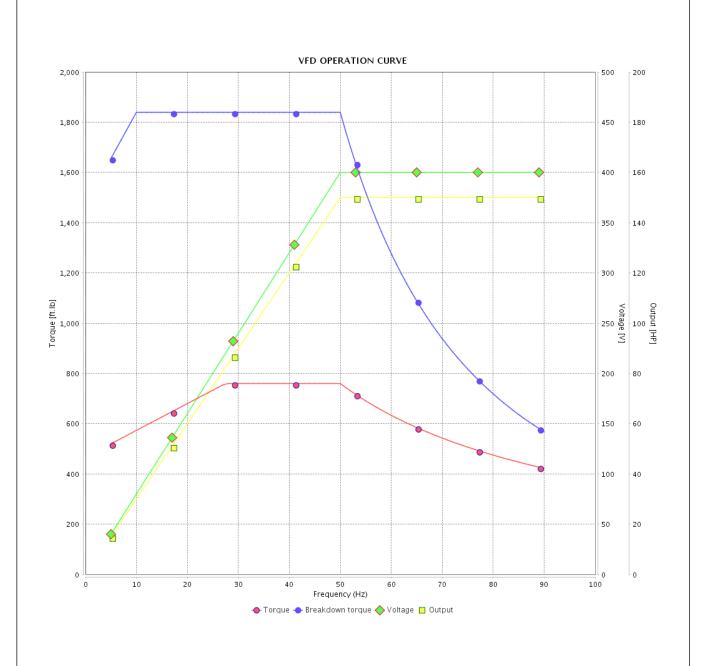
Customer

Product line : NEMA Premium Efficiency Three- Product code :

Phase

Catalog #: 15012ET3E447T-W22

11626903



Performance :		: 400 V 50 Hz 6P IE2							
Rated current	: 20	01 A Moment of inertia (J)		: 134 sq.ft.lb					
LRC	: 5	.5	Duty cycle		: Cont.(S1)				
Rated torque	: 80	: 800 ft.lb Insul		class	:F				
Locked rotor torqu	ie : 2:	20 %	Service factor		: 1.00				
Breakdown torque	: 2:	29 %	Temperati	Temperature rise					
Rated speed	: 98	: 985 rpm		Design					
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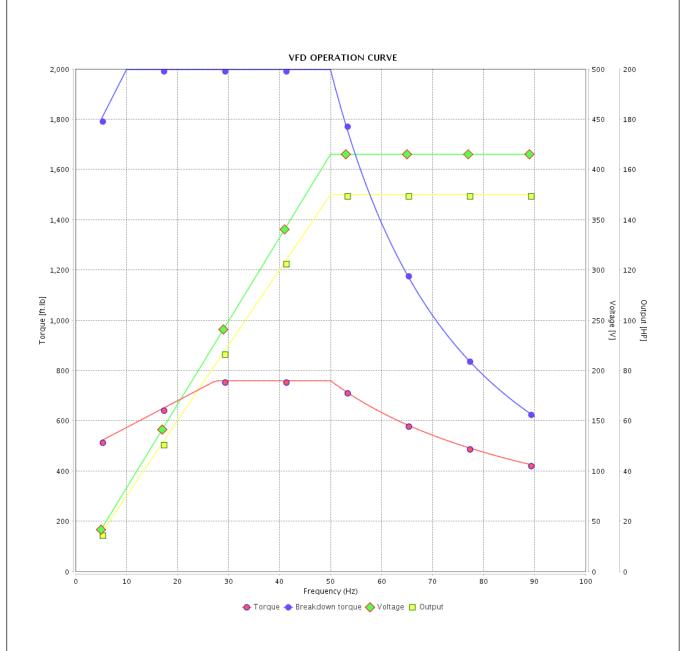
Customer :

Product line : NEMA Premium Efficiency Three-

Phase

Product code: 11626903

Catalog #: 15012ET3E447T-W22



Performance	: 4′	: 415 V 50 Hz 6P IE2							
Rated current LRC Rated torque Locked rotor tord Breakdown torqu Rated speed	: 6. : 79 que : 24 ue : 28	96 A 0 99 ft.lb 40 % 50 % 86 rpm	Moment of inertia (J) Duty cycle Insulation class Service factor Temperature rise Design		: 134 sq.ft.lb : Cont.(S1) : F : 1.00 : 105 K : B				
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