### **DATA SHEET**

#### Three Phase Induction Motor - Squirrel Cage



Customer

Product line : NEMA Premium Efficiency Three-Product code: 11582913

Catalog #: 15012XT3G447T

Frame : 447T Cooling method : IC411 - TEFC

Insulation class Mounting : F-1

Duty cycle : Cont.(S1) Rotation<sup>1</sup> : Both (CW and CCW)

Ambient temperature : -20°C to +40°C Starting method : Direct On Line : 1000 m.a.s.l. Approx. weight<sup>3</sup> : 2660 lb Altitude

Moment of inertia (J) Protection degree : IP55 : 134 sq.ft.lb

Design : B Output [HP] 150 125 125 125 Poles 6 6 6 6 Frequency [Hz] 50 50 50 60 Rated voltage [V] 460 380 400 415 Rated current [A] 173 174 166 164 L. R. Amperes [A] 1305 1228 1394 1311 7.5x(Code H) 7.1x(Code H) 7.9x(Code J) 8.5x(Code K) LRC [A] No load current [A] 66.0 66.0 70.0 73.0 Rated speed [RPM] 1190 990 990 990 Slip [%] 0.83 1.00 1.00 1.00 Rated torque [ft.lb] 662 663 663 663 Locked rotor torque [%] 260 240 270 290 Breakdown torque [%] 260 260 290 310 Service factor 1.15 1.00 1.00 1.00 Temperature rise 80 K 80 K 80 K 80 K Locked rotor time 75s (cold) 42s (hot) 36s (cold) 20s (hot) 36s (cold) 20s (hot) 36s (cold) 20s (hot) Noise level<sup>2</sup> 73.0 dB(A) 73.0 dB(A) 73.0 dB(A) 73.0 dB(A) 25% 94.9 94.4 94.3 94.3 50% 95.0 94.5 94.5 94.5 Efficiency (%) 75% 95.0 95.4 95.4 95.8 95.4 95.4 100% 95.8 95.0 0.44 0.38 25% 0.44 0.41 50% 0.68 0.68 0.65 0.62

> Drive end Non drive end Foundation loads

0.78

0.83

Bearing type 6319 C3 6316 C3 Max. traction : 4149 lb Sealing Oil Seal Lip Seal Max. compression : 6810 lb

0.78

0.83

Lubrication interval 11094 h 12823 h Lubricant amount 45 g 34 g Mobil Polyrex EM Lubricant type

75%

100%

Notes

Power Factor

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.

0.76

0.82

0.74

0.80

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## DATA SHEET

### Three Phase Induction Motor - Squirrel Cage



Customer		

#### Thermal protection

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

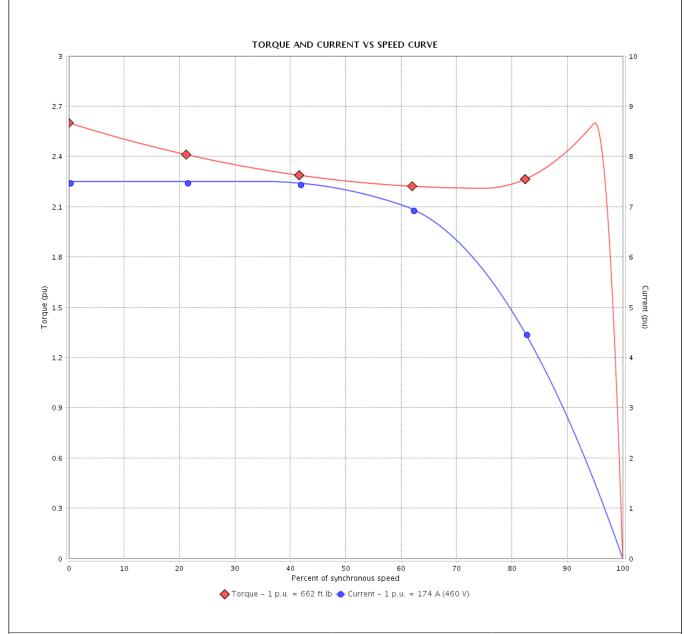
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### Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : NEMA Premium Efficiency Three-Product code : 11582913
Phase Catalog # : 15012XT3G447T



Performance	: 460 V 60 Hz 6P			
Rated current	: 174 A	Moment of inertia (J)	: 134 sq.ft.lb	
LRC	: 7.5	Duty cycle	: Cont.(S1)	
Rated torque	: 662 ft.lb	Insulation class	: F	
Locked rotor torque	: 260 %	Service factor	: 1.15	
Breakdown torque	: 260 %	Temperature rise	: 80 K	
Rated speed	: 1190 rpm	Design	: B	
Locked rotor time	: 75s (cold) 42s (hot)			

## Three Phase Induction Motor - Squirrel Cage



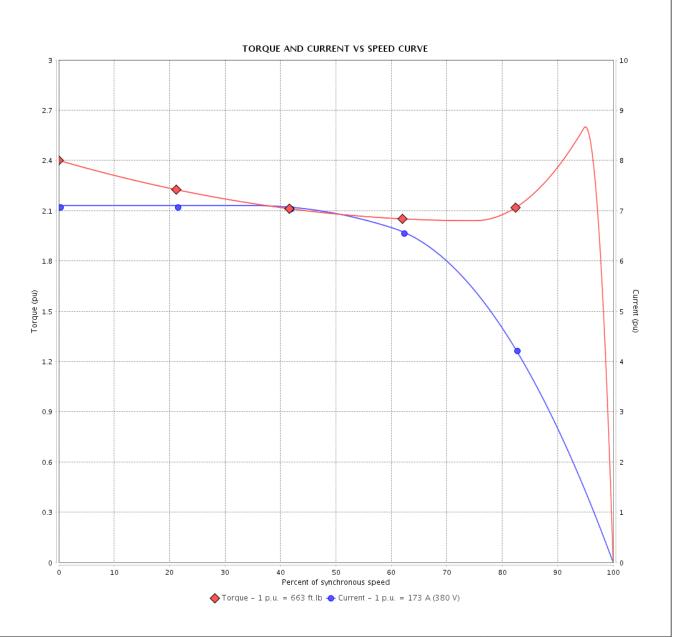
Customer :

Product line : NEMA Premium Efficiency Three-

Phase

Product code: 11582913

Catalog #: 15012XT3G447T



Performance	: 380 V 50 Hz 6P IE3		
Rated current LRC Rated torque Locked rotor torque Breakdown torque Rated speed	: 173 A : 7.1 : 663 ft.lb : 240 % : 260 % : 990 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

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

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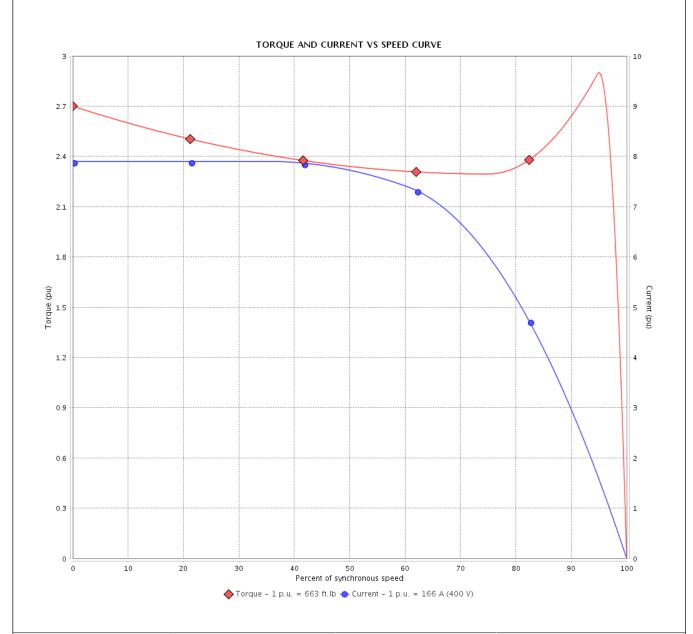


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Customer :

Product line : NEMA Premium Efficiency Three- Product code : 11582913
Phase

Catalog #:



Performance : 400 V 50 Hz 6P IE3 Rated current : 166 A Moment of inertia (J) : 134 sq.ft.lb **LRC** : 7.9 Duty cycle : Cont.(S1) Insulation class : F Rated torque : 663 ft.lb Locked rotor torque : 270 % Service factor : 1.00 Breakdown torque : 290 % Temperature rise : 80 K Rated speed : 990 rpm Design : B Locked rotor time : 36s (cold) 20s (hot)

### Three Phase Induction Motor - Squirrel Cage



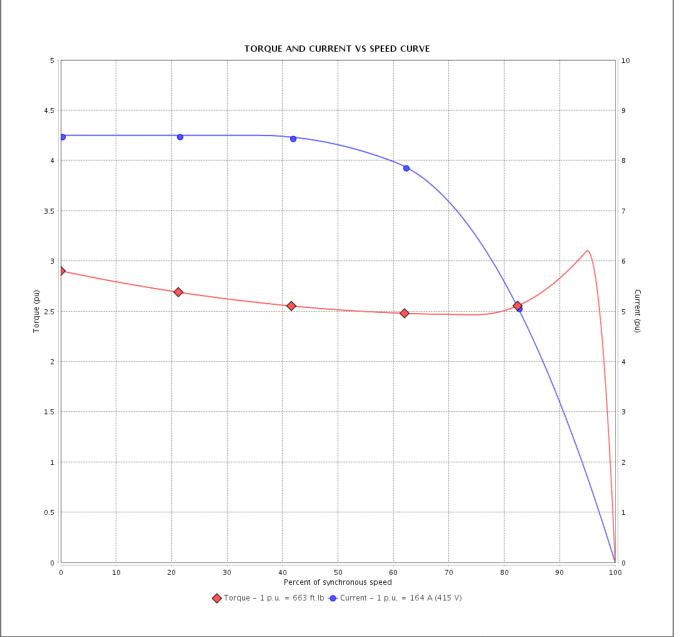
Customer :

Product line : NEMA Premium Efficiency Three- Product code :

Phase

Catalog # : 15012XT3G447T

11582913



Performance	: 415 V 50 Hz 6P IE3		
Rated current	: 164 A	Moment of inertia (J)	: 134 sq.ft.lb
LRC	: 8.5	Duty cycle	: Cont.(S1)
Rated torque	: 663 ft.lb	Insulation class	: F
Locked rotor torque	: 290 %	Service factor	: 1.00
Breakdown torque	: 310 %	Temperature rise	: 80 K
Rated speed	: 990 rpm	Design	: B
Locked reter time	: 36s (sold) 20s (bot)	I	

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

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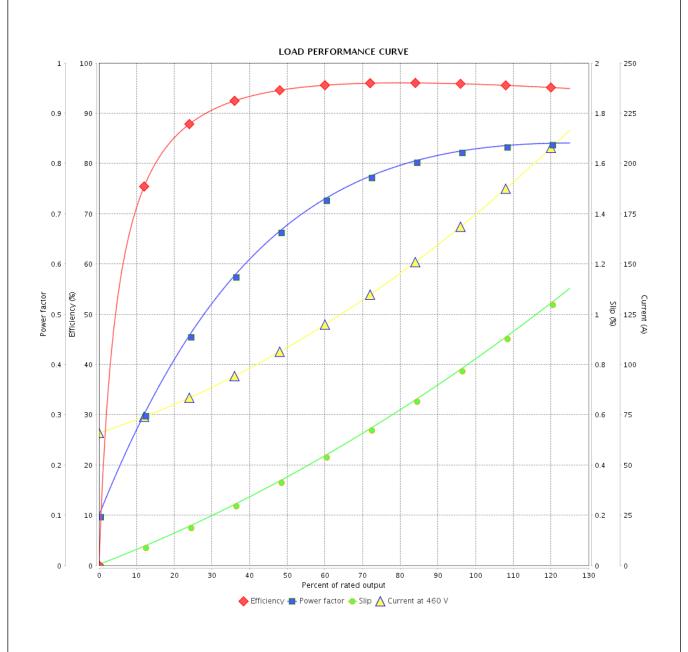


Customer

Product line : NEMA Premium Efficiency Three- Product code : 11582913

Phase

Catalog #: 15012XT3G447T



Performance	: 460 V 60 Hz 6P				
Rated current LRC	: 174 A : 7.5	Moment of inertia (J) Duty cycle Insulation class Service factor Temperature rise Design		: 134 sq.ft.lb : Cont.(S1)	
Rated torque Locked rotor torque	: 662 ft.lb : 260 %			: F : 1.15	
Breakdown torque Rated speed	: 260 % : 1190 rpm			: 80 K : B	
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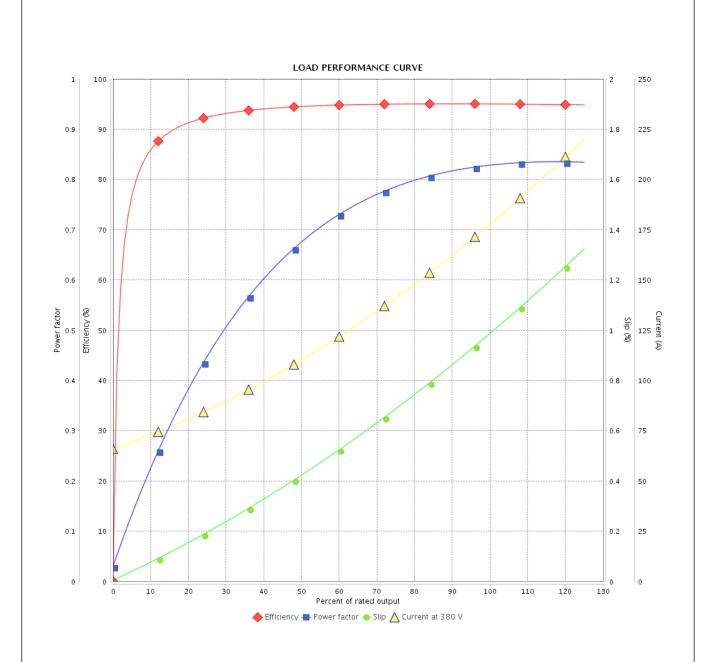
Customer :

Product line : NEMA Premium Efficiency Three- Product code :

Phase

Catalog #: 15012XT3G447T

11582913



Performance	: 3	380 V 50 Hz 6P IE3				
Rated current	: '	173 A	Moment of	of inertia (J)	: 134 sq.ft.lb	
LRC	: 7	7.1	Duty cycle	е	: Cont.(S1)	
Rated torque	: 6	663 ft.lb	Insulation	class	: F	
Locked rotor tord	que : 2	240 %			: 1.00	
Breakdown torqu	ie : 2	260 %			: 80 K	
Rated speed	: 9	990 rpm	Design		: B	
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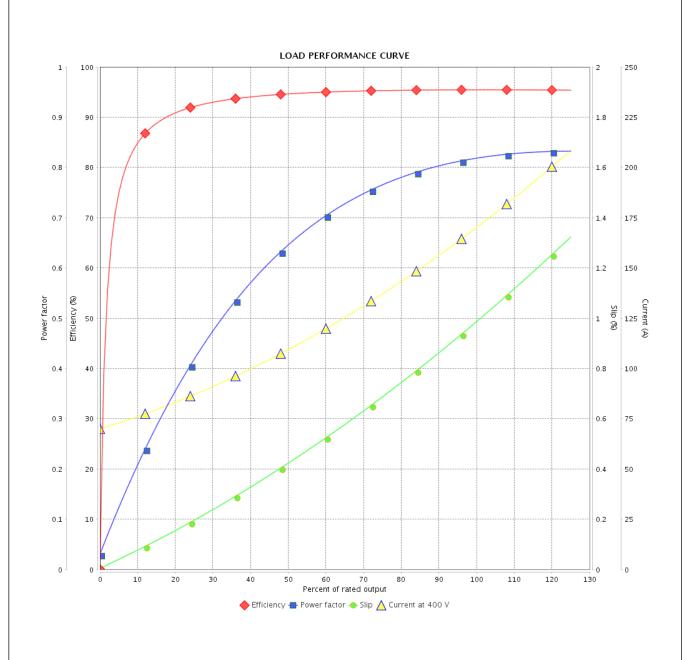


Customer

Product line : NEMA Premium Efficiency Three- Product code : 11582913

Phase

Catalog #: 15012XT3G447T



Performance	: 40	00 V 50 Hz 6P IE3				
Rated current	: 10	66 A	Moment o	f inertia (J)	: 134 sq.ft.lb	
LRC	: 7.	.9	Duty cycle	<b>:</b>	: Cont.(S1)	
Rated torque	: 60	63 ft.lb	Insulation	class	: F	
Locked rotor torque	e : 2°	70 %	Service fa	ctor	: 1.00	
Breakdown torque	: 29	90 %	Temperature rise		: 80 K	
Rated speed	: 99	90 rpm	Design		: B	
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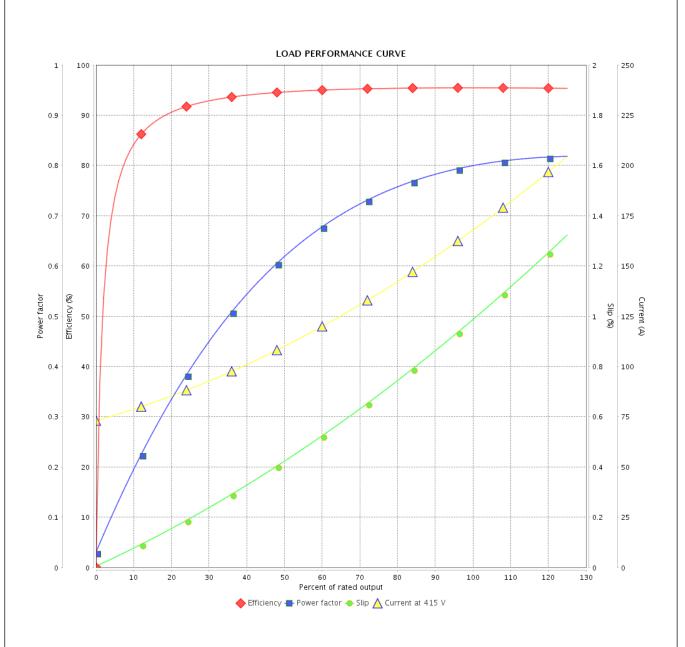
Customer :

Product line : NEMA Premium Efficiency Three- Produ

Phase

Product code: 11582913

Catalog #: 15012XT3G447T



Performance	: 415 V 50 Hz 6P IE3			
Rated current LRC Rated torque Locked rotor torque Breakdown torque Rated speed	: 164 A : 8.5 : 663 ft.lb : 290 % : 310 % : 990 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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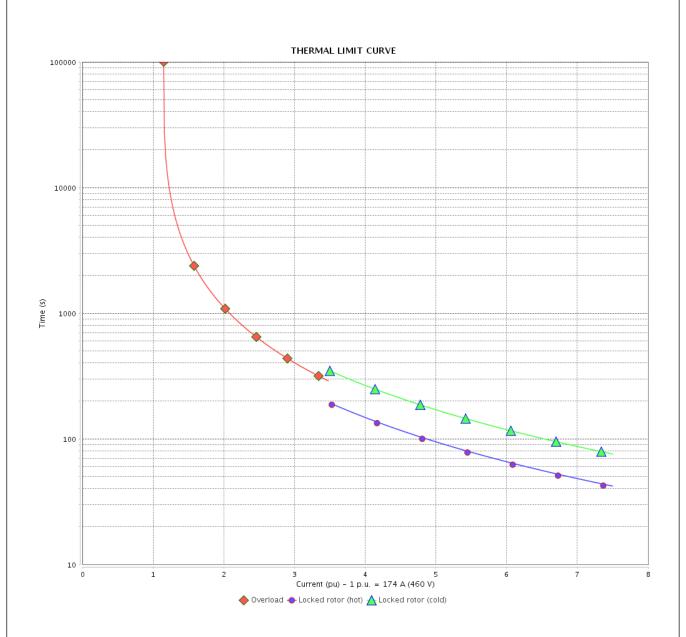


Customer	:					
Product line		NEMA Premium Efficiency in hase	Three-	Product code :	11582913	
	·	11400		Catalog # :	15012XT3G4	147T
Performance		60 V 60 Hz 6P				
Rated current LRC	: 1 <sup>1</sup> : 7.	74 A 5	Moment of Duty cycle	of inertia (J)	: 134 sq.ft.lb : Cont.(S1)	
Rated torque	: 60	62 ft.lb	Insulation	class	: F	
Locked rotor tord	que : 20	60 %	Service fa		: 1.15	
Breakdown torqu Rated speed		60 % 190 rpm	Temperat Design	ure rise	: 80 K : B	
Heating constan	t					
Cooling constan						
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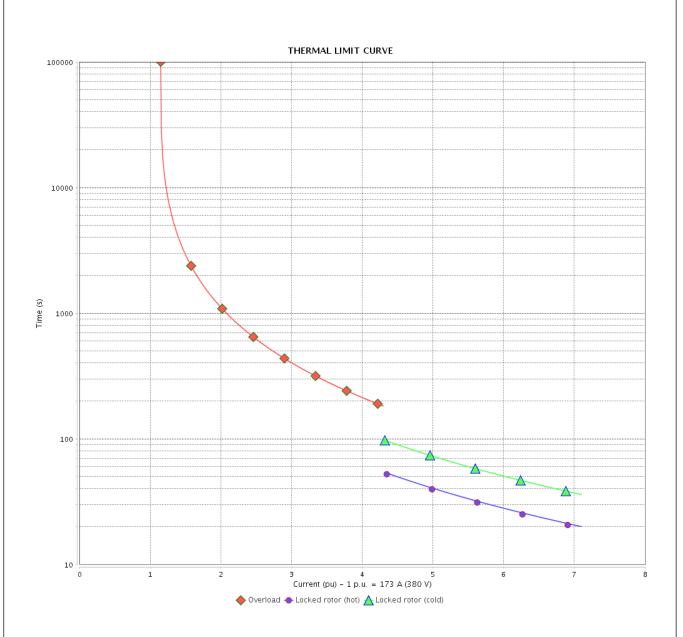


Customer	:					
Product line	: t Pl	NEMA Premium Efficiency <sup>1</sup> hase		Product code : Catalog # :	11582913 15012XT3G	447T
				-		
Performance	: 38	30 V 50 Hz 6P IE3				
Rated current		73 A	Moment o	of inertia (J)	: 134 sq.ft.lb	
LRC	: 7.	1 63 ft.lb	Duty cycle	9	: Cont.(S1) : F	
Rated torque Locked rotor tord		3 π.ib 40 %	Insulation Service fa		: F : 1.00	
Breakdown torqu	ue : 26	60 %	Temperati		: 80 K	
Rated speed	: 99	90 rpm	Design		: B	
Heating constan						
Cooling constan	<u>t</u>					
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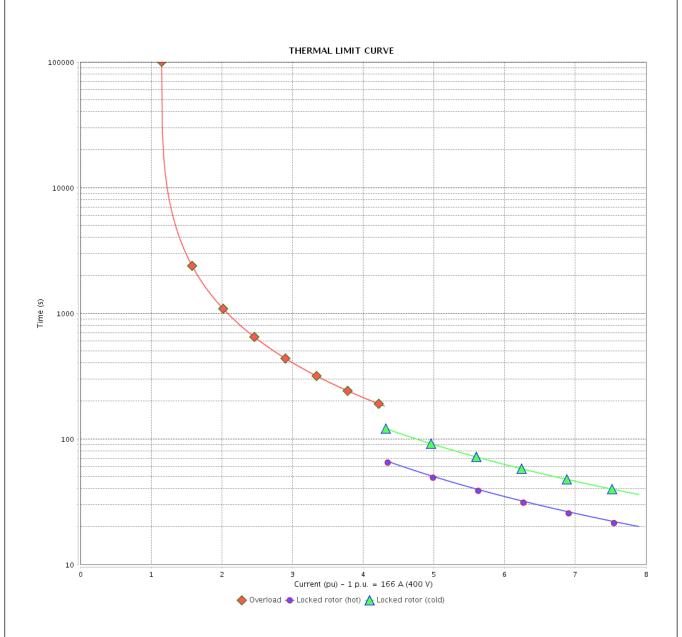


Customer	:					
Product line	:1	NEMA Premium Efficiency	Three-	Product code :	11582913	
		hase		Catalog # :	15012XT3G4	4
				<u> </u>		
Performance Rated current LRC		00 V 50 Hz 6P IE3 66 A 9	Moment of	of inertia (J)	: 134 sq.ft.lb : Cont.(S1)	
Rated torque Locked rotor tord Breakdown torqu Rated speed	que : 27 ue : 29	63 ft.lb 70 % 90 % 90 rpm	Insulation Service fa Temperat Design	class actor	: F : 1.00 : 80 K : B	
Heating constan						
Cooling constant		Changes Summary		Performed	Checked	Date
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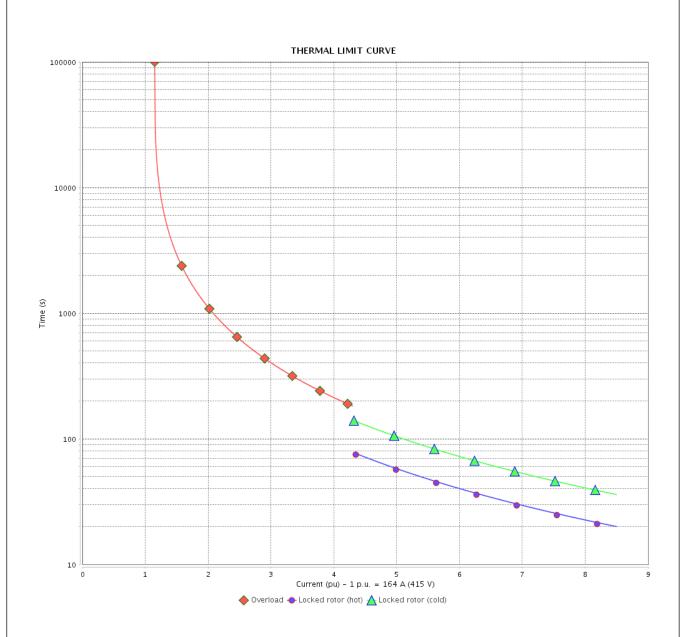


Customer	:					
Product line	:	NEMA Premium Efficiency	Three-	Product code :	11582913	
		Phase		Catalog # :	15012XT3G4	1 <i>1</i> 7T
Performance Rated current LRC Rated torque Locked rotor toro Breakdown torque Rated speed Heating constant	: 1 : 8 : 6 que : 2 ue : 3 : 9	15 V 50 Hz 6P IE3 64 A 3.5 663 ft.lb 90 % 110 %	Moment of Duty cycle Insulation Service fa Temperat Design	class actor	: 134 sq.ft.lb : Cont.(S1) : F : 1.00 : 80 K : B	
Cooling constant						
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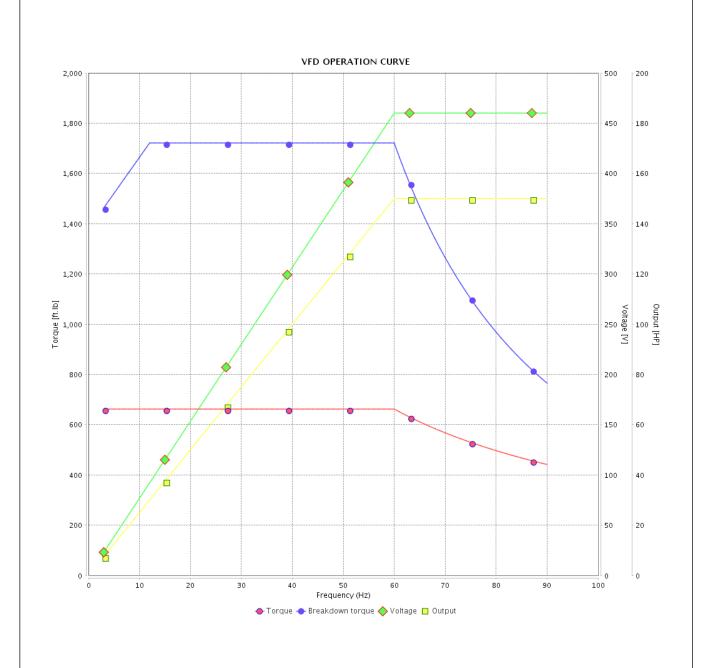


Customer

Product line : NEMA Premium Efficiency Three- Product code : 11582913

Phase

Catalog #: 15012XT3G447T



D. (		20.1/.00.110D	,			
Performance	: 40	60 V 60 Hz 6P				
Rated current	: 17	: 174 A Moment o		f inertia (J)	: 134 sq.ft.lb	
LRC	: 7.	5	Duty cycle	)	: Cont.(S1)	
Rated torque	: 60	62 ft.lb	Insulation	class	: F	
Locked rotor torqu	ue : 20	60 %	Service fa	ctor	: 1.15	
Breakdown torque	: 20	60 %	Temperati	ıre rise	: 80 K	
Rated speed	: 1′	190 rpm	Design		: B	
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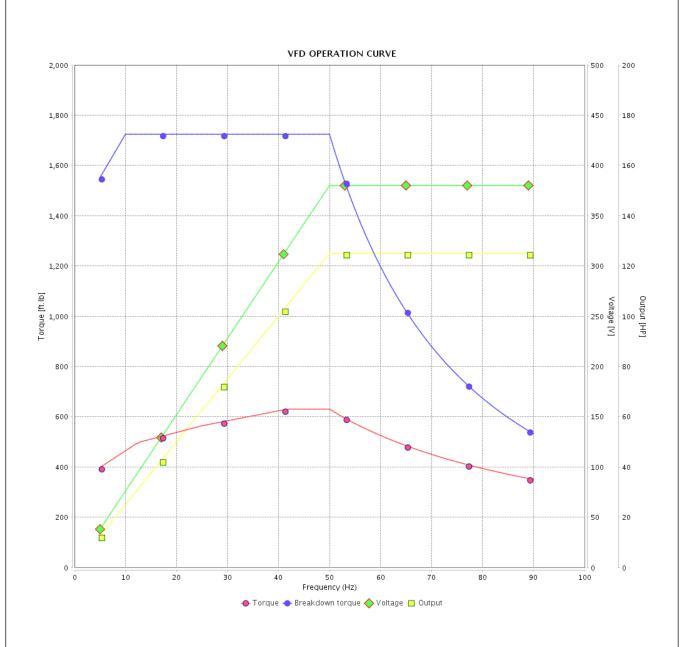
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Product line : NEMA Premium Efficiency Three-

Phase

Product code: 11582913

Catalog #: 15012XT3G447T



Performance		: 380 V 50 H	z 6P IE3				
Rated current LRC Rated torque Locked rotor tord Breakdown torqu Rated speed	•	: 173 A : 7.1 : 663 ft.lb : 240 % : 260 % : 990 rpm		Moment of Duty cycle Insulation Service fa Temperate Design	class ctor	: 134 sq.ft.lb : Cont.(S1) : F : 1.00 : 80 K : B	
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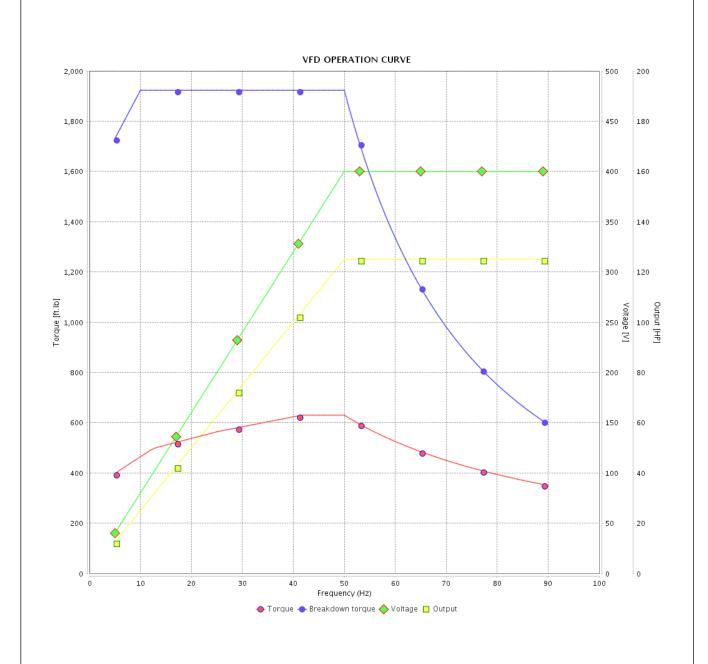
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Product line : NEMA Premium Efficiency Three- Product code :

Phase

Product code: 11582913

Catalog # : 15012XT3G447T



Performance	: 400 V 50 Hz 6P IE3				
Rated current LRC Rated torque Locked rotor torque Breakdown torque Rated speed	: 166 A : 7.9 : 663 ft.lb : 270 % : 290 % : 990 rpm	Moment of Duty cycle Insulation Service fa Temperate Design	class ctor	: 134 sq.ft.lb : Cont.(S1) : F : 1.00 : 80 K : B	
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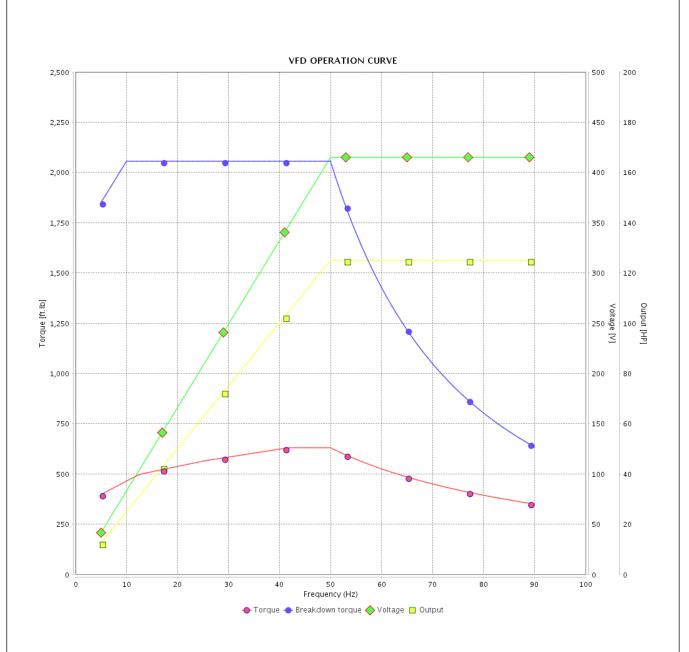
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Product line : NEMA Premium Efficiency Three- Product line : NEMA Pr

Phase

Product code: 11582913

Catalog #: 15012XT3G447T



Performance	: 4	15 V 50 Hz 6P IE3				
Rated current LRC Rated torque Locked rotor torque Breakdown torque Rated speed	: 8. : 60 ue : 29 e : 3	64 A .5 63 ft.lb 90 % 10 % 90 rpm	Moment of Duty cycle Insulation Service fa Temperate Design	class ctor	: 134 sq.ft.lb : Cont.(S1) : F : 1.00 : 80 K : B	
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