DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer

Product line : NEMA Premium Efficiency Three-Product code: 11442886

Catalog #: 03012ET3E326T-W22

Frame : 324/6T 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 : 589 lb Altitude Moment of inertia (J) : 13.2 sq.ft.lb

Protection degree : IP55

Design : B

Output [HP] 30 25 25 25 30 30 Poles 6 6 6 6 6 6 6 Frequency [Hz] 60 50 50 50 50 50 50 Rated voltage [V] 230/460 400 415 380 400 380 415

Rated current [A] 72.4/36.2 43.7 36.9 36.2 35.4 41.7 40.7 L. R. Amperes [A] 449/224 214 228 237 214 225 236 LRC [A] 5.8x(Code | 6.3x(Code H) 6.7x(Code H) 4.9x(Code E) 5.4x(Code F) | 5.8x(Code 6.2x(Code G) G) G) No load current [A] 29.0/14.5 14.0 15.0 16.0 14.0 15.0 16.0 Rated speed [RPM] 1180 975 980 980 970 975 980

Slip [%] 3.00 1.67 2.50 2.00 2.00 2.50 2.00 Rated torque [ft.lb] 134 135 134 134 162 162 161 Locked rotor torque [%] 220 190 220 240 160 180 200 Breakdown torque [%] 200 240 229 260 280 220 240 1.00 Service factor 1.25 1.00 1.15 1.15 1.15 1.15 80 K 80 K Temperature rise 80 K 80 K 80 K 80 K 80 K 27s (cold) Locked rotor time 37s (cold) 27s (cold) 27s (cold) 27s (cold) 27s (cold) 27s (cold) 21s (hot) 15s (hot) 15s (hot) 15s (hot) 15s (hot) 15s (hot) 15s (hot) Noise level² 62.0 dB(A) 60.0 dB(A) 60.0 dB(A) 60.0 dB(A) 60.0 dB(A) 60.0 dB(A) 60.0 dB(A) 25% 50% 91.7 91.3 91.3 90.7 91.7 91.7 91.0 Efficiency (%)

75% 93.0 91.8 92.2 91.9 91.7 92.4 92.4 100% 93.0 91.7 91.7 92.1 92.0 91.0 91.7 25% 0.64 0.71 50% 0.65 0.61 0.58 0.68 0.65 Power Factor 75% 0.76 0.76 0.74 0.71 0.80 0.78 0.76 100% 0.82 0.83 0.80 0.79 0.84 0.83 0.82

Non drive end Drive end Foundation loads Bearing type 6312 C3 6212 C3 Max. traction : 1186 lb V'Ring V'Ring Max. compression : 1775 lb Sealing

Lubrication interval 20000 h 20000 h Lubricant amount 21 g 13 g Mobil Polyrex EM Lubricant type

USABLE @208V 79.2A SF 1.15 SFA 91.0A

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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Three Phase Induction Motor - Squirrel Cage



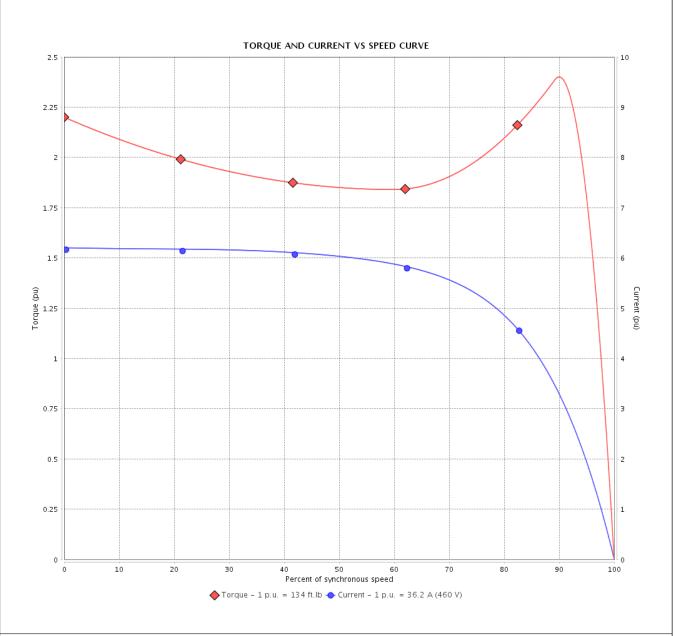
Customer :

Product line : NEMA Premium Efficiency Three-

Phase

Product code: 11442886

Catalog #: 03012ET3E326T-W22



Performance : 230/460 V 60 Hz 6P Rated current : 72.4/36.2 A Moment of inertia (J) : 13.2 sq.ft.lb **LRC** : 6.2 Duty cycle : Cont.(S1) : 134 ft.lb Insulation class Rated torque : F Service factor Locked rotor torque : 220 % : 1.25 Breakdown torque : 240 % Temperature rise : 80 K Rated speed : 1180 rpm Design : B

Locked rotor time : 37s (cold) 21s (hot)

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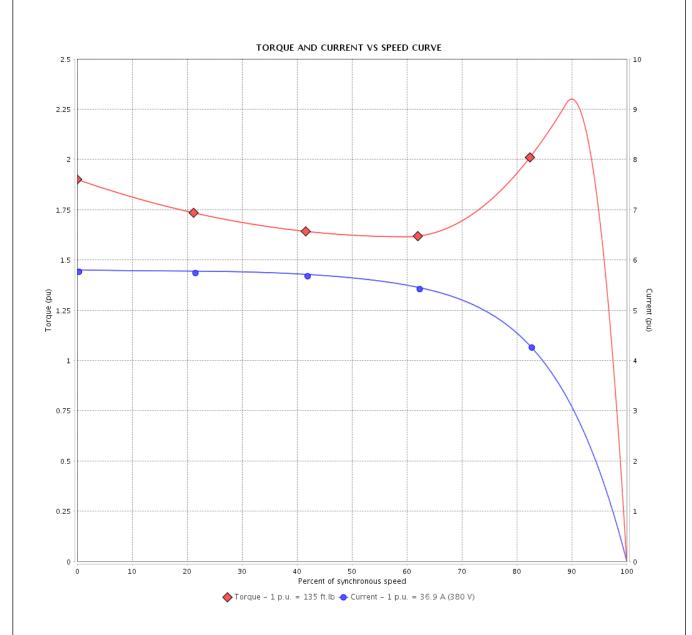


Customer :

Product line : NEMA Premium Efficiency Three- Product code : 11442886

Phase

Catalog #: 03012ET3E326T-W22



Performance	: 380 V 50 Hz 6P IE3			
Rated current	: 36.9 A	Moment of inertia (J)	: 13.2 sq.ft.lb	
LRC	: 5.8	Duty cycle	: Cont.(S1)	
Rated torque	: 135 ft.lb	Insulation class	: F	
Locked rotor torque	: 190 %	Service factor	: 1.00	
Breakdown torque	: 229 %	Temperature rise	: 80 K	
Rated speed	: 975 rpm	Design	: B	
Locked rotor time	: 27s (cold) 15s (bot)			

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

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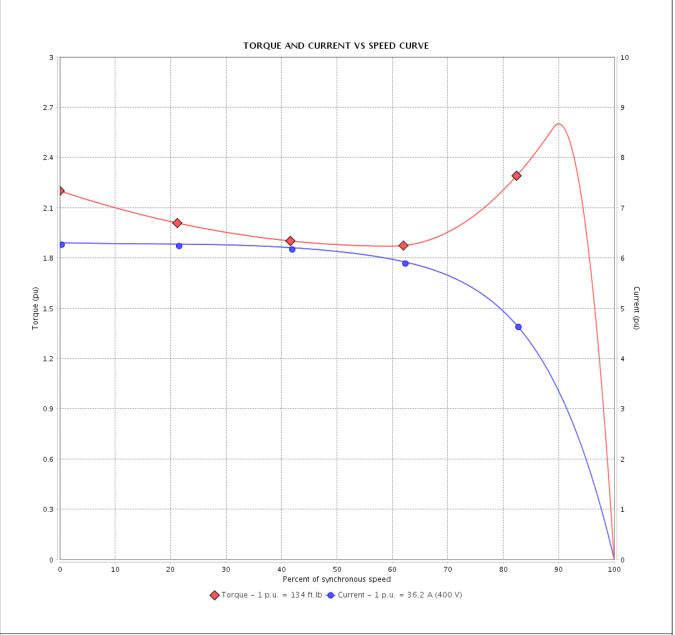
Customer :

Product line : NEMA Premium Efficiency Three- Produ

Phase

Product code: 11442886

Catalog #: 03012ET3E326T-W22



Rated current : 36.2 A	

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

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Three Phase Induction Motor - Squirrel Cage Customer Product line : NEMA Premium Efficiency Three-Product code: 11442886 Catalog #: 03012ET3E326T-W22 TORQUE AND CURRENT VS SPEED CURVE 2.7 2.1 Torque (pu) 1.2 0.6 0.3 40 50 -Percent of synchronous speed ◆ Torque - 1 p.u. = 134 ft.lb ◆ Current - 1 p.u. = 35.4 A (415 V)

Performance	: 415 V 50 Hz 6P IE3		
Rated current	: 35.4 A	Moment of inertia (J)	: 13.2 sq.ft.lb
LRC	: 6.7	Duty cycle	: Cont.(S1)
Rated torque	: 134 ft.lb	Insulation class	: F
Locked rotor torque	: 240 %	Service factor	: 1.15
Breakdown torque	: 280 %	Temperature rise	: 80 K
Rated speed	: 980 rpm	Design	: B
Locked rotor time	: 27s (cold) 15s (hot)		

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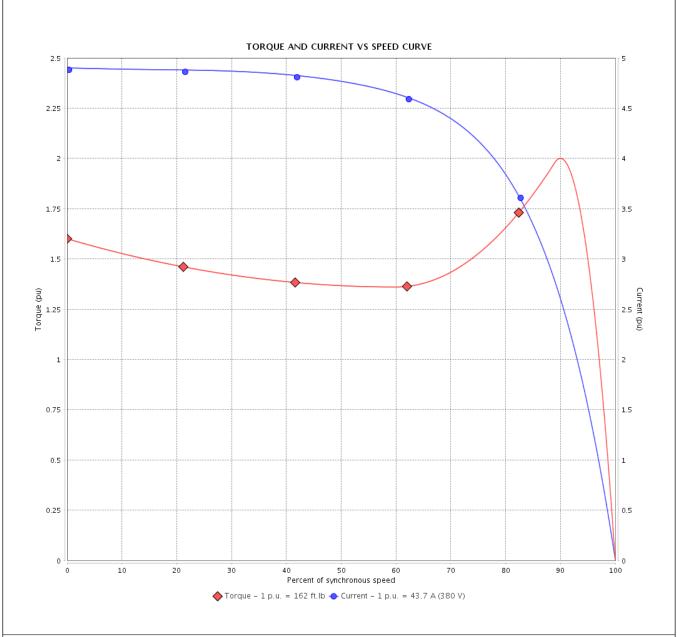
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Product line : NEMA Premium Efficiency Three- Product code :

Phase

Product code: 11442886

Catalog #: 03012ET3E326T-W22



Performance : 380 V 50 Hz 6P IE2 Rated current : 43.7 A Moment of inertia (J) : 13.2 sq.ft.lb **LRC** : 4.9 Duty cycle : Cont.(S1) : 162 ft.lb Insulation class Rated torque : F Service factor Locked rotor torque : 160 % : 1.00 Breakdown torque : 200 % Temperature rise : 80 K Rated speed : 970 rpm Design : B

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

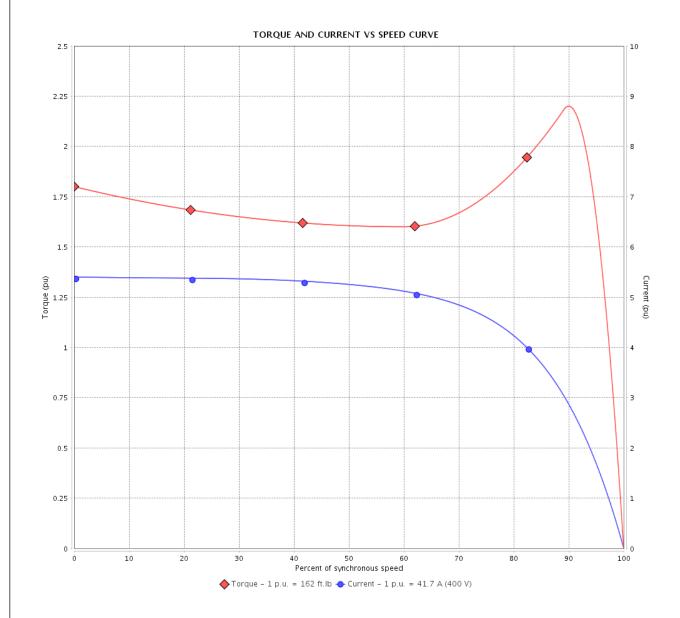
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Customer :

Product line : NEMA Premium Efficiency Three- Product code : 11442886
Phase Catalog # : 03012ET3E326T-W22



Performance : 400 V 50 Hz 6P IE2 Rated current : 41.7 A Moment of inertia (J) : 13.2 sq.ft.lb **LRC** : 5.4 Duty cycle : Cont.(S1) Insulation class : F Rated torque : 162 ft.lb Locked rotor torque : 180 % Service factor : 1.15 Breakdown torque : 220 % Temperature rise : 80 K : B Rated speed : 975 rpm Design Locked rotor time : 27s (cold) 15s (hot)

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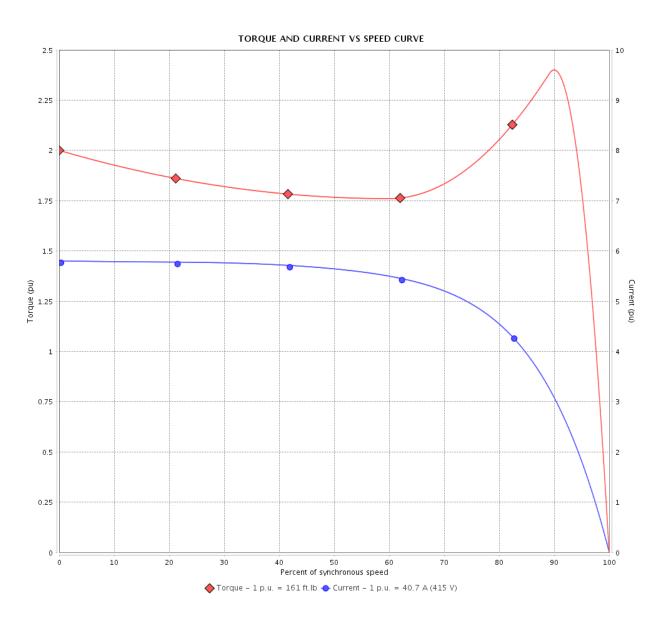


Customer :

Product line : NEMA Premium Efficiency Three- Product code : 11442886

Phase

Catalog #: 03012ET3E326T-W22



Performance	: 415 V 50 Hz 6P IE2		
Rated current LRC Rated torque Locked rotor torque Breakdown torque Rated speed	: 40.7 A : 5.8 : 161 ft.lb : 200 % : 240 % : 980 rpm	Moment of inertia (J) Duty cycle Insulation class Service factor Temperature rise Design	: 13.2 sq.ft.lb : Cont.(S1) : F : 1.15 : 80 K : B
Locked rotor time	: 27s (cold) 15s (hot)		

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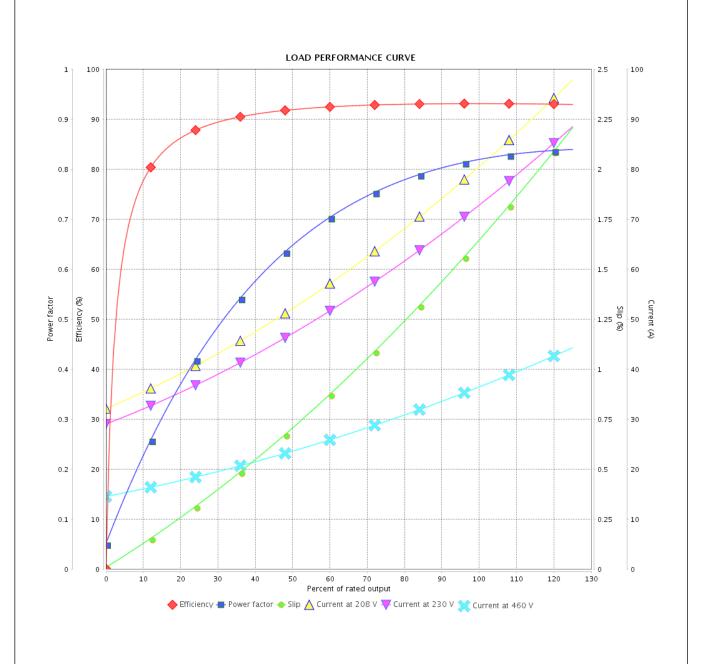


Customer

Product line : NEMA Premium Efficiency Three- Product code : 11442886

Phase

Catalog #: 03012ET3E326T-W22



Performance	: 2	230/460 V 60 Hz 6P				
Rated current	: 7	72.4/36.2 A	Moment o	f inertia (J)	: 13.2 sq.ft.lb	
LRC	: 6	3.2	Duty cycle	;	: Cont.(S1)	
Rated torque	: 1	134 ft.lb	Insulation	class	: F	
Locked rotor torque	e :2	220 %	Service fa	ctor	: 1.25	
Breakdown torque	: 2	240 %	Temperati	Temperature rise		
Rated speed	: ′	1180 rpm	Design		: B	
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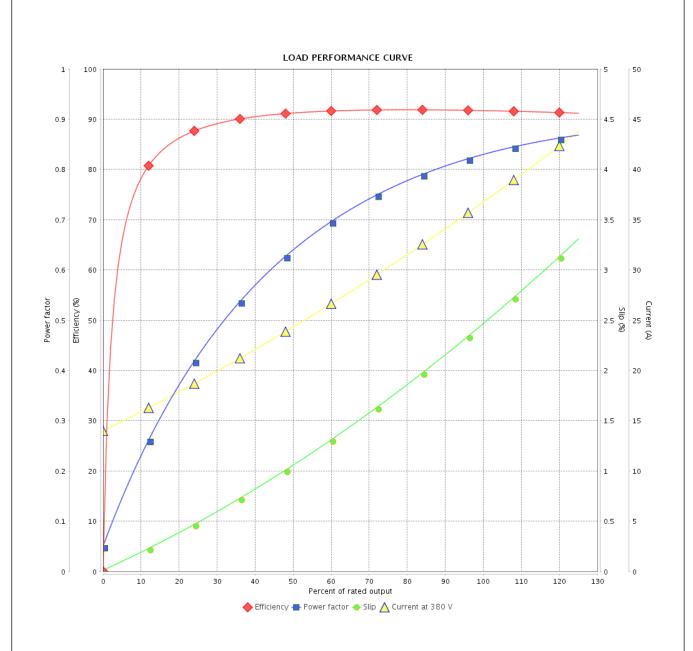


Customer :

Product line : NEMA Premium Efficiency Three- Product code : 11442886

Phase

Catalog #: 03012ET3E326T-W22



Performance	: 380 V 50 Hz 6P IE3	-			
renormance	. 300 V 30 HZ 0F IE3				
Rated current	: 36.9 A	Moment of inertia	(J)	: 13.2 sq.ft.lb	
LRC	: 5.8	Duty cycle		: Cont.(S1)	
Rated torque	: 135 ft.lb	Insulation class		: F	
·		Service factor : 1.00			
Breakdown torque	·			: 80 K	
Rated speed	: 975 rpm	Design		: B	
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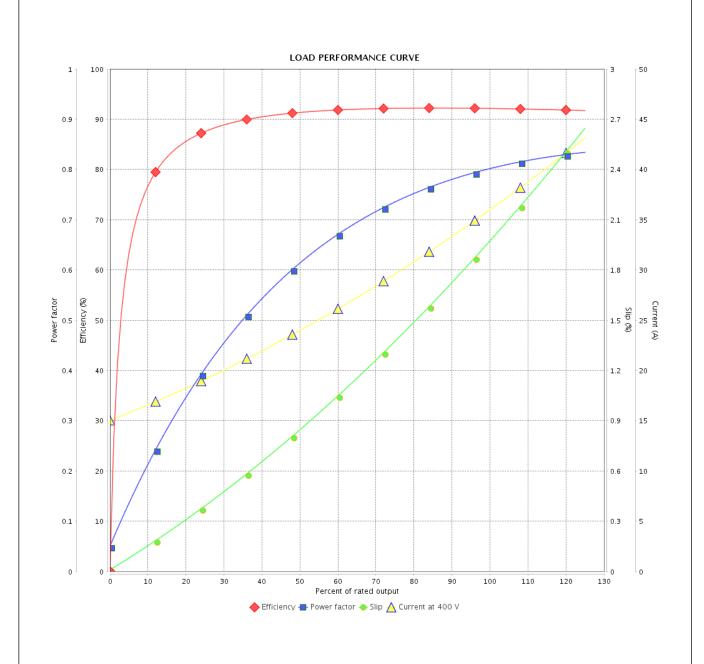


Customer

Product line : NEMA Premium Efficiency Three- Product code : 11442886

Phase

Catalog #: 03012ET3E326T-W22



Performance	: 4	400 V 50 Hz 6P IE3	}			
Rated current	::	36.2 A	Moment o	f inertia (J)	: 13.2 sq.ft.lb	
LRC	: (6.3	Duty cycle	;	: Cont.(S1)	
Rated torque	:	134 ft.lb	Insulation	class	: F	
Locked rotor torqu	ie ::	220 %	Service fa	ctor	: 1.15	
Breakdown torque	::	260 %	Temperature rise		: 80 K	
Rated speed	: 9	980 rpm	Design		: B	
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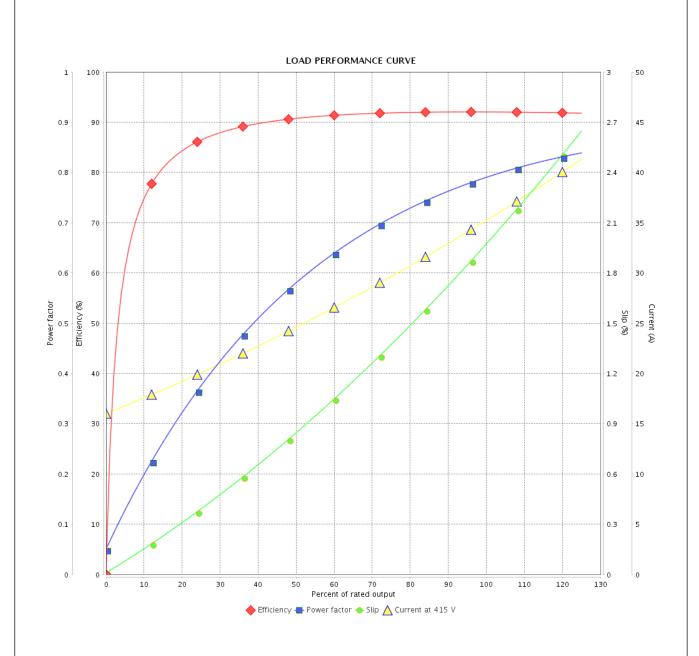


Customer :

Product line : NEMA Premium Efficiency Three- Product code : 11442886

Phase

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	·			,	
Performance	: 415 V 50 Hz 6P IE3				
Rated current LRC Rated torque Locked rotor torque Breakdown torque Rated speed	: 35.4 A : 6.7 : 134 ft.lb : 240 % : 280 % : 980 rpm	Moment of Duty cycle Insulation Service fa Temperati Design	class actor	: 13.2 sq.ft.lb : Cont.(S1) : F : 1.15 : 80 K : B	
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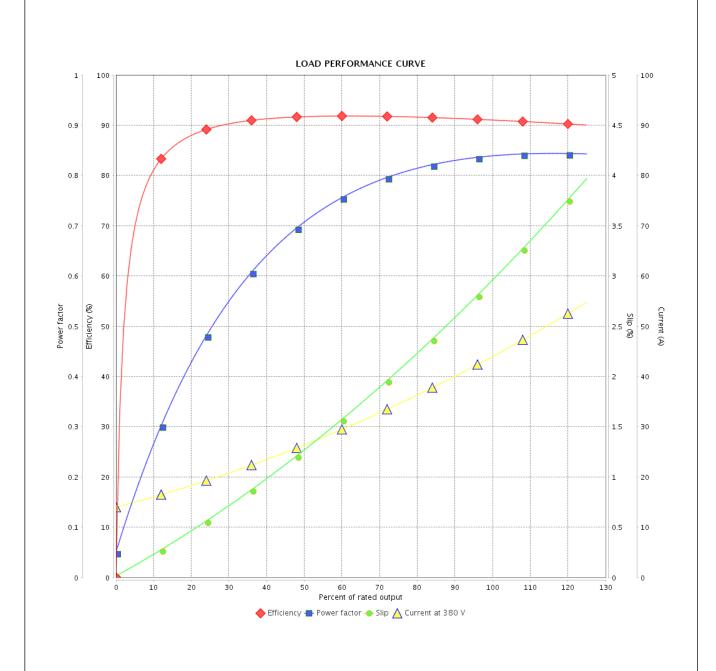
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Customer

Product line : NEMA Premium Efficiency Three-Product code: 11442886

Catalog #: 03012ET3E326T-W22



Performance	: 38	30 V 50 Hz 6P IE2				
Rated current	: 4:	: 43.7 A Moment of ine		f inertia (J)	: 13.2 sq.ft.lb	
LRC	: 4	9	Duty cycle)	: Cont.(S1)	
Rated torque	: 10	62 ft.lb	Insulation	class	: F	
Locked rotor toro	jue : 10	60 %	Service fa	ctor	: 1.00	
Breakdown torque		00 %	Temperature rise		: 80 K	
Rated speed	: 9	70 rpm	Design		: B	
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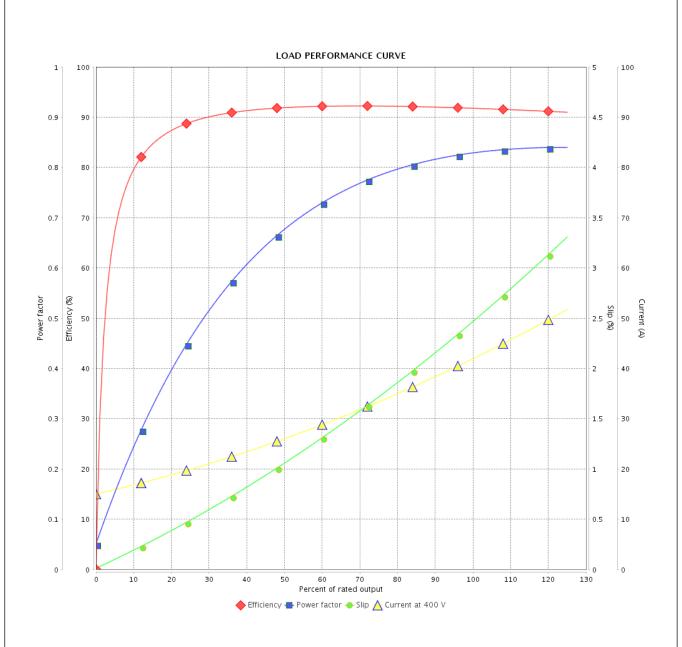
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Performance	: 400 V 50 Hz 6P IE2			
Rated current LRC Rated torque Locked rotor torq Breakdown torqu Rated speed		Moment of inertia (Duty cycle Insulation class Service factor Temperature rise Design	J) : 13.2 sq.ft.lb : Cont.(S1) : F : 1.15 : 80 K : B	
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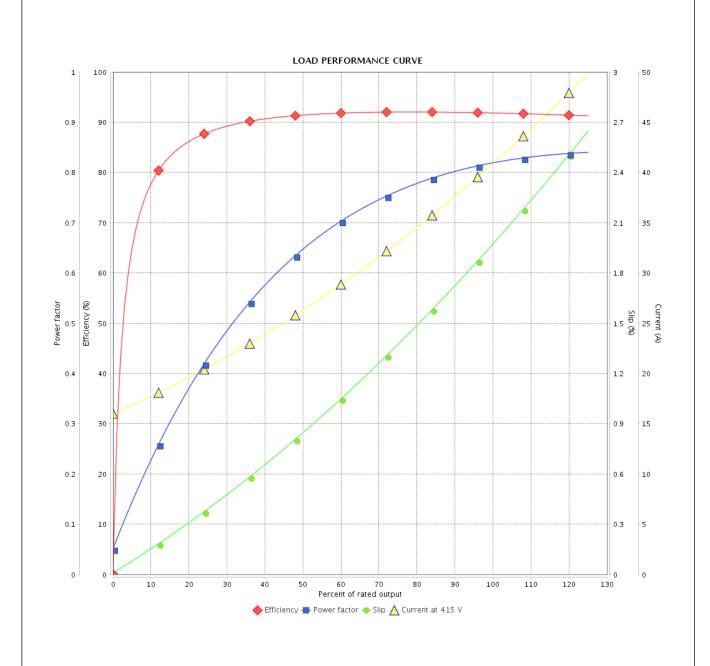


Customer

Product line : NEMA Premium Efficiency Three- Product code : 11442886

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Catalog #: 03012ET3E326T-W22



Performance	: 4	115 V 50 Hz 6P IE2				
Rated current	: 4	10.7 A	Moment o	f inertia (J)	: 13.2 sq.ft.lb	
LRC	: 5	5.8	Duty cycle		: Cont.(S1)	
Rated torque	: 1	61 ft.lb	Insulation	class	: F	
Locked rotor torque	e :2	200 %	Service fa	ctor	: 1.15	
Breakdown torque	: 2	240 %	Temperatu	Temperature rise		
Rated speed	: 9	980 rpm	Design		: B	
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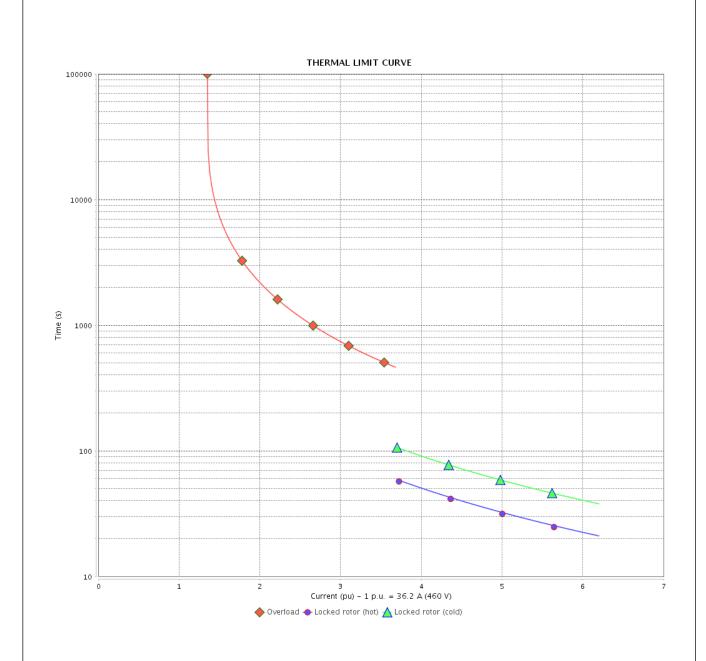


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Product line	: NEMA Premiu Phase		Product code : Catalog # :	11442886 03012ET3E3	26T-W22
Performance Rated current LRC Rated torque Locked rotor torque Breakdown torque Rated speed	: 230/460 V 60 H : 72.4/36.2 A : 6.2 : 134 ft.lb : 220 % : 240 % : 1180 rpm		class ctor	: 13.2 sq.ft.lb : Cont.(S1) : F : 1.25 : 80 K : B	
Heating constant Cooling constant Rev.	Changes Sun	nmary	Performed	Checked	Date
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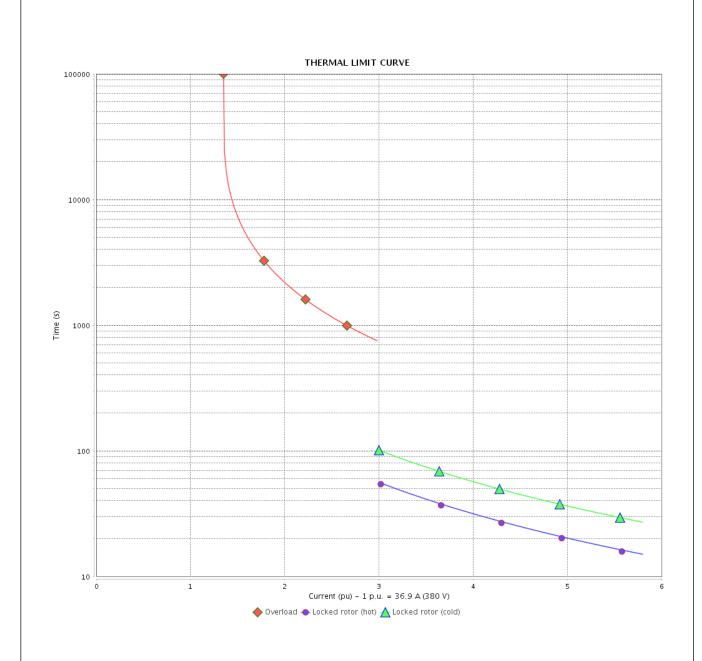


Customer		:				
Product line		: NEMA Premium Efficiency Phase		Product code : Catalog # :	11442886 03012ET3E32	26T_W22
				- Catalog # .	00012210202	.01 1122
Performance		: 380 V 50 Hz 6P IE3				
Rated current LRC		: 36.9 A : 5.8	Duty cycle		: 13.2 sq.ft.lb : Cont.(S1)	
Rated torque Locked rotor tord		: 135 ft.lb : 190 %	Insulation Service fa		: F : 1.00	
Breakdown torqu	ie	: 229 %	Temperat		: 80 K	
Rated speed		: 975 rpm	Design		: B	
Heating constant						
Cooling constant	l	Changes Summary		Performed	Checked	Date
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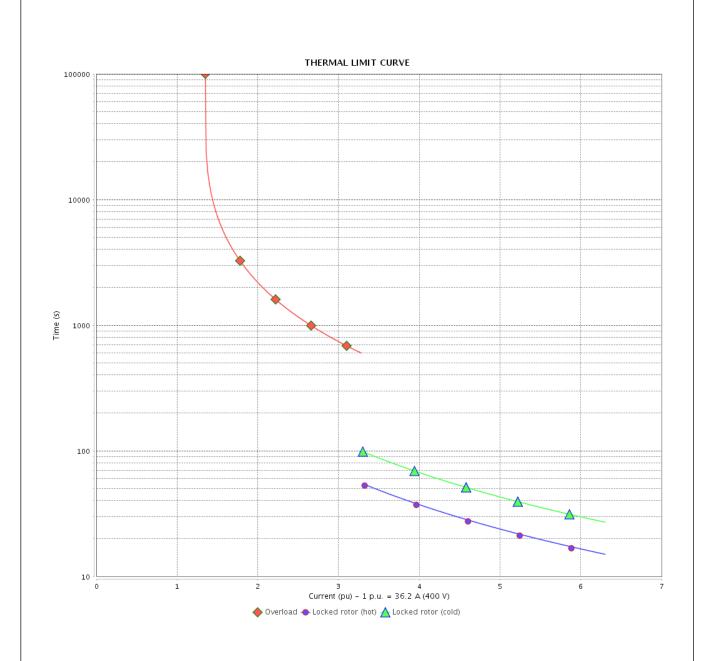


Customer	:					
Product line		NEMA Premium Efficiency	Three-	Product code :	11442886	
	P	hase		Catalog # :	03012ET3E32	26T-W22
Performance	: 40	00 V 50 Hz 6P IE3				
Rated current	: 36 : 6.	6.2 A	Moment o	f inertia (J)	: 13.2 sq.ft.lb	
LRC Rated torque	: 13	34 ft.lb	Duty cycle Insulation	class	: Cont.(S1) : F	
Locked rotor torq		20 % 60 %	Service fa		: 1.15	
Breakdown torque Rated speed		30 mm	Temperatu Design	11 C 113 C	: 80 K : B	
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Cooling constant						
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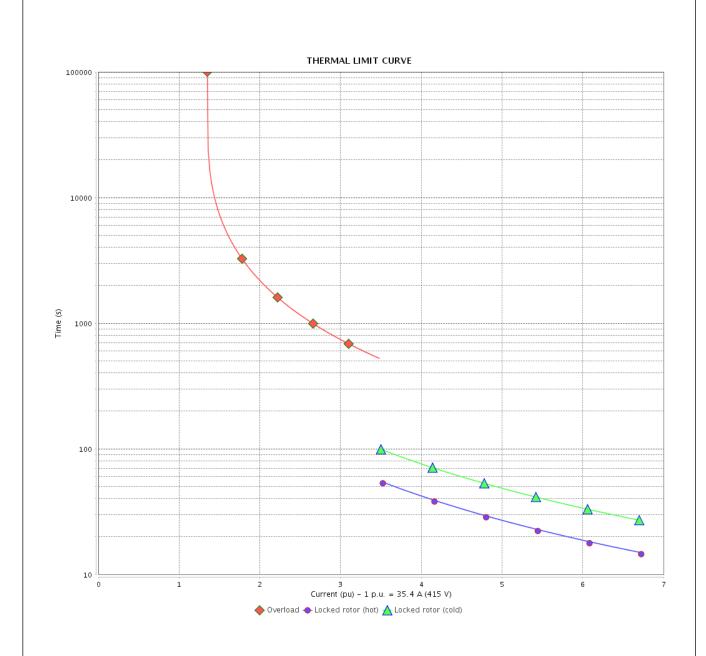


Customer		:				
Product line		: NEMA Premium Efficiency Phase		Product code :	11442886	06T M/00
				Catalog # :	03012ET3E32	201-0022
Performance		: 415 V 50 Hz 6P IE3				
Rated current		: 35.4 A	Moment of	of inertia (J)	: 13.2 sq.ft.lb	
LRC Rated torque		: 6.7 : 134 ft.lb	Duty cycle Insulation	е	: Cont.(S1) : F	
Locked rotor tord		: 134 ILID : 240 %	Service fa		: 1.15	
Breakdown torqu	ue	: 280 %	Temperat		: 80 K	
Rated speed		: 980 rpm	Design		: B	
Heating constant Cooling constant						
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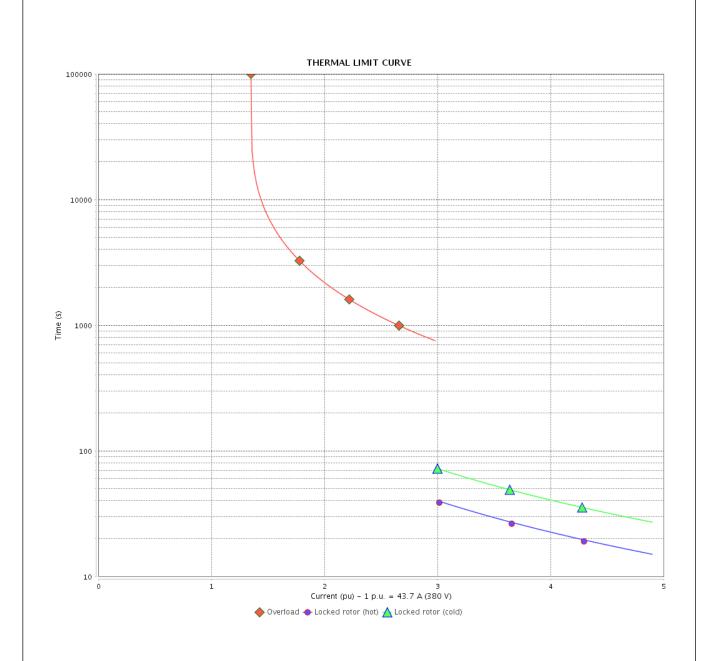


Customer	:				
Product line	: NEMA Premium Efficienc Phase	cy Three-	Product code : Catalog # :	11442886 03012ET3E3	26T W22
			Catalog # .	03012E13E3	201-VV22
Performance	: 380 V 50 Hz 6P IE2				
Rated current	: 43.7 A	Moment of	of inertia (J)	: 13.2 sq.ft.lb	
LRC	: 4.9	Duty cycl	e	: Cont.(S1)	
Rated torque Locked rotor torque	: 162 ft.lb : 160 %	Insulation Service fa		: F : 1.00	
Breakdown torque	: 200 %	Temperat	ure rise	: 80 K : B	
Rated speed	: 970 rpm	Design		. Б	
Heating constant Cooling constant					
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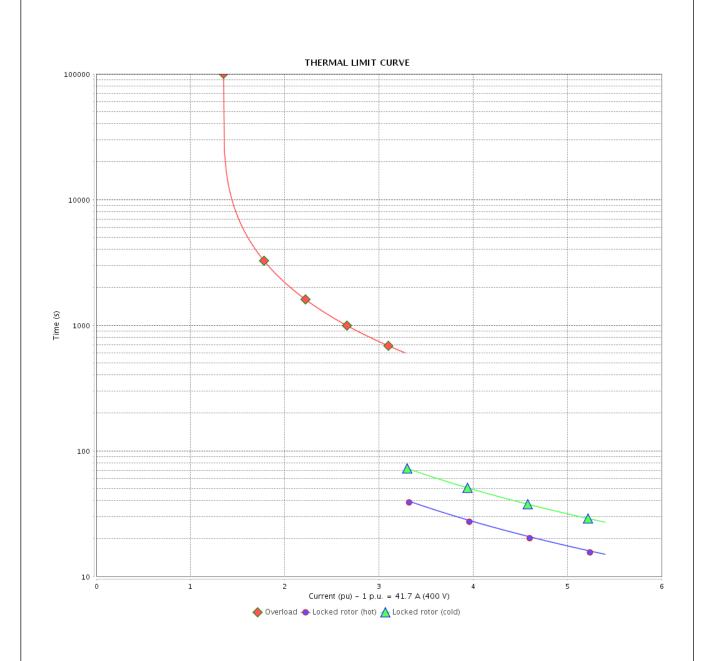


Customer	:				
Product line	: NEMA Premium Efficiency Phase		Product code :	11442886 03012ET3E3	26T-W22
				0001221020	201 1122
Performance	: 400 V 50 Hz 6P IE2				
Rated current LRC	: 41.7 A : 5.4	Duty cycle		: 13.2 sq.ft.lb : Cont.(S1)	
Rated torque Locked rotor torque	: 162 ft.lb : 180 %	Insulation Service fa		: F : 1.15	
Breakdown torque	: 220 %	Temperatu		: 80 K	
Rated speed	: 975 rpm	Design		: B 	
Heating constant					
Cooling constant Rev.	Changes Summary		Performed	Checked	Date
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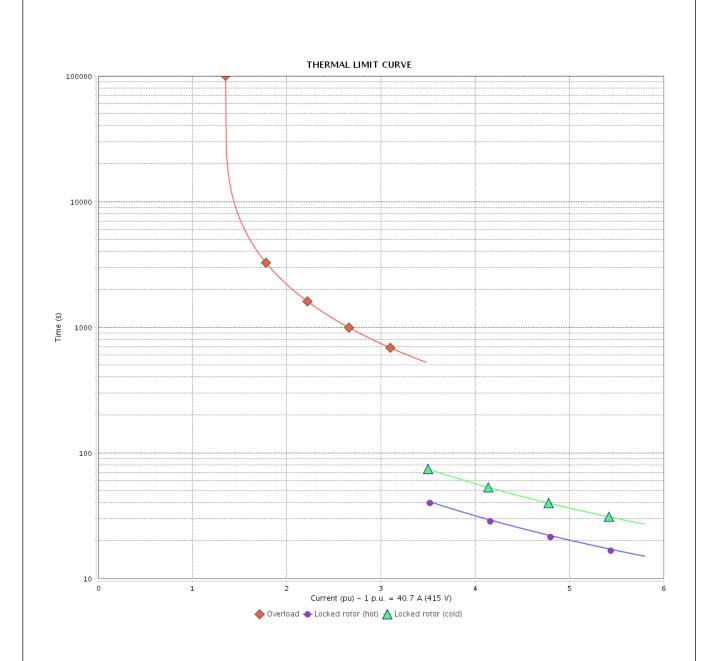


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Customer	:					
Product line		NEMA Premium Efficiency Thase		Product code :	11442886	
			(Catalog # :	03012ET3E3	26T-W22
Performance		15 V 50 Hz 6P IE2				
Rated current LRC Rated torque Locked rotor torque Breakdown torque	: 5. : 16 e : 20 : 2	61 ft.lb 00 % 40 %	Duty cycle Insulation Service far Temperatu	class ctor	: 13.2 sq.ff.lb : Cont.(S1) : F : 1.15 : 80 K	
Rated speed	: 98	30 rpm	Design		: B	
Heating constant						
Cooling constant						
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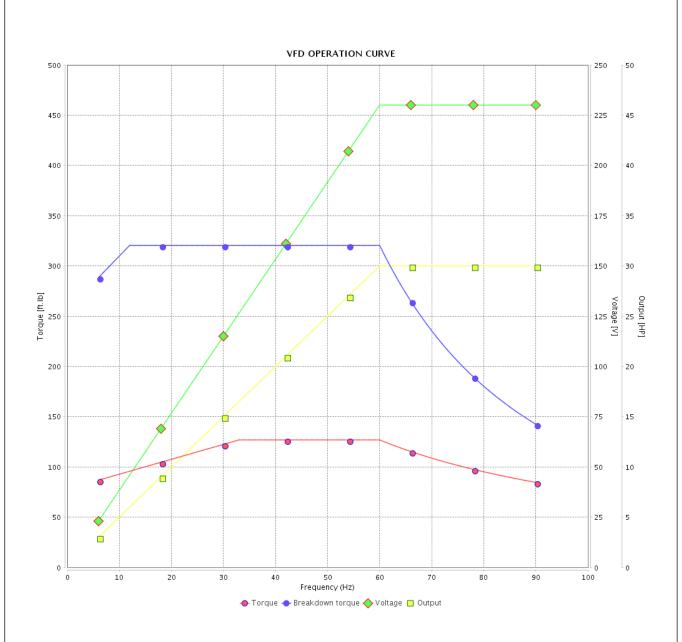
Customer :

Product line : NEMA Premium Efficiency Three-

Phase

Product code: 11442886

Catalog #: 03012ET3E326T-W22



Performance	: 230/460 V 60 Hz 6P				
Rated current LRC Rated torque Locked rotor torque Breakdown torque Rated speed	: 72.4/36.2 A : 6.2 : 134 ft.lb : 220 % : 240 % : 1180 rpm	Moment of Duty cycle Insulation Service far Temperatu Design	class	: 13.2 sq.ft.lb : Cont.(S1) : F : 1.25 : 80 K : B	
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Three Phase Induction Motor - Squirrel Cage



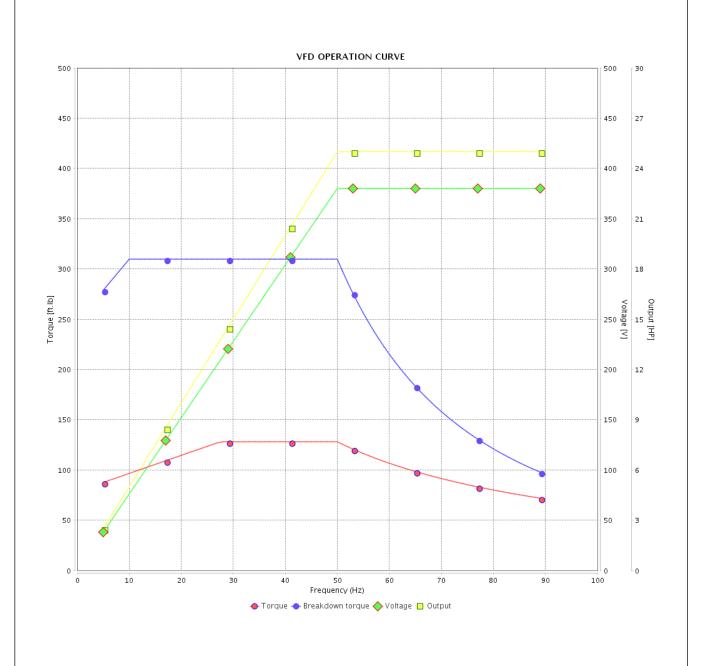
Customer

Product line : NEMA Premium Efficiency Three- Product code :

Phase

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11442886



Performance	:	380 V 50 Hz 6P IE3				
Rated current	:	36.9 A	Moment o	f inertia (J)	: 13.2 sq.ft.lb	
LRC	:	5.8	Duty cycle	;	: Cont.(S1)	
Rated torque	:	135 ft.lb	Insulation	class	:F	
Locked rotor torque	e :	190 %	Service fa	ctor	: 1.00	
Breakdown torque	:	229 %	Temperati	Temperature rise : 80		
Rated speed	:	975 rpm	Design		: B	
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Product line : NEMA Premium Efficiency Three-

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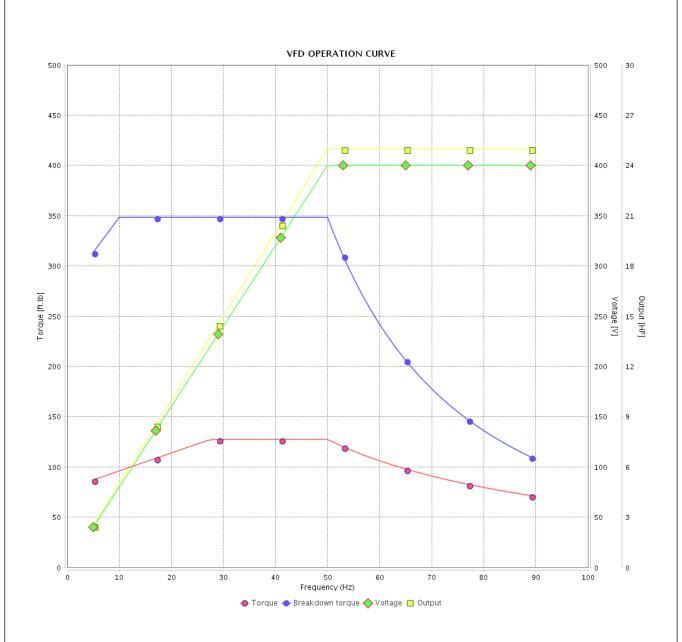
Product code: 11442886

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Performance	: 400 V 50 Hz 6P IE3				
Rated current LRC Rated torque Locked rotor torque Breakdown torque Rated speed	: 36.2 A : 6.3 : 134 ft.lb : 220 % : 260 % : 980 rpm	Moment of Duty cycle Insulation Service fa Temperate Design	class ctor	: 13.2 sq.ft.lb : Cont.(S1) : F : 1.15 : 80 K : B	
Rev.	Changes Summary	l	Performed	Checked	Date
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Three Phase Induction Motor - Squirrel Cage



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Product line : NEMA Premium Efficiency Three- Product

Phase

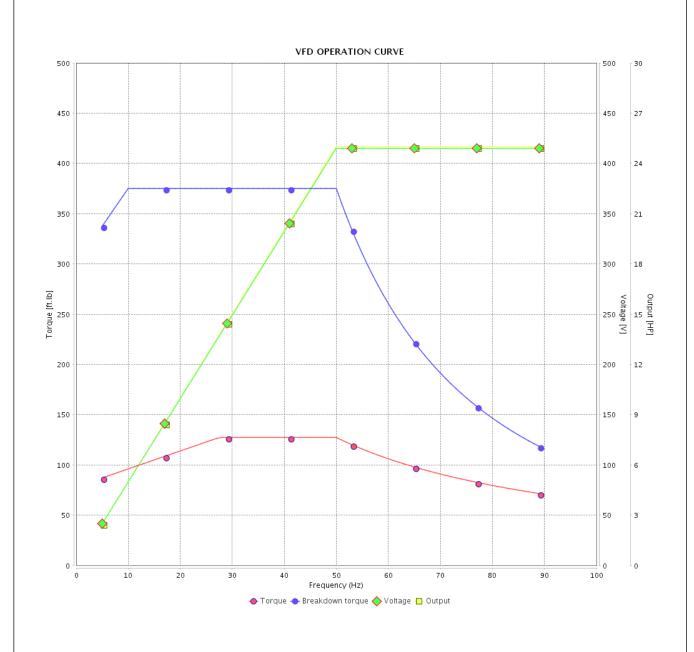
Product code: 11442886

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Performance	: 415 V 50 Hz 6P IE3				
Rated current LRC	: 35.4 A : 6.7	1	f inertia (J)	: 13.2 sq.ft.lb	
Rated torque	: 134 ft.lb	Duty cycle Insulation		: Cont.(S1) : F	
Locked rotor torque	: 240 %	Service fa	ctor	: 1.15	
Breakdown torque	: 280 %	Temperat	ıre rise	: 80 K	
Rated speed	: 980 rpm	Design		: B	
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Three Phase Induction Motor - Squirrel Cage



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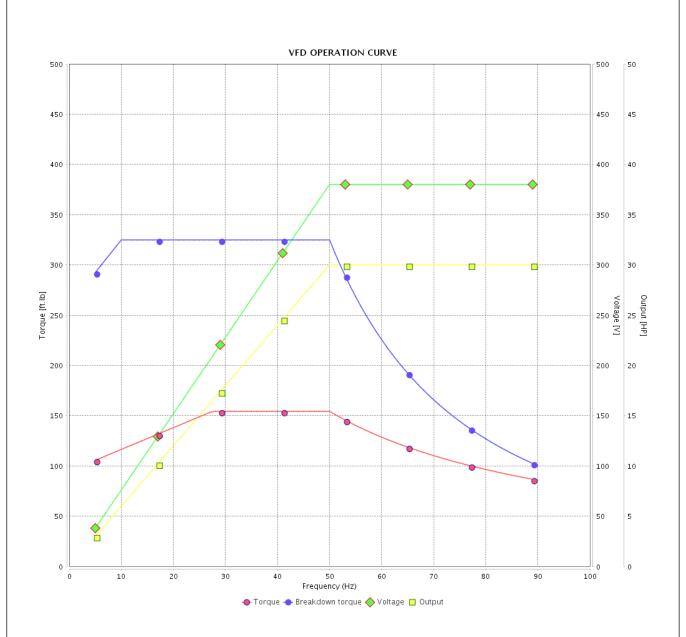
Product line : NEMA Premium Efficiency Three- Product code :

Phase

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	·						
Performance	: 380 V 50 Hz 6P IE2						
Rated current LRC	: 43.7 A : 4.9	Moment of inertia (J) Duty cycle		: 13.2 sq.ft.lb : Cont.(S1)			
Rated torque Locked rotor torque Breakdown torque Rated speed	: 160 % Service : 200 % Tempe	Insulation Service fa Temperati Design	ctor	: F : 1.00 : 80 K : B			
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Three Phase Induction Motor - Squirrel Cage



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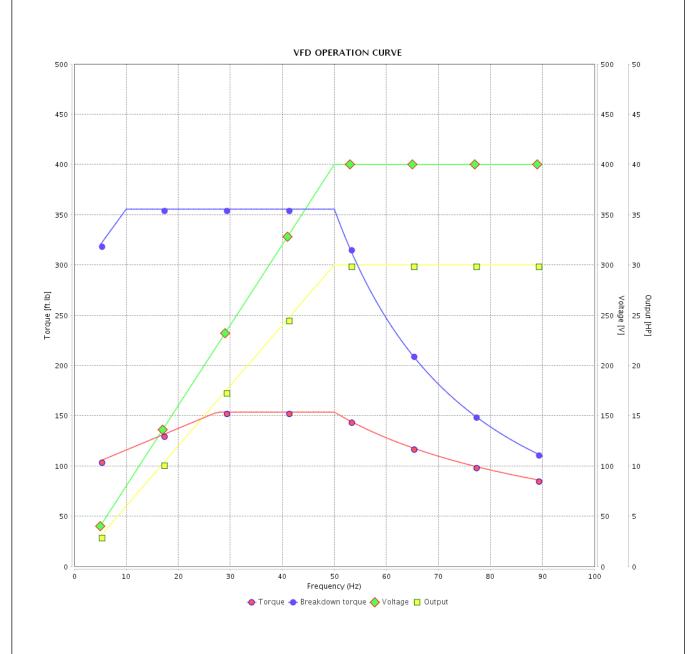
Product line : NEMA Premium Efficiency Three- Product code :

Phase

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Performance	: 400 V 50 Hz 6P IE2	: 400 V 50 Hz 6P IE2			
Rated current LRC Rated torque Locked rotor torque Breakdown torque Rated speed	: 5.4 Du : 162 ft.lb Ins : 180 % Se		f inertia (J) class ctor ure rise	: 13.2 sq.ft.lb : Cont.(S1) : F : 1.15 : 80 K : B	
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Three Phase Induction Motor - Squirrel Cage



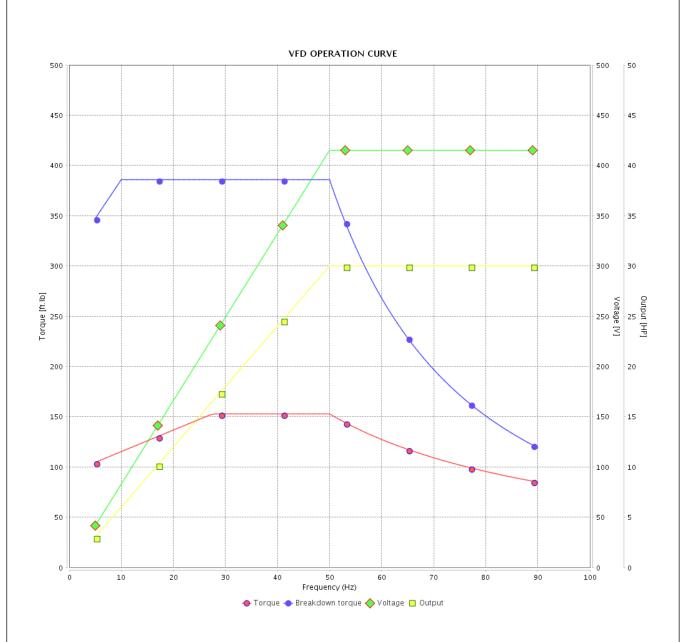
Customer :

Product line : NEMA Premium Efficiency Three-

Phase

Product code: 11442886

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Performance	: 415 V 50 Hz 6P IE2					
Rated current	: 40.7 A	Moment of inertia (J)		: 13.2 sq.ft.lb		
LRC	: 5.8	Duty cycle		: Cont.(S1)		
Rated torque	: 161 ft.lb	Insulation class		:F		
Locked rotor torque	: 200 %	Service factor		: 1.15		
Breakdown torque	: 240 %	Temperature rise		: 80 K		
Rated speed	: 980 rpm	Design		: B		
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