DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : NEMA Premium Efficiency Three- Product code : 11356020

Phase

Catalog #: 10012ET3G444T-W22

Frame : 444/5T 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 : 1659 lb
Protection degree : IP55 Moment of inertia (J) : 87.3 sq.ft.lb

Protection degree	9	: IP55		Momer	it of inertia (J)	: 8	7.3 sq.ft.lb	
Design		: B						
Output [HP]		100	75	75	75	100	100	100
Poles		6	6	6	6	6	6	6
Frequency [Hz]		60	50	50	50	50	50	50
Rated voltage [V]		460	380	400	415	380	400	415
Rated current [A]		121	107	104	102	145	139	135
L. R. Amperes [A]		750	706	749	785	725	765	810
LRC [A]		6.2x(Code	6.6x(Code	7.2x(Code H)	7.7x(Code J)	5.0x(Code E)	5.5x(Code F)	6.0x(Code
		G)	G)					G)
No load current [A]		45.0	45.0	48.0	50.0	45.0	48.0	50.0
Rated speed [RPM	1]	1185	985	990	990	980	985	985
Slip [%]		1.25	1.50	1.00	1.00	2.00	1.50	1.50
Rated torque [ft.lb]	Rated torque [ft.lb]		400	398	398	536	533	533
Locked rotor torqu	e [%]	220	229	250	270	170	190	200
Breakdown torque	[%]	250	280	310	340	210	229	250
Service factor		1.25	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)	65.0 dB(A)	65.0 dB(A)	65.0 dB(A)	65.0 dB(A)	65.0 dB(A)	65.0 dB(A)
	25%	94.4	93.7	93.7	93.5	94.8	94.8	94.8
Efficiency (%)	50%	94.5	93.8	93.8	93.7	94.5	94.5	94.5
Efficiency (70)	75%	95.0	94.3	94.6	94.6	94.0	94.5	94.5
	100%	95.0	94.2	94.5	94.6	93.6	94.0	94.0
	25%	0.44	0.40	0.37	0.34	0.50	0.46	0.44
Power Factor 50%		0.68	0.64	0.60	0.57	0.74	0.71	0.68
Fower Factor	75%	0.78	0.77	0.74	0.71	0.82	0.80	0.78
	100%	0.82	0.83	0.81	0.79	0.84	0.83	0.82

Drive end
Bearing type : 6319 C3

Non drive end Foundation loads

6316 C3

Max. traction : 2724 lb Max. compression : 4382 lb

Sealing
Lubrication interval
Lubricant amount
Lubricant type

WSeal WSeal 13000 h 16000 h 45 g 34 g

Mobil Polyrex EM

Notes

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.

Rev.		Changes Summary	Performed	Checked	Date
Performed by					
Checked by				Page	Revision
Date	13/04/2022			1 / 36	

Three Phase Induction Motor - Squirrel Cage



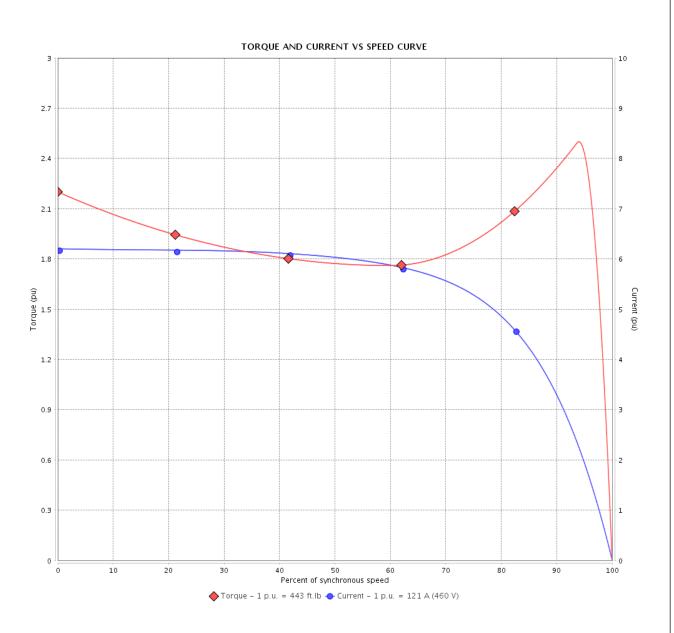
Customer :

Product line : NEMA Premium Efficiency Three- Product code :

Phase

Catalog #: 10012ET3G444T-W22

11356020



Performance : 460 V 60 Hz 6P Rated current : 121 A Moment of inertia (J) : 87.3 sq.ft.lb **LRC** : 6.2 Duty cycle : Cont.(S1) Insulation class Rated torque : 443 ft.lb : F Locked rotor torque : 220 % Service factor : 1.25 Breakdown torque : 250 % Temperature rise : 80 K Rated speed : 1185 rpm Design : B

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

Rev.		Changes Summary	Performed	Checked	Date
Performed by					
Checked by				Page	Revision
Date	13/04/2022			2/36	



Three Phase Induction Motor - Squirrel Cage Customer Product line : NEMA Premium Efficiency Three-Product code: 11356020 Catalog #: 10012ET3G444T-W22 TORQUE AND CURRENT VS SPEED CURVE 2.7 2.1 Current Torque (pu) 1.2 0.6 0.3 Percent of synchronous speed ◆ Torque - 1 p.u. = 400 ft.lb ◆ Current - 1 p.u. = 107 A (380 V) : 380 V 50 Hz 6P IE3 Performance Rated current : 107 A Moment of inertia (J) : 87.3 sq.ft.lb **LRC** : 6.6 Duty cycle : Cont.(S1) Rated torque : 400 ft.lb Insulation class : F Locked rotor torque : 229 % : 1.00 Service factor : 80 K Breakdown torque : 280 % Temperature rise Rated speed : 985 rpm : B Design

Locked rotor time	e : 2'	7s (cold) 15s (hot)			
Rev.		Changes Summary	Performed	Checked	Date
		1			
Performed by					
Checked by				Page	Revision
Date	13/04/2022			3 / 36	

Three Phase Induction Motor - Squirrel Cage



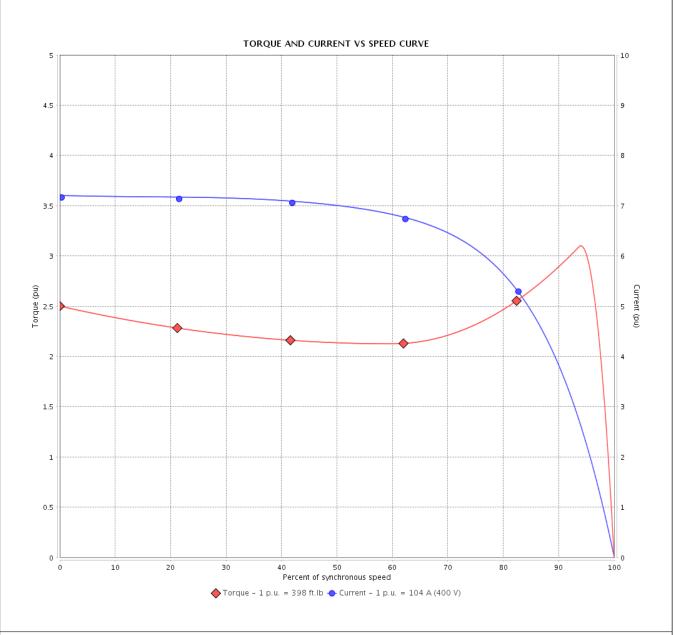
Customer :

Product line : NEMA Premium Efficiency Three- Product

Phase

Product code: 11356020

Catalog #: 10012ET3G444T-W22



Performance	: 400 V 50 Hz 6P IE3		
Rated current	: 104 A	Moment of inertia (J)	: 87.3 sq.ft.lb
LRC	: 7.2	Duty cycle	: Cont.(S1)
Rated torque	: 398 ft.lb	Insulation class	: F
Locked rotor torque	: 250 %	Service factor	: 1.00
Breakdown torque	: 310 %	Temperature rise	: 80 K
Rated speed	: 990 rpm	Design	: B
	2	I	

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

Rev.		Changes Summary	Performed	Checked	Date
Performed by					
Checked by				Page	Revision
Date	13/04/2022			4 / 36	



Three Phase Induction Motor - Squirrel Cage Customer Product line : NEMA Premium Efficiency Three-Product code: 11356020 Catalog #: 10012ET3G444T-W22 TORQUE AND CURRENT VS SPEED CURVE 4.5 3.5 Torque (pu) Current 0.5 Percent of synchronous speed ◆ Torque - 1 p.u. = 398 ft.lb ◆ Current - 1 p.u. = 102 A (415 V) Performance : 415 V 50 Hz 6P IE3 Rated current : 102 A Moment of inertia (J) : 87.3 sq.ft.lb **LRC** : 7.7 Duty cycle : Cont.(S1) : 398 ft.lb Insulation class Rated torque : F : 270 % Locked rotor torque Service factor : 1.00 Breakdown torque : 340 % Temperature rise : 80 K Rated speed : 990 rpm Design : B Locked rotor time : 27s (cold) 15s (hot) Rev. Performed Checked Date **Changes Summary**

Performed by

Three Phase Induction Motor - Squirrel Cage



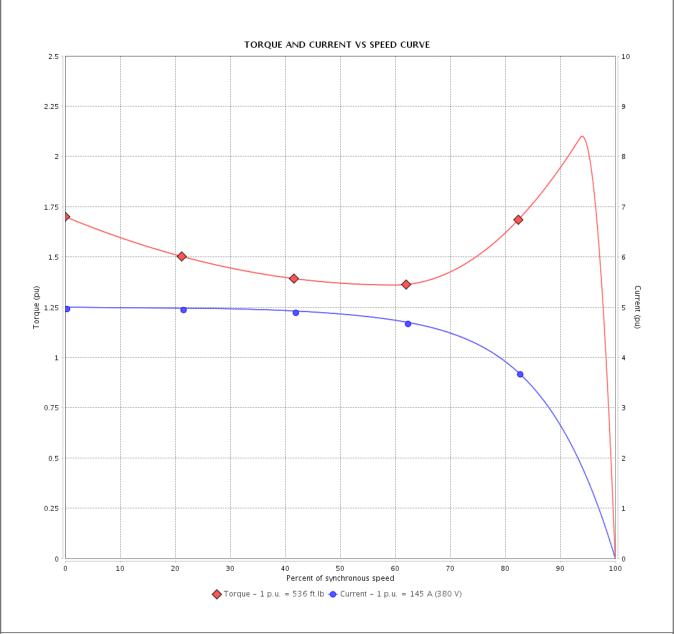
Customer :

Product line : NEMA Premium Efficiency Three- Product of

Phase

Product code: 11356020

Catalog #: 10012ET3G444T-W22



Performance : 380 V 50 Hz 6P IE1 Rated current : 145 A Moment of inertia (J) : 87.3 sq.ft.lb **LRC** : 5.0 Duty cycle : Cont.(S1) Insulation class Rated torque : 536 ft.lb : F Service factor Locked rotor torque : 170 % : 1.00 : 210 % Breakdown torque Temperature rise : 105 K Rated speed : 980 rpm Design : B

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

Rev.		Changes Summary	Performed	Checked	Date
Performed by					
Checked by				Page	Revision
Date	13/04/2022			6 / 36	

Three Phase Induction Motor - Squirrel Cage



Customer Product line : NEMA Premium Efficiency Three-Product code: 11356020 Catalog #: 10012ET3G444T-W22 TORQUE AND CURRENT VS SPEED CURVE 2.25

1.75 1.5 (bd) 1.25 Current 0.5 0.25 Percent of synchronous speed ◆ Torque - 1 p.u. = 533 ft.lb ◆ Current - 1 p.u. = 139 A (400 V)

Performance : 400 V 50 Hz 6P IE2 Rated current : 139 A Moment of inertia (J) : 87.3 sq.ft.lb **LRC** : 5.5 Duty cycle : Cont.(S1) Insulation class Rated torque : 533 ft.lb : F Locked rotor torque : 190 % Service factor : 1.00 Breakdown torque : 229 % Temperature rise : 105 K Rated speed : 985 rpm Design : B

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

Rev.		Changes Summary	Performed	Checked	Date
Performed by					
Checked by				Page	Revision
Date	13/04/2022			7 / 36	

Three Phase Induction Motor - Squirrel Cage



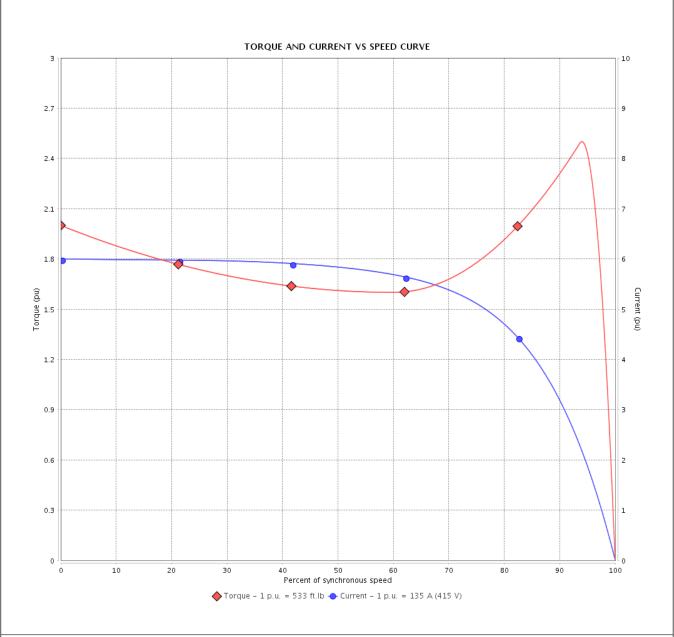
Customer :

Product line : NEMA Premium Efficiency Three- Pro

Phase

Product code: 11356020

Catalog #: 10012ET3G444T-W22



Performance : 415 V 50 Hz 6P IE2 Rated current : 135 A Moment of inertia (J) : 87.3 sq.ft.lb **LRC** : 6.0 Duty cycle : Cont.(S1) Insulation class Rated torque : 533 ft.lb : F Locked rotor torque : 200 % Service factor : 1.00 Breakdown torque : 250 % Temperature rise : 105 K Rated speed : 985 rpm Design : B

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

Rev.		Changes Summary	Performed	Checked	Date
Performed by					
Checked by				Page	Revision
Date	13/04/2022			8 / 36	

Three Phase Induction Motor - Squirrel Cage



Customer

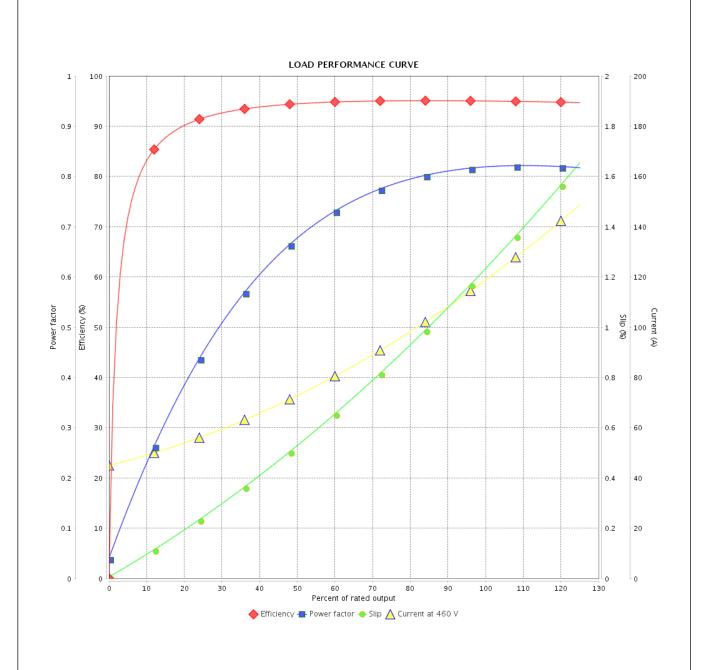
Product line : NEMA Premium Efficiency Three- Product code :

Phase

Catalog #: 10012ET3G444T-W22

11356020

9/36



Performance	: 460 V 60 Hz 6P				
Rated current LRC Rated torque Locked rotor torque Breakdown torque Rated speed	: 121 A : 6.2 : 443 ft.lb : 220 % : 250 % : 1185 rpm	Moment of in Duty cycle Insulation classification factor Temperature Design	ass or	: 87.3 sq.ft.lb : Cont.(S1) : F : 1.25 : 80 K : B	
Rev.	Changes Summary		Performed	Checked	Date
Performed by					
Checked by				Page	Revision

13/04/2022

Date

Three Phase Induction Motor - Squirrel Cage



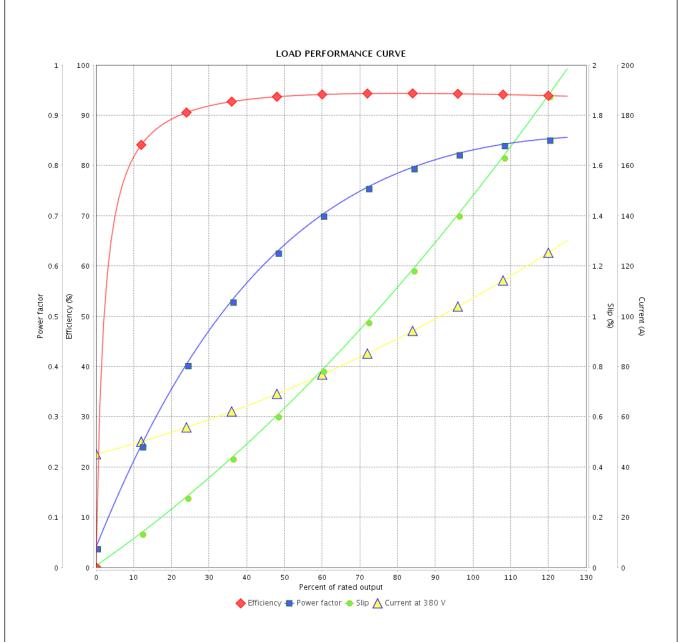
Customer :

Product line : NEMA Premium Efficiency Three- Pr

Phase

Product code: 11356020

Catalog #: 10012ET3G444T-W22



Performance	: 3	80 V 50 Hz 6P IE	3			
Rated current LRC Rated torque Locked rotor tord Breakdown torqu Rated speed	: 6 : 4 que : 2 ue : 2	07 A .6 00 ft.lb 29 % 80 % 85 rpm	Moment o Duty cycle Insulation Service fa Temperatu Design	class ctor	: 87.3 sq.ft.lb : Cont.(S1) : F : 1.00 : 80 K : B	
Rev.		Changes Summ	ary	Performed	Checked	Date
Performed by Checked by		_			Page	Revision

10/36

13/04/2022

Date

Three Phase Induction Motor - Squirrel Cage

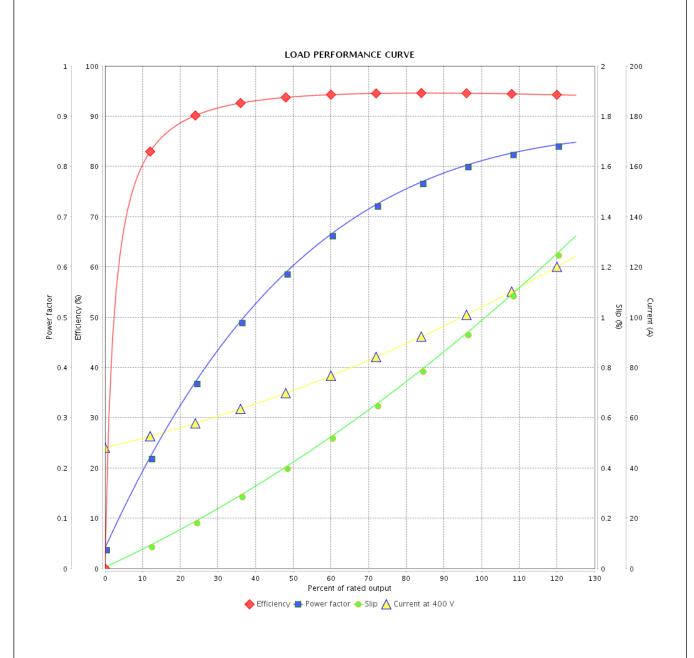


Customer

Product line : NEMA Premium Efficiency Three- Product code : 11356020

Phase

Catalog #: 10012ET3G444T-W22



Performance	erformance : 400 V 50 Hz 6P IE3					
Rated current	Rated current : 104 A Mo		Moment o	f inertia (J)	: 87.3 sq.ft.lb	
LRC	: 7	7.2	Duty cycle)	: Cont.(S1)	
Rated torque	: 3	398 ft.lb	Insulation	class	: F	
Locked rotor torque	e :2	250 %	Service fa	ctor	: 1.00	
Breakdown torque : 310 %		310 %	Temperature rise		: 80 K	
Rated speed	: 9	990 rpm	Design	Design		
Rev.		Changes Summary		Performed	Checked	Date
Darfarmed by		1				
Performed by						
Checked by					Page	Revision
Date	13/04/2022				11 / 36	

Three Phase Induction Motor - Squirrel Cage

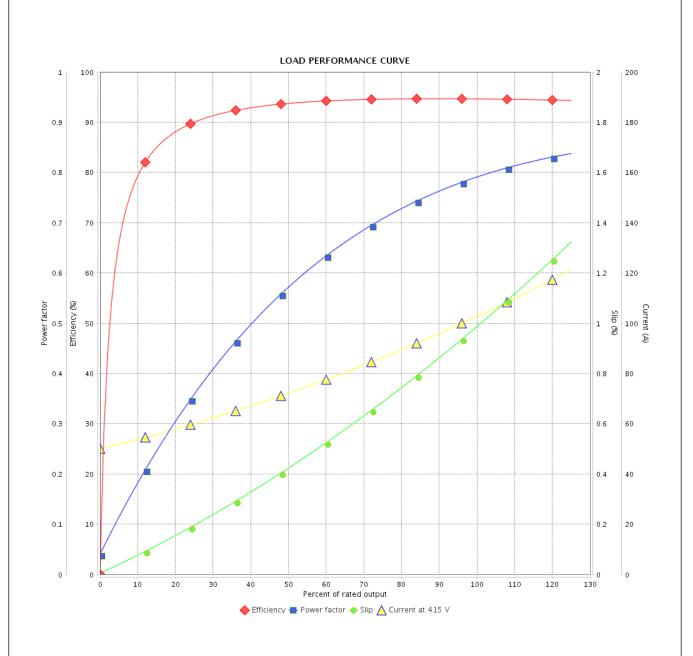


Customer

Product line : NEMA Premium Efficiency Three- Product code : 11356020

Phase

Catalog #: 10012ET3G444T-W22



Performance	: 415 V 50 Hz 6P IE3			
Rated current LRC Rated torque Locked rotor torque Breakdown torque Rated speed	: 102 A : 7.7 : 398 ft.lb : 270 % : 340 % : 990 rpm	Moment of inertia (J) Duty cycle Insulation class Service factor Temperature rise Design	: 87.3 sq.ft.lb : Cont.(S1) : F : 1.00 : 80 K : B	
Rev.	Changes Summary	Performed	Checked	Date
Performed by				
Checked by			Page	Revision

12/36

13/04/2022

Date

Three Phase Induction Motor - Squirrel Cage

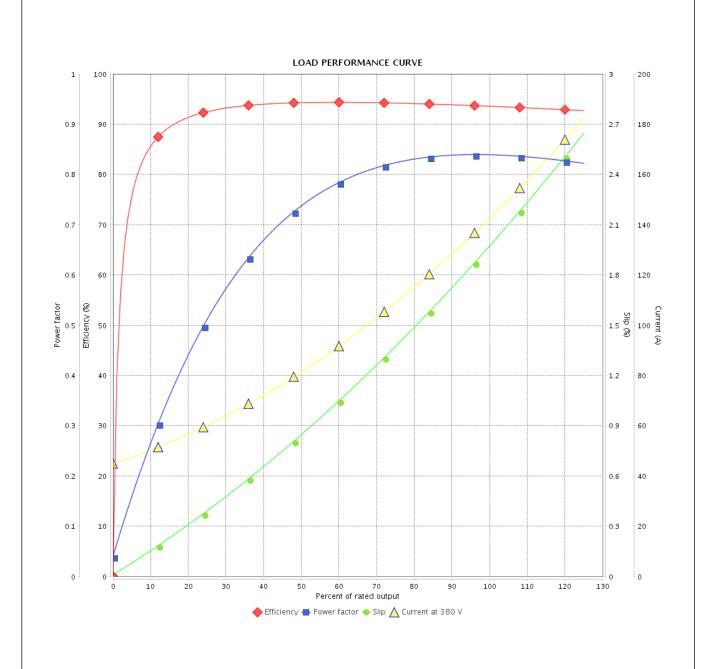


Customer

Product line : NEMA Premium Efficiency Three- Product code : 11356020

Phase

Catalog #: 10012ET3G444T-W22



Performance	: :	380 V 50 Hz 6P IE1				
Rated current	:	145 A	Moment o	f inertia (J)	: 87.3 sq.ft.lb	
LRC	:	5.0	Duty cycle	;	: Cont.(S1)	
Rated torque	:	536 ft.lb	Insulation	class	: F	
Locked rotor torqu	ie :	170 %	Service fa	ctor	: 1.00	
Breakdown torque		210 %	Temperati	Temperature rise		
Rated speed	: 9	980 rpm	Design		: B	
Rev.		Changes Summa	ary	Performed	Checked	Date
Performed by						
Checked by					Page	Revision
Date	13/04/2022				13 / 36	

Three Phase Induction Motor - Squirrel Cage



Customer :

Checked by

Date

13/04/2022

Product line : NEMA Premium Efficiency Three-

Phase

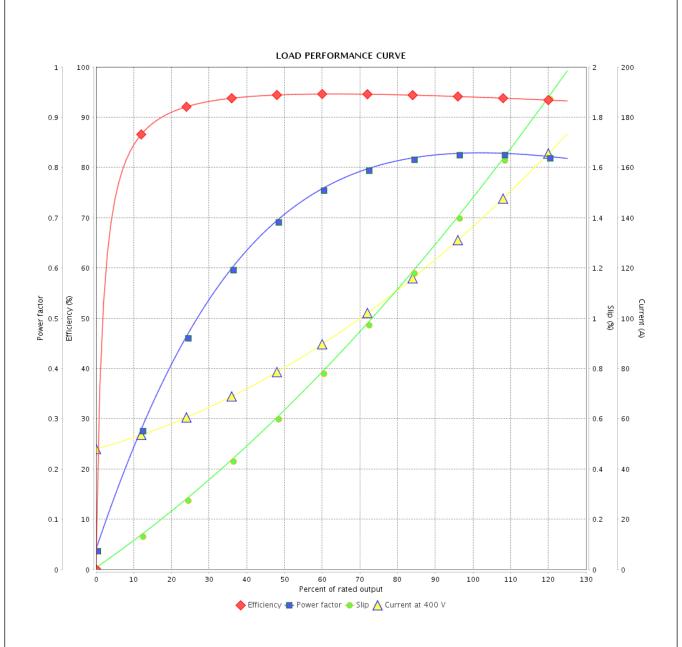
Product code: 11356020

Catalog #: 10012ET3G444T-W22

Page

14/36

Revision



Performance	: 400 V 50 Hz 6P IE2				
Rated current LRC Rated torque Locked rotor torque Breakdown torque Rated speed	: 139 A : 5.5 : 533 ft.lb : 190 % : 229 % : 985 rpm	Moment of Duty cycle Insulation Service fa Temperate Design	class ctor	: 87.3 sq.ft.lb : Cont.(S1) : F : 1.00 : 105 K : B	
Rev.	Changes Summary		Performed	Checked	Date
Performed by					

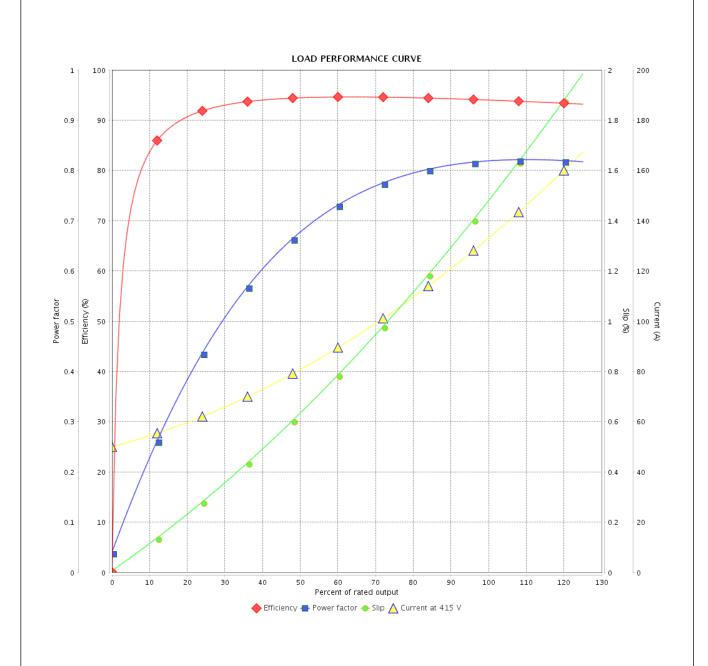
Three Phase Induction Motor - Squirrel Cage



Customer

Product line : NEMA Premium Efficiency Three-Product code: 11356020

Catalog #: 10012ET3G444T-W22



Performance	: 4	115 V 50 Hz 6P IE2				
Rated current	: 1	135 A	Moment o	f inertia (J)	: 87.3 sq.ft.lb	
LRC	: 6	3.0	Duty cycle	;	: Cont.(S1)	
Rated torque : 5		533 ft.lb	Insulation	class	: F	
Locked rotor torque		200 %	Service fa	ctor	: 1.00	
Breakdown torque		250 %	Temperatu	ıre rise	: 105 K	
Rated speed	: 9	985 rpm	Design		: B	
Rev.		Changes Summa	iry	Performed	Checked	Date
Performed by						
Checked by					Page	Revision
Date	13/04/2022				15 / 36	

Three Phase Induction Motor - Squirrel Cage

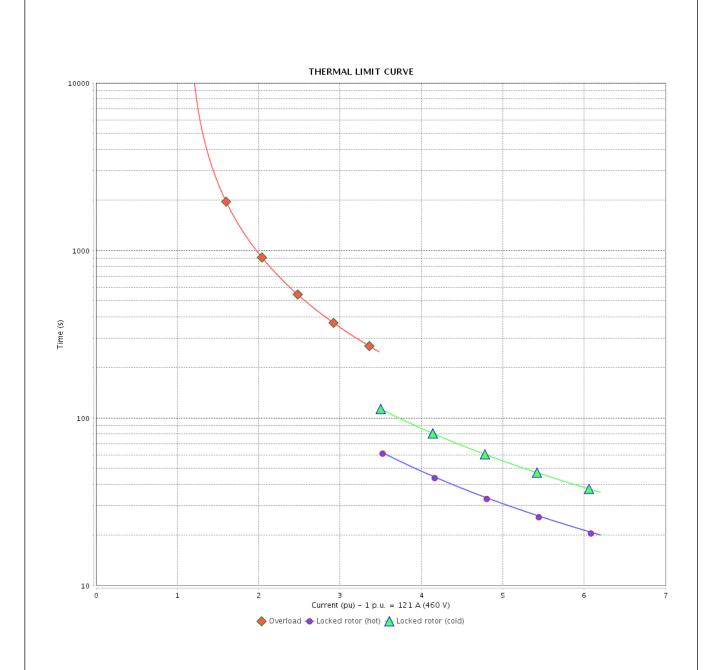


Customer	:				
Product line	: NEMA Premium Efficiend Phase		Product code : Catalog # :	11356020 10012ET3G4	44T-W22
Performance	: 460 V 60 Hz 6P				
Rated current LRC Rated torque	: 121 A : 6.2 : 443 ft.lb	Moment of Duty cycle Insulation	of inertia (J) e class	: 87.3 sq.ft.lb : Cont.(S1) : F	
Locked rotor torque Breakdown torque	: 220 % : 250 %	Service fa Temperat	actor	: 1.25 : 80 K	
Rated speed	: 1185 rpm	Design		: B	
Heating constant Cooling constant					
Rev.	Changes Summary		Performed	Checked	Date
Performed by					
Checked by				Page	Revision
Data	13/04/2022			16 / 36	

Three Phase Induction Motor - Squirrel Cage



Customer



Rev.		Changes Summary	Performed	Checked	Date
Performed by					
Checked by				Page	Revision
Date	13/04/2022			17 / 36	

Three Phase Induction Motor - Squirrel Cage

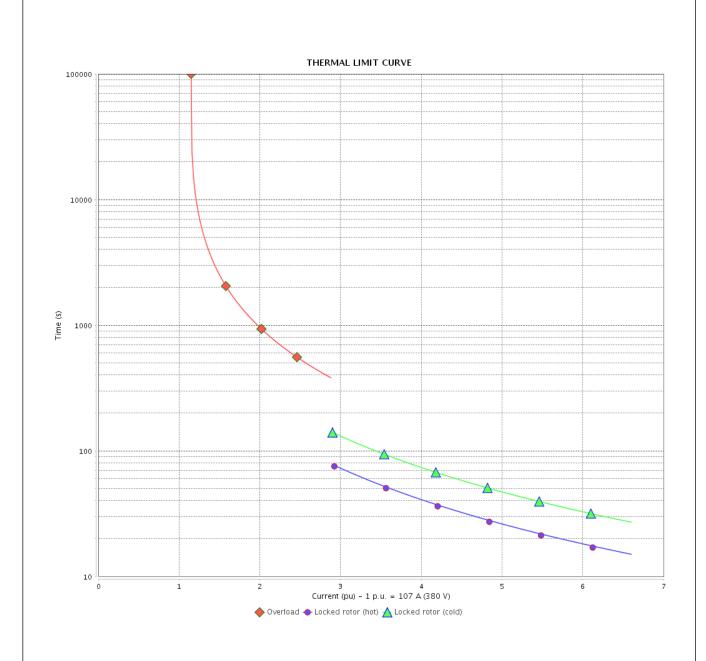


Customer	:					
Product line		NEMA Premium Efficiency hase		Product code :	11356020 10012ET3G4	44T-W22
Performance	: 38	80 V 50 Hz 6P IE3				
Rated current LRC Rated torque Locked rotor torque Breakdown torque Rated speed	: 10 : 6. : 40 e : 22 : 28	07 A	Moment of Duty cycle Insulation Service far Temperatu Design	class ctor	: 87.3 sq.ft.lb : Cont.(S1) : F : 1.00 : 80 K : B	
Heating constant Cooling constant Rev.		Changes Summary		Performed	Checked	Date
Performed by Checked by	10/04/0005				Page	Revision

Three Phase Induction Motor - Squirrel Cage



Customer



Rev.		Changes Summary	Performed	Checked	Date
Performed by					
Checked by				Page	Revision
Date	13/04/2022			19 / 36	

Three Phase Induction Motor - Squirrel Cage

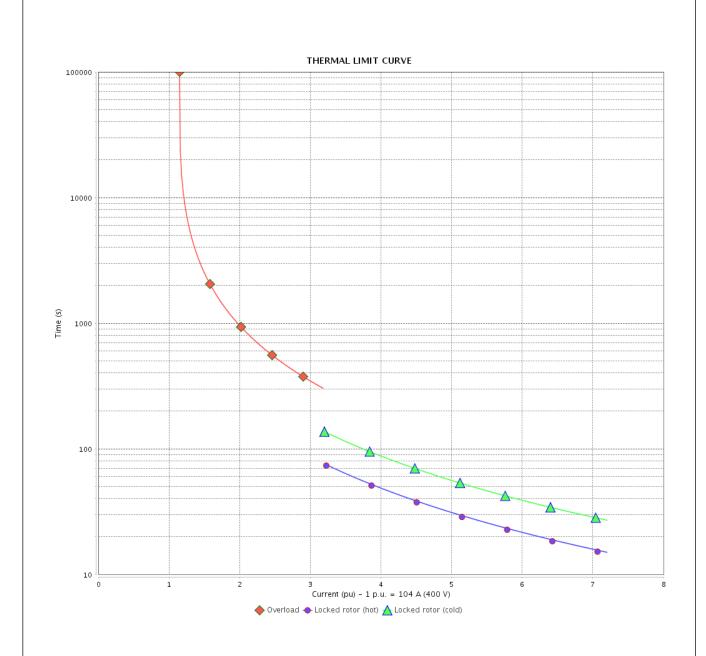


Customer	:				_	
Product line		NEMA Premium Efficiency i		Product code :	11356020 10012ET3G4	14T-W22
Performance Rated current LRC Rated torque Locked rotor torque Breakdown torque Rated speed	: 10 : 7. : 39 : 26 : 3	00 V 50 Hz 6P IE3 04 A 2 98 ft.lb 50 % 10 % 90 rpm	Moment of Duty cycle Insulation Service fac Temperatu Design	class	: 87.3 sq.ft.lb : Cont.(S1) : F : 1.00 : 80 K : B	
Heating constant Cooling constant Rev.		Changes Summary		Performed	Checked	Date
Performed by Checked by	10/01/0005				Page	Revision

Three Phase Induction Motor - Squirrel Cage



Customer



Rev.		Changes Summary	Performed	Checked	Date
Performed by					
Checked by				Page	Revision
Date	13/04/2022			21 / 36	

Three Phase Induction Motor - Squirrel Cage

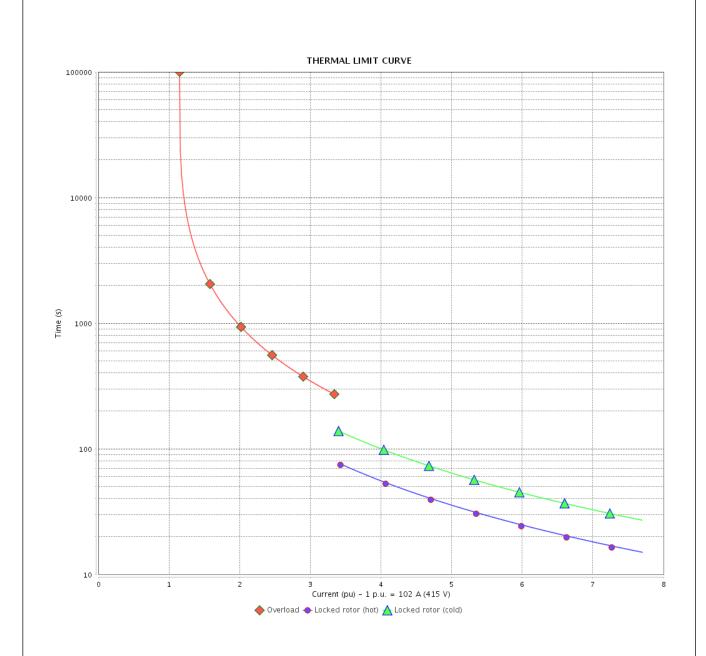


Customer		:				
Product line		: NEMA Premium Efficiency Phase	Three-	Product code :	11356020	
		T Hade		Catalog # :	10012ET3G44	14T-W22
D. (445.7/50.11.00.150				
Performance Rated current		: 415 V 50 Hz 6P IE3 : 102 A	Moment	of inertia (J)	· 97 2 og ft lb	
LRC		: 7.7	Duty cycle	e (3)	: 87.3 sq.ft.lb : Cont.(S1)	
Rated torque		: 398 ft.lb	Insulation	class	: F	
Locked rotor tord Breakdown torqu		: 270 % : 340 %	Service fa Temperat		: 1.00 : 80 K	
Rated speed		: 990 rpm	Design	ui 0 1100	: B	
Heating constan	ıt					
Cooling constant						
Rev.		Changes Summary		Performed	Checked	Date
Performed by						
Checked by					Page	Revision
Date	13/04/2022				22 / 36	

Three Phase Induction Motor - Squirrel Cage



Customer



Rev.		Changes Summary	Performed	Checked	Date
Performed by					
Checked by				Page	Revision
Date	13/04/2022			23 / 36	

Three Phase Induction Motor - Squirrel Cage

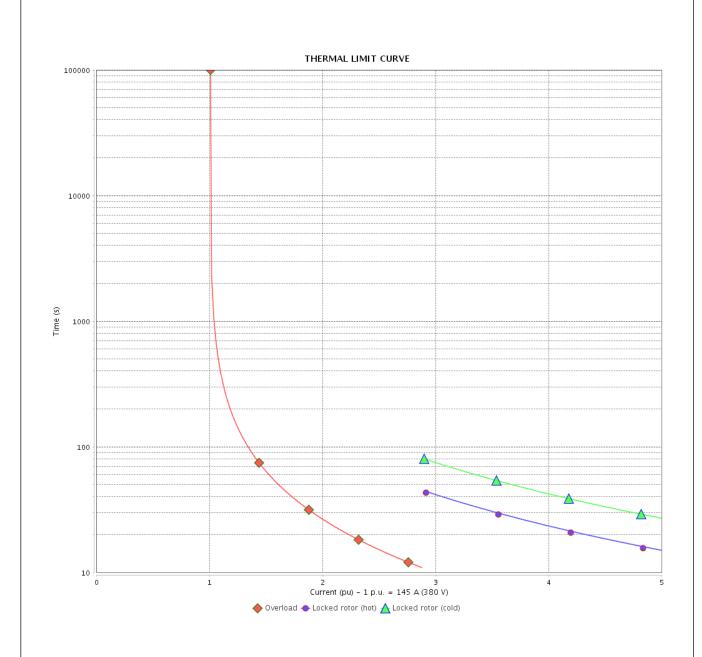


Customer	:					
Product line		NEMA Premium Efficiency hase		Product code :	11356020 10012ET3G44	14T-W22
Performance		30 V 50 Hz 6P IE1 45 A	Mamont of	finantia (I)	. 97.2 og # lb	
Rated current LRC Rated torque Locked rotor torque Breakdown torque Rated speed	: 5. : 53 e : 17 : 2°		Duty cycle Insulation Service fac Temperatu Design	class ctor	: 87.3 sq.ft.lb : Cont.(S1) : F : 1.00 : 105 K : B	
Heating constant Cooling constant Rev.		Changes Summary		Performed	Checked	Date
Performed by Checked by	10/04/5333				Page	Revision

Three Phase Induction Motor - Squirrel Cage



Customer



Rev.		Changes Summary	Performed	Checked	Date
Performed by					
Checked by				Page	Revision
Date	13/04/2022			25 / 36	

Three Phase Induction Motor - Squirrel Cage

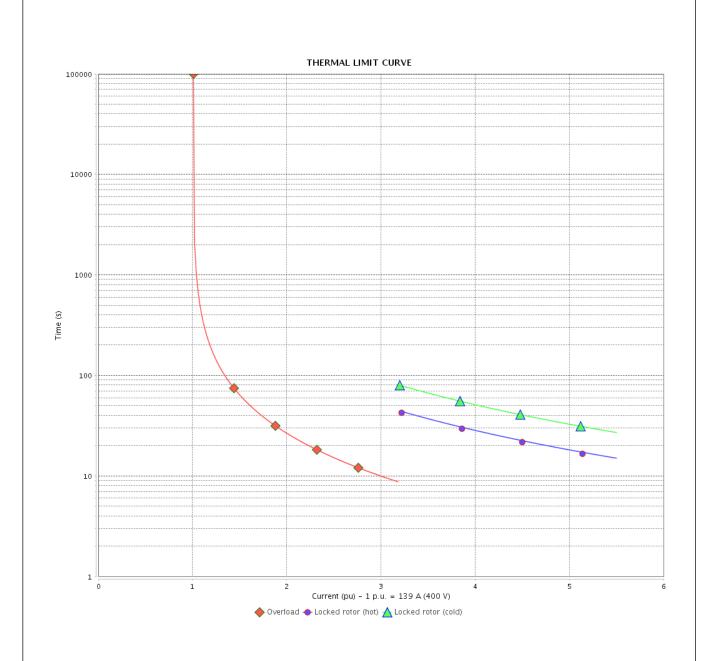


Customor						
Customer	:					
Product line		NEMA Premium Efficiency T	Three- F	Product code :	11356020	
		1430	(Catalog # :	10012ET3G4	14T-W22
Performance		00 V 50 Hz 6P IE2				
Rated current LRC	: 13 : 5.	89 A	Moment of Duty cycle	f inertia (J)	: 87.3 sq.ft.lb : Cont.(S1)	
Rated torque	: 53	33 ft.lb	Insulation	class	: F	
Locked rotor torqu		90 %	Service fac		: 1.00	
Breakdown torque Rated speed		29 % 35 rpm	Temperatu Design	ıre rise	: 105 K : B	
Heating constant						
Cooling constant						
Rev.		Changes Summary		Performed	Checked	Date
Performed by						
Checked by					Page	Revision
Date	13/04/2022				26 / 36	

Three Phase Induction Motor - Squirrel Cage



Customer



Rev.		Changes Summary	Performed	Checked	Date
Performed by					
Checked by				Page	Revision
Date	13/04/2022			27 / 36	

Three Phase Induction Motor - Squirrel Cage

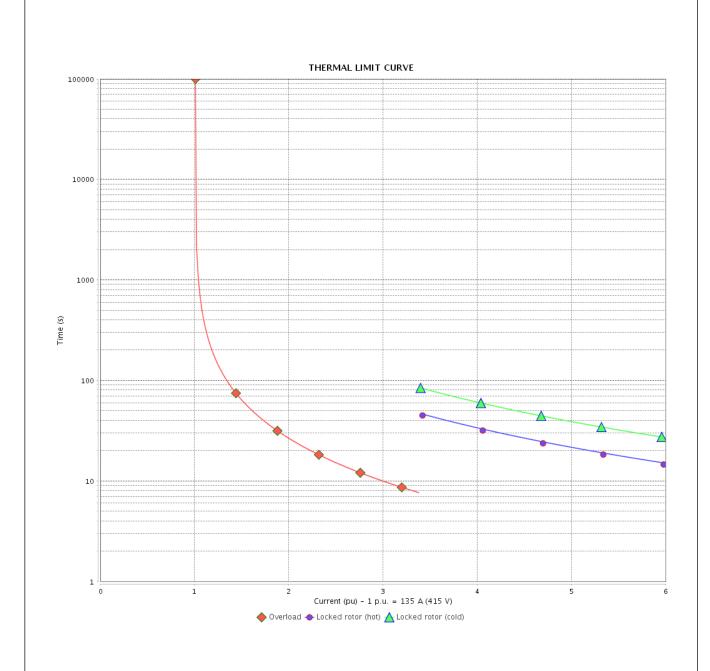


Customer		:				
Product line		: NEMA Premium Efficiency Phase		Product code : Catalog # :	11356020 10012ET3G44	14T-W22
Performance		: 415 V 50 Hz 6P IE2				
Rated current		: 135 A	Moment o	of inertia (J)	: 87.3 sq.ft.lb	
LRC		: 6.0	Duty cycle Insulation	9	: Cont.(S1)	
Rated torque Locked rotor torc		: 533 ft.lb : 200 %	Service fa		: F : 1.00	
Breakdown torqu	ie :	: 250 %	Temperat		: 105 K	
Rated speed		: 985 rpm	Design		: B	
Heating constant Cooling constant						
Rev.		Changes Summary	<u> </u>	Performed	Checked	Date
Performed by						
Checked by	13/04/2022				Page 28 / 36	Revision

Three Phase Induction Motor - Squirrel Cage



Customer



Rev.		Changes Summary	Performed	Checked	Date
Performed by					
Checked by				Page	Revision
Date	13/04/2022			29 / 36	

Three Phase Induction Motor - Squirrel Cage



Customer :

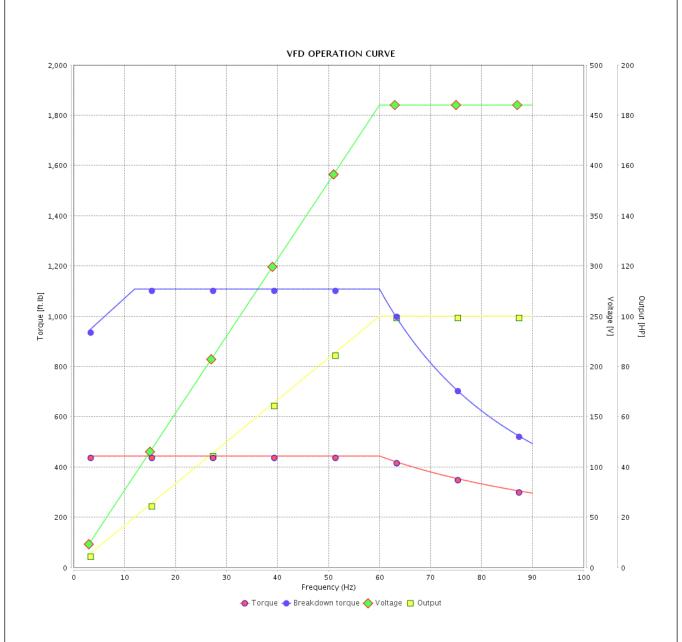
Product line : NEMA Premium Efficiency Three-

Phase

Product code: 11356020

Catalog #: 10012ET3G444T-W22

30 / 36



Performance	: 460 V 60 Hz 6P				
Rated current	: 121 A	Moment of inerti	oment of inertia (J) : 87.3 sq.ft.lb		
LRC	: 6.2	Duty cycle		: Cont.(S1)	
Rated torque	: 443 ft.lb	Insulation class		: F	
Locked rotor torque	: 220 %	Service factor		: 1.25	
Breakdown torque	: 250 %	Temperature rise		: 80 K	
Rated speed	: 1185 rpm	Design		: B	
Rev.	Changes Summary	Pe	rformed	Checked	Date
Performed by					
Checked by				Page	Revision

13/04/2022

Date

Three Phase Induction Motor - Squirrel Cage



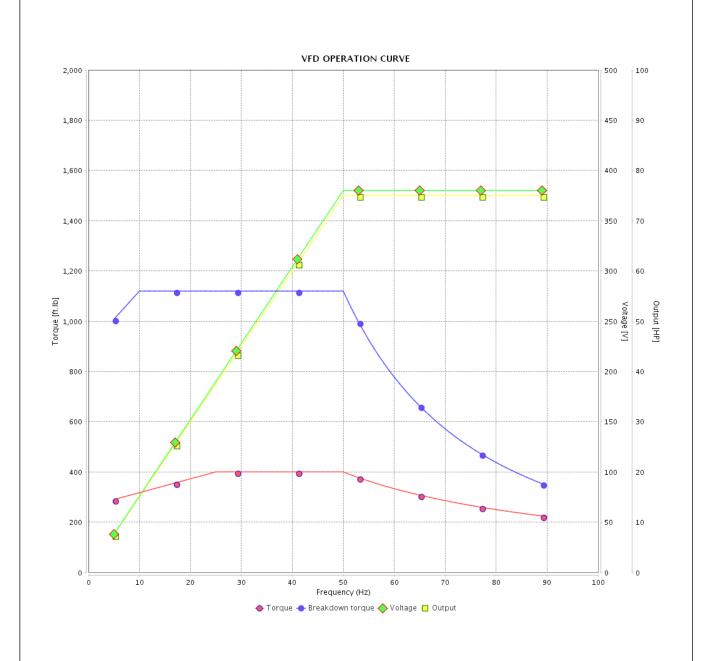
Customer

Product line : NEMA Premium Efficiency Three- Product code :

Phase

Product code: 11356020

Catalog #: 10012ET3G444T-W22



5 (2001/5011 00150				
Performance	:;	380 V 50 Hz 6P IE3				
Rated current	: '	107 A	Moment of	f inertia (J)	: 87.3 sq.ft.lb	
LRC	: (6.6	Duty cycle	•	: Cont.(S1)	
Rated torque	-	400 ft.lb	Insulation	class	: F	
Locked rotor tord	que : 2	229 %	Service fa	ctor	: 1.00	
Breakdown torqu	ue : 2	280 %	Temperat	ure rise	: 80 K	
Rated speed	: 9	985 rpm	Design		: B	
Rev.		Changes Summary	/	Performed	Checked	Date
Performed by						
Checked by					Page	Revision
Date	13/04/2022				31 / 36	

Three Phase Induction Motor - Squirrel Cage



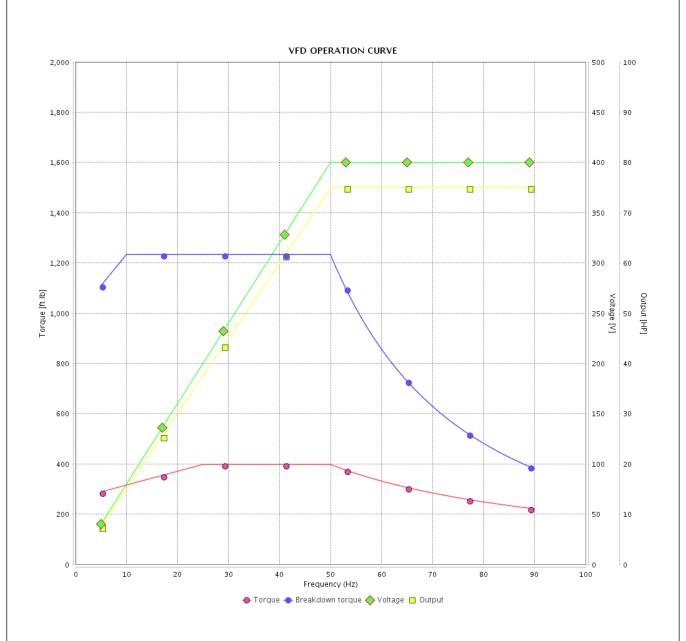
Customer :

Product line : NEMA Premium Efficiency Three-

Phase

Product code: 11356020

Catalog #: 10012ET3G444T-W22



D (400 \ / 50 \ \				
Performance	: 400 V 50 Hz 6P IE3				
Rated current	: 104 A	Moment of	of inertia (J)	: 87.3 sq.ft.lb	
LRC	: 7.2	Duty cycle	е	: Cont.(S1)	
Rated torque	: 398 ft.lb	Insulation	class	: F	
Locked rotor torque			: 1.00		
Breakdown torque	: 310 %	Temperature rise		: 80 K	
Rated speed	: 990 rpm	Design		: B	
Rev.	Changes Summary		Performed	Checked	Date
Performed by					
Checked by				Page	Revision

32 / 36

13/04/2022

Date

Three Phase Induction Motor - Squirrel Cage

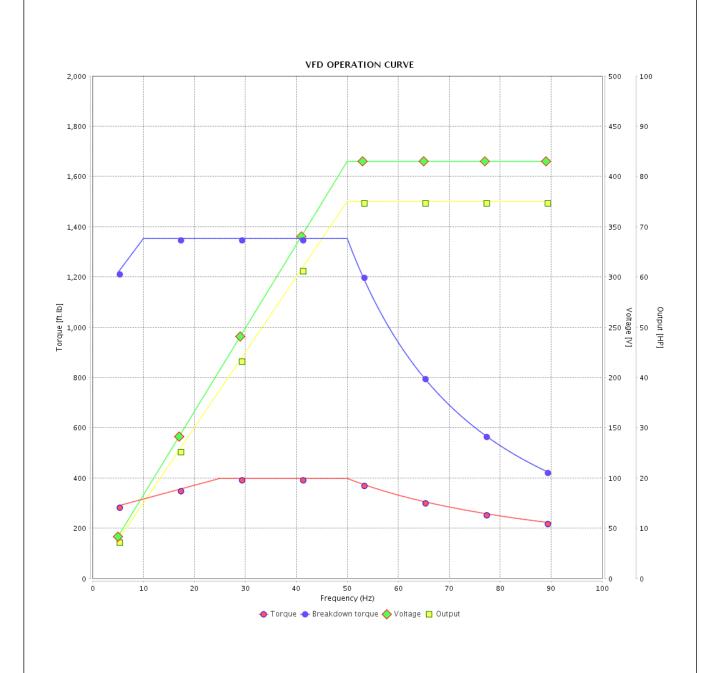


Customer

Product line : NEMA Premium Efficiency Three- Product code : 11356020

Phase

Catalog #: 10012ET3G444T-W22



Performance	:	415 V 50 Hz 6P IE3				
Rated current	:	102 A	2 A Moment of inertia (J)		: 87.3 sq.ft.lb	
LRC	:	7.7	Duty cycle	;	: Cont.(S1)	
Rated torque	:	398 ft.lb	Insulation	class	: F	
Locked rotor torque	e :	270 %	Service fa	ctor	: 1.00	
Breakdown torque	:	340 %	Temperature rise		: 80 K	
Rated speed	:	990 rpm	Design		: B	
Rev.		Changes Summary		Performed	Checked	Date
Performed by						
Checked by					Page	Revision
Date	13/04/2022				33 / 36	

Three Phase Induction Motor - Squirrel Cage



Customer :

Checked by

Date

13/04/2022

Product line : NEMA Premium Efficiency Three- F

Phase

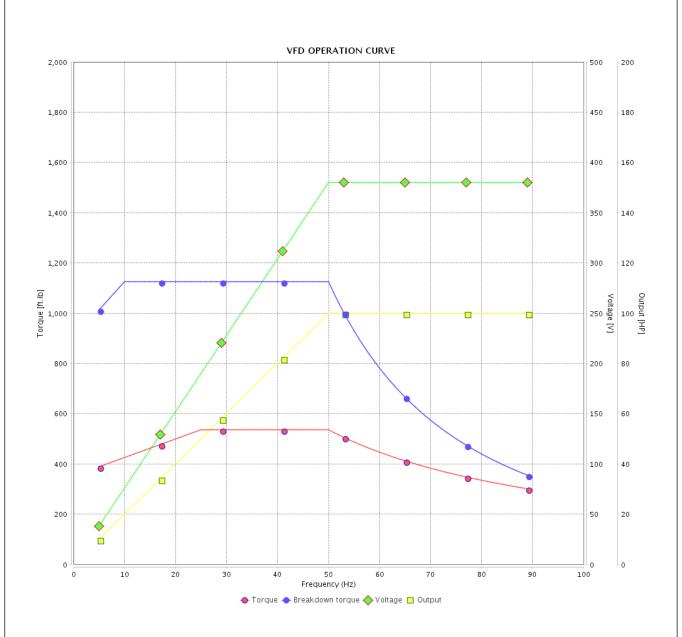
Product code: 11356020

Catalog #: 10012ET3G444T-W22

Page

34 / 36

Revision



Performance	: 380 V 50 Hz 6P IE1				
Rated current LRC Rated torque Locked rotor torque Breakdown torque Rated speed	: 145 A : 5.0 : 536 ft.lb : 170 % : 210 % : 980 rpm	Moment of Duty cycle Insulation Service fa Temperate Design	class ctor	: 87.3 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



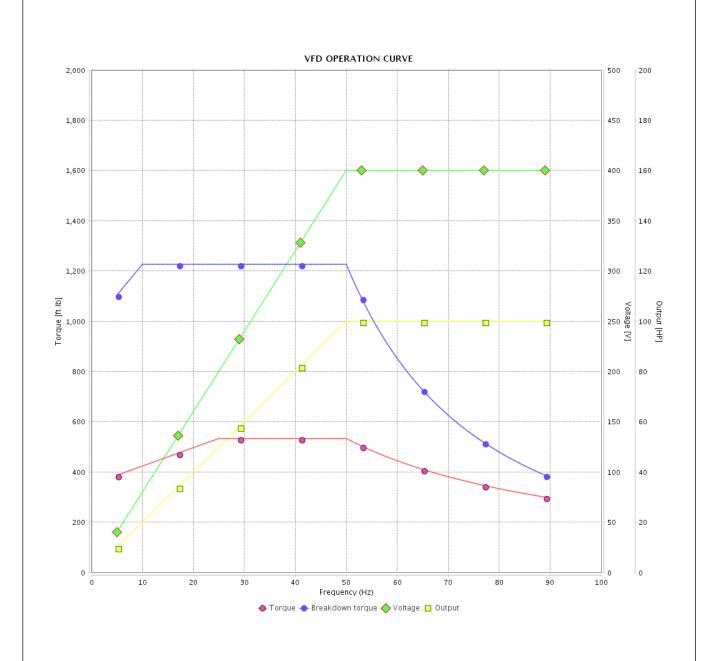
Customer

Product line : NEMA Premium Efficiency Three- Product code :

Phase

Product code: 11356020

Catalog #: 10012ET3G444T-W22



Performance	: 4	00 V 50 Hz 6P IE2				
Rated current	: 1	39 A	9 A Moment of in		: 87.3 sq.ft.lb	
LRC	: 5	.5	Duty cycle	;	: Cont.(S1)	
Rated torque	: 5	33 ft.lb	Insulation	class	: F	
Locked rotor torqu	e :1	90 %	Service fa	ctor	: 1.00	
Breakdown torque	: 2	29 %	Temperatu	ıre rise	: 105 K	
Rated speed	: 9	85 rpm	Design		: B	
Rev.		Changes Summa	ry	Performed	Checked	Date
Performed by						
Checked by					Page	Revision
Date	13/04/2022				35 / 36	

Three Phase Induction Motor - Squirrel Cage



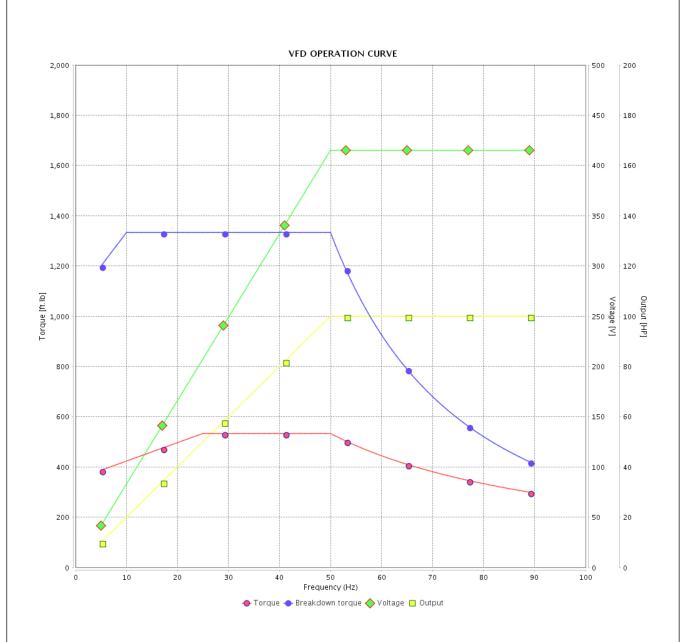
Customer :

Product line : NEMA Premium Efficiency Three- P

Phase

Product code: 11356020

Catalog #: 10012ET3G444T-W22



Performance	: 415 V 50 Hz 6P IE2				
Rated current	: 135 A	Moment of inertia (J) Duty cycle Insulation class Service factor Temperature rise Design		: 87.3 sq.ft.lb : Cont.(S1) : F : 1.00 : 105 K : B	
LRC	: 6.0				
Rated torque	: 533 ft.lb : 200 % : 250 %				
Locked rotor torque					
Breakdown torque					
Rated speed	: 985 rpm				
Rev.	Changes Summary		Performed	Checked	Date
Performed by					
Checked by				Page	Revision

36 / 36

13/04/2022

Date

