DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : NEMA Premium Efficiency Three- Product code : 11356035

Phase

Catalog #: 12518ET3G444T-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 : 1644 lb

Protection degree : IP55 Moment of inertia (J) : 57.2 sq.ft.lb

Design	е	: IP55 : B	, , ,					
Output [HP]		125	100	100	100	125	125	125
Poles		4	4	4	4	4	4	4
Frequency [Hz]		60	50	50	50	50	50	50
Rated voltage [V]		460	380	400	415	380	400	415
Rated current [A]		139	139	136	132	168	160	155
L. R. Amperes [A]		904	890	952	1003	857	912	961
LRC [A]		6.5x(Code G)	6.4x(Code G)	7.0x(Code H)	7.6x(Code J)	5.1x(Code E)	5.7x(Code F)	6.2x(Code F)
No load current [A]	40.0	40.0	43.0	45.0	40.0	43.0	45.0
Rated speed [RPN		1780	1480	1480	1485	1475	1475	1480
Slip [%]			1.33	1.33	1.00	1.67	1.67	1.33
Rated torque [ft.lb]		368	354	354	353	445	444	443
Locked rotor torque [%]		200	200	229	240	160	180	190
Breakdown torque	Breakdown torque [%]		229	260	280	180	200	220
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	80 K	80 K	80 K
Locked rotor time		48s (cold)	32s (cold)	32s (cold)	32s (cold)	32s (cold)	32s (cold)	32s (cold)
		27s (hot)	18s (hot)	18s (hot)	18s (hot)	18s (hot)	18s (hot)	18s (hot)
Noise level ²		73.0 dB(A)	69.0 dB(A)	69.0 dB(A)	69.0 dB(A)	69.0 dB(A)	69.0 dB(A)	69.0 dB(A)
	25%	94.9	94.7	94.5	94.1	95.3	95.3	94.9
Efficiency (%)	50%	95.0	94.7	94.6	94.3	95.0	95.0	95.0
Liliciency (70)	75%	95.4	95.1	95.1	95.1	95.0	95.0	95.0
	100%	95.4	95.0	95.0	95.2	94.5	94.5	95.0
	25%	0.52	0.50	0.47	0.44	0.58	0.54	0.52
Power Factor	50%	0.74	0.73	0.69	0.67	0.79	0.76	0.74
FOWEI FACIOI	75%	0.82	0.82	0.80	0.78	0.85	0.83	0.82
	100%	0.85	0.86	0.84	0.83	0.86	0.86	0.85

Bearing type

Drive end Non drive end Foundation loads
6319 C3 6316 C3 Max. traction

Bearing type : 6319 C3 6316 C3 Max. traction : 1779 lb Sealing : WSeal WSeal Max. compression : 3423 lb Lubrication interval : 8000 h

Lubricant amount : 45 g 34 g Lubricant type : 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		1 / 36	

Three Phase Induction Motor - Squirrel Cage



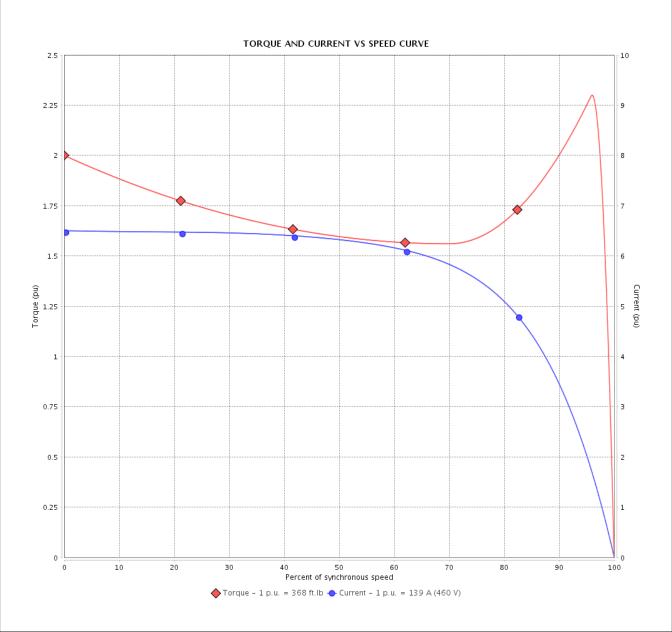
Customer :

Product line : NEMA Premium Efficiency Three- Prod

Phase

Product code: 11356035

Catalog #: 12518ET3G444T-W22



Performance : 460 V 60 Hz 4P Rated current : 139 A Moment of inertia (J) : 57.2 sq.ft.lb **LRC** : 6.5 Duty cycle : Cont.(S1) : F Insulation class Rated torque : 368 ft.lb Service factor Locked rotor torque : 200 % : 1.15 Breakdown torque : 229 % Temperature rise : 80 K Rated speed : 1780 rpm Design : B

Locked rotor time : 48s (cold) 27s (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

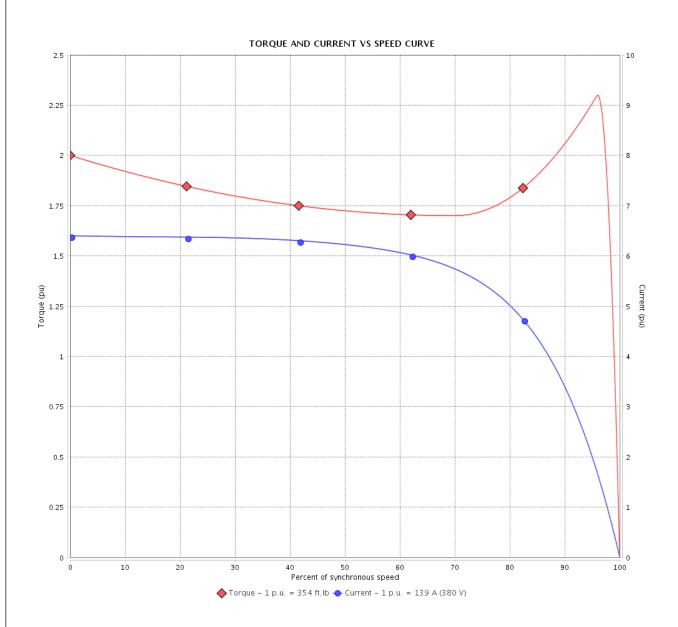


Customer :

Product line : NEMA Premium Efficiency Three- Product code : 11356035

Phase

Catalog #: 12518ET3G444T-W22



Performance : 380 V 50 Hz 4P IE3 Rated current : 139 A Moment of inertia (J) : 57.2 sq.ft.lb **LRC** : 6.4 Duty cycle : Cont.(S1) Rated torque : 354 ft.lb Insulation class : F : 200 % : 1.00 Locked rotor torque Service factor : 80 K Breakdown torque : 229 % Temperature rise : B Rated speed : 1480 rpm Design

Locked rotor time : 32s (cold) 18s (hot)

LOCKCU TOLOT LITT	. 0.	23 (COId) 103 (1101)			
Rev.		Changes Summary	Performed	Checked	Date
Performed by					
Checked by				Page	Revision
Date	13/04/2022	1		3 / 36	

Three Phase Induction Motor - Squirrel Cage



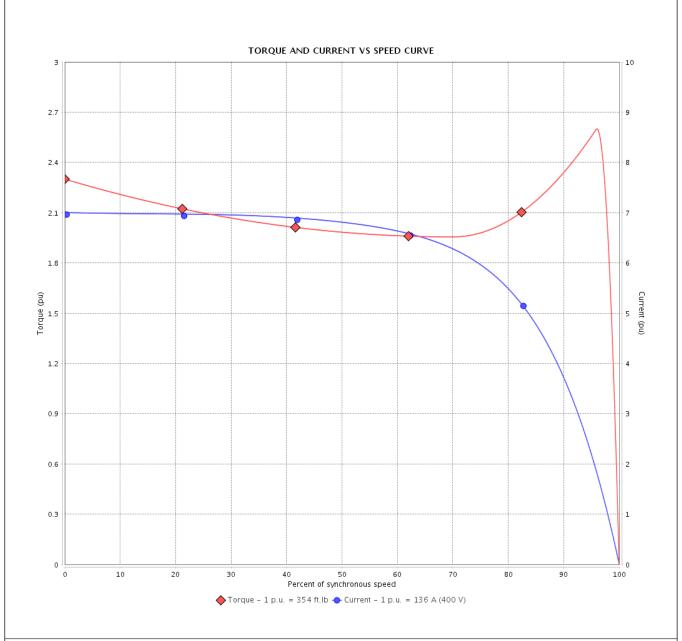
Customer :

Product line : NEMA Premium Efficiency Three-

Phase

Product code: 11356035

Catalog #: 12518ET3G444T-W22



Performance : 400 V 50 Hz 4P IE3 Rated current : 136 A Moment of inertia (J) : 57.2 sq.ft.lb **LRC** : 7.0 Duty cycle : Cont.(S1) Insulation class Rated torque : 354 ft.lb : F Locked rotor torque : 229 % Service factor : 1.00 Breakdown torque : 260 % Temperature rise : 80 K Rated speed : 1480 rpm Design : B

Locked rotor time : 32s (cold) 18s (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: 11356035 Catalog #: 12518ET3G444T-W22 TORQUE AND CURRENT VS SPEED CURVE 2.7 2.1 1.8 Torque (pu) 1.2 0.6 0.3 40 50 Percent of synchronous speed ◆ Torque - 1 p.u. = 353 ft.lb ◆ Current - 1 p.u. = 132 A (415 V) Performance : 415 V 50 Hz 4P IE3 Rated current : 132 A Moment of inertia (J) : 57.2 sq.ft.lb

LRC Rated torque Locked rotor torq Breakdown torqu Rated speed	ue : 24 e : 28	6 53 ft.lb 40 % 30 % 485 rpm		Duty cycle Insulation class Service factor Temperature rise Design		: Cont.(S1) : F : 1.00 : 80 K : B	
Locked rotor time	: 3	2s (cold) 18s (ho	t)				
Rev.		Changes Summ	nary		Performed	Checked	Date
Performed by							<u> </u>
Checked by						Page	Revision
Date	13/04/2022	1				5 / 36	

Three Phase Induction Motor - Squirrel Cage



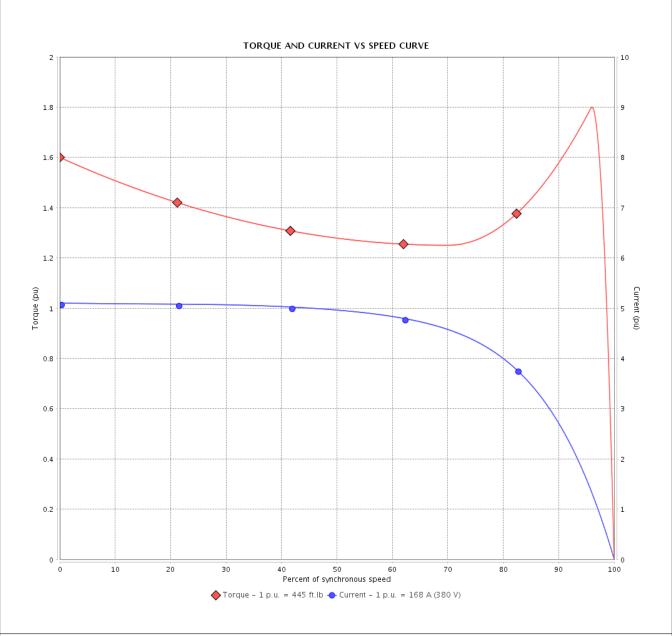
Customer :

Product line : NEMA Premium Efficiency Three-

Phase

Product code: 11356035

Catalog #: 12518ET3G444T-W22



Performance : 380 V 50 Hz 4P IE2 Rated current : 168 A Moment of inertia (J) : 57.2 sq.ft.lb **LRC** : 5.1 Duty cycle : Cont.(S1) Insulation class Rated torque : 445 ft.lb : F Locked rotor torque : 160 % Service factor : 1.00 Breakdown torque : 180 % Temperature rise : 80 K Rated speed : 1475 rpm Design : B

Locked rotor time : 32s (cold) 18s (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: 11356035 Catalog #: 12518ET3G444T-W22 TORQUE AND CURRENT VS SPEED CURVE 2.25 1.75 1.5 (pd) 1.25 0.5 0.25 Percent of synchronous speed 🔷 Torque – 1 p.u. = 444 ft.lb 🔷 Current – 1 p.u. = 160 A (400 V) Performance · 400 V 50 Hz 4P IE2

Performance		: 400 V 50 HZ 4P IE2				
Rated current LRC Rated torque Locked rotor torque Breakdown torque Rated speed		: 160 A : 5.7 : 444 ft.lb : 180 % : 200 % : 1475 rpm	Duty cycle Insulation Service fac	Moment of inertia (J) Duty cycle Insulation class Service factor Temperature rise Design		
Locked rotor time	9	: 32s (cold) 18s (hot)				
Rev.		Changes Summary		Performed	Checked	Date
Performed by						
Checked by					Page	Revision

7/36

13/04/2022

Date

Three Phase Induction Motor - Squirrel Cage



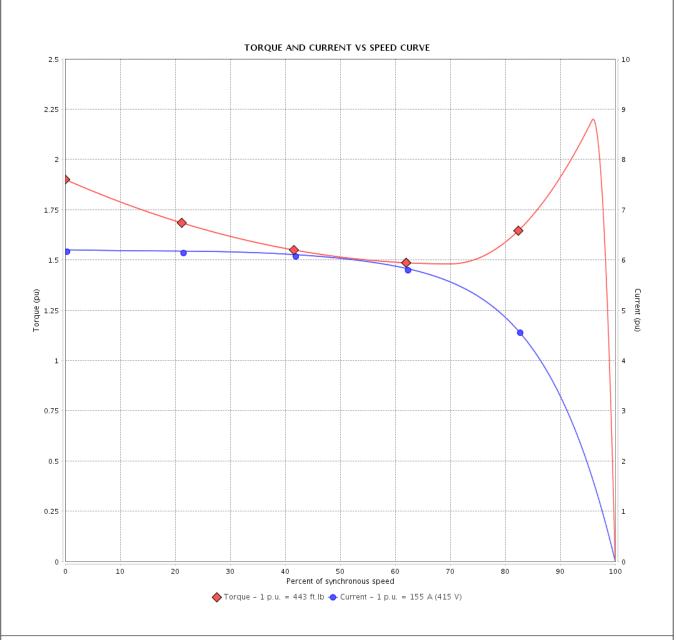
Customer :

Product line : NEMA Premium Efficiency Three-

Phase

Product code: 11356035

Catalog #: 12518ET3G444T-W22



Performance : 415 V 50 Hz 4P IE2 Rated current : 155 A Moment of inertia (J) : 57.2 sq.ft.lb **LRC** : 6.2 Duty cycle : Cont.(S1) : F Insulation class Rated torque : 443 ft.lb Service factor Locked rotor torque : 190 % : 1.00 Breakdown torque : 220 % Temperature rise : 80 K Rated speed : 1480 rpm Design : B

Locked rotor time : 32s (cold) 18s (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

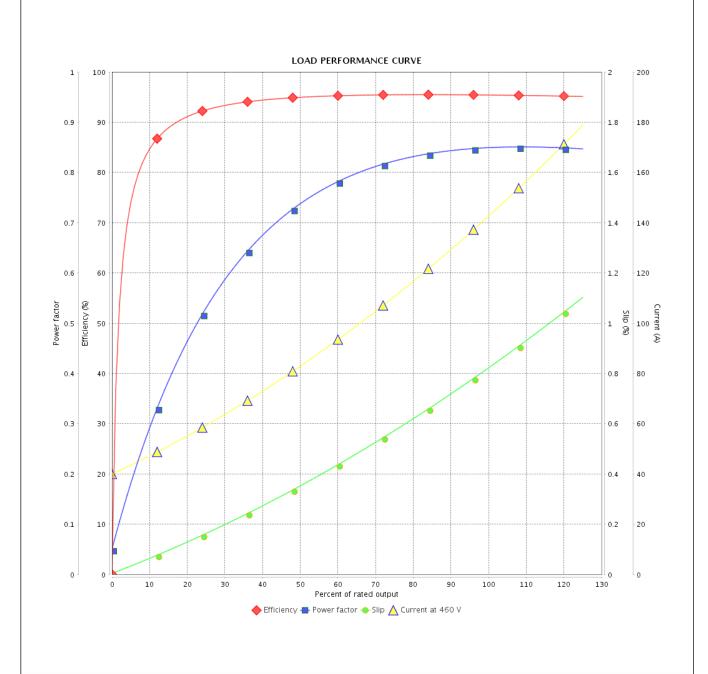


Customer :

Product line : NEMA Premium Efficiency Three- Product code : 11356035

Phase

Catalog #: 12518ET3G444T-W22



Performance	: 4	160 V 60 Hz 4P				
Rated current	: 1	139 A	39 A Moment of		: 57.2 sq.ft.lb	
LRC	: 6	3.5	Duty cycle	e ` ´	: Cont.(S1)	
Rated torque	: 3	368 ft.lb	Insulation	class	: F	
Locked rotor torq	ue : 2	200 %	Service fa	ictor	: 1.15	
Breakdown torqu		229 %	Temperature rise		: 80 K	
Rated speed	: 1	1780 rpm	Design		: B	
Rev.		Changes Summary	/	Performed	Checked	Date
Performed by						
renormed by						
Checked by					Page	Revision
Date	13/04/2022				9 / 36	

Three Phase Induction Motor - Squirrel Cage



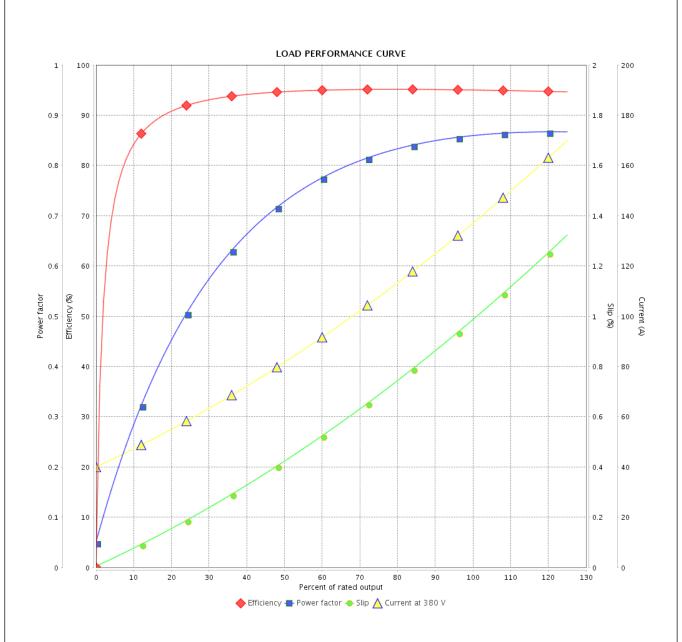
Customer :

Product line : NEMA Premium Efficiency Three- Product line : NEMA Pr

Phase

Product code: 11356035

Catalog #: 12518ET3G444T-W22



Performance	: 380 V 50 Hz 4P IE3				
Rated current	: 139 A	Moment of ine	rtia (J)	: 57.2 sq.ft.lb	
LRC	: 6.4	Duty cycle	. ,	: Cont.(S1)	
Rated torque	: 354 ft.lb	Insulation class	S	: F	
Locked rotor torque				: 1.00	
Breakdown torque	: 229 %	Temperature rise		: 80 K	
Rated speed	: 1480 rpm	Design		: B	
Rev.	Changes Summary	F	Performed	Checked	Date
Performed by					
Checked by				Page	Revision

10/36

13/04/2022

Date

Three Phase Induction Motor - Squirrel Cage

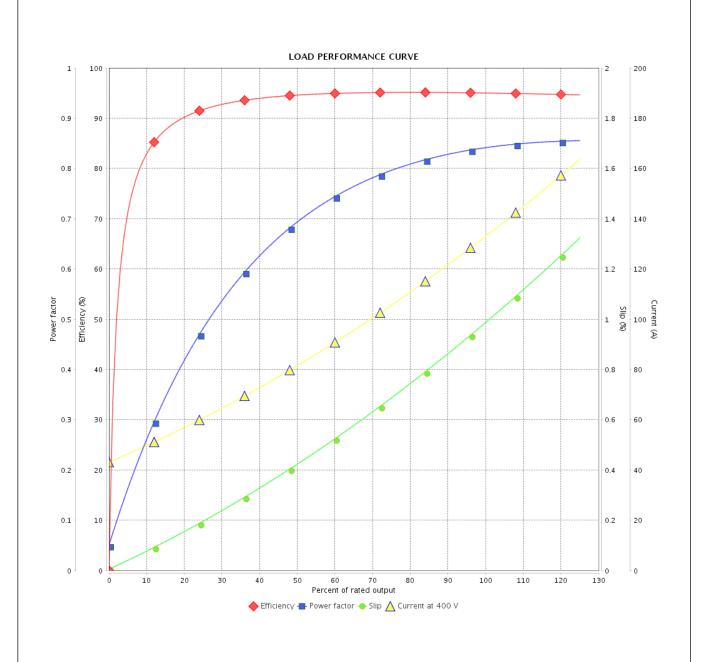


Customer

Product line : NEMA Premium Efficiency Three- Product code : 11356035

Phase

Catalog #: 12518ET3G444T-W22



Performance	: 4	00 V 50 Hz 4P IE3				
Rated current	: 136 A Mome		Moment o	f inertia (J)	: 57.2 sq.ft.lb	
LRC	: 7	.0	Duty cycle)	: Cont.(S1)	
Rated torque	: 3	54 ft.lb	Insulation	class	: F	
Locked rotor torqu	ie : 2	29 %	Service fa	ctor	: 1.00	
Breakdown torque	: 2	60 %	Temperature rise		: 80 K	
Rated speed	: 1	480 rpm	Design		: B	
Rev.		Changes Summa	ry	Performed	Checked	Date
Performed by						
Checked by					Page	Revision
Date	13/04/2022	7			11 / 36	

Three Phase Induction Motor - Squirrel Cage



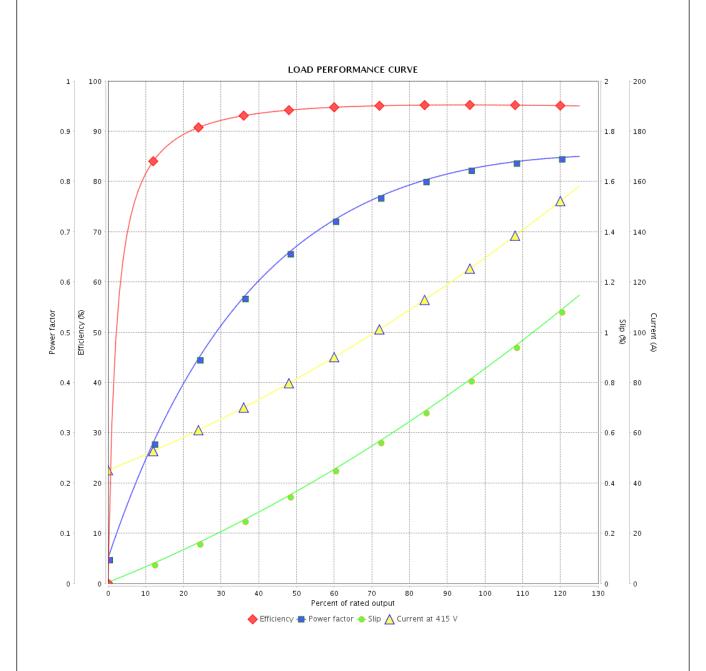
Customer :

Product line : NEMA Premium Efficiency Three- Product code :

Phase

Catalog #: 12518ET3G444T-W22

11356035



Performance : 415 V 50 Hz 4P IE3 : 132 A Rated current Moment of inertia (J) : 57.2 sq.ft.lb **LRC** : 7.6 Duty cycle : Cont.(S1) Insulation class Rated torque : 353 ft.lb : F Locked rotor torque : 240 % Service factor : 1.00 Breakdown torque : 280 % Temperature rise : 80 K Rated speed : 1485 rpm Design : B Rev. Performed Checked Date **Changes Summary**

Three Phase Induction Motor - Squirrel Cage

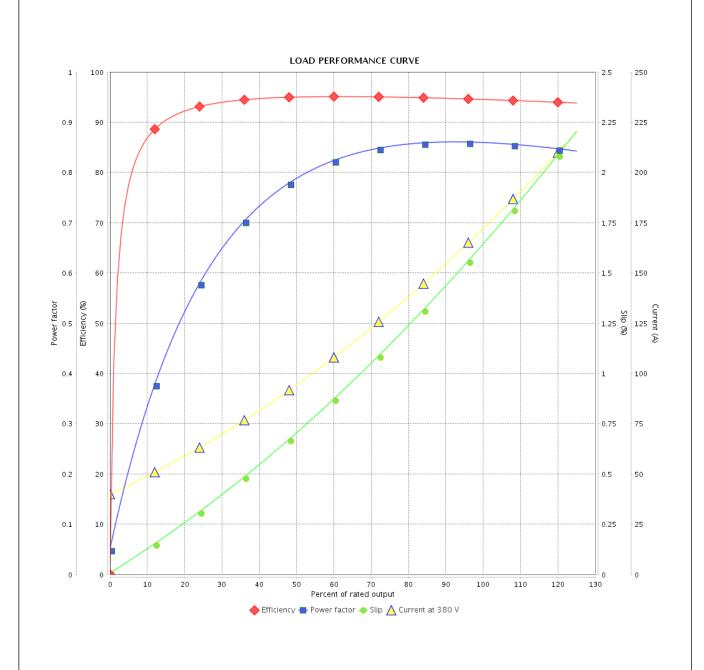


Customer

Product line : NEMA Premium Efficiency Three- Product code : 11356035

Phase

Catalog #: 12518ET3G444T-W22



Performance		: 380 V 50 Hz 4P IE2				
Rated current		: 168 A	Moment o	f inertia (J)	: 57.2 sq.ft.lb	
LRC		: 5.1	Duty cycle	;	: Cont.(S1)	
Rated torque		: 445 ft.lb	Insulation	class	:F	
Locked rotor torque)	: 160 %	Service fa	ctor	: 1.00	
Breakdown torque		: 180 %	Temperati	Temperature rise		
Rated speed		: 1475 rpm	Design		: B	
Rev.		Changes Summary		Performed	Checked	Date
Performed by						
Checked by					Page	Revision
Date	13/04/2022				13 / 36	

Three Phase Induction Motor - Squirrel Cage

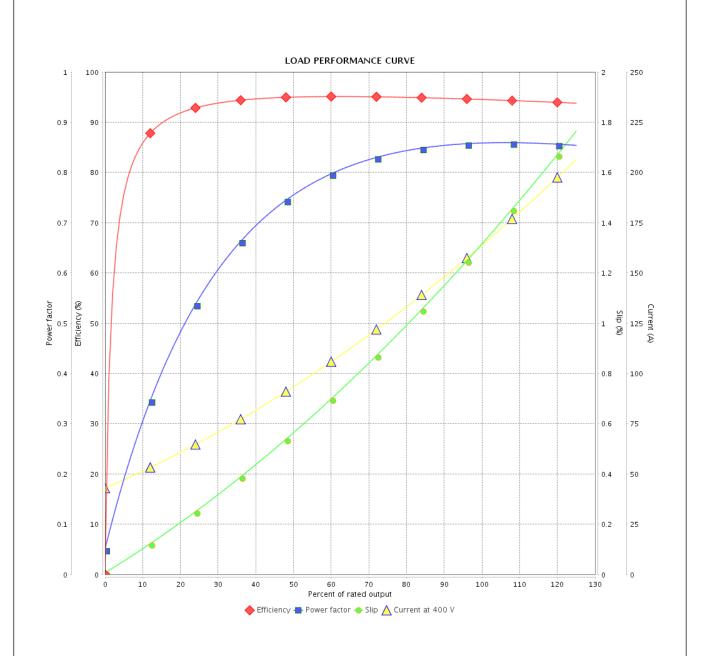


Customer :

Product line : NEMA Premium Efficiency Three- Product code : 11356035

Phase

Catalog #: 12518ET3G444T-W22



Performance	: 400 V 50 Hz 4P IE2			
Rated current LRC Rated torque Locked rotor torque Breakdown torque Rated speed	: 160 A : 5.7 : 444 ft.lb : 180 % : 200 % : 1475 rpm	Moment of inertia (J) Duty cycle Insulation class Service factor Temperature rise Design	: 57.2 sq.ft.lb : Cont.(S1) : F : 1.00 : 80 K : B	
Rev.	Changes Summary	Performed	Checked	Date
Performed by				
Checked by			Page	Revision

14/36

13/04/2022

Date

Three Phase Induction Motor - Squirrel Cage

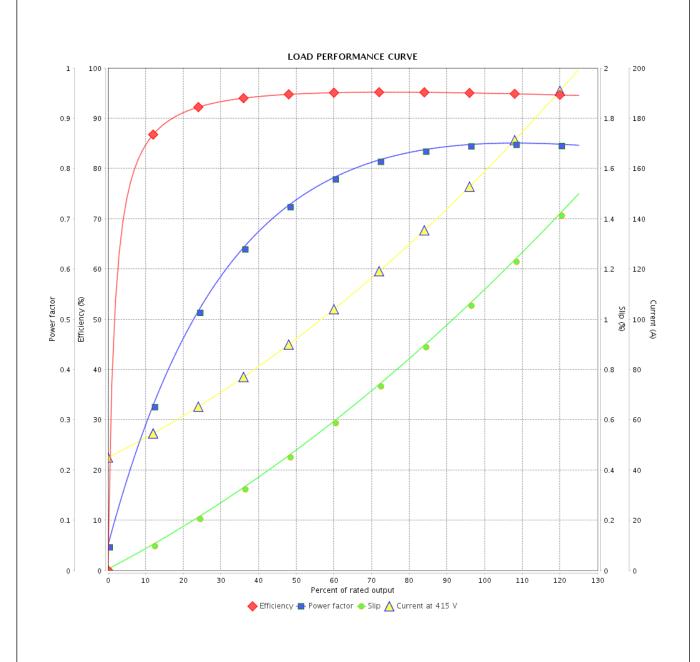


Customer

Product line : NEMA Premium Efficiency Three- Product code : 11356035

Phase

Catalog #: 12518ET3G444T-W22



Performance	: 4	15 V 50 Hz 4P IE2				
Rated current	: 1	: 155 A Moment of inertia		f inertia (J)	: 57.2 sq.ft.lb	
LRC	: 6	5.2	Duty cycle)	: Cont.(S1)	
Rated torque	: 4	43 ft.lb	Insulation	class	: F	
Locked rotor torqu	e :1	90 %	Service fa	ctor	: 1.00	
Breakdown torque		20 %	Temperati	Temperature rise		
Rated speed	: 1	480 rpm	Design		: B	
Rev.		Changes Summa	ry	Performed	Checked	Date
Performed by						
Checked by					Page	Revision
Date	13/04/2022	7			15 / 36	

Three Phase Induction Motor - Squirrel Cage

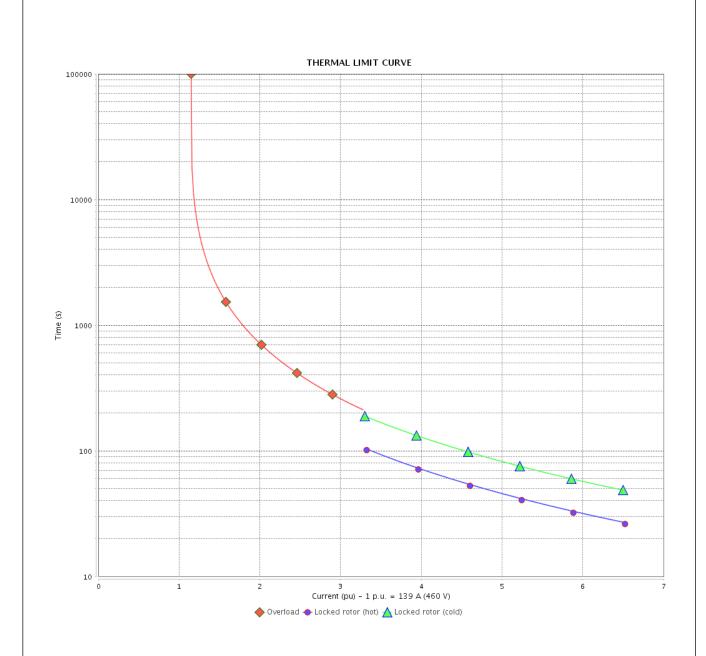


Customer		:				
Product line		: NEMA Premium Efficiency Phase		Product code : Catalog # :	11356035 12518ET3G4	14T-W22
Performance		: 460 V 60 Hz 4P				
Rated current		: 139 A	Moment of	of inertia (J)	: 57.2 sq.ft.lb	
LRC		: 6.5 : 368 ft.lb	Duty cycle Insulation	е	: Cont.(S1)	
Rated torque Locked rotor torc		: 368 π.id : 200 %	Service fa		: F : 1.15	
Breakdown torqu	ie :	: 229 %	Temperat		: 80 K	
Rated speed		: 1780 rpm	Design		: B	
Heating constant Cooling constant						
Rev.	<u> </u>	Changes Summary	1	Performed	Checked	Date
Performed by						
Checked by	13/04/2022				Page 16 / 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	1		17 / 36	

Three Phase Induction Motor - Squirrel Cage

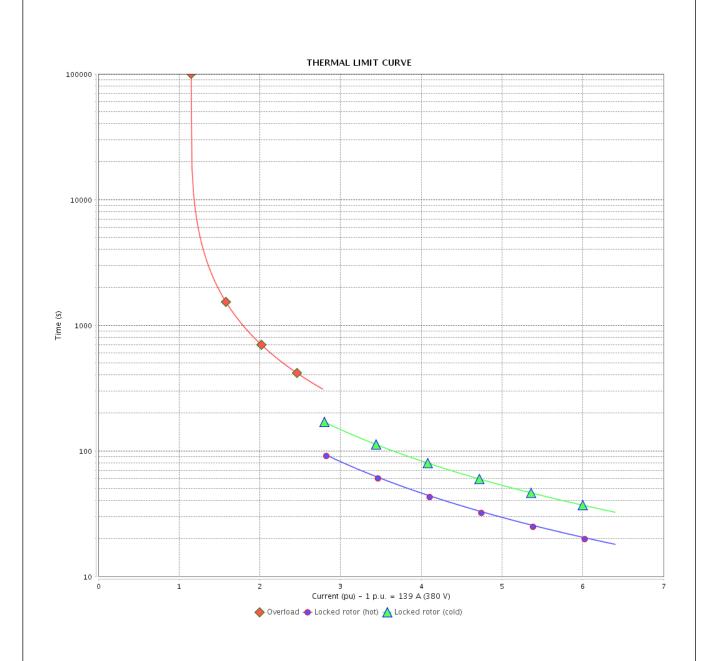


Customer		:				
Product line		: NEMA Premium Efficiency Phase		Product code :	11356035	
				Catalog # :	12518ET3G4	14T-W22
Performance		: 380 V 50 Hz 4P IE3	Г			
Rated current LRC		: 139 A : 6.4	Moment of Duty cycle	of inertia (J)	: 57.2 sq.ft.lb : Cont.(S1)	
Rated torque		: 354 ft.lb	Insulation	class	: F	
Locked rotor tord Breakdown torqu		: 200 % : 229 %	Service fa Temperat		: 1.00 : 80 K	
Rated speed		: 1480 rpm	Design	J. 5 1100	: B	
Heating constan	t					
Cooling constant						
Rev.		Changes Summary		Performed	Checked	Date
Performed by						
Checked by					Page	Revision
Date Date	13/04/2022				18 / 36	1.04101011

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

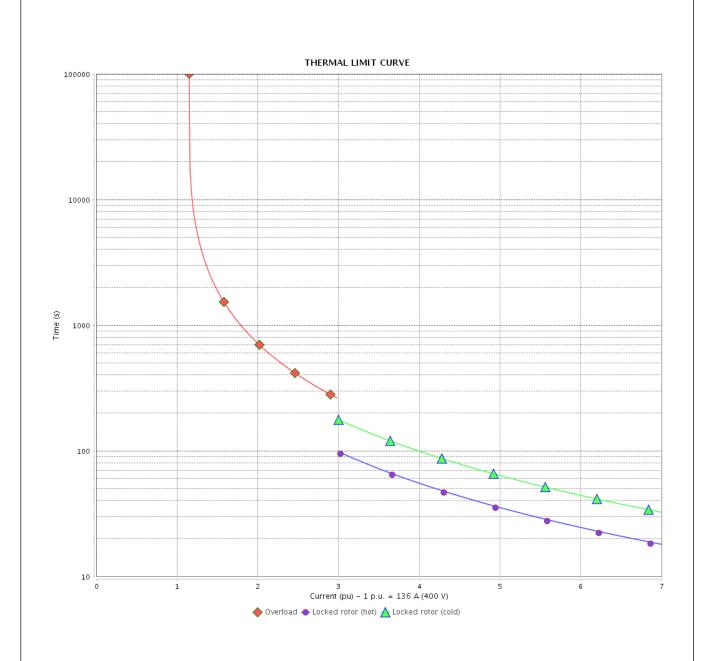


Customer	:					
Product line		NEMA Premium Efficiency	Three-	Product code :	11356035	
	Pl	hase		Catalog # :	12518ET3G44	14T-W22
Performance		00 V 50 Hz 4P IE3				
Rated current LRC	: 13 : 7.	36 A 0	Moment of Duty cycle	f inertia (J)	: 57.2 sq.ft.lb : Cont.(S1)	
Rated torque	: 38	54 ft.lb	Insulation	class	: F	
Locked rotor torque Breakdown torque		29 % 60 %	Service fa Temperatu		: 1.00 : 80 K	
Rated speed		480 rpm	Design		: B	
Heating constant						
Cooling constant		Channa O		Dorf !	Ob!!	D-4-
Rev.		Changes Summary		Performed	Checked	Date
Performed by						
Checked by		-			Page	Revision
D-1	40/04/0000	1			00 (00	

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

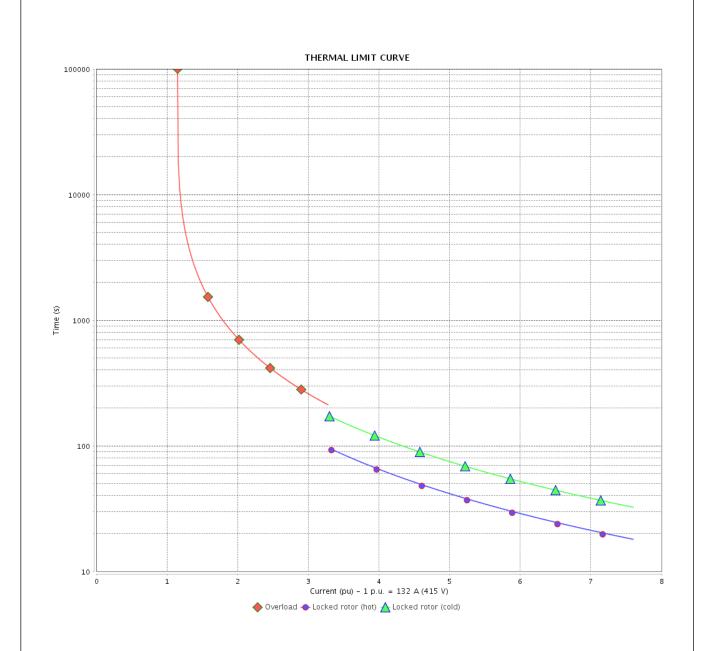


Customer		:				
Product line		: NEMA Premium Efficiency	Three-	Product code :	11356035	
		Phase		Catalog # :	12518ET3G44	14T-W22
Performance		: 415 V 50 Hz 4P IE3				
Rated current		: 132 A	Moment of	of inertia (J)	: 57.2 sq.ft.lb	
LRC		: 7.6	Duty cycle	е	: Cont.(S1)	
Rated torque Locked rotor tord		: 353 ft.lb : 240 %	Insulation Service fa		: F : 1.00	
Breakdown torqu	ue	: 280 %	Temperat		: 80 K	
Rated speed		: 1485 rpm	Design		: B	
Heating constan						
Cooling constant	t	Oh sus sus - O		D- (Oh I I	D :
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

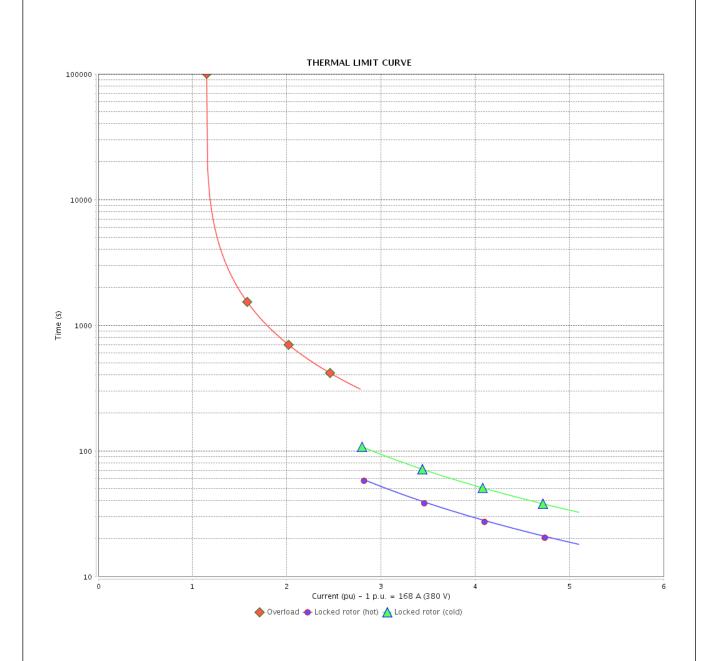


Customer		:				
Product line		: NEMA Premium Efficiency Phase		Product code :	11356035 12518ET3G4	144T-W22
				Catalog # .	12310E1302	441-VVZZ
Performance Rated current LRC Rated torque Locked rotor toro Breakdown torqu Rated speed	: : que : se :	380 V 50 Hz 4P IE2 168 A 5.1 445 ft.lb 160 % 180 % 1475 rpm	Moment o Duty cycle Insulation Service fa Temperatu Design	class ctor	: 57.2 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 Date	13/04/2022				Page 24 / 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			25 / 36	

Three Phase Induction Motor - Squirrel Cage

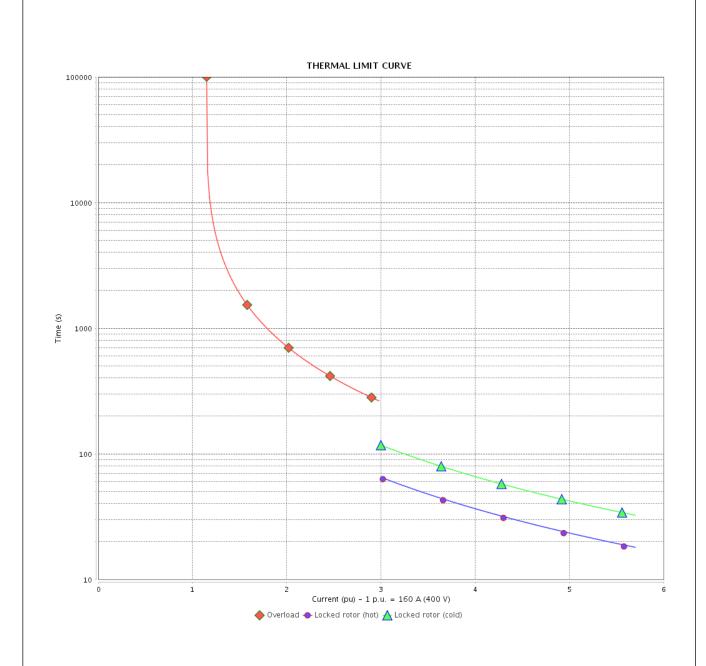


Customer		:				
Product line		: NEMA Premium Efficiency Phase		Product code :	11356035	
				Catalog # :	12518ET3G44	14T-W22
Performance		: 400 V 50 Hz 4P IE2				
Rated current		: 160 A	Moment of	of inertia (J)	: 57.2 sq.ft.lb	
LRC		: 5.7	Duty cycle	е	: Cont.(S1)	
Rated torque Locked rotor tord		: 444 ft.lb : 180 %	Insulation Service fa		: F : 1.00	
Breakdown torqu	ue	: 200 %	Temperat		: 80 K	
Rated speed		: 1475 rpm	Design		: B	
Heating constan						
Cooling constant	t	Changes Comment		Dorformed	Chadrad	Dota
Rev.		Changes Summary		Performed	Checked	Date
Performed by						
Checked by					Page	Revision
	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

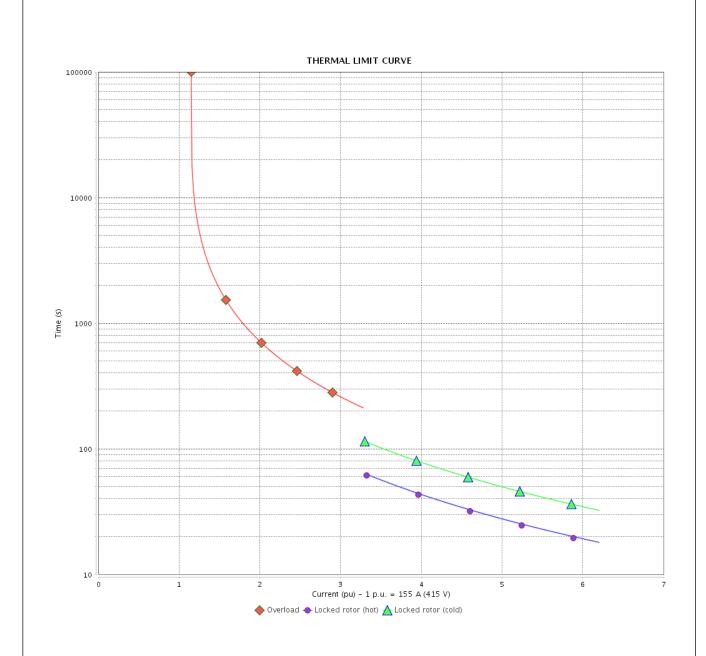


Customer		:			·	
Product line		: NEMA Premium Efficiency `Phase		Product code :	11356035 12518ET3G4	.44T-W22
Performance Rated current LRC Rated torque Locked rotor toro Breakdown torque Rated speed	: : : : : : : : :	415 V 50 Hz 4P IE2 155 A 6.2 443 ft.lb 190 % 220 % 1480 rpm	Moment or Duty cycle Insulation Service fa Temperatu Design	class ctor	: 57.2 sq.ft.lb : Cont.(S1) : F : 1.00 : 80 K : B	
Heating constant Cooling constant Rev.	t	Changes Summary		Performed	Checked	Date
Performed by Checked by Date	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 :

Checked by

Date

13/04/2022

Product line : NEMA Premium Efficiency Three-

Phase

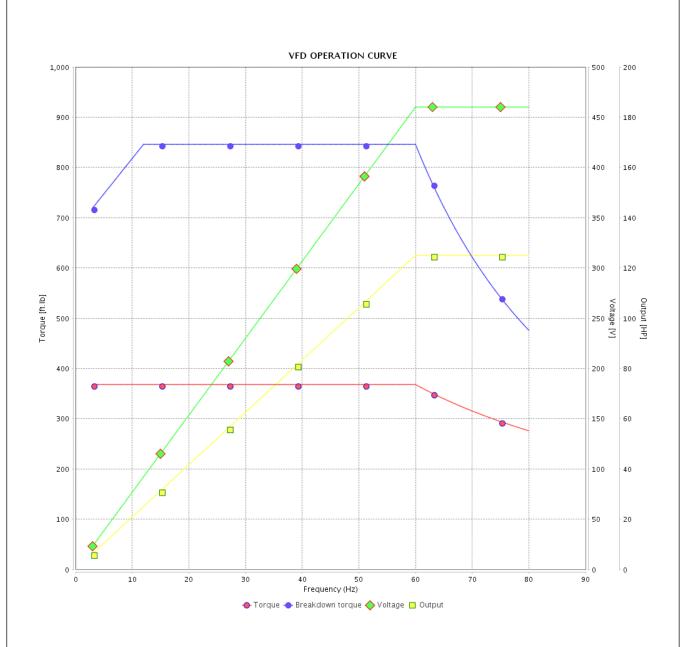
Product code: 11356035

Catalog #: 12518ET3G444T-W22

Page

30 / 36

Revision



Performance : 460 V 60 Hz 4P : 139 A Rated current Moment of inertia (J) : 57.2 sq.ft.lb **LRC** : 6.5 Duty cycle : Cont.(S1) Insulation class Rated torque : 368 ft.lb : F Locked rotor torque : 200 % Service factor : 1.15 Breakdown torque : 229 % Temperature rise : 80 K Rated speed : 1780 rpm Design : B Rev. Performed Checked Date **Changes Summary** Performed by

Three Phase Induction Motor - Squirrel Cage



Customer

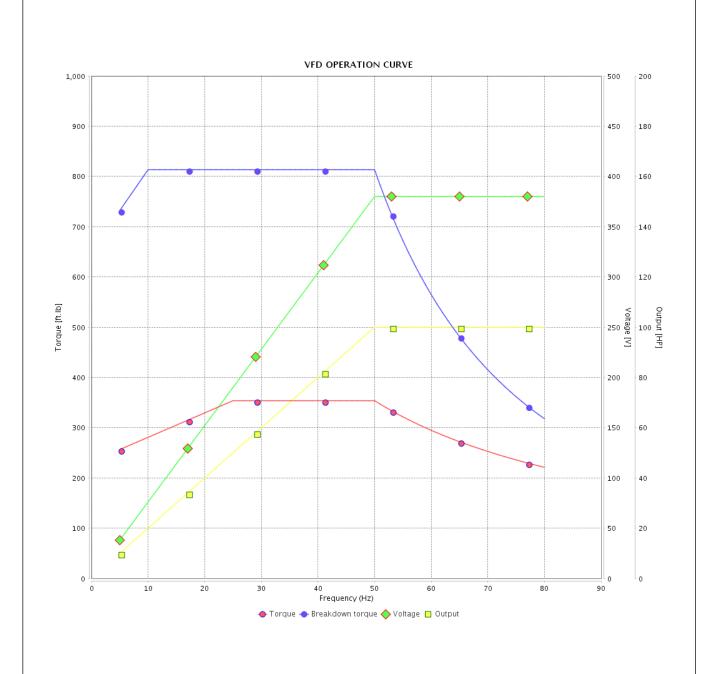
Product line : NEMA Premium Efficiency Three- Product

Phase

Product code: 11356035

Catalog #: 12518ET3G444T-W22

31 / 36



: 380 V 50 Hz 4P IE3	0 Hz 4P IE3			
: 139 A	Moment o	f inertia (J)	: 57.2 sq.ft.lb	
: 6.4	Duty cycle		: Cont.(S1)	
: 354 ft.lb			:F	
: 200 %			: 1.00	
: 229 %			: 80 K	
: 1480 rpm	Design		: B	
Changes Summary		Performed	Checked	Date
			Page	Revision
	: 139 A : 6.4 : 354 ft.lb : 200 % : 229 % : 1480 rpm	: 139 A Moment of E Grant Color Colo	: 139 A : 6.4 : 354 ft.lb : 200 % : 229 % : 1480 rpm Moment of inertia (J) Duty cycle Insulation class Service factor Temperature rise Design	: 139 A

13/04/2022

Date

Three Phase Induction Motor - Squirrel Cage



Customer :

Checked by

Date

13/04/2022

Product line : NEMA Premium Efficiency Three-

Phase

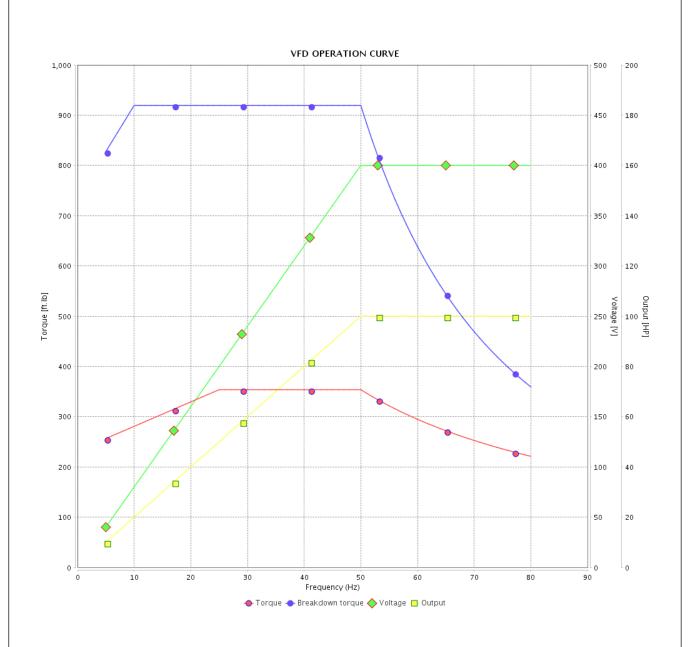
Product code: 11356035

Catalog #: 12518ET3G444T-W22

Page

32 / 36

Revision



Performance		: 400 V 50 Hz 4P II	≣3			
Rated current LRC Rated torque Locked rotor tord Breakdown torqu Rated speed	•	: 136 A : 7.0 : 354 ft.lb : 229 % : 260 % : 1480 rpm	Duty of Insular Service	rion class e factor erature rise	: 57.2 sq.ft.lb : Cont.(S1) : F : 1.00 : 80 K : B	
Rev.		Changes Sumn	nary	Performed	Checked	Date
Performed by						

Three Phase Induction Motor - Squirrel Cage



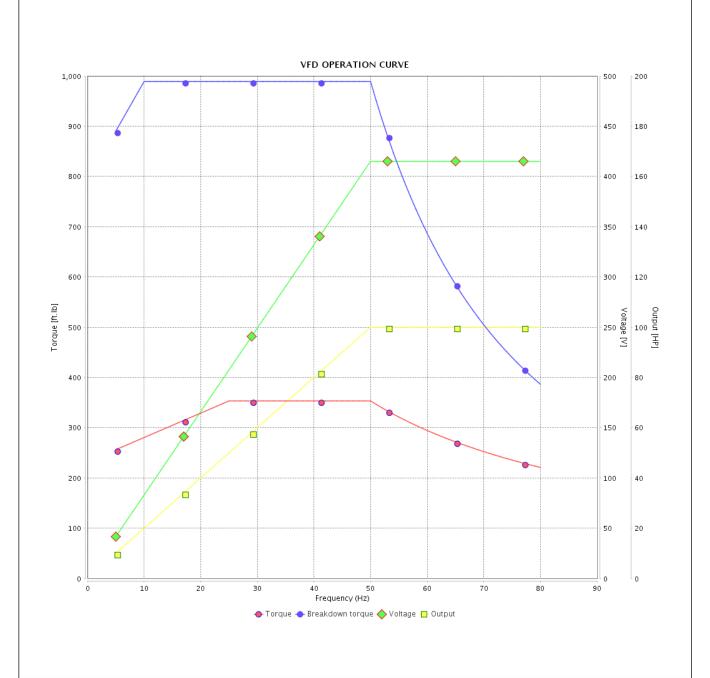
Customer

Product line : NEMA Premium Efficiency Three- Product code :

Phase

Catalog #: 12518ET3G444T-W22

11356035



Danfarmana	. 1	45 \ / 50 LI= 4D IE2				
Performance		15 V 50 Hz 4P IE3	1			
Rated current	:1	32 A	Moment of	Moment of inertia (J)		
LRC	: 7	.6	Duty cycle	•	: Cont.(S1)	
Rated torque	: 3	53 ft.lb	Insulation	class	: F	
Locked rotor torq	ue : 2	40 %	Service fa	ctor	: 1.00	
Breakdown torqu	e : 2	80 %	Temperate	ure rise	: 80 K	
Rated speed	: 1	485 rpm	Design		: B	
Rev.	,	Changes Summary		Performed	Checked	Date
Performed by						
Checked by		1			Page	Revision
Date	13/04/2022	-			33 / 36	

Three Phase Induction Motor - Squirrel Cage

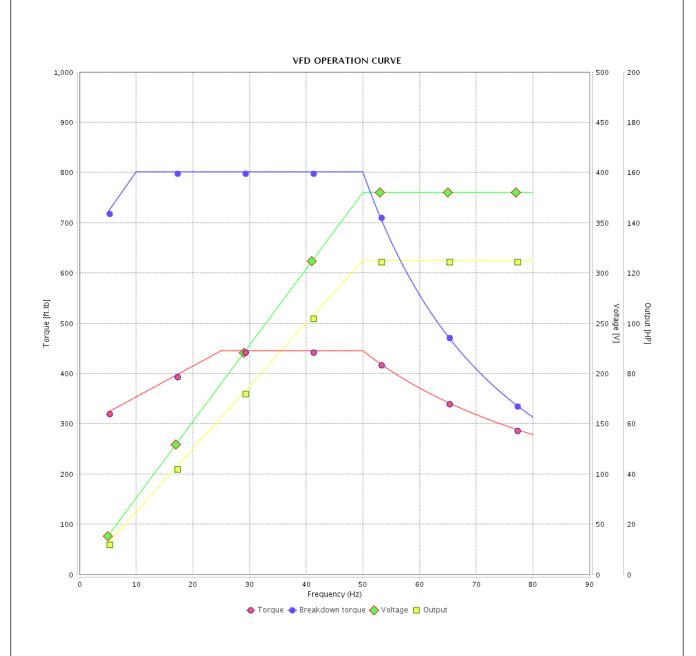


Customer :

Product line : NEMA Premium Efficiency Three- Product code : 11356035

Phase

Catalog #: 12518ET3G444T-W22



Performance	: 380 V 50 Hz 4P IE2				
Rated current LRC Rated torque Locked rotor torque Breakdown torque Rated speed	: 168 A : 5.1 : 445 ft.lb : 160 % : 180 % : 1475 rpm	Moment of Duty cycle Insulation Service fa Temperate Design	class ctor	: 57.2 sq.ft.lb : Cont.(S1) : F : 1.00 : 80 K : B	
Rev.	Changes Summary		Performed	Checked	Date
Performed by					
Checked by				Page	Revision

34 / 36

13/04/2022

Date

Three Phase Induction Motor - Squirrel Cage



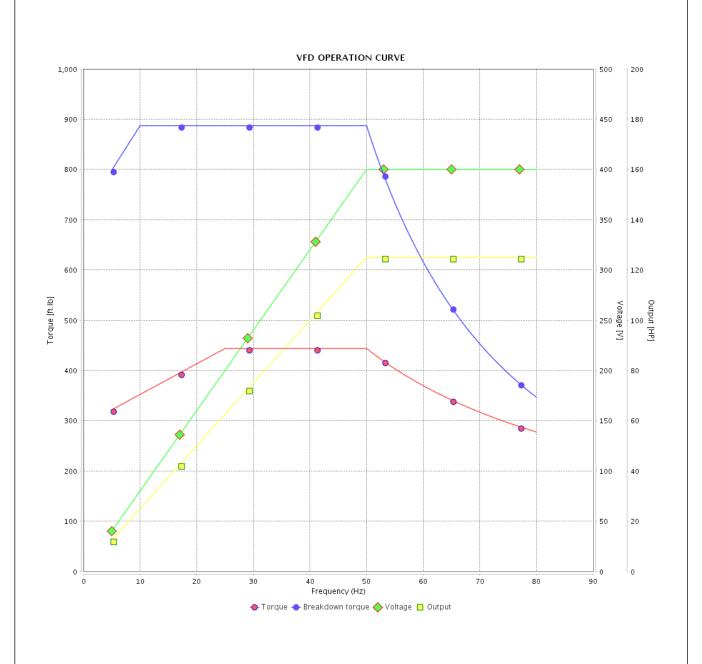
Customer

Product line : NEMA Premium Efficiency Three- Product code :

Phase

Catalog #: 12518ET3G444T-W22

11356035



Performance	: 4	00 V 50 Hz 4P IE2				
Rated current	: 1	60 A	Moment o	f inertia (J)	: 57.2 sq.ft.lb	
LRC	: 5	.7	Duty cycle	;	: Cont.(S1)	
Rated torque	: 4	44 ft.lb	Insulation	class	: F	
Locked rotor torq	ue : 1	80 %	Service fa	ctor	: 1.00	
Breakdown torqu	e : 2	00 %	Temperature rise		: 80 K	
Rated speed	: 1	475 rpm	Design		: B	
Rev.		Changes Summary		Performed	Checked	Date
Performed by						
Checked by					Page	Revision
Date	13/04/2022				35 / 36	

Three Phase Induction Motor - Squirrel Cage



Customer :

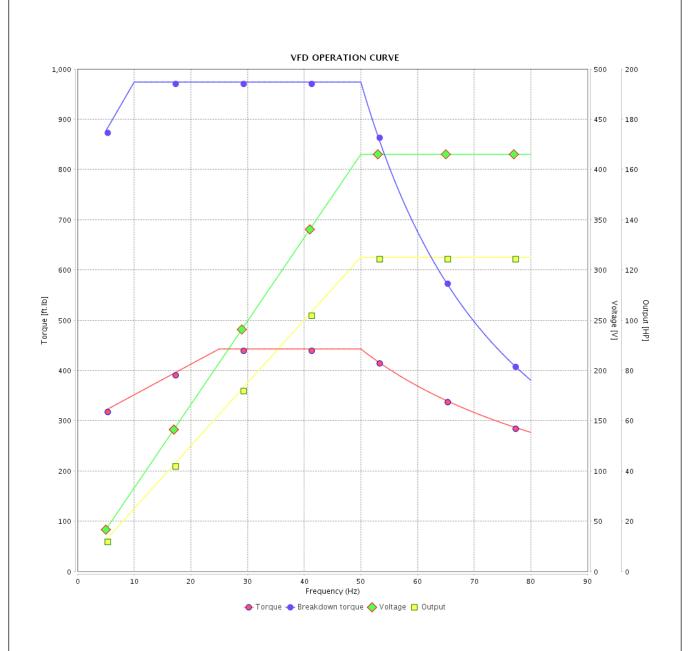
Product line : NEMA Premium Efficiency Three- Product line : NEMA Pr

Phase

Product code: 11356035

Catalog #: 12518ET3G444T-W22

36 / 36



D (445145011 40150				
Performance	: 415 V 50 Hz 4P IE2				
Rated current LRC Rated torque	: 155 A : 6.2 : 443 ft.lb	Moment of inertia (J) Duty cycle Insulation class		: 57.2 sq.ft.lb : Cont.(S1) : F	
Locked rotor torque Breakdown torque Rated speed	: 190 % : 220 % : 1480 rpm	Service factor Temperature rise Design		: 1.00 : 80 K : B	
Rev.	Changes Summary		Performed	Checked	Date
Performed by					
Checked by				Page	Revision

13/04/2022

Date

