DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer

Product line : NEMA Premium Efficiency Three-Product code: 11356111

Catalog #: 15036ET3G445TS-W22

Frame : 444/5TS Cooling method : IC411 - TEFC

Insulation class Mounting : F-1

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

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

: 1000 m.a.s.l. Approx. weight³ : 1750 lb Altitude Protection degree · IP55 Moment of inertia (J) : 39.1 sq.ft.lb

Protection degre	e	: IP55		Momer	nt of inertia (J) : 3	9.1 sq.ft.lb	
Design		: B						
Output [HP]		150	125	125	125	150	150	150
Poles		2	2	2	2	2	2	2
Frequency [Hz]		60	50	50	50	50	50	50
Rated voltage [V]		460	380	400	415	380	400	415
Rated current [A]		163	162	154	148	200	189	182
L. R. Amperes [A]		1060	988	1063	1080	1020	1077	1110
LRC [A]		6.5x(Code G)	6.1x(Code F)	6.9x(Code G)	7.3x(Code G)	5.1x(Code D)	5.7x(Code E)	6.1x(Code F)
No load current [A	.]	41.0	41.0	43.1	45.1	41.0	43.1	45.1
Rated speed [RPN	Л]	3570	2965	2970	2970	2960	2965	2965
Slip [%]		0.83	1.17	1.00	1.00	1.33	1.17	1.17
Rated torque [ft.lb]]	221	221	221	221	266	266	266
Locked rotor torqu		180	170	190	200	140	160	170
Breakdown torque	: [%]	240	229	250	280	190	210	229
Service factor		1.15	1.00	1.00	1.00	1.00	1.00	1.00
Temperature rise		80 K	80 K	80 K	80 K	105 K	105 K	80 K
Locked rotor time		39s (cold)	30s (cold)	30s (cold)	30s (cold)	30s (cold)	30s (cold)	30s (cold)
		22s (hot)	17s (hot)	17s (hot)	17s (hot)	17s (hot)	17s (hot)	17s (hot)
Noise level ²	·	81.0 dB(A)	77.0 dB(A)	77.0 dB(A)	77.0 dB(A)	77.0 dB(A)	77.0 dB(A)	77.0 dB(A)
	25%	94.0	93.0	93.9	93.9	94.3	94.8	94.8
Efficiency (%)	50%	94.1	93.7	94.1	94.1	94.1	94.5	94.5
Lindicitoy (70)	75%	95.0	94.4	94.9	94.9	94.5	95.0	95.0
	100%	95.0	95.0	95.0	95.0	94.1	94.5	94.5
	25%	0.60	0.59	0.56	0.53	0.65	0.62	0.60
Power Factor	50%	0.83	0.81	0.79	0.77	0.86	0.84	0.83
1 OWEI I actor	75%	0.88	0.88	0.88	0.87	0.89	0.89	0.88
	100%	0.89	0.89	0.89	0.89	0.89	0.89	0.89

Drive end Non drive end Foundation loads 6314 C3 Bearing type 6314 C3 Max. traction : 753 lb WSeal Sealing WSeal : 2504 lb Max. compression

Lubrication interval 4000 h 4000 h 27 g Lubricant amount 27 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 / 36	

Three Phase Induction Motor - Squirrel Cage



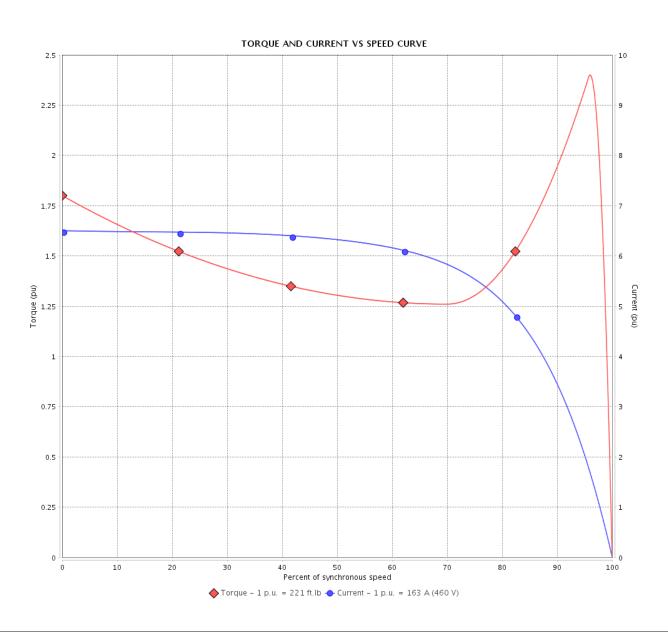
Customer :

Product line : NEMA Premium Efficiency Three-

Phase

Product code: 11356111

Catalog #: 15036ET3G445TS-W22



Performance : 460 V 60 Hz 2P Rated current : 163 A Moment of inertia (J) : 39.1 sq.ft.lb **LRC** : 6.5 Duty cycle : Cont.(S1) : F Insulation class Rated torque : 221 ft.lb Locked rotor torque : 180 % Service factor : 1.15 Breakdown torque : 240 % Temperature rise : 80 K Rated speed : 3570 rpm Design : B

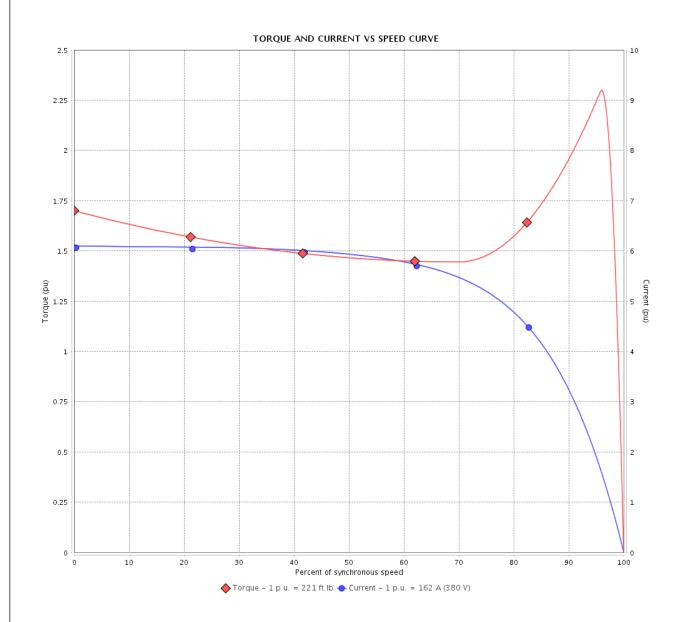
Locked rotor time : 39s (cold) 22s (hot)

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: 11356111 Catalog #: 15036ET3G445TS-W22



Performance	: 380 V 50 Hz 2P IE3			
Rated current	: 162 A	Moment of inertia (J)	: 39.1 sq.ft.lb	
LRC	: 6.1	Duty cycle	: Cont.(S1)	
Rated torque	: 221 ft.lb	Insulation class	:F	
Locked rotor torque	: 170 %	Service factor	: 1.00	
Breakdown torque	: 229 %	Temperature rise	: 80 K	
Rated speed	: 2965 rpm	Design	: B	
Locked rotor time	: 30s (cold) 17s (hot)			

		()			
Rev.		Changes Summary	Performed	Checked	Date
Performed by					
Checked by		-		Page	Revision
Date	13/04/2022			3 / 36	

Three Phase Induction Motor - Squirrel Cage



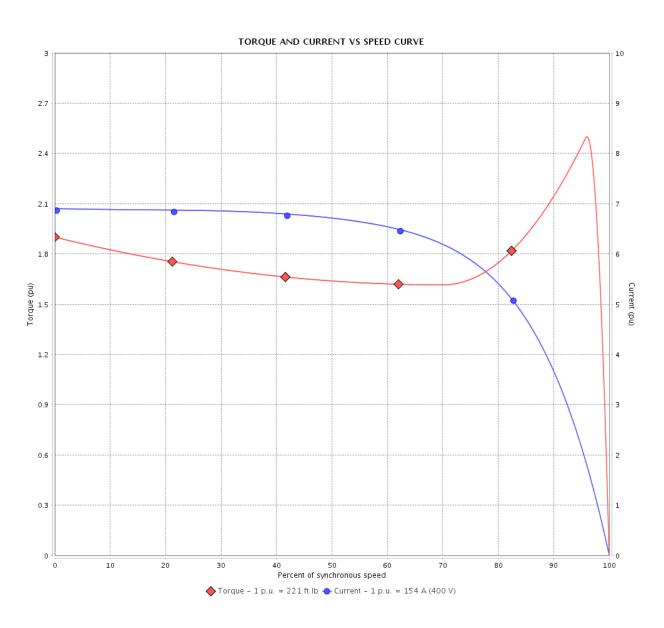
Customer :

Product line : NEMA Premium Efficiency Three- Product

Phase

Product code: 11356111

Catalog #: 15036ET3G445TS-W22



Performance : 400 V 50 Hz 2P IE3 Rated current : 154 A Moment of inertia (J) : 39.1 sq.ft.lb **LRC** : 6.9 Duty cycle : Cont.(S1) Insulation class Rated torque : 221 ft.lb : F Locked rotor torque : 190 % Service factor : 1.00 Breakdown torque : 250 % Temperature rise : 80 K Rated speed : 2970 rpm Design : B

Locked rotor time : 30s (cold) 17s (hot)

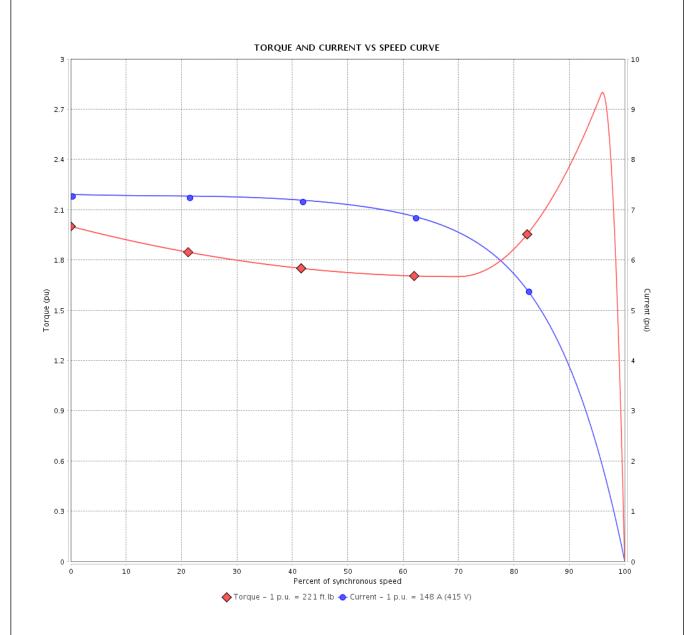
Rev.		Changes Summary	Performed	Checked	Date
Performed by					
Checked by				Page	Revision
Date	13/04/2022			4 / 36	

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : NEMA Premium Efficiency Three-Product code : 11356111
Phase Catalog # : 15036ET3G445TS-W22



Performance : 415 V 50 Hz 2P IE3 Rated current : 148 A Moment of inertia (J) : 39.1 sq.ft.lb **LRC** : 7.3 Duty cycle : Cont.(S1) Insulation class Rated torque : 221 ft.lb : F : 200 % Locked rotor torque Service factor : 1.00 Breakdown torque : 280 % Temperature rise : 80 K Rated speed : 2970 rpm Design : B Locked rotor time : 30s (cold) 17s (hot)

 Rev.
 Changes Summary
 Performed
 Checked
 Date

 Performed by
 Checked by
 Page
 Revision

 Date
 13/04/2022
 5 / 36

Three Phase Induction Motor - Squirrel Cage



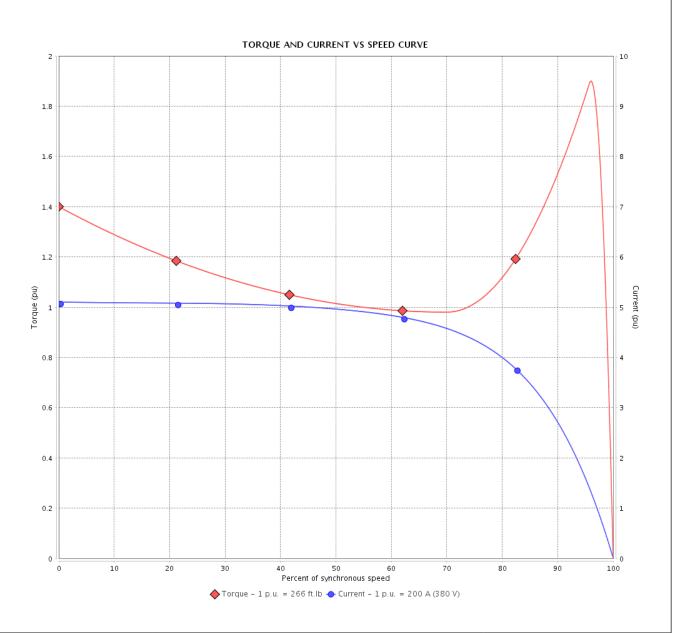
Customer :

Product line : NEMA Premium Efficiency Three-

Phase

Product code: 11356111

Catalog #: 15036ET3G445TS-W22



Performance : 380 V 50 Hz 2P IE1 Rated current : 200 A Moment of inertia (J) : 39.1 sq.ft.lb **LRC** : 5.1 Duty cycle : Cont.(S1) Insulation class Rated torque : 266 ft.lb : F Locked rotor torque : 140 % Service factor : 1.00 Breakdown torque : 190 % Temperature rise : 105 K Rated speed : 2960 rpm Design : B

Locked rotor time : 30s (cold) 17s (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: 11356111 Catalog #: 15036ET3G445TS-W22 TORQUE AND CURRENT VS SPEED CURVE 2.25 1.75 (pd) 1.25 0.5 0.25 40 50 -Percent of synchronous speed 🔷 Torque – 1 p.u. = 266 ft.lb 🔷 Current – 1 p.u. = 189 A (400 V)

Performance	: 400 V 50 Hz 2P IE2			
Rated current	: 189 A	Moment of inertia (J)	: 39.1 sq.ft.lb	
LRC	: 5.7	Duty cycle	: Cont.(S1)	
Rated torque	: 266 ft.lb	Insulation class	: F	
Locked rotor torque	: 160 %	Service factor	: 1.00	
Breakdown torque	: 210 %	Temperature rise	: 105 K	
Rated speed	: 2965 rpm	Design	: B	
Locked rotor time	: 30s (cold) 17s (hot)	,		
Pov	Changes Summary	Performed	Chacked	Data

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

Three Phase Induction Motor - Squirrel Cage

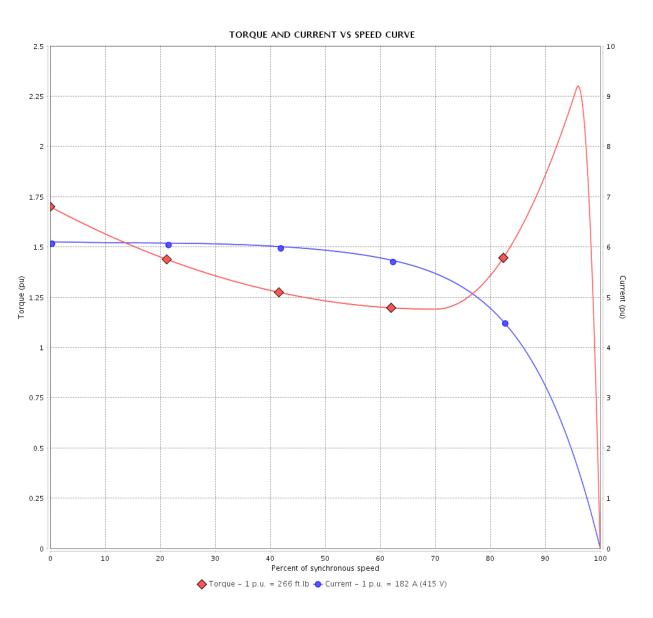


Customer :

Product line : NEMA Premium Efficiency Three- Product code : 11356111

Phase

Catalog #: 15036ET3G445TS-W22



Performance	: 415 V 50 Hz 2P IE2			
Rated current LRC Rated torque Locked rotor torque Breakdown torque Rated speed	: 182 A : 6.1 : 266 ft.lb : 170 % : 229 % : 2965 rpm	Moment of inertia (J) Duty cycle Insulation class Service factor Temperature rise Design	: 39.1 sq.ft.lb : Cont.(S1) : F : 1.00 : 80 K : B	
Locked rotor time	: 30s (cold) 17s (hot)	I		
Pov	Changas Summary	Dorformed	Chooked	Doto

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

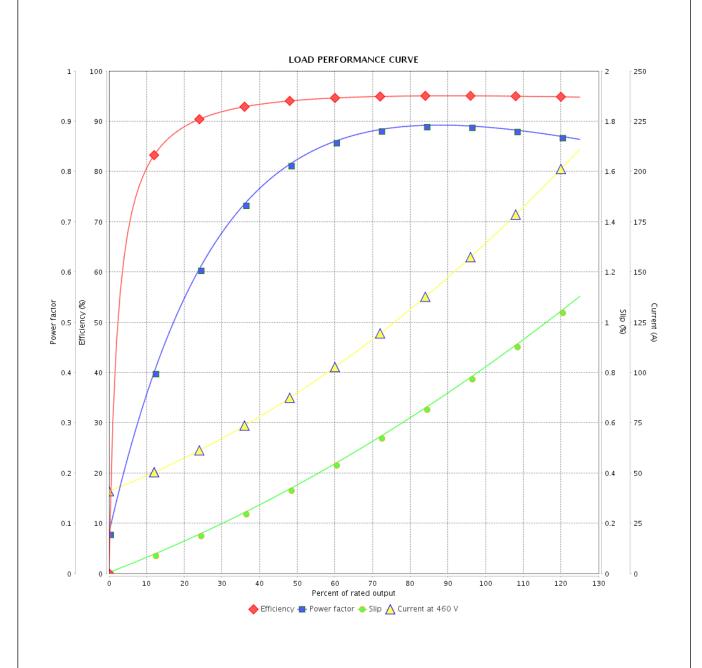
Three Phase Induction Motor - Squirrel Cage



Customer

Product line : NEMA Premium Efficiency Three-Product code: 11356111

Catalog #: 15036ET3G445TS-W22



Performance	: 4	160 V 60 Hz 2P				
Rated current	: 1	63 A	Moment o	f inertia (J)	: 39.1 sq.ft.lb	
LRC	: 6	3.5	Duty cycle	;	: Cont.(S1)	
Rated torque	: 2	221 ft.lb	Insulation	class	: F	
Locked rotor torqu	ie : 1	80 %	Service fa	ctor	: 1.15	
Breakdown torque	: 2	240 %	Temperati	ıre rise	: 80 K	
Rated speed	: 3	3570 rpm	Design		: B	
Rev.		Changes Summar	ry	Performed	Checked	Date
Performed by						
Checked by					Page	Revision
Date	13/04/2022				9 / 36	

Three Phase Induction Motor - Squirrel Cage



Customer :

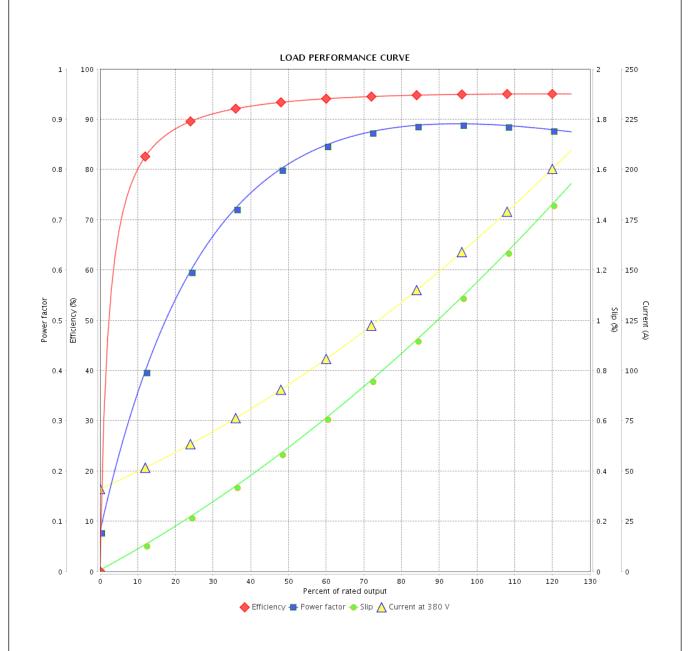
Product line : NEMA Premium Efficiency Three- Product code :

Phase

Catalog #: 15036ET3G445TS-W22

11356111

10/36



Performance	: 380 V 50 Hz 2P IE3				
Rated current LRC Rated torque Locked rotor torque Breakdown torque Rated speed	: 162 A : 6.1 : 221 ft.lb : 170 % : 229 % : 2965 rpm	Moment of Duty cycle Insulation Service fa Temperate Design	class ctor	: 39.1 sq.ft.lb : Cont.(S1) : F : 1.00 : 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

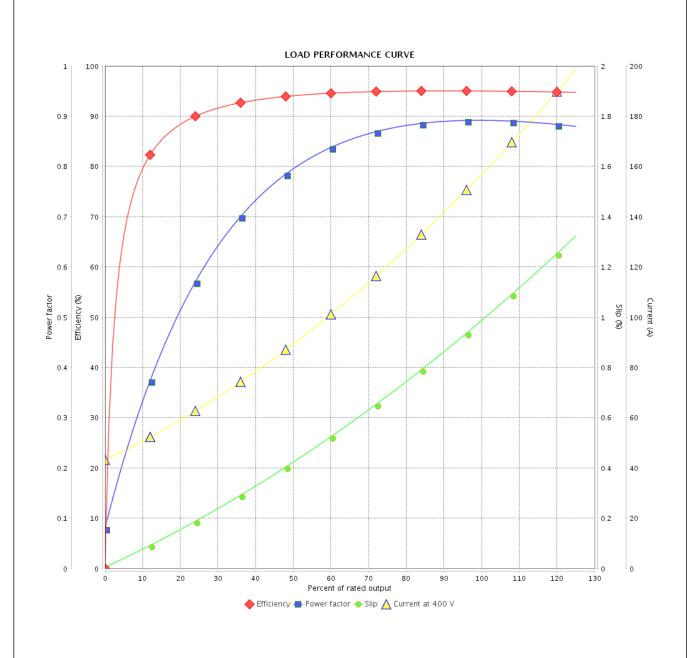


Customer

Product line : NEMA Premium Efficiency Three- Product code : 11356111

Phase

Catalog #: 15036ET3G445TS-W22



Performance	Performance : 400 V 50 Hz 2P IE3					
Rated current	ated current : 154 A		Moment o	Moment of inertia (J)		
LRC	: 6	.9	Duty cycle)	: Cont.(S1)	
Rated torque	Rated torque : 221 ft.lb		Insulation	class	: F	
Locked rotor torqu	ocked rotor torque : 190 %		Service fa	ctor	: 1.00	
Breakdown torque	: 2	50 %	Temperati	Temperature rise		
Rated speed	: 2	970 rpm Design			: B	
Rev.		Changes Summary	<u>'</u>	Performed	Checked	Date
Performed by						
Checked by		1			Page	Revision
Date	13/04/2022	1			11 / 36	

Three Phase Induction Motor - Squirrel Cage



Revision

Page

12/36

Customer :

Checked by

Date

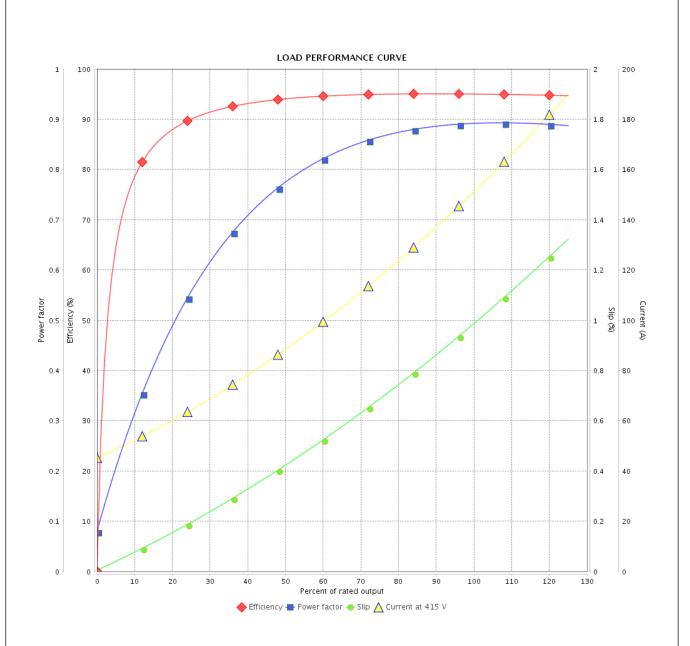
13/04/2022

Product line : NEMA Premium Efficiency Three- Product code :

Phase

Catalog #: 15036ET3G445TS-W22

11356111



Performance : 415 V 50 Hz 2P IE3 : 148 A Rated current Moment of inertia (J) : 39.1 sq.ft.lb **LRC** : 7.3 Duty cycle : Cont.(S1) Insulation class Rated torque : 221 ft.lb : F Locked rotor torque : 200 % Service factor : 1.00 Breakdown torque : 280 % Temperature rise : 80 K Rated speed : 2970 rpm Design : B Rev. Performed Checked Date **Changes Summary** Performed by

Three Phase Induction Motor - Squirrel Cage

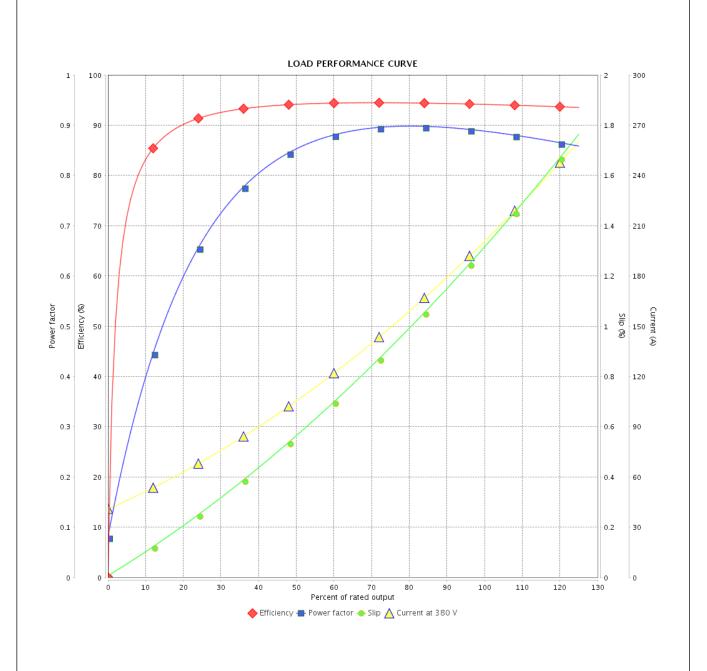


Customer

Product line : NEMA Premium Efficiency Three- Product code : 11356111

Phase

Catalog #: 15036ET3G445TS-W22



Performance	: 3	: 380 V 50 Hz 2P IE1				
Rated current	ated current : 200 A		Moment o	f inertia (J)	: 39.1 sq.ft.lb	
LRC	: 5	5.1	Duty cycle	:	: Cont.(S1)	
Rated torque		66 ft.lb	Insulation	class	: F	
Locked rotor torque	e :1	40 %	Service fa	ctor	: 1.00	
Breakdown torque	: 1	90 %	Temperati	Temperature rise		
Rated speed	: 2	: 2960 rpm			: B	
Rev.		Changes Summary		Performed	Checked	Date
Performed by						
Checked by					Page	Revision
Date	13/04/2022	7			13 / 36	

Three Phase Induction Motor - Squirrel Cage



Customer :

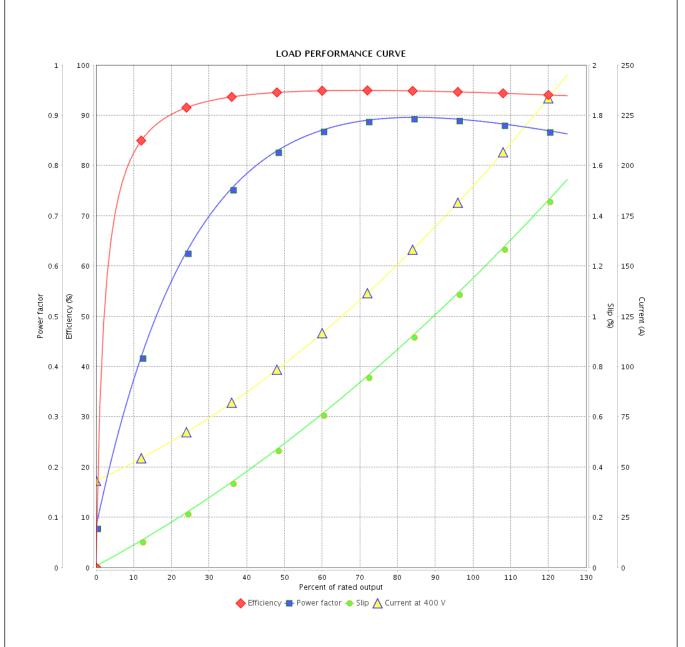
Product line : NEMA Premium Efficiency Three- Product line : NEMA Pr

Phase

Product code: 11356111

Catalog #: 15036ET3G445TS-W22

14/36



Performance	: 400 V 50 Hz 2P IE2				
Rated current LRC Rated torque	: 189 A : 5.7 : 266 ft.lb	Moment of inertia (J) Duty cycle Insulation class		: 39.1 sq.ft.lb : Cont.(S1) : F	
Locked rotor torque Breakdown torque Rated speed	: 160 % : 210 % : 2965 rpm	Service factor Temperature rise Design		: 1.00 : 105 K : B	
Rev.	Changes Summary		Performed	Checked	Date
Performed by					
Checked by				Page	Revision

13/04/2022

Date

Three Phase Induction Motor - Squirrel Cage

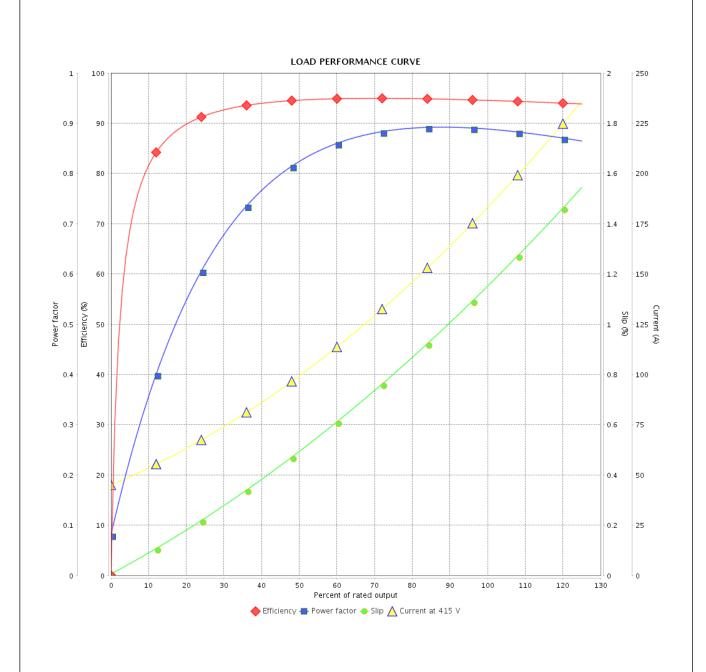


Customer

Product line : NEMA Premium Efficiency Three- Product code : 11356111

Phase

Catalog #: 15036ET3G445TS-W22



Performance	: 4	: 415 V 50 Hz 2P IE2				
Rated current	d current : 182 A M		Moment of	f inertia (J)	: 39.1 sq.ft.lb	
LRC	: 6	.1	Duty cycle		: Cont.(S1)	
Rated torque	: 20	66 ft.lb	Insulation	Insulation class		
Locked rotor torqu	ie : 1	70 %	Service factor		: 1.00	
Breakdown torque : 22		29 %	Temperat	Temperature rise		
Rated speed	: 29	965 rpm	Design		: B	
Rev.		Changes Summary	/	Performed	Checked	Date
Performed by						
		_				
Checked by					Page	Revision
Date	13/04/2022				15 / 36	

Three Phase Induction Motor - Squirrel Cage

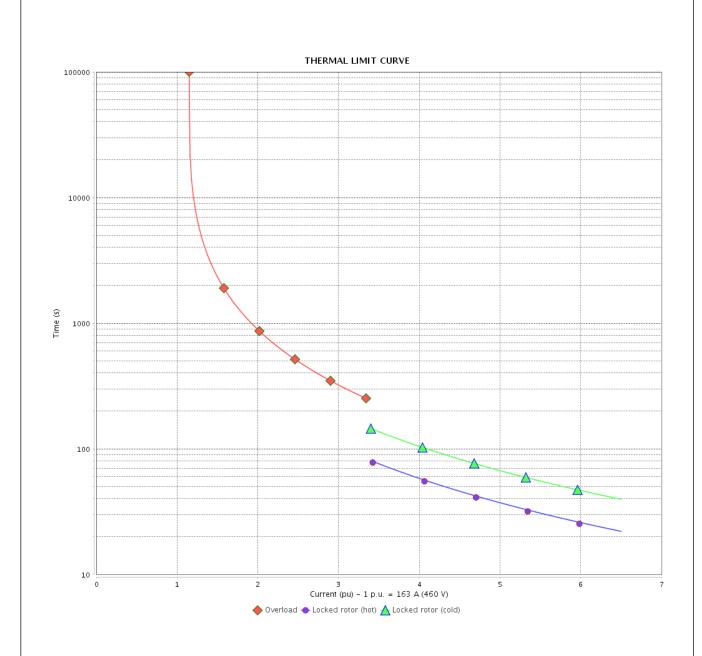


Customer	:				_	
Product line		NEMA Premium Efficiend hase		Product code :	11356111 15036ET3G4	45TS-W22
Performance Rated current LRC Rated torque Locked rotor torque Breakdown torque Rated speed	: 16 : 6. : 22 : 18 : 2 ²	60 V 60 Hz 2P 63 A 5 21 ft.lb 30 % 40 % 570 rpm	Moment o Duty cycle Insulation Service fa Temperatu Design	class ctor	: 39.1 sq.ft.lb : Cont.(S1) : F : 1.15 : 80 K : B	
Heating constant Cooling constant Rev.		Changes Summary		Performed	Checked	Date
Performed by Checked by	40/04/0222				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			17 / 36	

Three Phase Induction Motor - Squirrel Cage

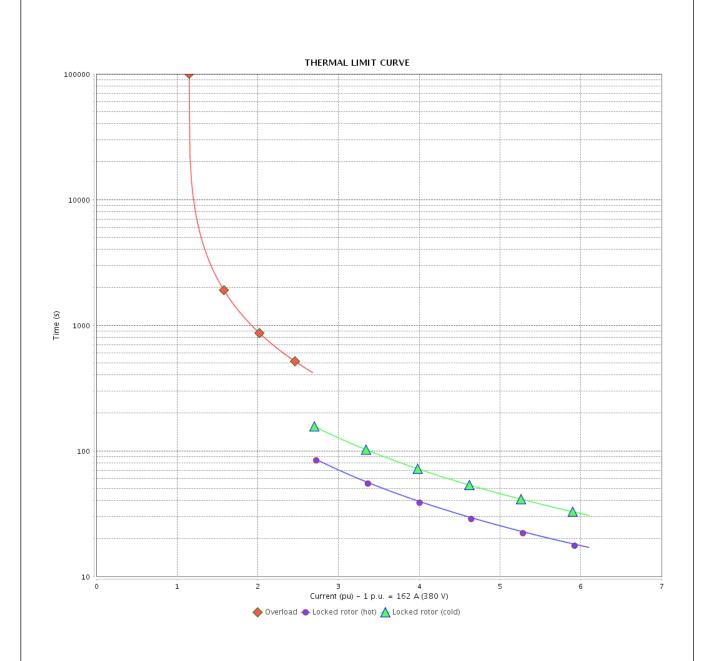


Customer		:				
Product line		: NEMA Premium Efficiency Phase		Product code : Catalog # :	11356111 15036ET3G44	45TS-W22
Performance		: 380 V 50 Hz 2P IE3		<u> </u>		
Rated current LRC		: 162 A : 6.1	Duty cycle		: 39.1 sq.ft.lb : Cont.(S1)	
Rated torque Locked rotor tord		: 221 ft.lb : 170 %	Insulation Service fa		: F : 1.00	
Breakdown torqu		: 229 %	Temperat		: 80 K	
Rated speed		: 2965 rpm	Design		: B	
Heating constan						
Cooling constant	t	Changes Summan		Performed	Checked	Doto
Kev.		Changes Summary		renomea	Checked	Date
Performed by						
Checked by					Page	Revision
Date	13/04/2022				18 / 36	

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

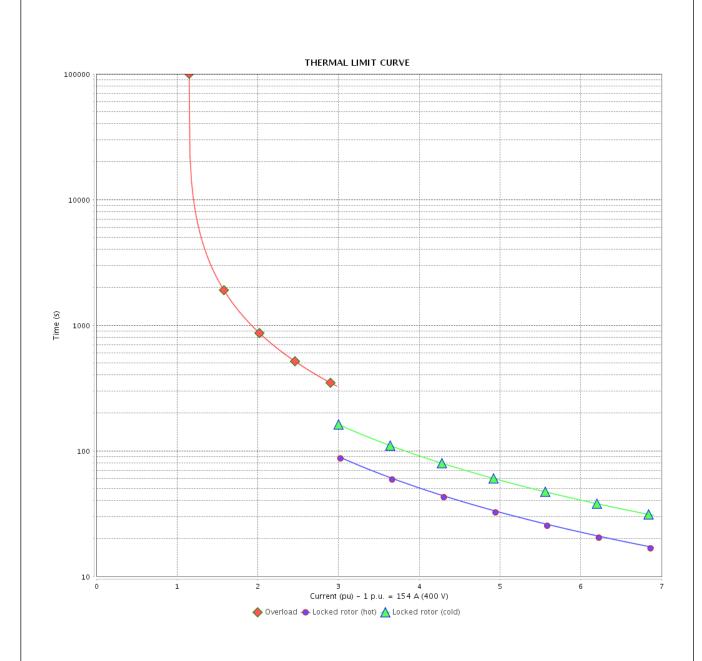


Customor					
Customer	:				
Product line	: NEMA Premium Efficiency ⁻ Phase	Three- I	Product code :	11356111	
	Tidoc	(Catalog # :	15036ET3G44	45TS-W22
	: 400 V 50 Hz 2P IE3				
LRC	: 154 A : 6.9 : 221 ft.lb	Moment of Duty cycle Insulation		: 39.1 sq.ft.lb : Cont.(S1) : F	
	: 190 %	Service fa		: 1.00	
Breakdown torque	: 250 % : 2970 rpm	Temperatu Design		: 80 K : B	
Heating constant					
Cooling constant	Changes Commercial	Г	Dorform	Chasks -	Data
Rev.	Changes Summary		Performed	Checked	Date
Doutous ad by					
Performed by	_			5	5
Checked by	_			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

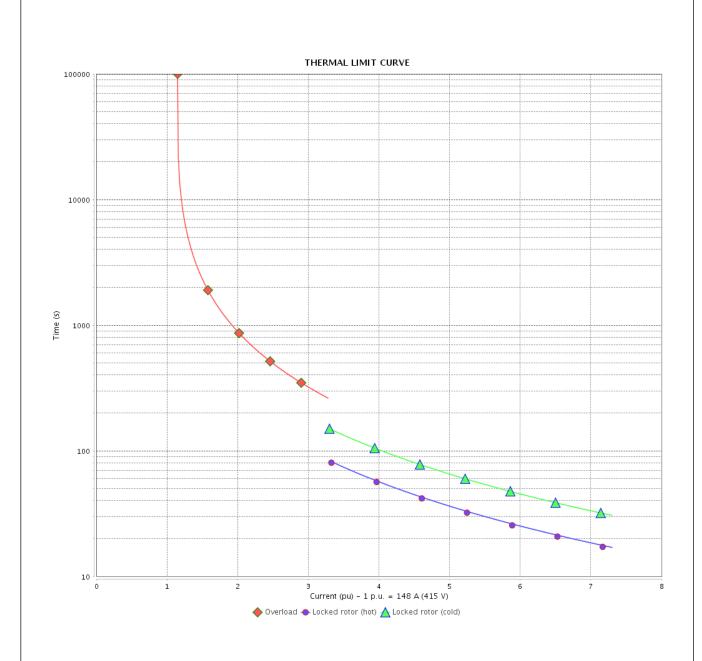


Customer		:			·	
Product line		: NEMA Premium Efficiency ⁻ Phase		Product code :	11356111 15036FT3G44	15TS-W22
				Catalog # :	15036ET3G44	15TS-W22
Performance		415 V 50 Hz 2P IE3				
Rated current LRC Rated torque Locked rotor tord Breakdown torqu Rated speed	: : ue : e :	148 A 7.3 221 ft.lb 200 % 280 % 2970 rpm	Moment or Duty cycle Insulation Service far Temperatu Design	class ctor	: 39.1 sq.ft.lb : Cont.(S1) : F : 1.00 : 80 K : B	
Heating constant			ï			
Rev.		Changes Summary		Performed	Checked	Date
Performed by					_	
Checked by Date	13/04/2022				Page 22 / 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			23 / 36	

Three Phase Induction Motor - Squirrel Cage

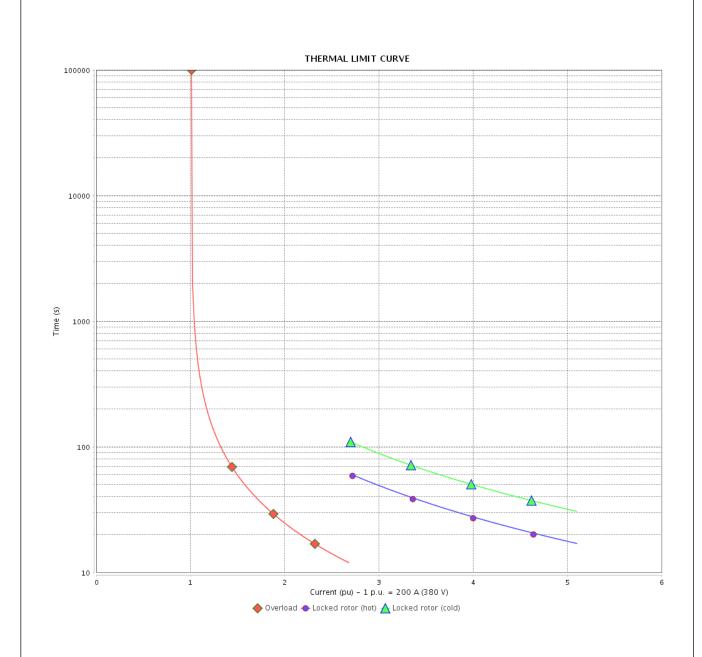


Customer	:				
Product line	: NEMA Premium Efficie Phase		Product code :	11356111 15036ET3G4	45TS-W22
Performance Rated current LRC Rated torque Locked rotor torque Breakdown torque Rated speed	: 380 V 50 Hz 2P IE1 : 200 A : 5.1 : 266 ft.lb : 140 % : 190 % : 2960 rpm	Moment of Duty cycle Insulation Service far Temperature Design	class ctor	: 39.1 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	0.04/0000		<u> </u>	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

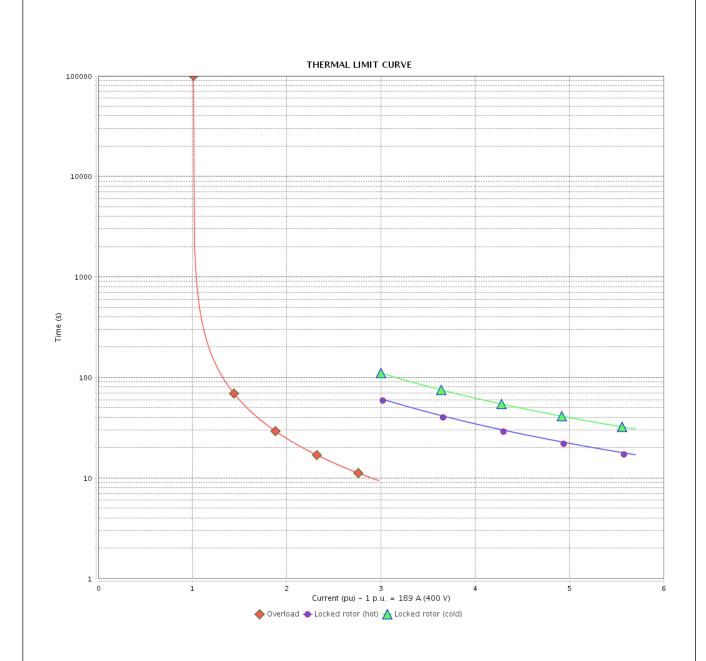


Customer	:					
Product line		NEMA Premium Efficiency nase		Product code :	11356111 15036ET3G4	45TS-W22
Performance Rated current LRC Rated torque Locked rotor torque Breakdown torque Rated speed	: 18 : 5. : 26 : 16 : 21	00 V 50 Hz 2P IE2 89 A 7 66 ft.lb 60 % 10 %	Moment o Duty cycle Insulation Service fa Temperatu Design	class ctor	: 39.1 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	10/04/0222				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			27 / 36	

Three Phase Induction Motor - Squirrel Cage

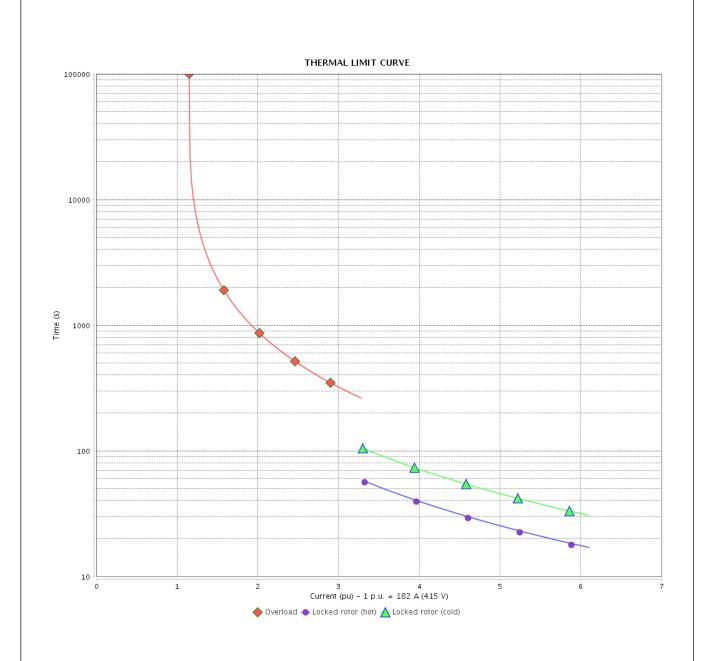


Customer		:				
Product line		: NEMA Premium Efficiency Phase		Product code : Catalog # :	11356111 15036ET3G44	45TS-W22
Performance		: 415 V 50 Hz 2P IE2				
Rated current LRC		: 182 A : 6.1	Moment of Duty cycle	of inertia (J) e	: 39.1 sq.ft.lb : Cont.(S1)	
Rated torque		: 266 ft.lb	Insulation	class	: F	
Locked rotor tord Breakdown torqu		: 170 % : 229 %	Service fa Temperat		: 1.00 : 80 K	
Rated speed		: 2965 rpm	Design		: B	
Heating constan						
Cooling constan	t	Oharana O		D. (Ob. 1	
Rev.		Changes Summary		Performed	Checked	Date
Performed by						
Checked by					Page	Revision
Date	13/04/2022				28 / 36	

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 :

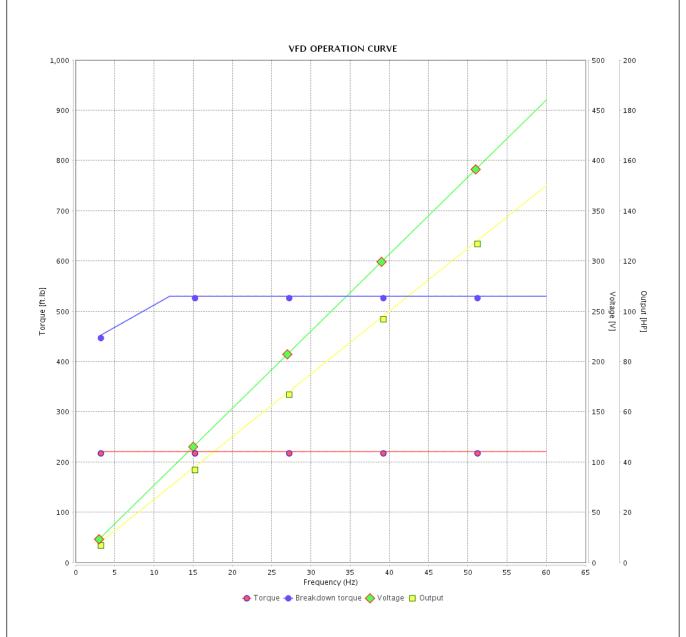
Product line : NEMA Premium Efficiency Three- Product co

Phase

Product code: 11356111

Catalog #: 15036ET3G445TS-W22

30 / 36



Performance	: 460 V 60 Hz 2P				
Rated current	: 163 A	163 A Moment of inertia (: 39.1 sq.ft.lb	
LRC	: 6.5	Duty cycle	•	: Cont.(S1)	
Rated torque : 221 ft.lb Insulation class		class	: F		
Locked rotor torque	: 180 %	Service factor Temperature rise		: 1.15 : 80 K	
Breakdown torque	: 240 %				
Rated speed	: 3570 rpm	Design		: B	
Rev.	Changes Summary		Performed	Checked	Date
Performed by					
Checked by				Page	Revision

13/04/2022

Date

Three Phase Induction Motor - Squirrel Cage

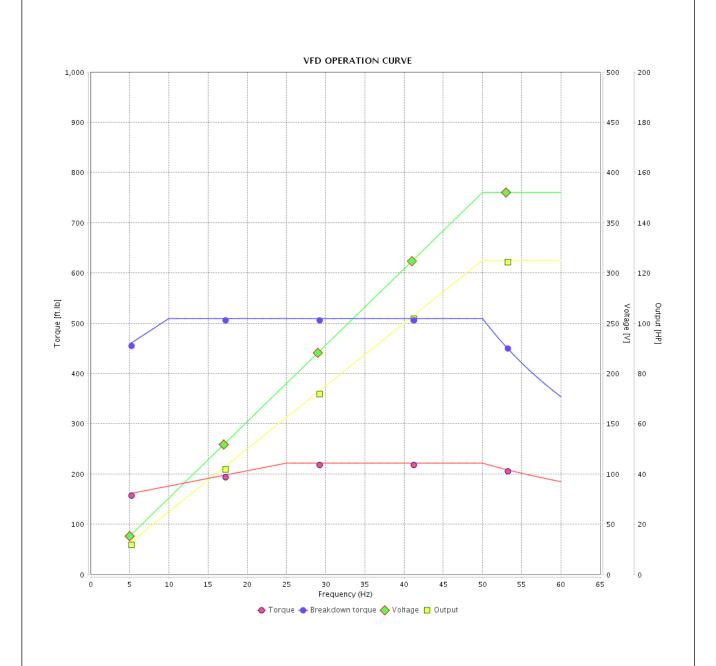


Customer

Product line : NEMA Premium Efficiency Three- Product code : 11356111

Phase

Catalog #: 15036ET3G445TS-W22



Performance	: 3	880 V 50 Hz 2P IE3				
Rated current	: 1	: 162 A Moment		f inertia (J)	: 39.1 sq.ft.lb	
LRC	: 6	3.1	Duty cycle)	: Cont.(S1)	
Rated torque	: 2	221 ft.lb	Insulation	class	: F	
Locked rotor torqu	e :1	170 %	Service fa	ctor	: 1.00	
Breakdown torque	: 2	229 %	Temperati	ıre rise	: 80 K	
Rated speed	: 2	2965 rpm	Design		: B	
Rev.		Changes Summar	у	Performed	Checked	Date
Performed by						
Checked by					Page	Revision
Date	13/04/2022				31 / 36	

Three Phase Induction Motor - Squirrel Cage



Customer :

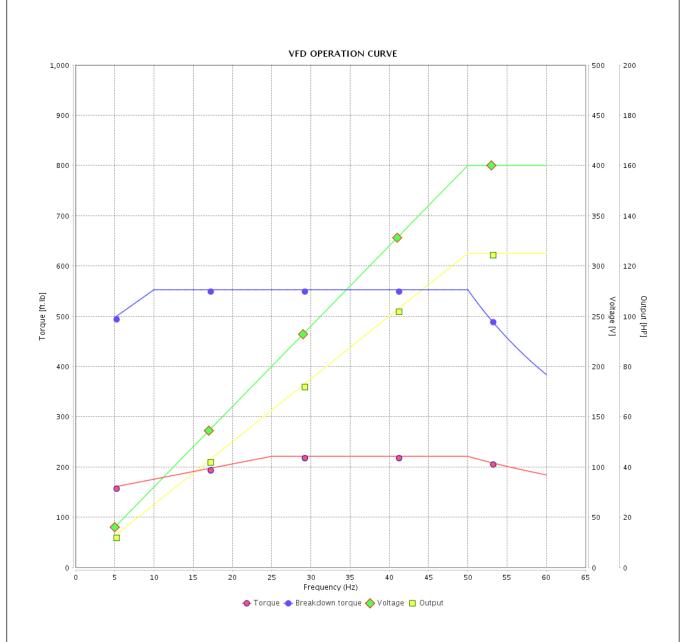
Product line : NEMA Premium Efficiency Three- Product line : NEMA Pr

Phase

Product code: 11356111

Catalog #: 15036ET3G445TS-W22

32 / 36



Performance	: 400 V 50 Hz 2P IE3				
Rated current	: 154 A	4 A Moment of inertia (J)		: 39.1 sq.ft.lb	
LRC	· ·)	: Cont.(S1)	
Rated torque	: 221 ft.lb	Insulation class		: F	
Locked rotor torque	: 190 %	Service factor Temperature rise		: 1.00	
Breakdown torque	: 250 %			: 80 K	
Rated speed	: 2970 rpm	Design		: B	
Rev.	Changes Summary		Performed	Checked	Date
Performed by					
Checked by				Page	Revision

13/04/2022

Date

Three Phase Induction Motor - Squirrel Cage

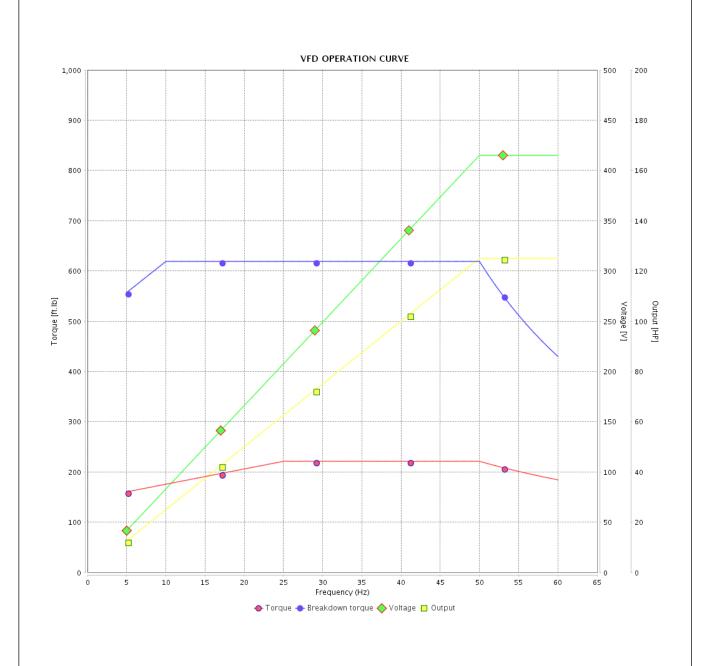


Customer

Product line : NEMA Premium Efficiency Three- Product code : 11356111

Phase

Catalog #: 15036ET3G445TS-W22



Performance	: 4	415 V 50 Hz 2P IE3				
Rated current	: '	: 148 A Moment o		f inertia (J)	: 39.1 sq.ft.lb	
LRC	: 7	7.3	Duty cycle	;	: Cont.(S1)	
Rated torque	: 2	221 ft.lb	Insulation	class	:F	
Locked rotor torque	e : 2	200 %	Service fa	ctor	: 1.00	
Breakdown torque	: 2	280 %	Temperati	ure rise	: 80 K	
Rated speed	: 2	2970 rpm	Design		: B	
Rev.		Changes Summary	1	Performed	Checked	Date
Performed by						
Checked by					Page	Revision
Date	13/04/2022				33 / 36	

Three Phase Induction Motor - Squirrel Cage



Customer :

Date

13/04/2022

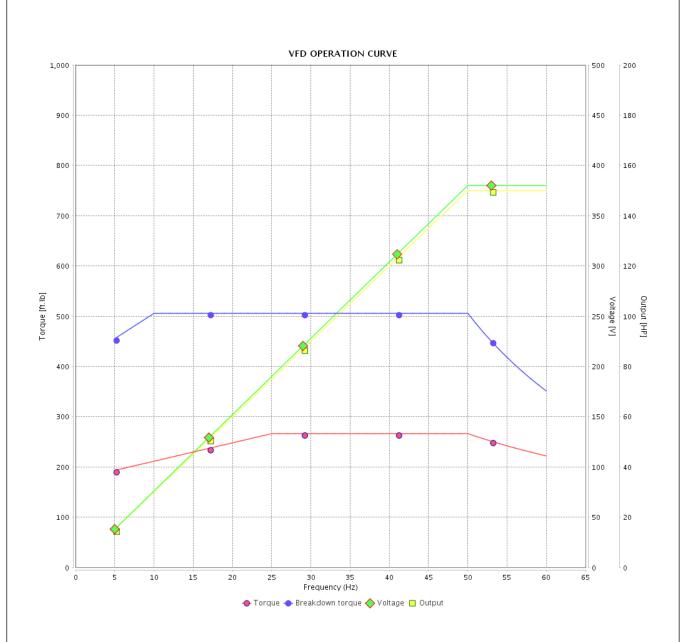
Product line : NEMA Premium Efficiency Three-

Phase

Product code: 11356111

Catalog #: 15036ET3G445TS-W22

34 / 36



Performance : 380 V 50 Hz 2P IE1 : 200 A Rated current Moment of inertia (J) : 39.1 sq.ft.lb **LRC** : 5.1 Duty cycle : Cont.(S1) : 266 ft.lb Insulation class Rated torque : F Locked rotor torque : 140 % Service factor : 1.00 Breakdown torque : 190 % Temperature rise : 105 K Rated speed : 2960 rpm Design : B Rev. Performed Checked Date **Changes Summary** Performed by Checked by Page Revision

Three Phase Induction Motor - Squirrel Cage

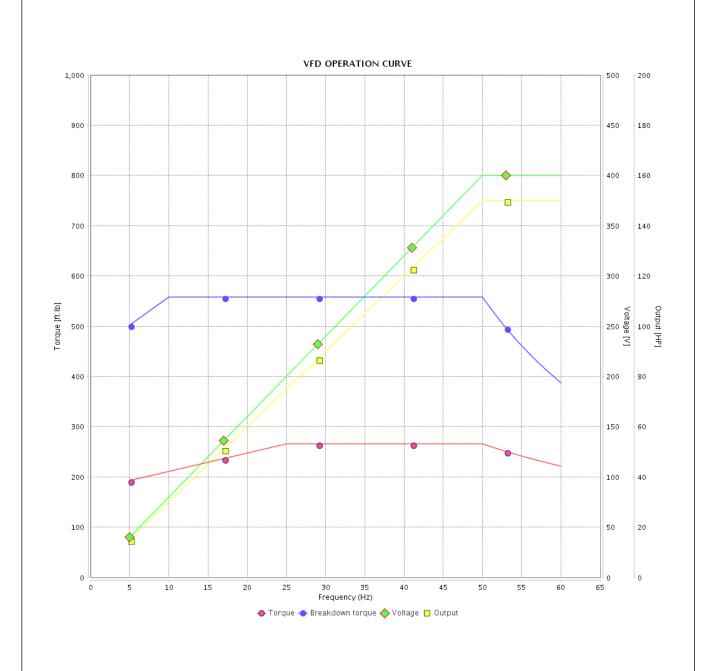


Customer

Product line : NEMA Premium Efficiency Three- Product code : 11356111

Phase

Catalog #: 15036ET3G445TS-W22



Performance	:	400 V 50 Hz 2P IE2				
Rated current		189 A	Moment o	f inertia (J)	: 39.1 sq.ft.lb	
LRC	:	5.7	Duty cycle)	: Cont.(S1)	
Rated torque	:	266 ft.lb	Insulation	class	:F	
Locked rotor torque	:	160 %	Service fa	ctor	: 1.00	
Breakdown torque	:	210 %	Temperati	ıre rise	: 105 K	
Rated speed	:	2965 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 :

Date

13/04/2022

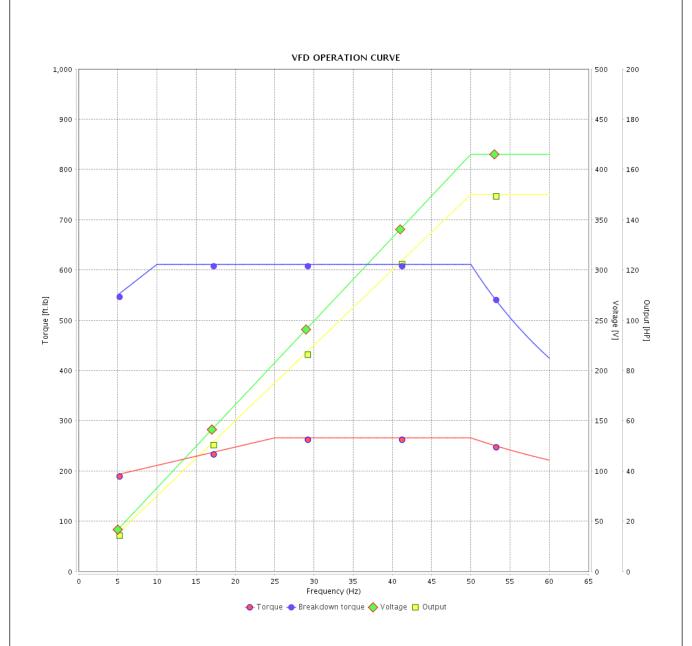
Product line : NEMA Premium Efficiency Three- Product code :

Phase

Catalog #: 15036ET3G445TS-W22

11356111

36 / 36



Performance : 415 V 50 Hz 2P IE2 : 182 A Rated current Moment of inertia (J) : 39.1 sq.ft.lb **LRC** Duty cycle : Cont.(S1) : 6.1 : 266 ft.lb Insulation class Rated torque : F Locked rotor torque : 170 % Service factor : 1.00 Breakdown torque : 229 % Temperature rise : 80 K Rated speed : 2965 rpm Design : B Rev. Performed Checked Date **Changes Summary** Performed by Page Checked by Revision

