### **DATA SHEET**

#### Three Phase Induction Motor - Squirrel Cage



Customer

Product line : NEMA Premium Efficiency Three-Product code: 11603182

Catalog #: 00536ST3QIE184TC-W22

Frame : 182/4TC Cooling method : IC411 - TEFC

Insulation class Mounting : F-1

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

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

Altitude · 1000 m a s l · 105 lb Approx. weight3

5
2
50
415
6.61
47.6
7.2x(Code H
2.25
2880
4.00
9.12
240
320
1.25
80 K
32s (cold)
18s (hot)
62.0 dB(A)
88.0
87.5
88.5
87.5
0.50
0.76
0.85
0.89

Drive end Non drive end Foundation loads

20000 h

6207 C3 Bearing type 6206 C3 Max. traction : 133 lb Sealing Inpro/Seal Inpro/Seal Max. compression : 239 lb

20000 h

Lubricant amount 7 g 5 g Mobil Polyrex EM Lubricant type

Notes

Lubrication interval

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

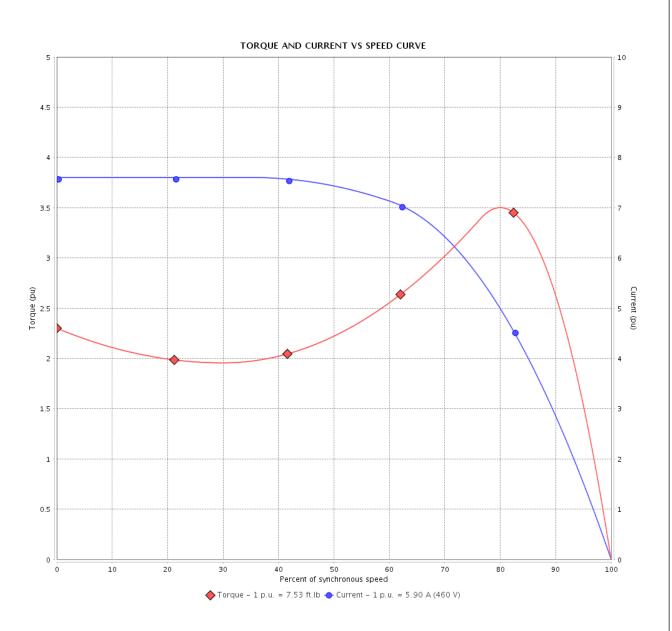


Customer

Product line : NEMA Premium Efficiency Three-Product code:

Catalog #: 00536ST3QIE184TC-W22

11603182



Performance : 460 V 60 Hz 2P Rated current : 5.90 A Moment of inertia (J) : 0.2233 sq.ft.lb **LRC** : 7.6 Duty cycle : Cont.(S1) : F : 7.53 ft.lb Insulation class Rated torque Service factor Locked rotor torque : 229 % : 1.25 Breakdown torque : 350 % Temperature rise : 80 K Rated speed : 3485 rpm Design : B Locked rotor time

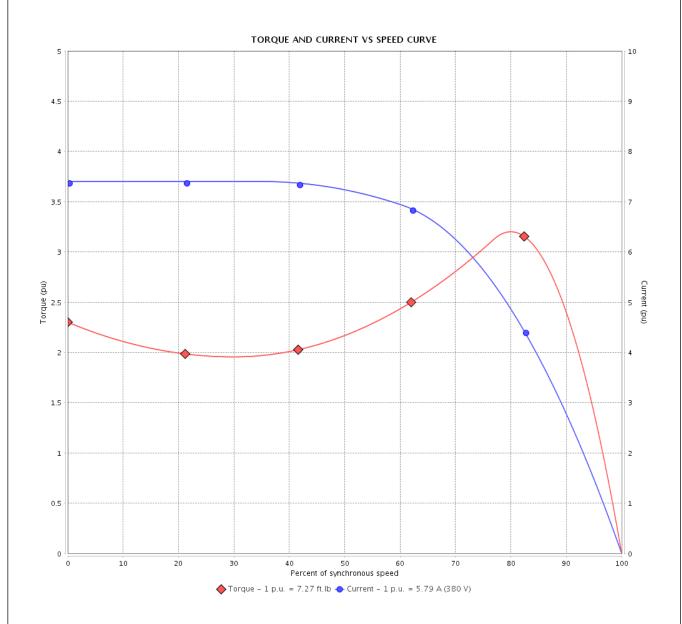
: 45s (cold) 25s (hot)

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: 11603182 Catalog #: 00536ST3QIE184TC-W22



Performance	: 380 V 50 Hz 2P IE3		
Rated current	: 5.79 A	Moment of inertia (J)	: 0.2233 sq.ft.lb
LRC	: 7.4	Duty cycle	: Cont.(S1)
Rated torque	: 7.27 ft.lb	Insulation class	:F
Locked rotor torque	: 229 %	Service factor	: 1.25
Breakdown torque	: 320 %	Temperature rise	: 80 K
Rated speed	: 2890 rpm	Design	: B
Locked rotor time	: 32s (cold) 18s (hot)		

LOCKCO TOTOL UITI	. 0	23 (6014) 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



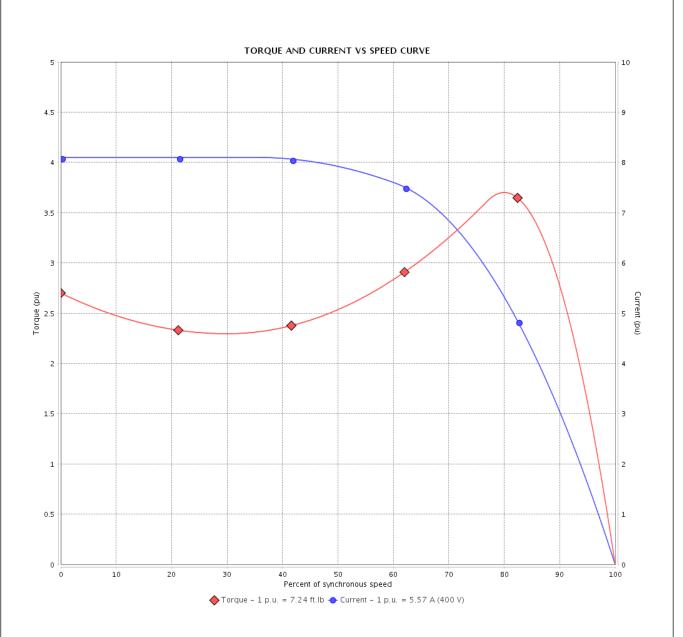
Customer :

Product line : NEMA Premium Efficiency Three- Product code :

Phase

Catalog #: 00536ST3QIE184TC-W22

11603182

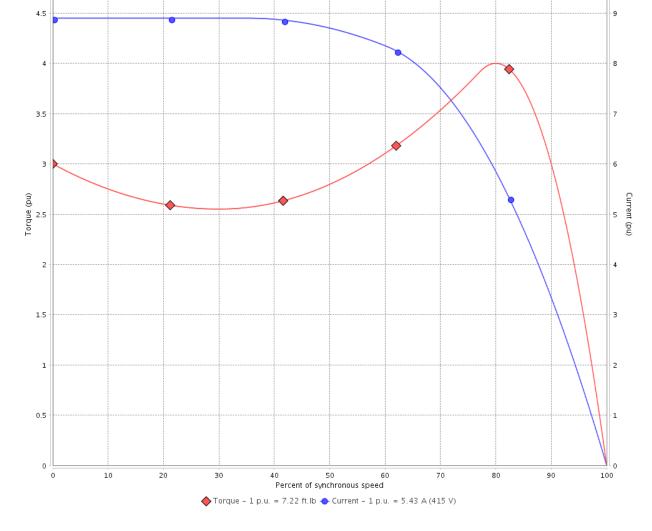


Performance : 400 V 50 Hz 2P IE3 Rated current : 5.57 A Moment of inertia (J) : 0.2233 sq.ft.lb **LRC** : 8.1 Duty cycle : Cont.(S1) : F Insulation class Rated torque : 7.24 ft.lb Service factor Locked rotor torque : 270 % : 1.25 Breakdown torque : 370 % Temperature rise : 80 K Rated speed : 2900 rpm Design : B Locked rotor time : 32s (cold) 18s (hot)

		2=0 (00:0) :00 (::01)			
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: 11603182 Catalog #: 00536ST3QIE184TC-W22 TORQUE AND CURRENT VS SPEED CURVE 4.5



Performance	: 415 V 50 Hz 2P IE3			
Rated current	: 5.43 A	Moment of inertia (J)	: 0.2233 sq.ft.lb	
LRC	: 8.9	Duty cycle	: Cont.(S1)	
Rated torque	: 7.22 ft.lb	Insulation class	:F	
Locked rotor torque	: 300 %	Service factor	: 1.25	
Breakdown torque	: 400 %	Temperature rise	: 80 K	
Rated speed	: 2910 rpm	Design	: B	
Locked rotor time	: 32s (cold) 18s (hot)		-	

LOCKCO TOTOL UITA	. 0	23 (6014) 103 (1101)			
Rev.	Changes Summary		Performed	Checked	Date
Performed by					
Checked by				Page	Revision
Date	13/04/2022	_		5 / 36	

#### Three Phase Induction Motor - Squirrel Cage



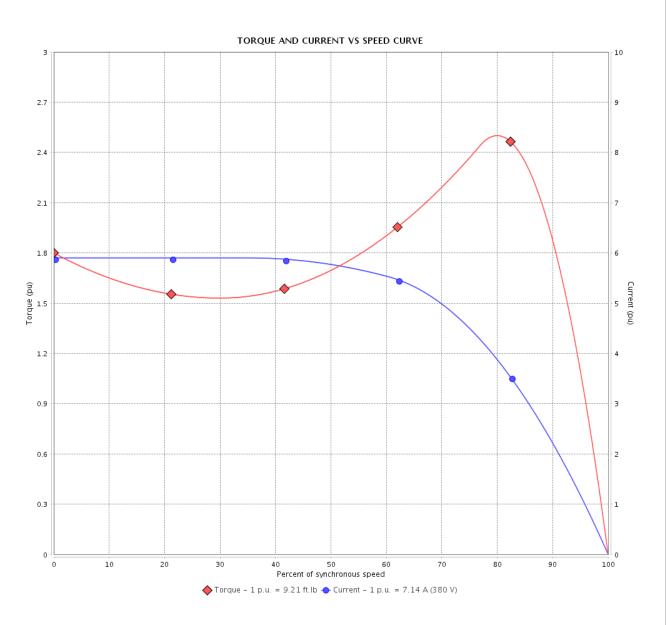
Customer :

Product line : NEMA Premium Efficiency Three-

Phase

Product code: 11603182

Catalog #: 00536ST3QIE184TC-W22



Performance : 380 V 50 Hz 2P IE2 Rated current : 7.14 A Moment of inertia (J) : 0.2233 sq.ft.lb **LRC** : 5.9 Duty cycle : Cont.(S1) Insulation class Rated torque : 9.21 ft.lb : F Locked rotor torque : 180 % Service factor : 1.25 Breakdown torque : 250 % Temperature rise : 80 K Rated speed : 2850 rpm Design : B

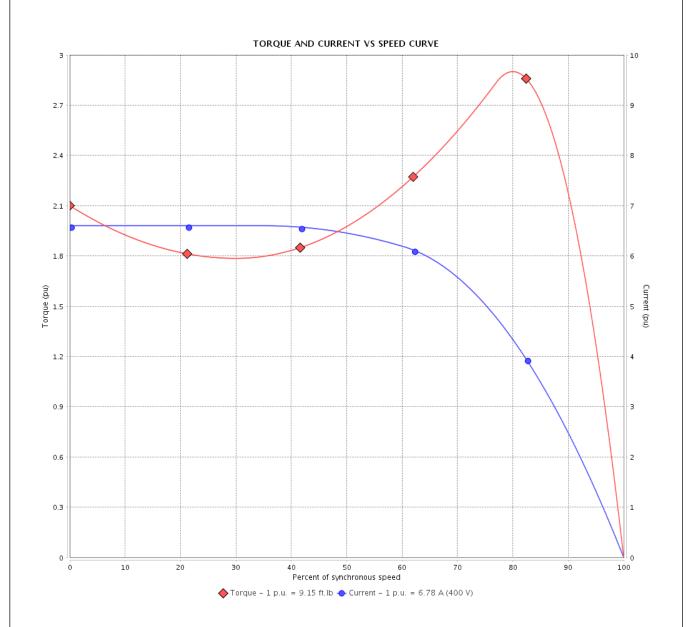
Locked rotor time : 32s (cold) 18s (hot)

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: 11603182 Catalog #: 00536ST3QIE184TC-W22



Performance : 400 V 50 Hz 2P IE2 Rated current : 6.78 A Moment of inertia (J) : 0.2233 sq.ft.lb **LRC** : 6.6 Duty cycle : Cont.(S1) Insulation class : F Rated torque : 9.15 ft.lb Locked rotor torque : 210 % Service factor : 1.25 Breakdown torque : 290 % Temperature rise : 80 K : B Rated speed : 2870 rpm Design Locked rotor time : 32s (cold) 18s (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

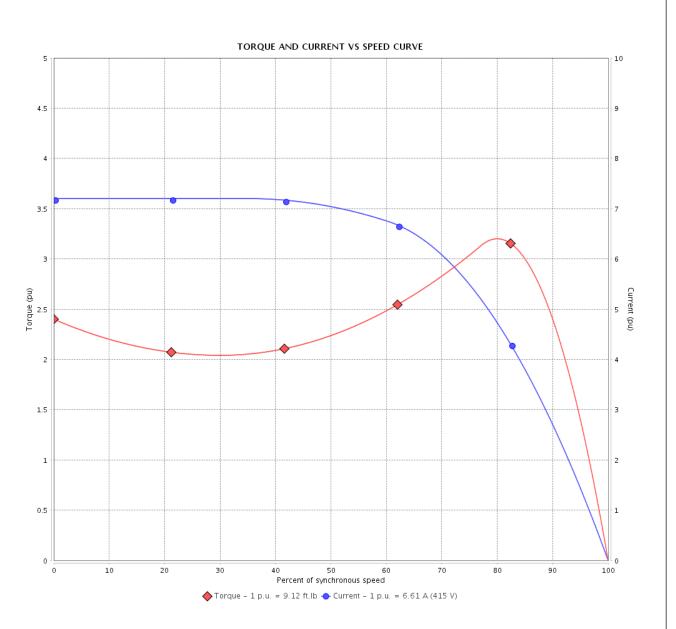


Customer :

Product line : NEMA Premium Efficiency Three- Product code : 11603182

Phase

Catalog #: 00536ST3QIE184TC-W22



Performance : 415 V 50 Hz 2P IE2 Rated current : 6.61 A Moment of inertia (J) : 0.2233 sq.ft.lb **LRC** : 7.2 Duty cycle : Cont.(S1) Insulation class Rated torque : 9.12 ft.lb : F Locked rotor torque : 240 % Service factor : 1.25 Breakdown torque : 320 % Temperature rise : 80 K Rated speed : 2880 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

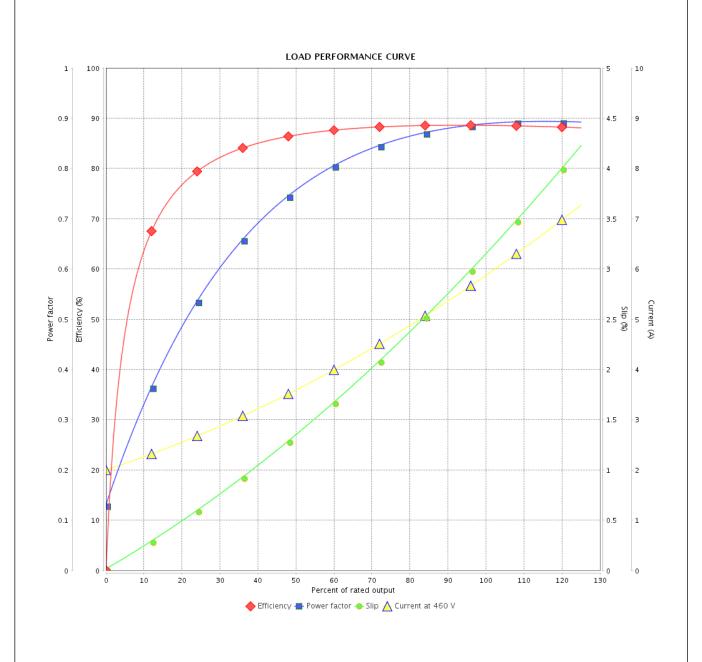


Customer

Product line : NEMA Premium Efficiency Three- Product code : 11603182

Phase

Catalog #: 00536ST3QIE184TC-W22



Performance	: 4	60 V 60 Hz 2P				
Rated current	: 5	5.90 A	Moment of inertia (J)		: 0.2233 sq.ft.lb	
LRC	: 7	<b>'</b> .6	Duty cycle	; · ·	: Cont.(S1)	
Rated torque	: 7	'.53 ft.lb	Insulation	class	: F	
Locked rotor torqu	e : 2	229 %	Service fa	ctor	: 1.25	
Breakdown torque	: 3	350 %	Temperati	Temperature rise		
Rated speed	: 3	3485 rpm	Design		: B	
Rev.		Changes Summa	ry	Performed	Checked	Date
Performed by						
Checked by					Page	Revision
Date	13/04/2022	7			9 / 36	

#### Three Phase Induction Motor - Squirrel Cage



Customer :

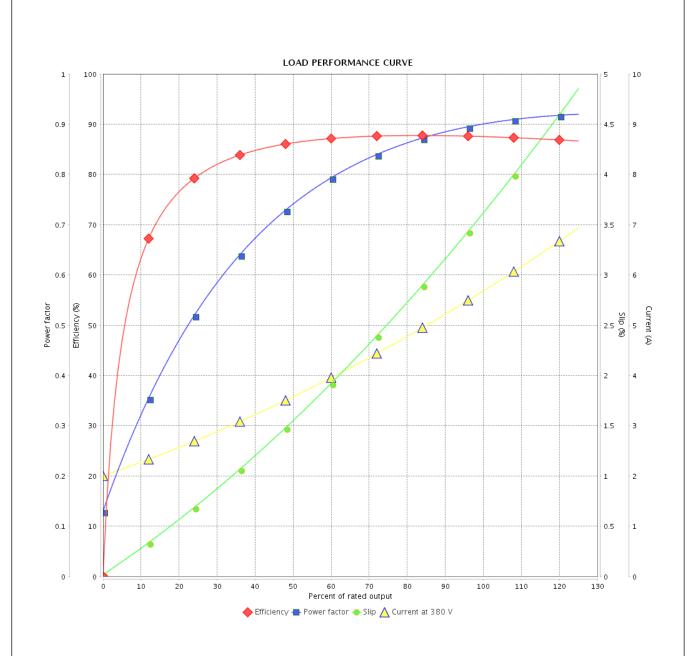
Product line : NEMA Premium Efficiency Three- Product code :

Phase

Catalog #: 00536ST3QIE184TC-W22

10/36

11603182



Performance	: 380 V 50 Hz 2P IE3				
Rated current LRC Rated torque Locked rotor torque Breakdown torque Rated speed	: 5.79 A : 7.4 : 7.27 ft.lb : 229 % : 320 % : 2890 rpm	Moment of Duty cycle Insulation Service fa Temperate Design	class ctor	: 0.2233 sq.ft. : Cont.(S1) : F : 1.25 : 80 K : B	lb
Rev.	Changes Summary		Performed	Checked	Date
Performed by					
Checked by				Page	Revision

13/04/2022

Date

#### Three Phase Induction Motor - Squirrel Cage

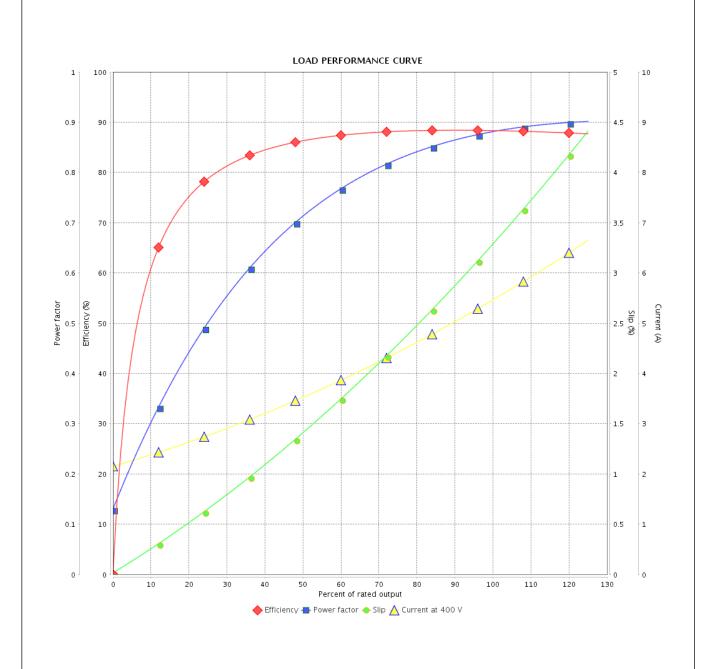


Customer

Product line : NEMA Premium Efficiency Three- Product code : 11603182

Phase

Catalog #: 00536ST3QIE184TC-W22



Performance	:	400 V 50 Hz 2P IE3				
Rated current	:	5.57 A	Moment o	f inertia (J)	: 0.2233 sq.ft.	lb
LRC	:	8.1	Duty cycle	` '	: Cont.(S1)	
Rated torque	:	7.24 ft.lb	Insulation		: F ` ´	
Locked rotor torque	e :	270 %	Service fa	ctor	: 1.25	
Breakdown torque		370 %	Temperati	ure rise	: 80 K	
Rated speed		2900 rpm	Design		: B	
Rev.		Changes Summary		Performed	Checked	Date
Performed by						
Checked by					Page	Revision
Date	13/04/2022				11 / 36	

#### Three Phase Induction Motor - Squirrel Cage



Customer :

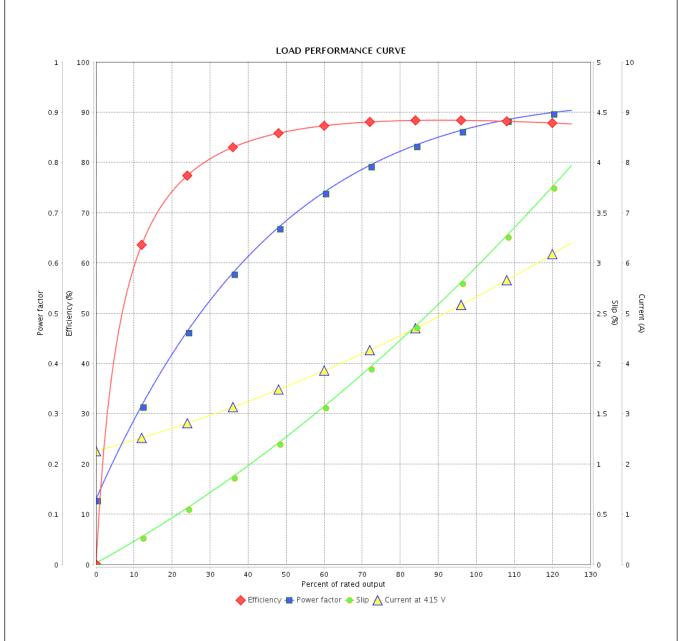
Product line : NEMA Premium Efficiency Three- Product

Phase

Product code: 11603182

Catalog #: 00536ST3QIE184TC-W22

12/36



Performance	: 415 V 50 Hz 2P IE3			
Rated current LRC Rated torque Locked rotor torque Breakdown torque Rated speed	: 5.43 A : 8.9 : 7.22 ft.lb : 300 % : 400 % : 2910 rpm	Moment of inertia (J) Duty cycle Insulation class Service factor Temperature rise Design	: 0.2233 sq.ft. : Cont.(S1) : F : 1.25 : 80 K : B	lb
Rev.	Changes Summary	Performed	Checked	Date
Performed by				
Checked by			Page	Revision

13/04/2022

Date

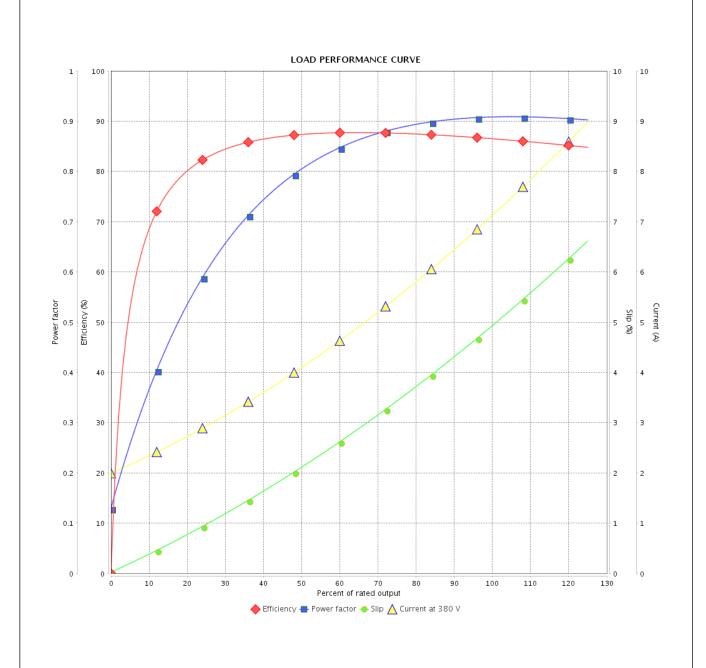
#### Three Phase Induction Motor - Squirrel Cage



Customer

Product line : NEMA Premium Efficiency Three-Product code: 11603182

Catalog #: 00536ST3QIE184TC-W22



Performance	: 38	80 V 50 Hz 2P IE2				
Rated current	: 7.	14 A	Moment o	of inertia (J)	: 0.2233 sq.ft.	lb
LRC	: 5.	.9	Duty cycle	Э	: Cont.(S1)	
Rated torque	: 9.	.21 ft.lb	Insulation	class	: F	
Locked rotor torq	ue : 18	80 %	Service fa	actor	: 1.25	
Breakdown torqu	e : 25	50 %	Temperati	ure rise	: 80 K	
Rated speed	: 28	850 rpm	Design		: B	
Rev.		Changes Summar	у	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- Product line : NEMA Pr

Phase

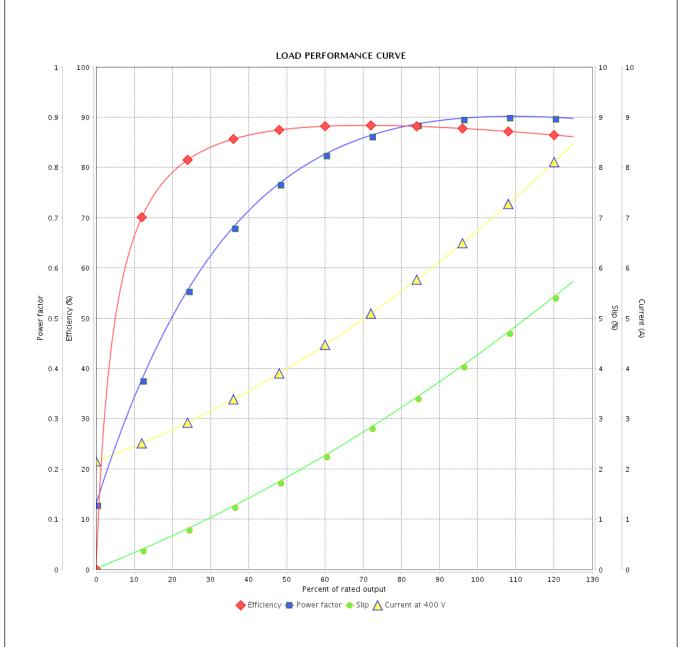
Product code: 11603182

Catalog #: 00536ST3QIE184TC-W22

Page

14/36

Revision



Performance	:	400 V 50 Hz 2P	IE2			
Rated current LRC Rated torque Locked rotor tord Breakdown torqu Rated speed	: que : ie :	6.78 A 6.6 9.15 ft.lb 210 % 290 % 2870 rpm	Duty cy Insulati Service	on class	: 0.2233 sq.ft. : Cont.(S1) : F : 1.25 : 80 K : B	lb
Rev.		Changes Sum	nmary	Performed	Checked	Date
Performed by						

#### Three Phase Induction Motor - Squirrel Cage

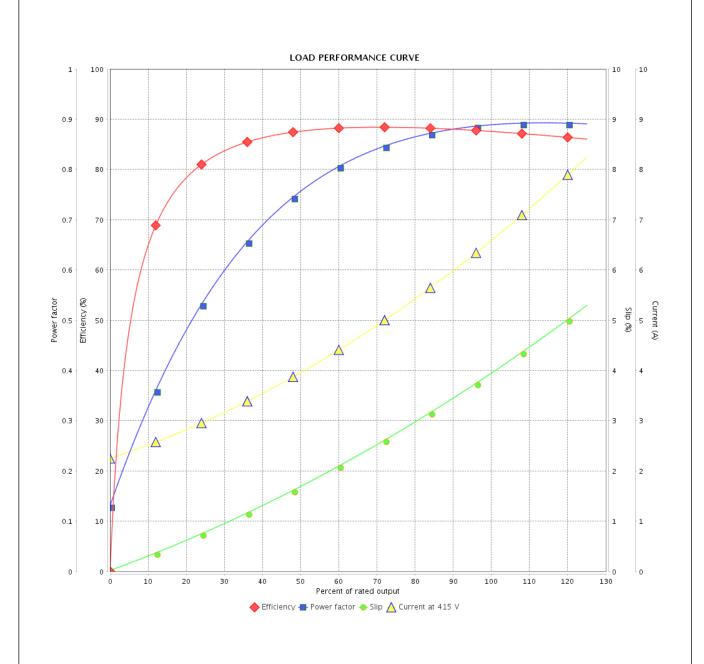


Customer

Product line : NEMA Premium Efficiency Three- Product code : 11603182

Phase

Catalog # : 00536ST3QIE184TC-W22



Performance	: 4	15 V 50 Hz 2P IE2				
Rated current	: 6	.61 A	Moment o	f inertia (J)	: 0.2233 sq.ft.	lb
LRC	: 7	.2	Duty cycle	)	: Cont.(S1)	
Rated torque	: 9	.12 ft.lb	Insulation	class	: F	
Locked rotor torque	e : 2	40 %	Service fa	ctor	: 1.25	
Breakdown torque	: 3	20 %	Temperati	ıre rise	: 80 K	
Rated speed	: 2	880 rpm	Design		: B	
Rev.		Changes Summary		Performed	Checked	Date
Performed by		1				
renormed by		_				
Checked by					Page	Revision
Date	13/04/2022	]			15 / 36	

### Three Phase Induction Motor - Squirrel Cage

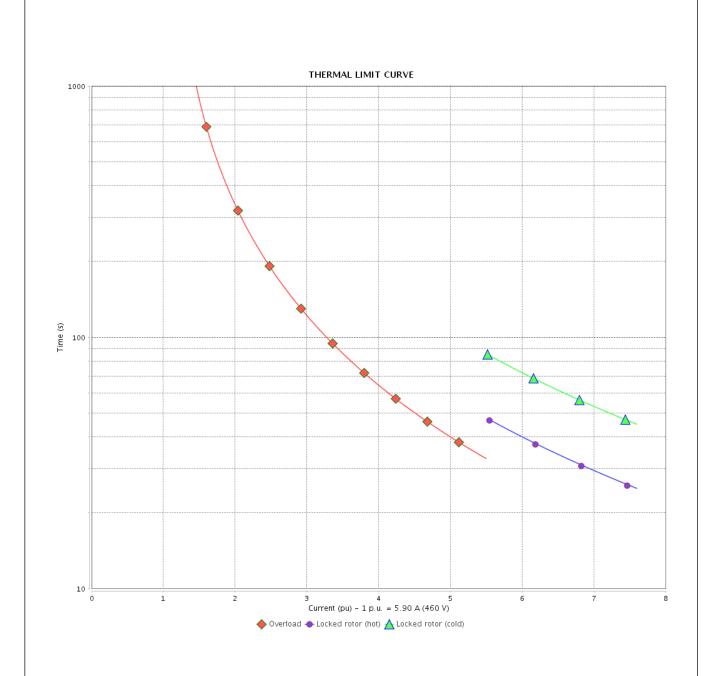


Customer		:				
Product line		: NEMA Premium Efficiency Phase		Product code : Catalog # :	11603182 00536ST3QII	=194TC W22
					2000010411	
Performance		: 460 V 60 Hz 2P				
Rated current LRC		: 5.90 A : 7.6	Moment of Duty cycle	of inertia (J)	: 0.2233 sq.ft.ll : Cont.(S1)	b
Rated torque		: 7.53 ft.lb	Insulation	class	: F	
Locked rotor tord Breakdown torqu		: 229 % : 350 %	Service fa Temperat		: 1.25 : 80 K	
Rated speed		: 3485 rpm	Design	ure rise	: B	
Heating constant						
Cooling constant	t	Observe O		D- ( )	Ob. 1	
Rev.		Changes Summary		Performed	Checked	Date
Performed by						
Checked by					Page	Revision
Date	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

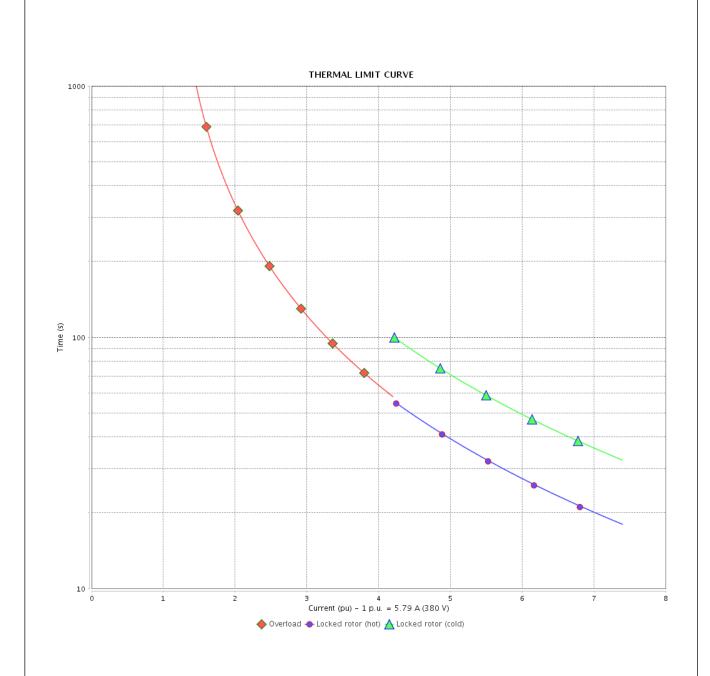


Customer		:				
Product line		: NEMA Premium Efficiency Phase	Three-	Product code :	11603182	
				Catalog # :	00536ST3QI	E184TC-W22
Performance		: 380 V 50 Hz 2P IE3				
Rated current		: 5.79 A	Moment of	of inertia (J)	: 0.2233 sq.ft.ll	)
LRC Rated torque		: 7.4 : 7.27 ft.lb	Duty cycle Insulation		: Cont.(S1) : F	
Locked rotor tord	que	: 229 %	Service fa		: 1.25	
Breakdown torqu	ue :	: 320 %	Temperat	ure rise	: 80 K	
Rated speed		: 2890 rpm	Design		: B	
Heating constant						
Cooling constant Rev.	<b>.</b>	Changes Summary		Performed	Checked	Date
				. 5.10.11104	2001.00	24.0
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	1		19 / 36	

### Three Phase Induction Motor - Squirrel Cage

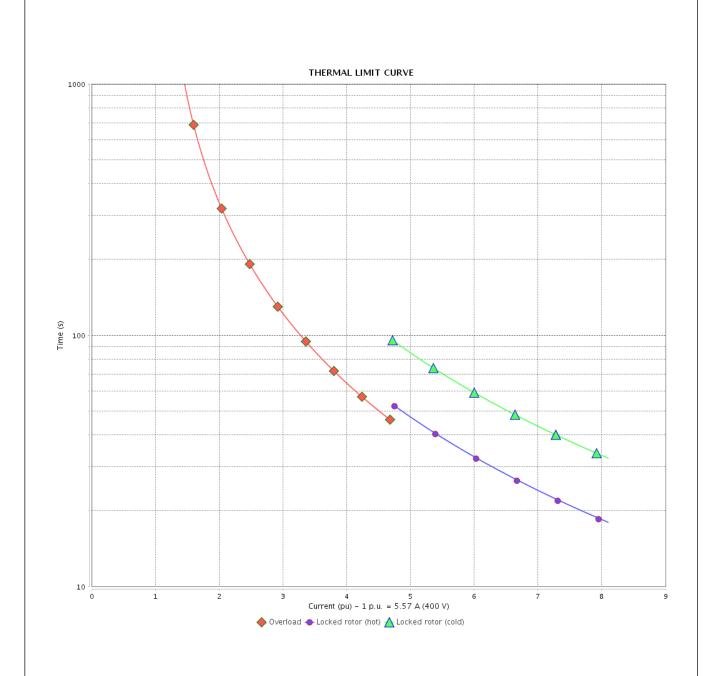


Customer		:				
Draduat line		· NEMA Promium Efficiency	Three	Draduat anda :	11602192	
Product line		: NEMA Premium Efficiency Phase		Product code :	11603182	
				Catalog # :	00536ST3QII	E184TC-W22
Performance		: 400 V 50 Hz 2P IE3				
Rated current		: 5.57 A	Moment of	of inertia (J)	: 0.2233 sq.ft.ll	0
LRC		: 8.1	Duty cycle	Э	: Cont.(S1)	
Rated torque Locked rotor torc		: 7.24 ft.lb : 270 %	Insulation Service fa		: F : 1.25	
Breakdown torqu	ie	: 370 %	Temperat		: 80 K	
Rated speed		: 2900 rpm	Design		: B	
Heating constant						
Cooling constant	t					
Rev.		Changes Summary		Performed	Checked	Date
Darformed by						
Performed by Checked by					Page	Revision
Date	13/04/2022				20 / 36	IZENISION

#### 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

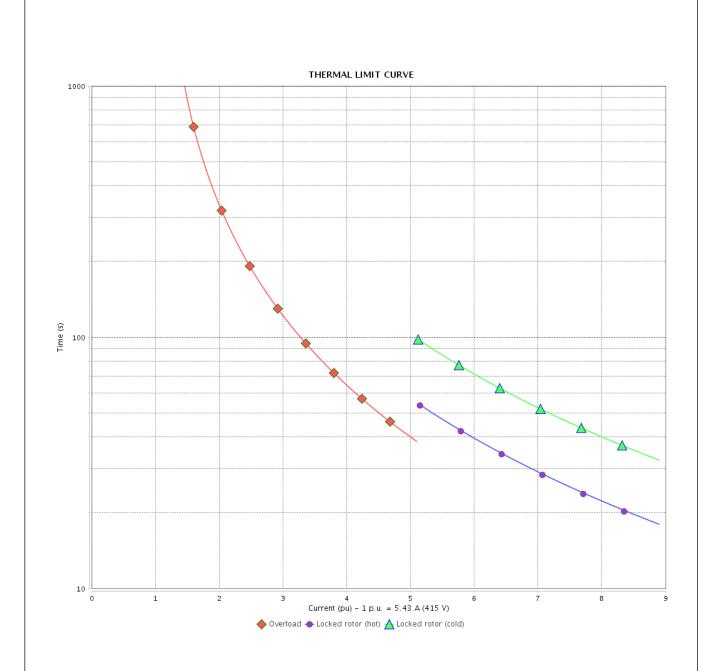


Customer	:					
Product line		NEMA Premium Efficiency l hase		Product code :	11603182 00536ST3QI	E184TC-W22
Performance	· <b>Δ</b>	15 V 50 Hz 2P IE3				
Rated current LRC Rated torque Locked rotor torqu Breakdown torque Rated speed	: 5 : 8 : 7 : 3 : : 4	.43 A	Moment of Duty cycle Insulation Service fac Temperatu Design	class	: 0.2233 sq.ft.I : Cont.(S1) : F : 1.25 : 80 K : B	b
Heating constant Cooling constant			-			
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

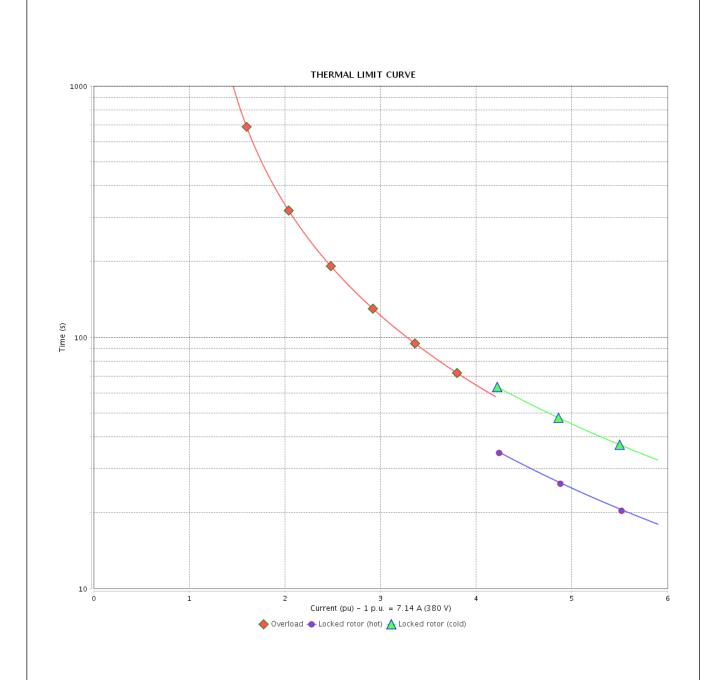


Customer		:				
Product line		: NEMA Premium Efficiency Phase	Three-	Product code :	11603182	
		i ilase		Catalog # :	00536ST3QI	E184TC-W22
Donformono		200 \/ 50    - 2D    52				
Performance Rated current		380 V 50 Hz 2P IE2 7.14 A	Moment o	of inertia (J)	: 0.2233 sq.ft.l	h
LRC	:	5.9	Duty cycle	9	: Cont.(S1)	~
Rated torque		9.21 ft.lb 180 %	Insulation Service fa		: F : 1.25	
Locked rotor torqu Breakdown torque		180 % 250 %	Temperat		: 1.25 : 80 K	
Rated speed		2850 rpm	Design		: B	
Heating constant						
Cooling constant						
Rev.		Changes Summary		Performed	Checked	Date
		T				
Performed by					_	
Checked by	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

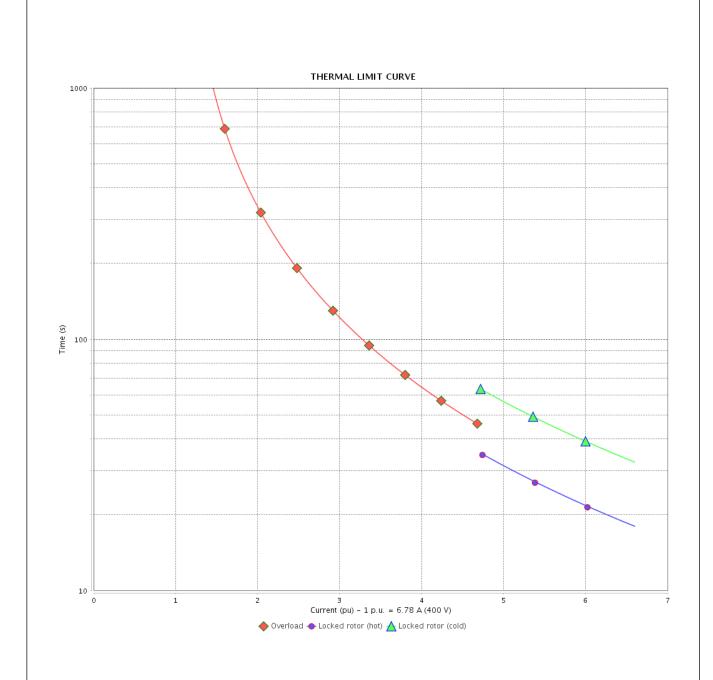


Customer		:				
Product line		: NEMA Premium Efficiency	Three-	Product code :	11603182	
		Phase		Catalog # :	00536ST3QI	E184TC-W22
Performance		: 400 V 50 Hz 2P IE2				
Rated current		: 6.78 A	Moment o	of inertia (J)	: 0.2233 sq.ft.l	b
LRC Rated torque		: 6.6 : 9.15 ft.lb	Duty cycle Insulation		: Cont.(S1) : F	
Locked rotor tord	que	: 210 %	Service fa	actor	: 1.25	
Breakdown torqu		: 290 %	Temperat	ure rise	: 80 K	
Rated speed		: 2870 rpm	Design		: B	
Heating constant						
Cooling constant	l	Changes Summary		Performed	Checked	Date
					2001.00	
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

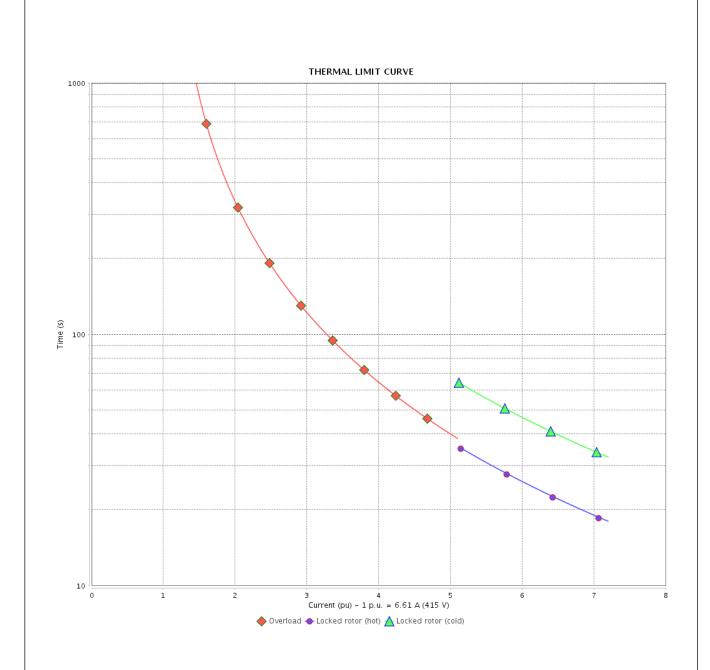


Customer	:				
Product line	: NEMA Premium Efficiency Phase		Product code : Catalog # :	11603182 00536ST3QI	E184TC-W22
Performance	: 415 V 50 Hz 2P IE2				
Rated current LRC Rated torque Locked rotor torque Breakdown torque Rated speed	: 6.61 A : 7.2 : 9.12 ft.lb : 240 % : 320 % : 2880 rpm	Moment o Duty cycle Insulation Service fa Temperatu Design	class ctor	: 0.2233 sq.ft. : Cont.(S1) : F : 1.25 : 80 K : B	b
Heating constant	·				
Cooling constant					
Rev.	Changes Summary		Performed	Checked	Date
Performed by 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			29 / 36	

#### Three Phase Induction Motor - Squirrel Cage



Customer :

Checked by

Date

13/04/2022

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

Phase

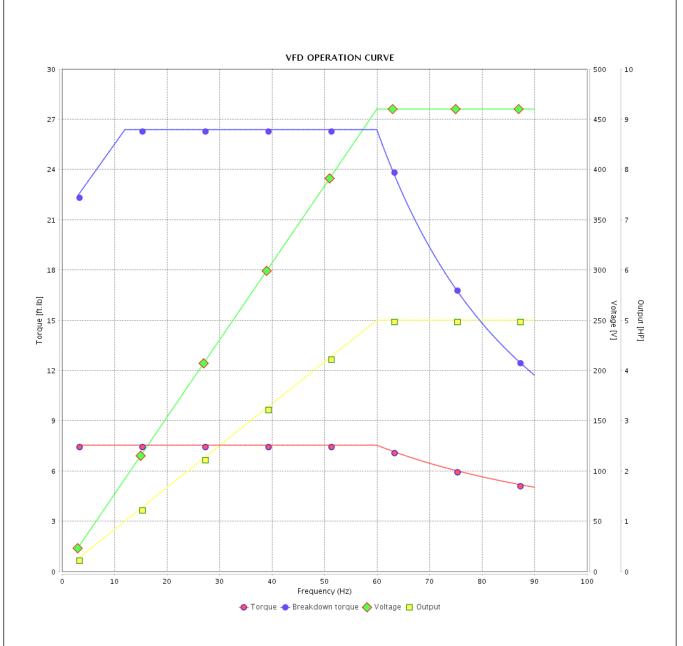
Product code: 11603182

Catalog #: 00536ST3QIE184TC-W22

Page

30 / 36

Revision



	: 460 V 60 Hz 2P				
ue e	: 5.90 A : 7.6 : 7.53 ft.lb : 229 % : 350 % : 3485 rpm	Duty cycle Insulation Service fa	class ctor	: 0.2233 sq.ft. : Cont.(S1) : F : 1.25 : 80 K : B	lb
	Changes Sum	mary	Performed	Checked	Date
		: 5.90 A : 7.6 : 7.53 ft.lb ue : 229 % e : 350 % : 3485 rpm	: 5.90 A Moment o : 7.6 Duty cycle : 7.53 ft.lb Insulation ue : 229 % Service fa e : 350 % Temperatu	: 5.90 A  : 7.6  Duty cycle  : 7.53 ft.lb  ue  : 229 %  e  : 350 %  : 3485 rpm  Moment of inertia (J)  Duty cycle  Insulation class  Service factor  Temperature rise  Design	: 5.90 A       Moment of inertia (J)       : 0.2233 sq.ft.         : 7.6       Duty cycle       : Cont.(S1)         : 7.53 ft.lb       Insulation class       : F         ue       : 229 %       Service factor       : 1.25         e       : 350 %       Temperature rise       : 80 K         : 3485 rpm       Design       : B

#### Three Phase Induction Motor - Squirrel Cage

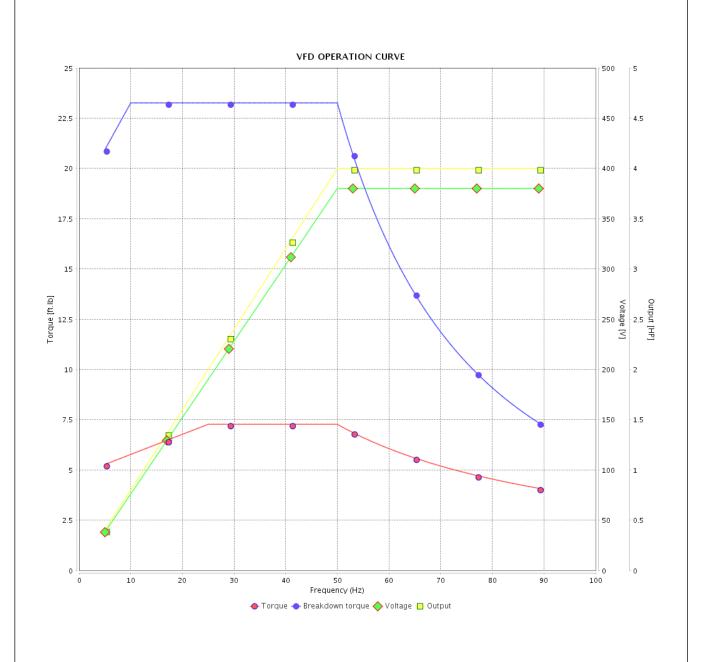


Customer

Product line : NEMA Premium Efficiency Three- Product code : 11603182

Phase

Catalog #: 00536ST3QIE184TC-W22



Performance	: 3	80 V 50 Hz 2P IE3				
Rated current	: 5	.79 A	79 A Moment of inertia (J)		: 0.2233 sq.ft.lb	
LRC	: 7	.4	Duty cycle	<b>:</b>	: Cont.(S1)	
Rated torque	: 7	.27 ft.lb	Insulation	class	: F	
Locked rotor torqu	ue : 2	29 %	Service fa	ctor	: 1.25	
Breakdown torque	e : 3	20 %	Temperature rise		: 80 K	
Rated speed	: 2	890 rpm	Design		: B	
Rev.		Changes Summar	ту	Performed	Checked	Date
Performed by						
Checked by					Page	Revision
Date	13/04/2022				31 / 36	

#### Three Phase Induction Motor - Squirrel Cage



Customer :

Checked by

Date

13/04/2022

Product line : NEMA Premium Efficiency Three-

Phase

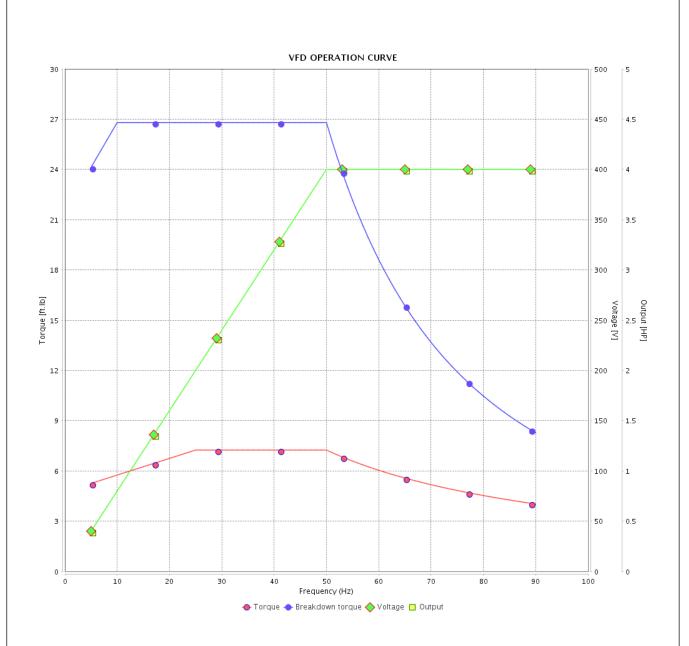
Product code: 11603182

Catalog #: 00536ST3QIE184TC-W22

Page

32 / 36

Revision



Performance : 400 V 50 Hz 2P IE3 Rated current : 5.57 A Moment of inertia (J) : 0.2233 sq.ft.lb **LRC** Duty cycle : Cont.(S1) : 8.1 Insulation class : 7.24 ft.lb : F Rated torque Locked rotor torque : 270 % Service factor : 1.25 Breakdown torque : 370 % Temperature rise : 80 K Rated speed : 2900 rpm Design : B Rev. Performed Checked Date **Changes Summary** Performed by

#### Three Phase Induction Motor - Squirrel Cage

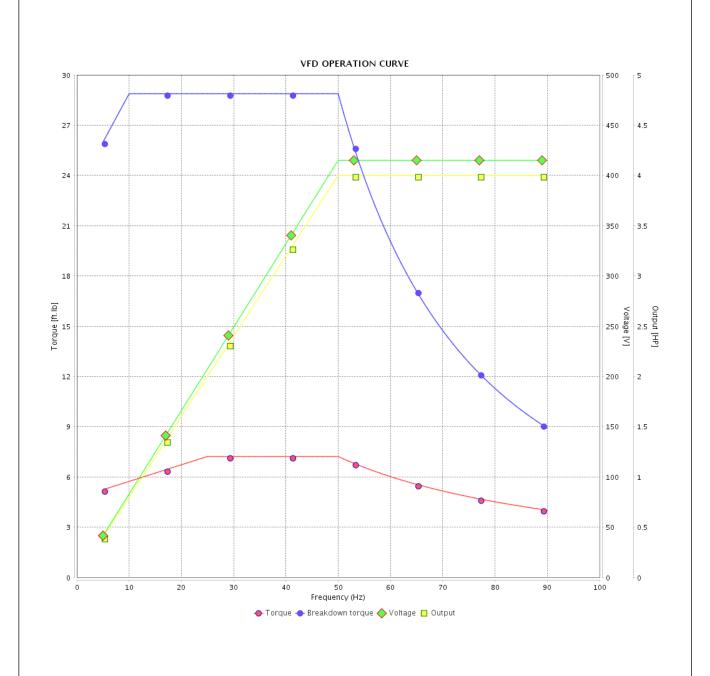


Customer

Product line : NEMA Premium Efficiency Three- Product code : 11603182

Phase

Catalog #: 00536ST3QIE184TC-W22



Performance	:	415 V 50 Hz 2P IE3				
Rated current	:	: 5.43 A		Moment of inertia (J)		.lb
LRC	:	8.9	Duty cycle	)	: Cont.(S1)	
Rated torque	:	7.22 ft.lb	Insulation	class	: F	
Locked rotor torg	jue :	300 %	Service fa	ctor	: 1.25	
Breakdown torqu	ie :	400 %	Temperature rise		: 80 K	
Rated speed	:	2910 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- Product

Phase

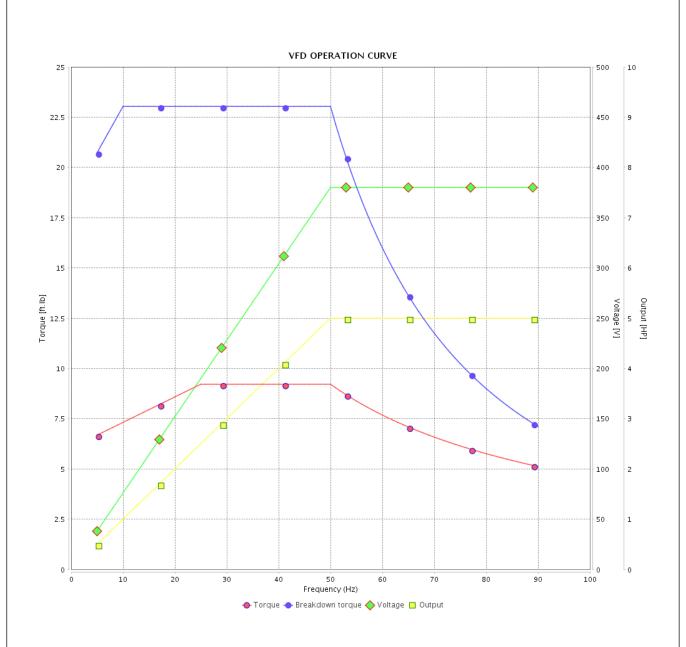
Product code: 11603182

Catalog #: 00536ST3QIE184TC-W22

Page

34 / 36

Revision



Performance : 380 V 50 Hz 2P IE2 : 7.14 A Rated current Moment of inertia (J) : 0.2233 sq.ft.lb **LRC** Duty cycle : Cont.(S1) : 5.9 Insulation class Rated torque : 9.21 ft.lb : F Locked rotor torque : 180 % Service factor : 1.25 Breakdown torque : 250 % Temperature rise : 80 K Rated speed : 2850 rpm Design : B Rev. Performed Checked Date **Changes Summary** Performed by

#### Three Phase Induction Motor - Squirrel Cage



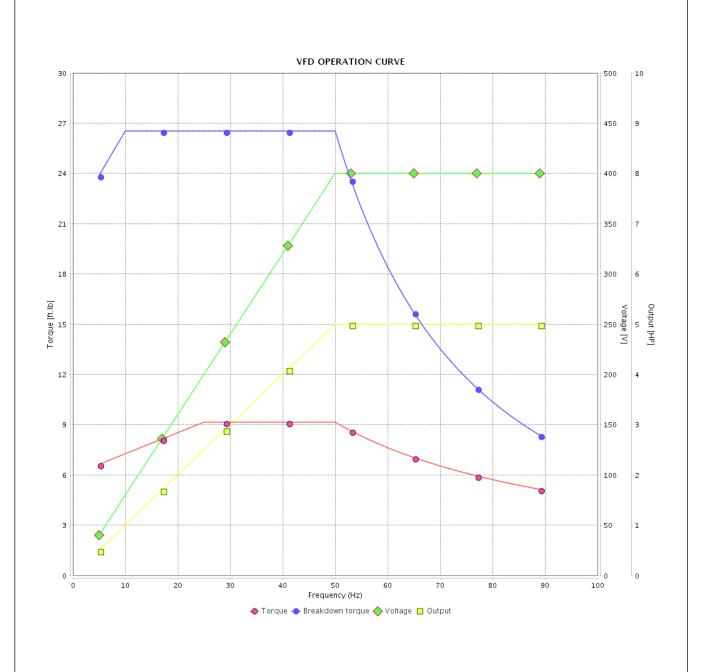
00536ST3QIE184TC-W22

Customer :

Product line : NEMA Premium Efficiency Three- Product code : 11603182

Phase

Catalog #:



Performance	: 4	00 V 50 Hz 2P IE2				
Rated current	: 6	: 6.78 A		Moment of inertia (J)		.lb
LRC	: 6	.6	Duty cycle	;	: Cont.(S1)	
Rated torque	: 9	.15 ft.lb	Insulation	class	: F	
Locked rotor torqu	ue : 2	10 %	Service fa	ctor	: 1.25	
Breakdown torque		90 %	Temperature rise		: 80 K	
Rated speed	: 2	870 rpm	Design		: B	
Rev.		Changes Summary		Performed	Checked	Date
		I				
Performed by						
Checked by					Page	Revision
Date	13/04/2022	1			35 / 36	

#### Three Phase Induction Motor - Squirrel Cage



Customer :

Checked by

Date

13/04/2022

Product line : NEMA Premium Efficiency Three-

Phase

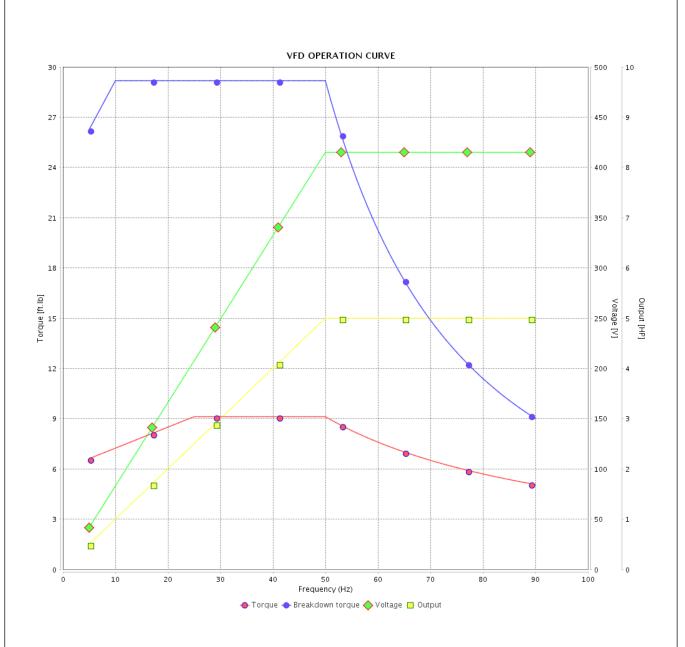
Product code: 11603182

Catalog #: 00536ST3QIE184TC-W22

Page

36 / 36

Revision



Performance : 415 V 50 Hz 2P IE2 Rated current : 6.61 A Moment of inertia (J) : 0.2233 sq.ft.lb **LRC** Duty cycle : Cont.(S1) : 7.2 : 9.12 ft.lb Insulation class : F Rated torque Locked rotor torque : 240 % Service factor : 1.25 Breakdown torque : 320 % Temperature rise : 80 K Rated speed : 2880 rpm Design : B Rev. Performed Checked Date **Changes Summary** Performed by

