DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer

Product line : NEMA Premium Efficiency Three-Product code: 11442106

Catalog #: 00536ET3E184TC-W22

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

Insulation class Mounting : F-1

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

: -20°C to +40°C Ambient temperature Starting method : Direct On Line · 1000 m a s l Approx weight³

Altitude		: 1000 m.a.	S.l.	Approx	k. weight ³	: 9	7.3 lb	
Protection degre	е	: IP55		Momer	nt of inertia (J)	: 0	.2233 sq.ft.lb	
Design		: B						
Output [HP]		5	4	4	4	5	5	5
Poles		2	2	2	2	2	2	2
Frequency [Hz]		60	50	50	50	50	50	50
Rated voltage [V]		230/460	380	400	415	380	400	415
Rated current [A]		11.8/5.90	5.79	5.57	5.43	7.14	6.78	6.61
L. R. Amperes [A]		89.7/44.8	42.8	45.1	48.3	42.1	44.7	47.6
LRC [A]		7.6x(Code J)	7.4x(Code H)	8.1x(Code J)	8.9x(Code K)	5.9x(Code F)	6.6x(Code	7.2x(Code H)
							G)	
No load current [A		4.00/2.00	2.00	2.15	2.25	2.00	2.15	2.25
Rated speed [RPN	1]	3485	2890	2900	2910	2850	2870	2880
Slip [%]		3.19	3.67	3.33	3.00	5.00	4.33	4.00
Rated torque [ft.lb]		7.53	7.27	7.24	7.22	9.21	9.15	9.12
Locked rotor torqu		229	229	270	300	180	210	240
Breakdown torque	[%]	350	320	370	400	250	290	320
Service factor		1.25	1.25	1.25	1.25	1.25	1.25	1.25
Temperature rise		80 K	80 K	80 K	80 K	80 K	80 K	80 K
Locked rotor time		45s (cold)	32s (cold)	32s (cold)	32s (cold)	32s (cold)	32s (cold)	32s (cold)
		25s (hot)	18s (hot)	18s (hot)	18s (hot)	18s (hot)	18s (hot)	18s (hot)
Noise level ²		66.0 dB(A)	62.0 dB(A)	62.0 dB(A)	62.0 dB(A)	62.0 dB(A)	62.0 dB(A)	62.0 dB(A)
	25%	86.1	86.1	85.8	85.6	88.0	88.0	88.0
Efficiency (%)	50%	86.5	86.3	86.3	86.1	87.5	87.5	87.5
Lindicitely (70)	75%	88.5	87.7	88.2	88.2	87.5	88.5	88.5

0.89 0.90 0.88 0.87 Drive end Non drive end Foundation loads

88.3

0.46

0.71

0.83

88.3

0.43

0.68

0.81

6207 ZZ Bearing type 6206 ZZ Max. traction : 138 lb V'Ring V'Ring : 235 lb Sealing Max. compression

87.5

0.49

0.74

0.85

Lubricant amount Lubricant type Mobil Polyrex EM

Notes

Power Factor

Lubrication interval

USABLE @208V 13.1A SF 1.15 SFA 15.0A

100%

25%

50%

75%

100%

88.5

0.51

0.76

0.85

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.

86.5

0.56

0.81

0.88

0.91

87.5

0.53

0.78

0.87

0.90

87.5

0.50

0.76

0.85

0.89

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

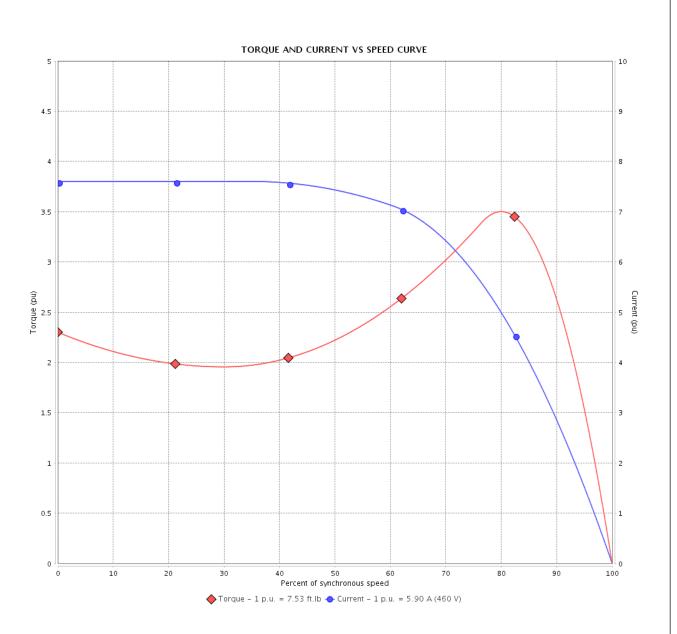
Three Phase Induction Motor - Squirrel Cage



Customer

Product line : NEMA Premium Efficiency Three-Product code: 11442106

Catalog #: 00536ET3E184TC-W22



Performance : 230/460 V 60 Hz 2P Rated current : 11.8/5.90 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	

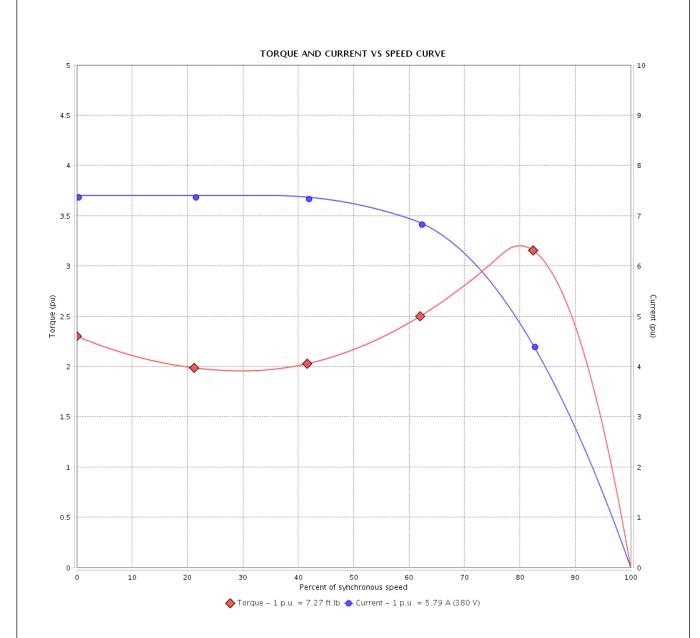
Three Phase Induction Motor - Squirrel Cage



00536ET3E184TC-W22

Customer Product line : NEMA Premium Efficiency Three-Product code: 11442106

Catalog #:



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) Insulation class : F Rated torque : 7.27 ft.lb Locked rotor torque : 229 % Service factor : 1.25 Breakdown torque : 320 % Temperature rise : 80 K : B Rated speed : 2890 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			3 / 36	

Three Phase Induction Motor - Squirrel Cage



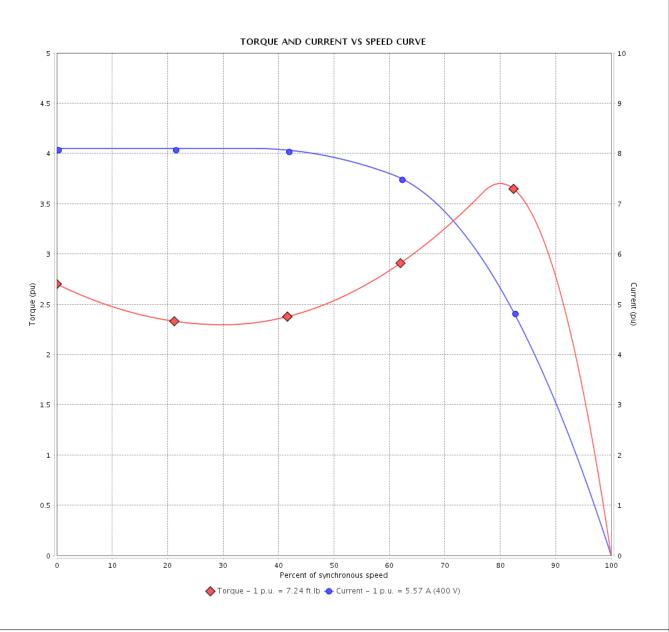
Customer :

Product line : NEMA Premium Efficiency Three-

Phase

Product code: 11442106

Catalog #: 00536ET3E184TC-W22



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

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: 11442106 Catalog #: 00536ET3E184TC-W22 TORQUE AND CURRENT VS SPEED CURVE 4.5 3.5 Torque (pu) Current 0.5 Percent of synchronous speed ◆ Torque - 1 p.u. = 7.22 ft.lb ◆ Current - 1 p.u. = 5.43 A (415 V) 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) Insulation class : F Rated torque : 7.22 ft.lb : 300 % Locked rotor torque Service factor : 1.25 Breakdown torque : 400 % Temperature rise : 80 K Rated speed : 2910 rpm Design : B Locked rotor time : 32s (cold) 18s (hot)

Date Rev. Performed Checked **Changes Summary** Performed by Checked by Revision Page Date 13/04/2022 5/36

Three Phase Induction Motor - Squirrel Cage

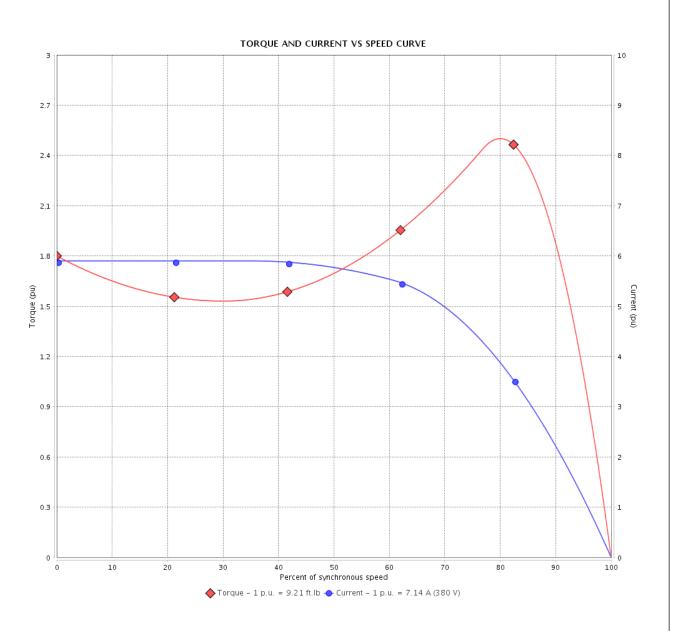


Customer :

Product line : NEMA Premium Efficiency Three- Product code : 11442106

Phase

Catalog #: 00536ET3E184TC-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)
Rated torque	: 9.21 ft.lb	Insulation class	: 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

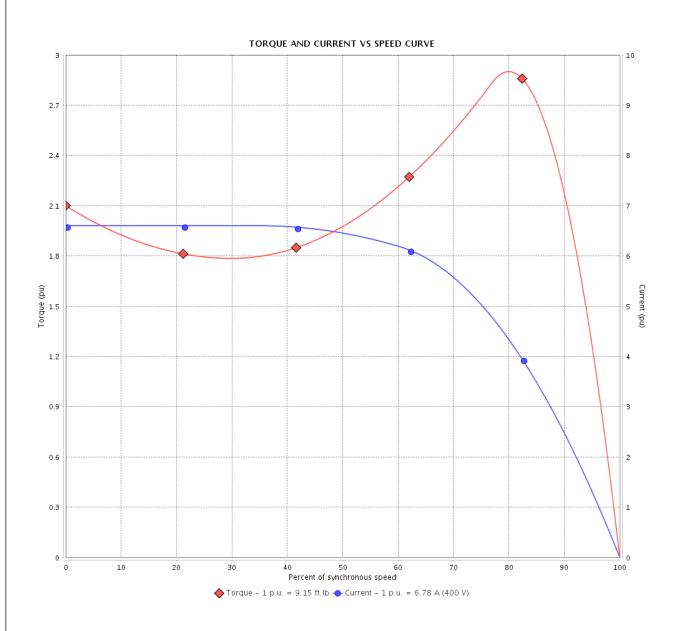


Customer :

Product line : NEMA Premium Efficiency Three- Product code : 11442106

Phase

Catalog #: 00536ET3E184TC-W22



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

Lookou rotor time		20 (0010) 100 (1101)			
Rev.		Changes Summary	Performed	Checked	Date
		1			
Performed by					
Checked by				Page	Revision
Date	13/04/2022	7		7 / 36	

Three Phase Induction Motor - Squirrel Cage



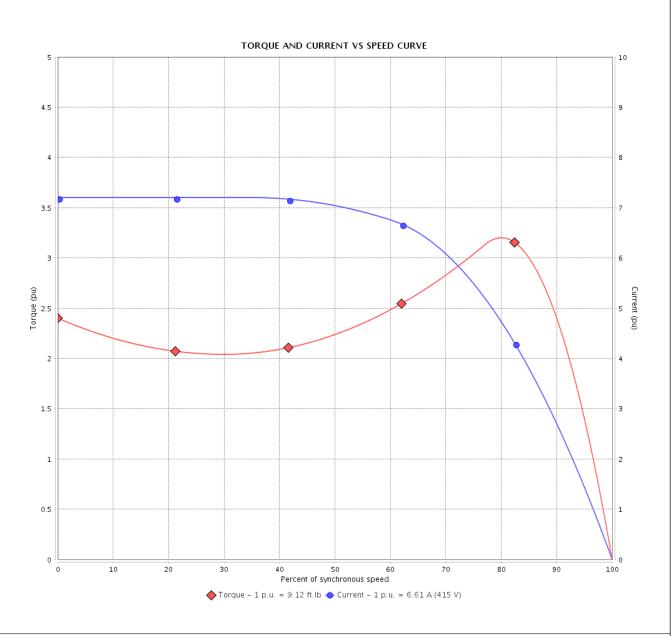
Customer :

Product line : NEMA Premium Efficiency Three- F

Phase

Product code: 11442106

Catalog #: 00536ET3E184TC-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

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

Three Phase Induction Motor - Squirrel Cage

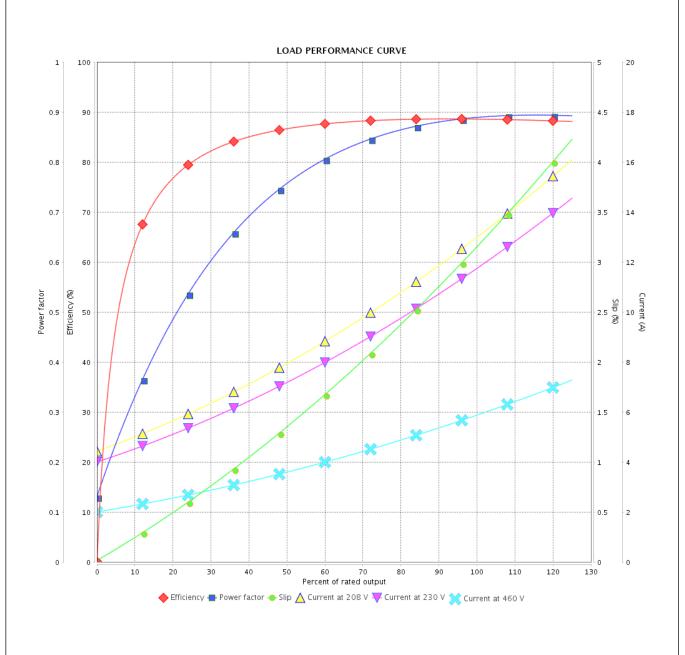


Customer

Product line : NEMA Premium Efficiency Three- Product code : 11442106

Phase

Catalog #: 00536ET3E184TC-W22



Performance	: 2	230/460 V 60 Hz 2P				
Rated current	: '	11.8/5.90 A	Moment o	f inertia (J)	: 0.2233 sq.ft.	lb
LRC	: 7	7.6	Duty cycle	:	: Cont.(S1)	
Rated torque	: 7	7.53 ft.lb	Insulation	class	: F	
Locked rotor torque	e : 2	229 %	Service fa	ctor	: 1.25	
Breakdown torque : 350 %		350 %	Temperature rise		: 80 K	
Rated speed	: 3	3485 rpm	Design		: B	
Rev.		Changes Summary	I	Performed	Checked	Date
Performed by						
Checked by					Page	Revision
Date	13/04/2022				9 / 36	

Three Phase Induction Motor - Squirrel Cage



Customer :

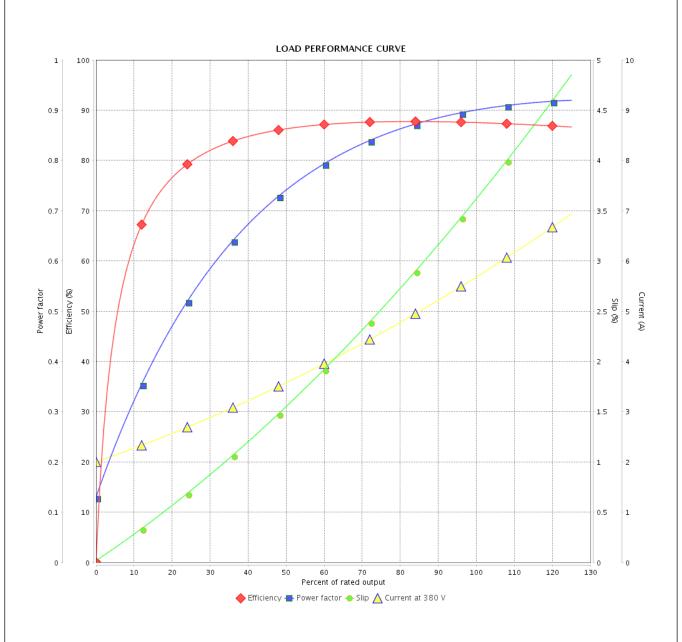
Product line : NEMA Premium Efficiency Three- Product of

Phase

Product code: 11442106

Catalog #: 00536ET3E184TC-W22

10/36



Performance	: 380 V 50 Hz 2P IE3				
Rated current	: 5.79 A	Moment o	f 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 fa	ctor	: 1.25	
Breakdown torque	: 320 %	Temperati	ıre rise	: 80 K	
Rated speed	: 2890 rpm	Design		: B	
Rev.	Changes Summary		Performed	Checked	Date
Performed by					
Checked by				Page	Revision

13/04/2022

Three Phase Induction Motor - Squirrel Cage



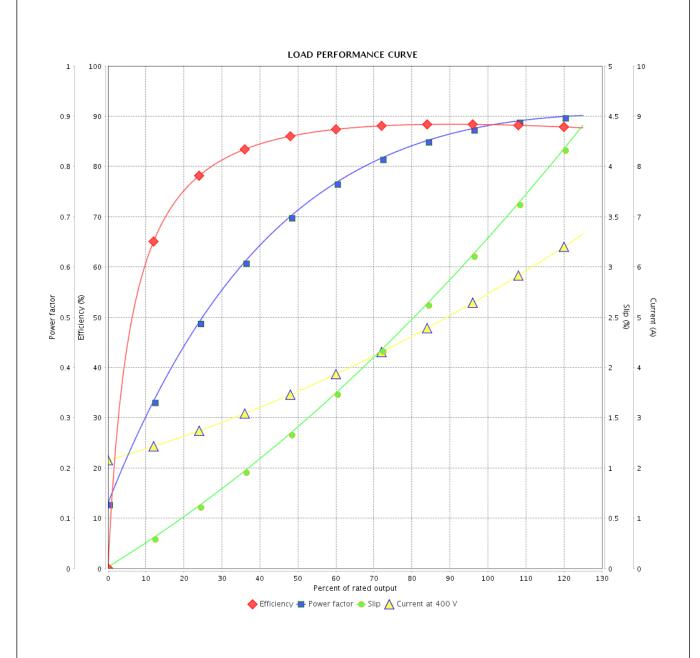
Customer

Product line : NEMA Premium Efficiency Three- Product code : 11442106

Phase

Catalog #: 00536ET3E184TC-W22

11/36



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

13/04/2022

Three Phase Induction Motor - Squirrel Cage



Customer :

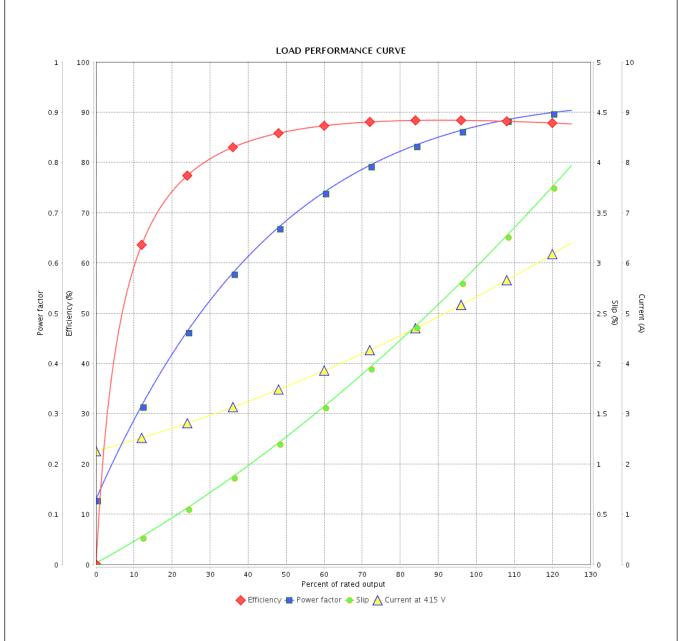
Product line : NEMA Premium Efficiency Three- Product line : NEMA Pr

Phase

Product code: 11442106

Catalog #: 00536ET3E184TC-W22

12/36



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

13/04/2022

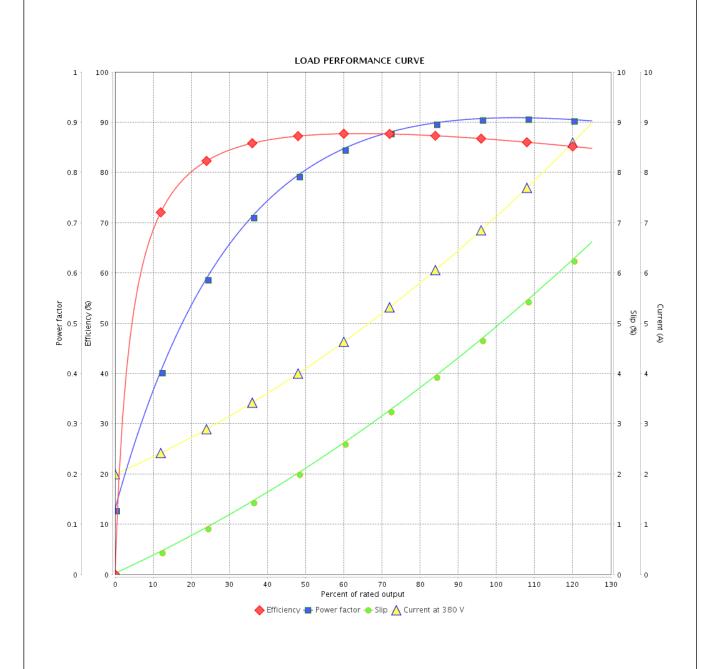
Three Phase Induction Motor - Squirrel Cage



Customer

Product line : NEMA Premium Efficiency Three-Product code: 11442106

Catalog #: 00536ET3E184TC-W22



Performance : 380 V 50 Hz 2P IE2						
Rated current : 7.14 A		Moment o	Moment of inertia (J)		lb	
LRC			}	: Cont.(S1)		
Rated torque	: 9.2°	1 ft.lb	Insulation	class	: F ` ´	
Locked rotor torque	: 180	%	Service fa	ctor	: 1.25	
Breakdown torque	: 250	250 % Temperature rise Design		ıre rise	: 80 K	
Rated speed	: 285			: B		
Rev.	C	changes Summary		Performed	Checked	Date
Performed by						
Checked by					Page	Revision
Date 13	3/04/2022				13 / 36	

Three Phase Induction Motor - Squirrel Cage



Customer :

Checked by

Date

13/04/2022

Product line : NEMA Premium Efficiency Three- Product

Phase

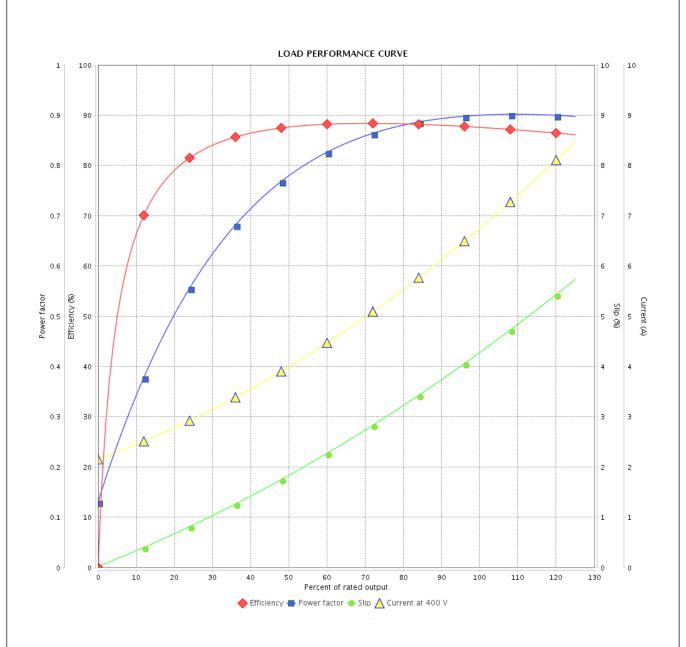
Product code: 11442106

Catalog #: 00536ET3E184TC-W22

Page

14/36

Revision



Performance	: 400 V 50 Hz 2P IE2				
Rated current LRC Rated torque Locked rotor torque Breakdown torque Rated speed	: 6.78 A : 6.6 : 9.15 ft.lb : 210 % : 290 % : 2870 rpm	Moment of Duty cycle Insulation Service fa Temperat Design	class ctor	: 0.2233 sq.ft.ll : Cont.(S1) : F : 1.25 : 80 K : B	0
Rev.	Changes Summary		Performed	Checked	Date
Performed by					

Three Phase Induction Motor - Squirrel Cage

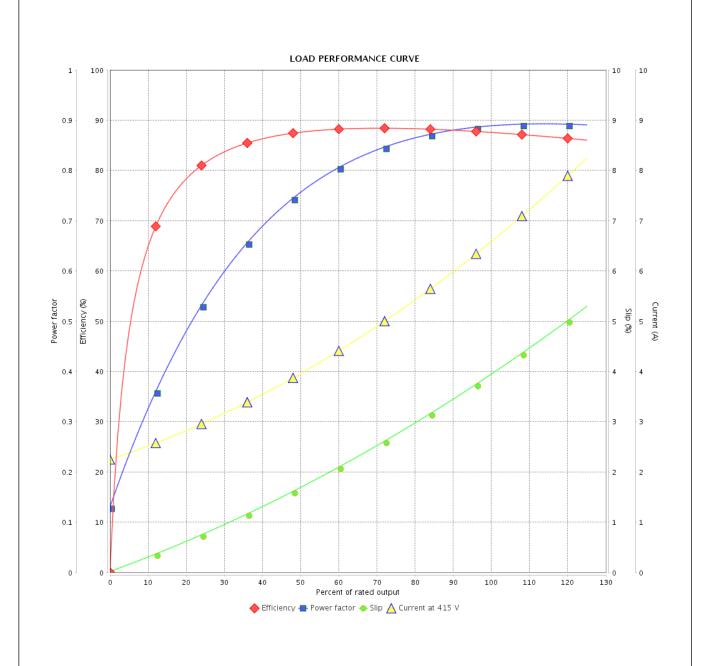


Customer

Product line : NEMA Premium Efficiency Three- Product code : 11442106

Phase

Catalog #: 00536ET3E184TC-W22



Performance	: 4	15 V 50 Hz 2P IE2				
Rated current : 6.61 A		Moment o	Moment of inertia (J)		b	
LRC	: 7	2	Duty cycle	;	: Cont.(S1)	
Rated torque	: 9	.12 ft.lb	Insulation	class	: F	
Locked rotor torque : 2		40 %	Service fa	ctor	: 1.25	
Breakdown torque	: 3	: 320 % Tempera		ıre rise	: 80 K	
Rated speed	: 2	880 rpm	Design		: B	
Rev.		Changes Summary	'	Performed	Checked	Date
Darfarmadhy		1				
Performed by						
Checked by					Page	Revision
Date	13/04/2022	1			15 / 36	

Three Phase Induction Motor - Squirrel Cage

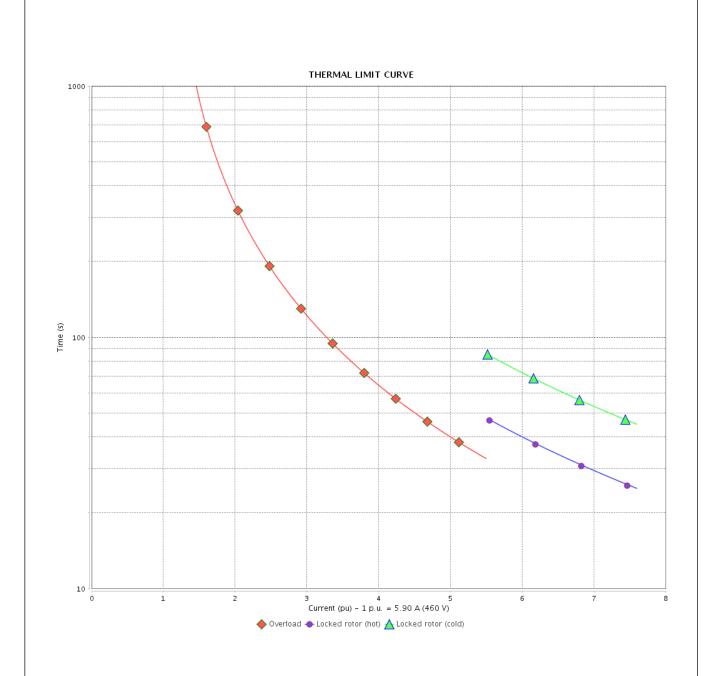


Customer	:			
Product line	: NEMA Premium Efficiency ⁻ Phase	Three- Product code : Catalog # :	11442106 00536ET3E184	1TC-W22
Performance Rated current	: 230/460 V 60 Hz 2P : 11.8/5.90 A	Moment of inertia (J)	: 0.2233 sq.ft.lb	
LRC	: 7.6	Duty cycle	: Cont.(S1)	
Rated torque Locked rotor torque	: 7.53 ft.lb : 229 %	Insulation class Service factor	: F : 1.25	
Breakdown torque	: 350 %	Temperature rise	: 80 K	
Rated speed	: 3485 rpm	Design	: B	
Heating constant				
Cooling constant	Chonges Commercial	Deutennes	Charler	Dete
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

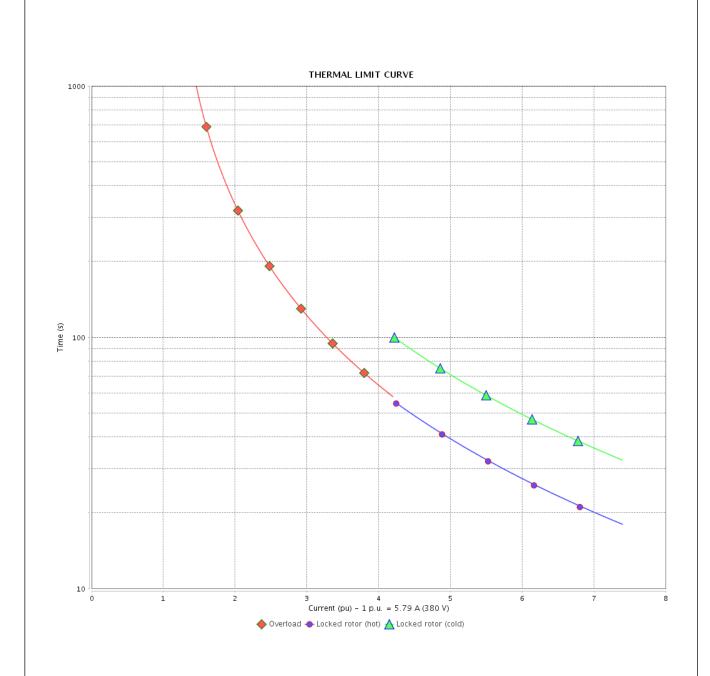


Customer		:				
Product line		: NEMA Premium Efficiency Phase		Product code : Catalog # :	11442106 00536ET3E1	84TC-W22
Performance		: 380 V 50 Hz 2P IE3		· · · · · · · ·	0.0000 %!	
Rated current LRC		: 5.79 A : 7.4	Duty cycle		: 0.2233 sq.ft.l : Cont.(S1)	D
Rated torque Locked rotor tord		: 7.27 ft.lb : 229 %	Insulation Service fa		: F : 1.25	
Breakdown torqu		: 320 %	Temperat		: 80 K	
Rated speed		: 2890 rpm	Design		: B	
Heating constan						
Cooling constant	t	Changes Summan		Performed	Checked	Data
KeV.		Changes Summary		renormed	Спескеа	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	1		19 / 36	

Three Phase Induction Motor - Squirrel Cage

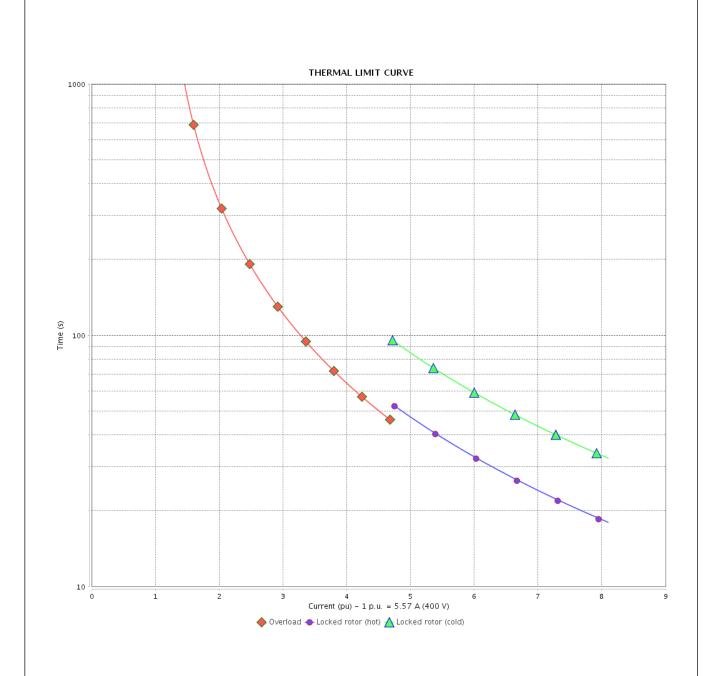


Customer		:				
Product line		: NEMA Premium Efficiency Phase		Product code : Catalog # :	11442106 00536ET3E1	84TC-W22
Performance		: 400 V 50 Hz 2P IE3				
Rated current LRC		: 5.57 A : 8.1	Moment of	of inertia (J)	: 0.2233 sq.ft.l : Cont.(S1)	b
Rated torque		: 7.24 ft.lb	Insulation	class	: F	
Locked rotor tord Breakdown torqu	ue	: 270 % : 370 %	Service fa Temperat		: 1.25 : 80 K	
Rated speed		: 2900 rpm	Design		: B	
Heating constan						
Cooling constant	t	Changes Summary		Performed	Checked	Date
1,00		Thanges Cummary		1 Onomica	Onconou	Date
Performed by						
Checked by					Page	Revision
Date	13/04/2022				20 / 36	

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

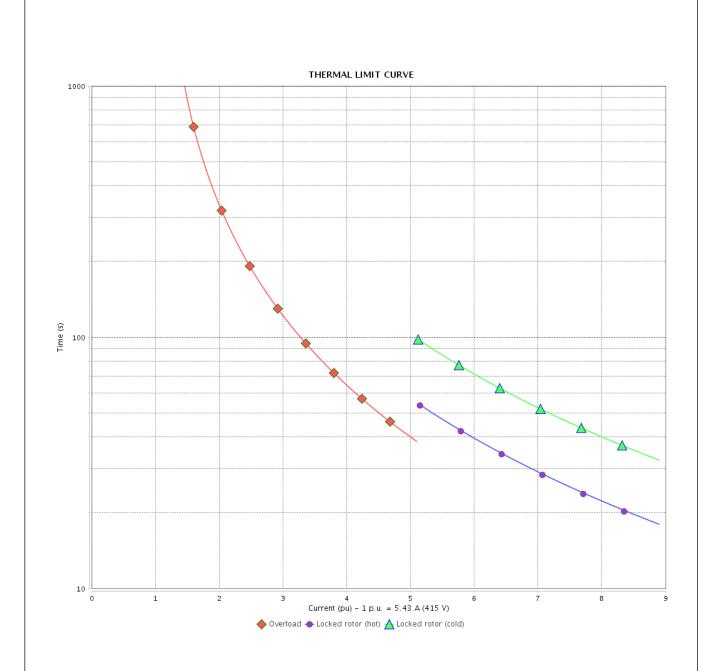


Customer	:				
Product line	: NEMA Premium Efficiency	Three-	Product code :	11442106	
	Phase		Catalog # :	00536ET3E1	84TC-W22
Performance	: 415 V 50 Hz 2P IE3				
Rated current	: 5.43 A	Moment o	f inertia (J)	: 0.2233 sq.ft.l	b
LRC Rated torque	: 8.9 : 7.22 ft.lb	Duty cycle Insulation	e class	: Cont.(S1) : F	
Locked rotor torque	: 300 %	Service fa	ctor	: 1.25	
Breakdown torque Rated speed	: 400 % : 2910 rpm	Temperatu Design	ure rise	: 80 K : B	
	. 2010 19111	2001911		. <u> </u>	
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			23 / 36	

Three Phase Induction Motor - Squirrel Cage

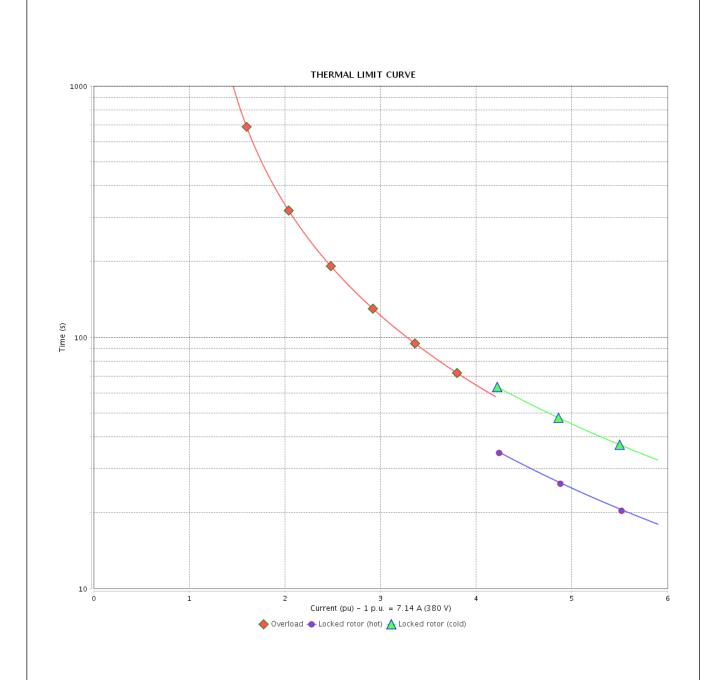


Customer		:				
Product line		: NEMA Premium Efficiency Phase		Product code : Catalog # :	11442106 00536ET3E1	84TC-W22
Performance		: 380 V 50 Hz 2P IE2	N 4	. f : ()	0.0000 81	
Rated current LRC		: 7.14 A : 5.9	Duty cycle		: 0.2233 sq.ft.l : Cont.(S1)	D
Rated torque Locked rotor tord		: 9.21 ft.lb : 180 %	Insulation Service fa		: F : 1.25	
Breakdown torqu		: 180 % : 250 %	Temperat		: 1.25 : 80 K	
Rated speed		: 2850 rpm	Design		: B	
Heating constan						
Cooling constan	l .	Changes Cummen		Dorformed	Chaolad	Data
Rev.		Changes Summary		Performed	Checked	Date
Performed by						
Checked by					Page	Revision
Date	13/04/2022				24 / 36	

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

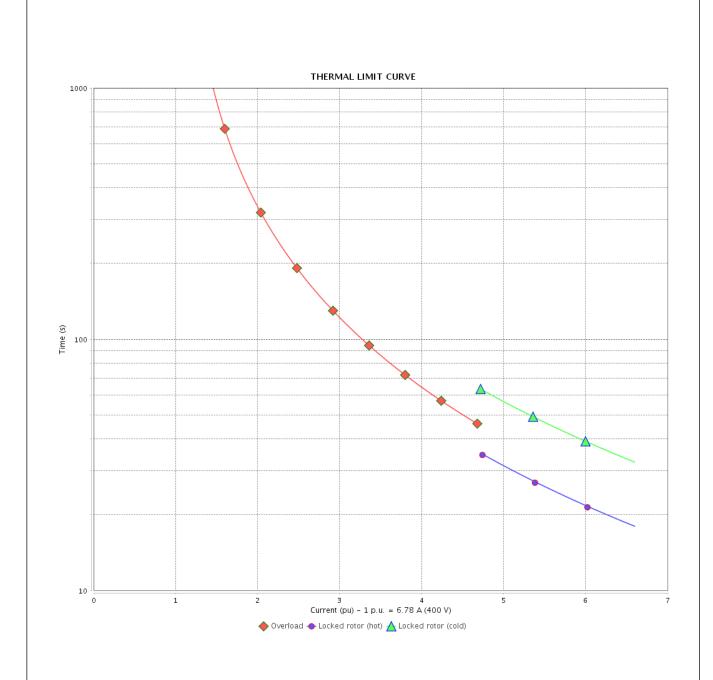


Customer	:				
Product line	: NEMA Premium Efficiency Phase	Three-	Product code :	11442106	
	· nace		Catalog # :	00536ET3E1	84TC-W22
Performance	: 400 V 50 Hz 2P IE2				
Rated current	: 6.78 A		f inertia (J)	: 0.2233 sq.ft.l	b
LRC Rated torque	: 6.6 : 9.15 ft.lb	Duty cycle Insulation		: Cont.(S1) : F	
Locked rotor torqu	e : 210 %	Service fa	ctor	: 1.25	
Breakdown torque		Temperati	ure rise	: 80 K : B	
Rated speed	: 2870 rpm	Design		. Б	
Heating constant					
Cooling constant Rev.	Changes Summary		Performed	Checked	Date
	Changes Summary			20004	24.0
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

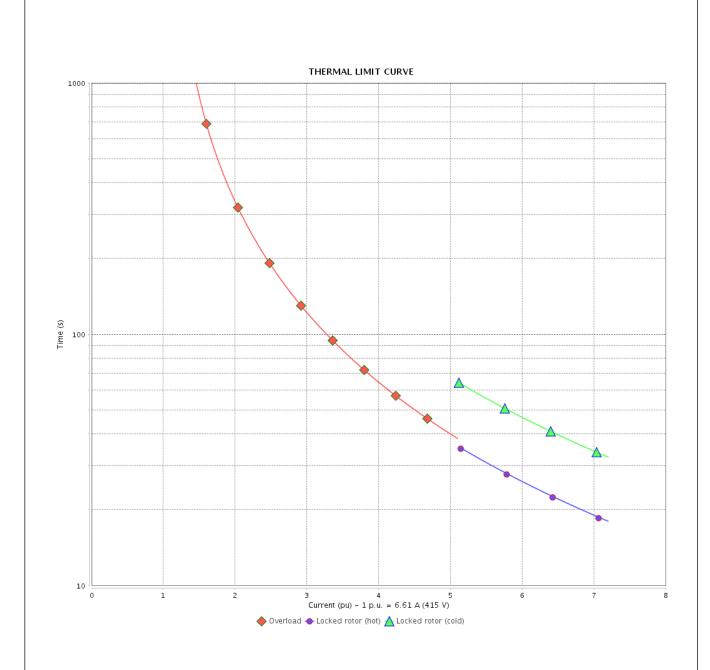


Customer	:			
Product line	: NEMA Premium Efficiency ⁻ Phase	Three- Product code : Catalog # :	11442106 00536ET3E18	4TC-W22
Performance	: 415 V 50 Hz 2P IE2			
Rated current	: 6.61 A	Moment of inertia (J)	: 0.2233 sq.ft.lb	
LRC Rated torque	: 7.2 : 9.12 ft.lb	Duty cycle Insulation class	: Cont.(S1) : F	
Locked rotor torque	: 240 %	Service factor	: 1.25	
Breakdown torque Rated speed	: 320 % : 2880 rpm	Temperature rise Design	: 80 K : B	
Heating constant	r			
Cooling constant				
Rev.	Changes Summary	Performed	Checked	Date
Dorformed by				
Performed by Checked by			Page	Revision
	4/2022		28 / 36	ROVISION

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

Phase

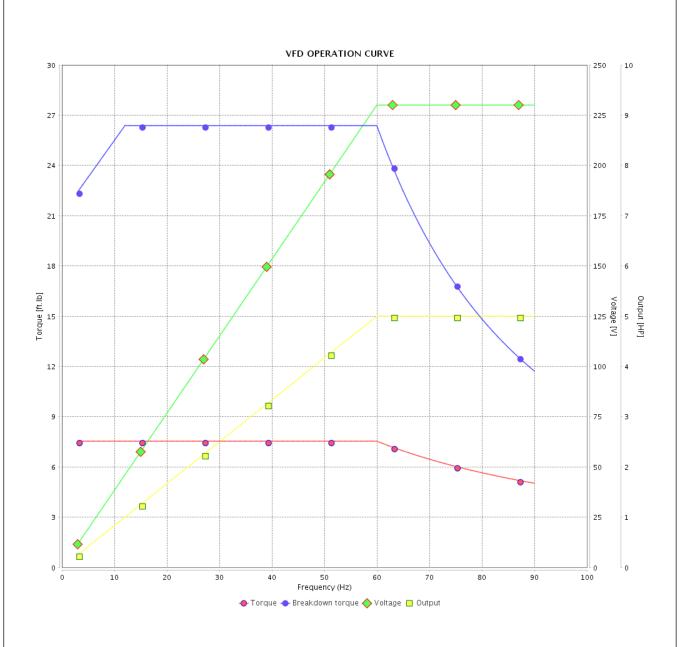
Product code: 11442106

Catalog #: 00536ET3E184TC-W22

Page

30 / 36

Revision



Performance	: 23	30/460 V 60 Hz 2P				
Rated current LRC Rated torque Locked rotor tord Breakdown torqu Rated speed	: 7. : 7. ue : 22 se : 38	1.8/5.90 A .6 .53 ft.lb 29 % 50 % 485 rpm	Moment of Duty cycle Insulation Service fa Temperate Design	class actor	: 0.2233 sq.ft.I : Cont.(S1) : F : 1.25 : 80 K : B	b
Rev.		Changes Summary		Performed	Checked	Date
Performed by						

Three Phase Induction Motor - Squirrel Cage

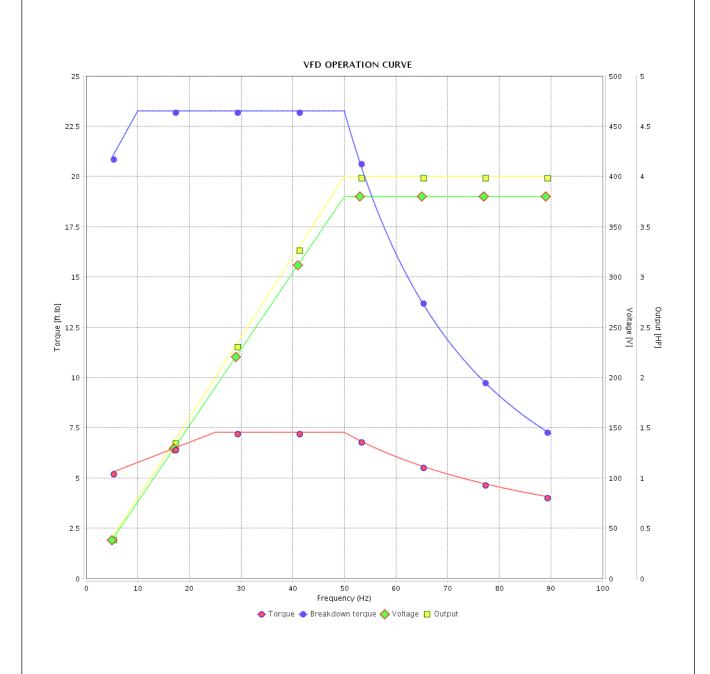


Customer

Product line : NEMA Premium Efficiency Three- Product code : 11442106

Phase

Catalog #: 00536ET3E184TC-W22



Performance	:	380 V 50 Hz 2P IE3				
Rated current	: 5.79 A Moment of inertia (J) : 0.2233		: 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	e :	229 %	Service fa	ctor	: 1.25	
Breakdown torque	:	320 %	Temperati	ıre rise	: 80 K	
Rated speed	:	2890 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 :

Date

13/04/2022

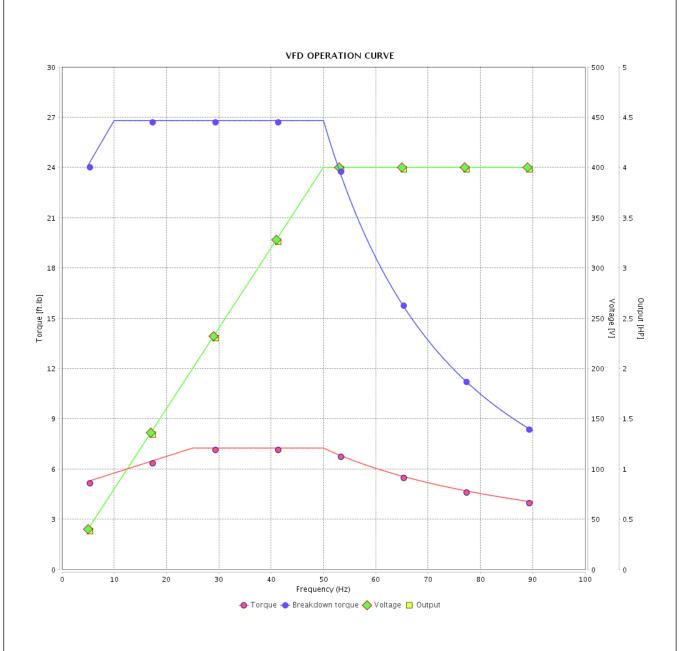
Product line : NEMA Premium Efficiency Three-

Phase

Product code: 11442106

Catalog #: 00536ET3E184TC-W22

32 / 36



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 Rated torque : 7.24 ft.lb : F 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 Page Checked by Revision

Three Phase Induction Motor - Squirrel Cage

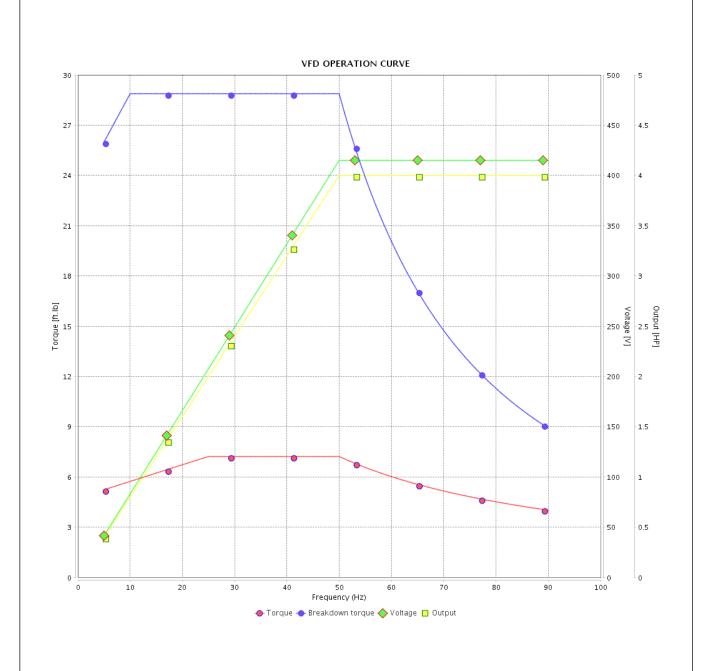


Customer

Product line : NEMA Premium Efficiency Three- Product code : 11442106

Phase

Catalog #: 00536ET3E184TC-W22



Performance	: 4	115 V 50 Hz 2P IE3				
Rated current	: 5	: 5.43 A Mom		f inertia (J)	: 0.2233 sq.ft.lb)
LRC	: 8	3.9	Duty cycle	;	: Cont.(S1)	
Rated torque	: 7	7.22 ft.lb	Insulation	class	: F	
Locked rotor torque	e :3	300 %	Service fa	ctor	: 1.25	
Breakdown torque	: 4	100 %	Temperature rise		: 80 K	
Rated speed	: 2	2910 rpm	Design		: B	
Rev.		Changes Summary	<u>'</u>	Performed	Checked	Date
Performed by						
Checked by					Page	Revision
Date	13/04/2022				33 / 36	

Three Phase Induction Motor - Squirrel Cage



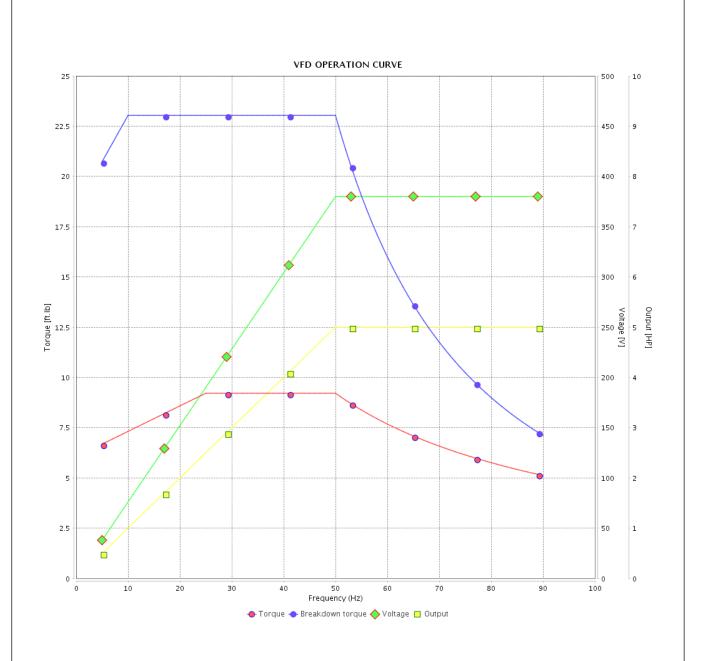
Customer :

Product line : NEMA Premium Efficiency Three- Product code :

Phase

Catalog #: 00536ET3E184TC-W22

11442106



Performance	: 3	80 V 50 Hz 2P IE2				
Rated current	: 7	: 7.14 A		Moment of inertia (J)		.lb
LRC	: 5	.9	Duty cycle	;	: Cont.(S1)	
Rated torque	: 9	.21 ft.lb	Insulation	class	: F	
Locked rotor torqu	ue : 1	80 %	Service fa	ctor	: 1.25	
Breakdown torque	e : 2	50 %	Temperature rise		: 80 K	
Rated speed	: 2	850 rpm	Design		: B	
Rev.		Changes Summary	<u> </u>	Performed	Checked	Date
Performed by						
Checked by		1			Page	Revision
Date	13/04/2022	1			34 / 36	

Three Phase Induction Motor - Squirrel Cage



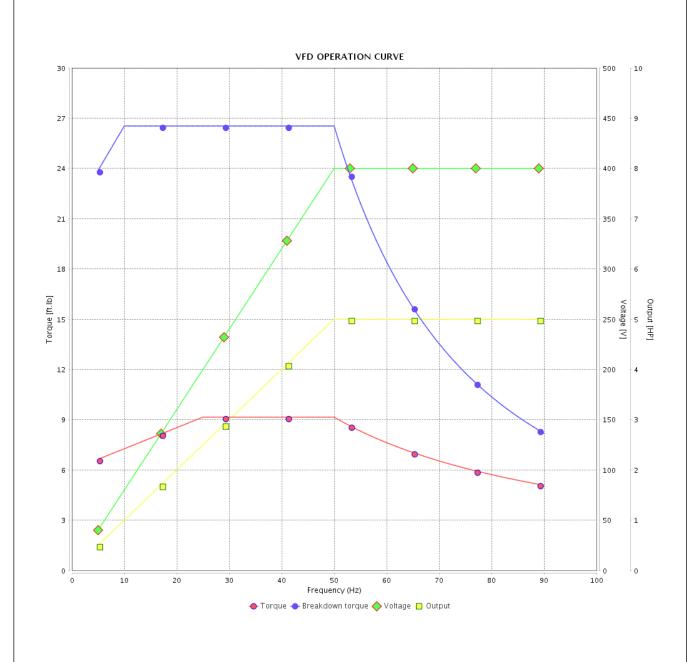
Customer

Product line : NEMA Premium Efficiency Three- Product code : 11442106

Phase

Catalog #: 00536ET3E184TC-W22

35 / 36



Performance	: 400 V 50 Hz 2P IE2				
Rated current LRC Rated torque Locked rotor torque Breakdown torque Rated speed	: 6.78 A : 6.6 : 9.15 ft.lb : 210 % : 290 % : 2870 rpm	Moment of in Duty cycle Insulation cl Service factor Temperature Design	ass or	: 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

Three Phase Induction Motor - Squirrel Cage



Customer :

Checked by

Date

Product line : NEMA Premium Efficiency Three-

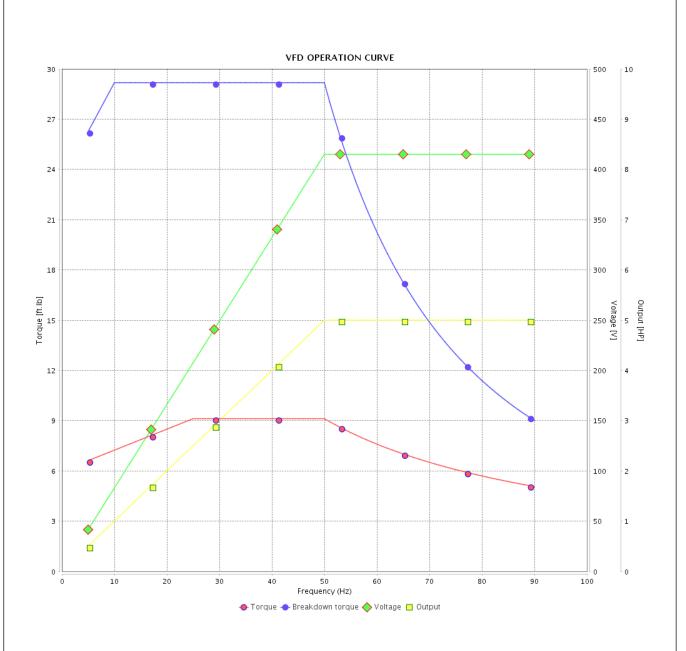
Phase

Product code: 11442106

Catalog #: 00536ET3E184TC-W22

Page

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 Rated torque : F 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

