DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer

Product line : NEMA Premium Efficiency Three-Product code: 12821762

01036ET3ER215TC-W22 Catalog #:

Frame : 215TC Cooling method : IC411 - TEFC

Insulation class Mounting : W-6

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

: -20°C to +40°C Starting method Ambient temperature : Direct On Line Altitude · 1000 m a s l · 161 lb Approx. weight3

Aititude		: 1000 m.a.	S.I.	Approx	k. weignt ^s	: 1	OT ID	
Protection degree	е	: IP55		Momer	nt of inertia (J)	: 0	.6362 sq.ft.lb	
Design		: B						
Output [HP]		10	7.5	7.5	7.5	10	10	10
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]		23.2/11.6	10.4	10.1	9.91	14.1	13.4	13.1
L. R. Amperes [A]		167/83.5	77.0	84.8	90.2	79.0	85.8	90.4
LRC [A]		7.2x(Code H)	7.4x(Code H)	8.4x(Code J)	9.1x(Code K)	5.6x(Code F)	6.4x(Code	6.9x(Code H
							G)	
No load current [A]]	6.80/3.40	3.40	3.70	3.90	3.40	3.70	3.90
Rated speed [RPM	/ []	3510	2925	2935	2940	2870	2890	2900
Slip [%]		2.50	2.50	2.17	2.00	4.33	3.67	3.33
Rated torque [ft.lb]		15.0	13.5	13.4	13.4	18.3	18.2	18.1
Locked rotor torqu	e [%]	220	240	270	290	170	200	220
Breakdown torque	[%]	290	300	340	360	220	250	270
Service factor		1.25	1.25	1.25	1.25	1.00	1.00	1.00
Temperature rise		80 K	80 K	80 K	80 K	105 K	105 K	105 K
Locked rotor time		43s (cold)	32s (cold)	32s (cold)	32s (cold)	32s (cold)	32s (cold)	32s (cold)
		24s (hot)	18s (hot)	18s (hot)	18s (hot)	18s (hot)	18s (hot)	18s (hot)
Noise level ²		68.0 dB(A)	63.0 dB(A)	63.0 dB(A)	63.0 dB(A)	63.0 dB(A)	63.0 dB(A)	63.0 dB(A)
	25%	89.3	88.4	88.2	87.2	90.1	90.1	90.2
Efficiency (%)	50%	89.5	88.6	88.4	87.7	89.5	89.5	89.5
Efficiency (70)	75%	90.2	89.6	89.6	89.5	89.5	89.5	89.5
	100%	90.2	89.5	89.5	89.8	88.5	88.5	88.5
	25%	0.54	0.51	0.47	0.45	0.60	0.56	0.54
50%		0.79	0.75	0.72	0.70	0.83	0.81	0.79
Power Factor	75%	0.87	0.86	0.83	0.82	0.90	0.88	0.87
	100%	0.90	0.90	0.88	0.86	0.91	0.91	0.90

Drive end Non drive end Foundation loads

Bearing type 6308 ZZ 6207 ZZ Max. traction : 195 lb Sealing V'Ring V'Ring : 356 lb Max. compression

Lubricant amount

Lubricant type Mobil Polyrex EM

Notes

Lubrication interval

USABLE @208V 25.7A SF 1.15 SFA 29.5A

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	12/04/2022			1 / 36	

Three Phase Induction Motor - Squirrel Cage

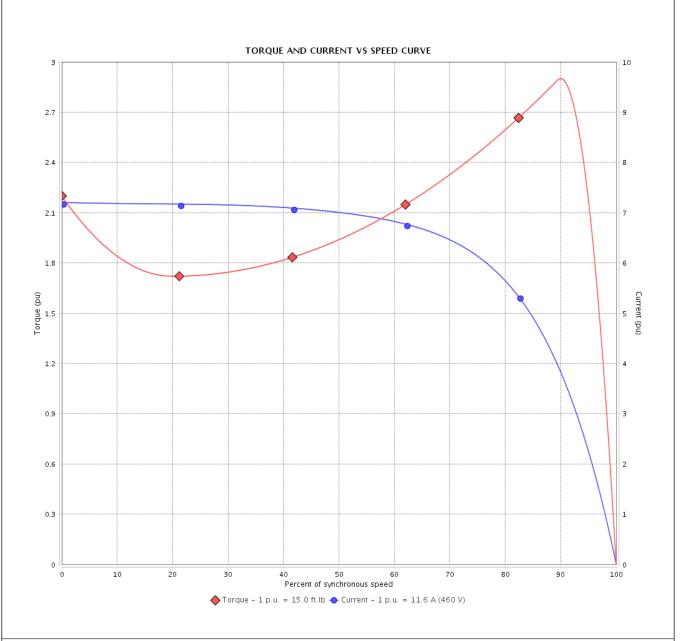


Customer :

Product line : NEMA Premium Efficiency Three- Product code : 12821762

Phase

Catalog #: 01036ET3ER215TC-W22



Performance : 230/460 V 60 Hz 2P Rated current : 23.2/11.6 A Moment of inertia (J) : 0.6362 sq.ft.lb **LRC** : 7.2 Duty cycle : Cont.(S1) Insulation class Rated torque : 15.0 ft.lb : F Locked rotor torque : 220 % Service factor : 1.25 Breakdown torque : 290 % Temperature rise : 80 K Rated speed : 3510 rpm Design : B

Locked rotor time : 43s (cold) 24s (hot)

Rev.		Changes Summary	Performed	Checked	Date
Performed by					
Checked by				Page	Revision
Date	12/04/2022			2 / 36	



Revision

Page

Three Phase Induction Motor - Squirrel Cage Customer Product line : NEMA Premium Efficiency Three-Product code: 12821762 Catalog #: 01036ET3ER215TC-W22 TORQUE AND CURRENT VS SPEED CURVE 2.7 2.1 1.8 Current Torque (pu) 1.2 0.6 0.3 Percent of synchronous speed ◆ Torque - 1 p.u. = 13.5 ft.lb ◆ Current - 1 p.u. = 10.4 A (380 V) Performance : 380 V 50 Hz 2P IE3 Rated current : 10.4 A Moment of inertia (J) : 0.6362 sq.ft.lb **LRC** : 7.4 Duty cycle : Cont.(S1) : 13.5 ft.lb Insulation class : F Rated torque Locked rotor torque : 240 % Service factor : 1.25 Breakdown torque : 300 % Temperature rise : 80 K Rated speed : 2925 rpm Design : B Locked rotor time : 32s (cold) 18s (hot) Rev. Performed Checked Date **Changes Summary**

Date 12/04/2022 3/36 This document is exclusive property of WEG S/A. Reprinting is not allowed without written authorization of WEG S/A. Subject to change without notice

Performed by Checked by

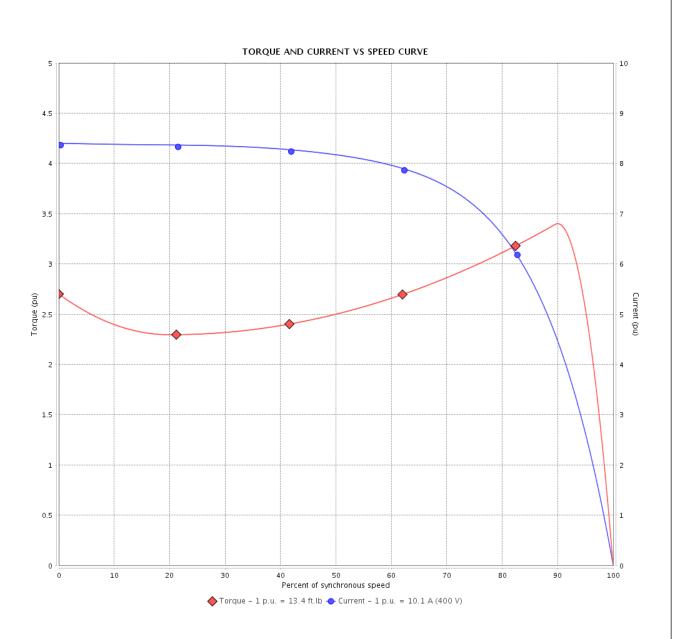
Three Phase Induction Motor - Squirrel Cage



Customer

Product line : NEMA Premium Efficiency Three-Product code: 12821762

Catalog #: 01036ET3ER215TC-W22



Performance : 400 V 50 Hz 2P IE3 Rated current : 10.1 A Moment of inertia (J) : 0.6362 sq.ft.lb **LRC** : 8.4 Duty cycle : Cont.(S1) : 13.4 ft.lb Insulation class Rated torque : F Locked rotor torque : 270 % Service factor : 1.25 Breakdown torque : 340 % Temperature rise : 80 K Rated speed : 2935 rpm Design : B Locked rotor time

: 32s (cold) 18s (hot)

Rev.		Changes Summary	Performed	Checked	Date
Performed by					
Checked by				Page	Revision
Date	12/04/2022			4 / 36	



Revision

Page

5/36

Three Phase Induction Motor - Squirrel Cage Customer Product line : NEMA Premium Efficiency Three-Product code: 12821762 Catalog #: 01036ET3ER215TC-W22 TORQUE AND CURRENT VS SPEED CURVE 4.5 3.5 Torque (pu) Current 0.5 Percent of synchronous speed ◆ Torque - 1 p.u. = 13.4 ft.lb ◆ Current - 1 p.u. = 9.91 A (415 V) Performance : 415 V 50 Hz 2P IE3 Rated current : 9.91 A Moment of inertia (J) : 0.6362 sq.ft.lb **LRC** : 9.1 Duty cycle : Cont.(S1) Insulation class : F Rated torque : 13.4 ft.lb : 290 % Locked rotor torque Service factor : 1.25 Breakdown torque : 360 % Temperature rise : 80 K Rated speed : 2940 rpm Design : B Locked rotor time : 32s (cold) 18s (hot) Date Rev. Performed Checked **Changes Summary** Performed by

Checked by

Date

12/04/2022

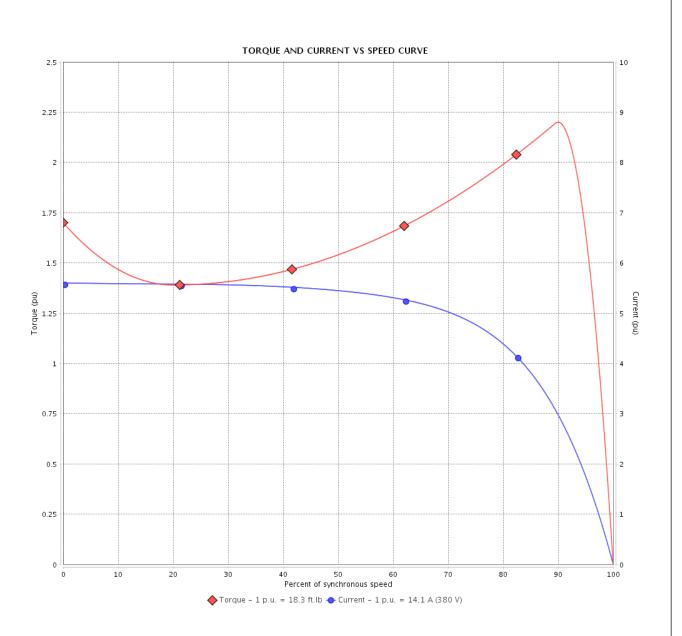
Three Phase Induction Motor - Squirrel Cage



Customer

Product line : NEMA Premium Efficiency Three-Product code: 12821762

Catalog #: 01036ET3ER215TC-W22



Performance : 380 V 50 Hz 2P IE2 Rated current : 14.1 A Moment of inertia (J) : 0.6362 sq.ft.lb **LRC** : 5.6 Duty cycle : Cont.(S1) Insulation class Rated torque : 18.3 ft.lb : F Locked rotor torque : 170 % Service factor : 1.00 Breakdown torque : 220 % Temperature rise : 105 K Rated speed : 2870 rpm Design : B Locked rotor time

: 32s (cold) 18s (hot)

Rev.		Changes Summary	Performed	Checked	Date
Performed by					
Checked by				Page	Revision
Date	12/04/2022			6 / 36	



Revision

Page 7 / 36

Three Phase Induction Motor - Squirrel Cage Customer Product line : NEMA Premium Efficiency Three-Product code: 12821762 Catalog #: 01036ET3ER215TC-W22 TORQUE AND CURRENT VS SPEED CURVE 2.7 2.1 1.8 Current Torque (pu) 1.2 0.6 0.3 Percent of synchronous speed ◆ Torque - 1 p.u. = 18.2 ft.lb ◆ Current - 1 p.u. = 13.4 A (400 V) Performance : 400 V 50 Hz 2P IE2 Rated current : 13.4 A Moment of inertia (J) : 0.6362 sq.ft.lb **LRC** : 6.4 Duty cycle : Cont.(S1) : 18.2 ft.lb Insulation class : F Rated torque Locked rotor torque : 200 % Service factor : 1.00 : 105 K Breakdown torque : 250 % Temperature rise Rated speed : 2890 rpm Design : B Locked rotor time : 32s (cold) 18s (hot) Rev. Performed Checked Date **Changes Summary** Performed by

Checked by

Date

12/04/2022

Three Phase Induction Motor - Squirrel Cage

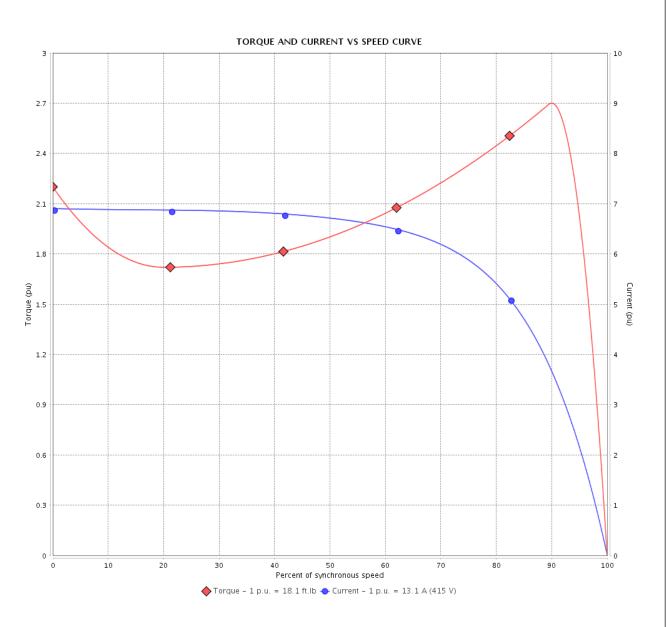


Customer :

Product line : NEMA Premium Efficiency Three- Product code : 12821762

Phase

Catalog #: 01036ET3ER215TC-W22



415 V 50 Hz 2P IE2		
13.1 A	Moment of inertia (J)	: 0.6362 sq.ft.lb
	, ,	: Cont.(S1)
		: F
220 %	Service factor	: 1.00
270 %	Temperature rise	: 105 K
2900 rpm	Design	: B
32s (sold) 18s (bot)		
	13.1 A 3.9 18.1 ft.lb 220 % 270 %	Moment of inertia (J) Duty cycle Insulation class Service factor Temperature rise Design

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

Rev.		Changes Summary	Performed	Checked	Date
Performed by					
Checked by				Page	Revision
Date	12/04/2022			8 / 36	

Three Phase Induction Motor - Squirrel Cage



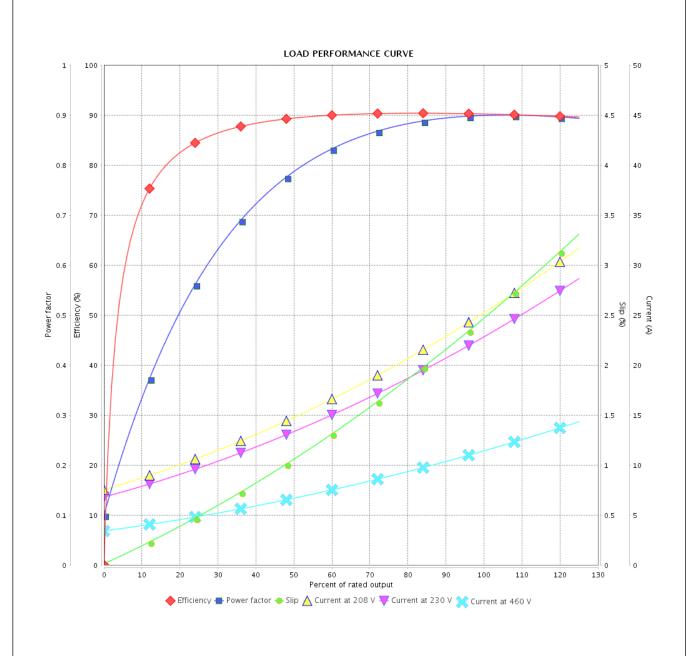
Customer

Product line : NEMA Premium Efficiency Three- Product code : 12821762

Phase

Catalog #: 01036ET3ER215TC-W22

9/36



Performance	: 230/460 V 60 Hz 2P				
Rated current LRC Rated torque Locked rotor torque Breakdown torque Rated speed	: 23.2/11.6 A : 7.2 : 15.0 ft.lb : 220 % : 290 % : 3510 rpm	Moment of inertia (J) Duty cycle Insulation class Service factor Temperature rise Design		: 0.6362 sq.ft. : Cont.(S1) : F : 1.25 : 80 K : B	lb
Rev.	Changes Summary		Performed	Checked	Date
Performed by					
Checked by				Page	Revision

12/04/2022

Date

Three Phase Induction Motor - Squirrel Cage



Customer :

Checked by

Date

12/04/2022

Product line : NEMA Premium Efficiency Three-

Phase

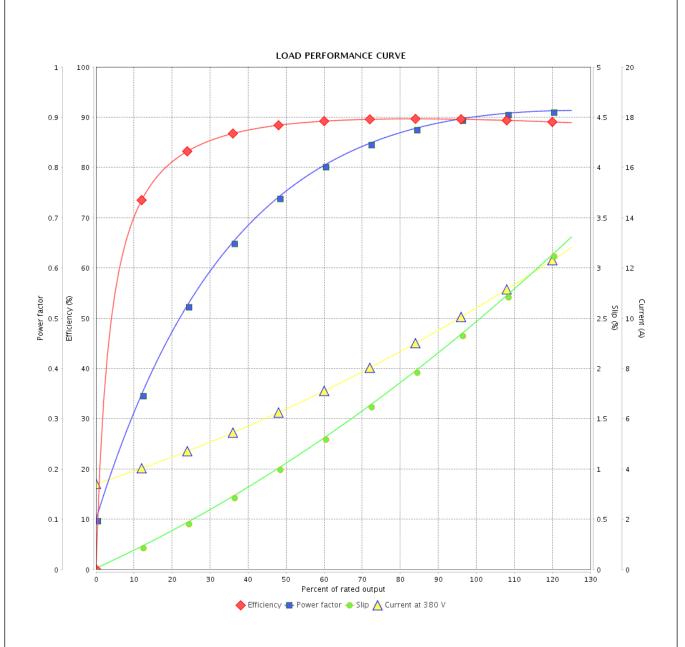
Product code: 12821762

Catalog #: 01036ET3ER215TC-W22

Page

10/36

Revision



Performance		: 380 V 50 H	Iz 2P IE3				
Rated current LRC Rated torque Locked rotor tord Breakdown torqu Rated speed	•	: 10.4 A : 7.4 : 13.5 ft.lb : 240 % : 300 % : 2925 rpm		Moment of Duty cycle Insulation Service fa Temperature	class ctor	: 0.6362 sq.ft. : Cont.(S1) : F : 1.25 : 80 K : B	lb
Rev.		Changes	Summary		Performed	Checked	Date
Performed by							

Three Phase Induction Motor - Squirrel Cage

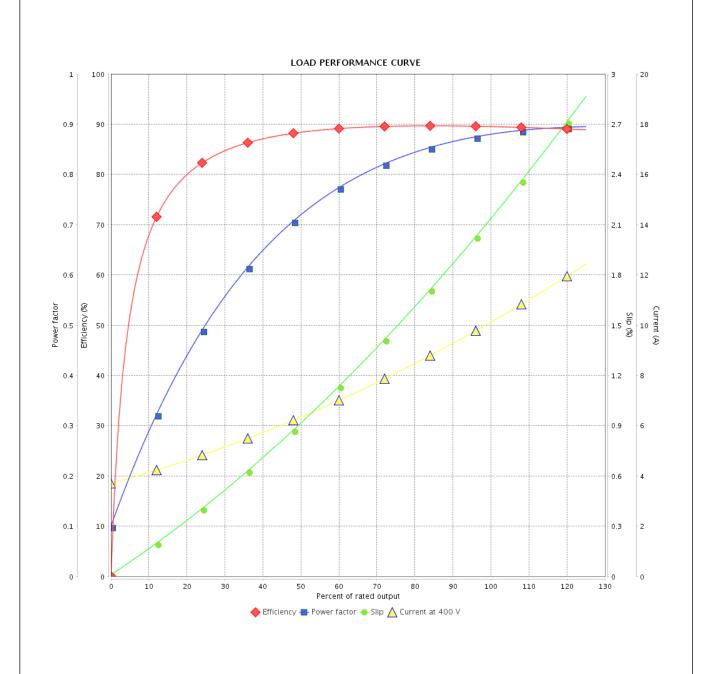


Customer

Product line : NEMA Premium Efficiency Three- Product code : 12821762

Phase

Catalog #: 01036ET3ER215TC-W22



Performance	: 4	00 V 50 Hz 2P IE3				
Rated current	: 1	: 10.1 A		Moment of inertia (J)		.lb
LRC	: 8	.4	Duty cycle)	: Cont.(S1)	
Rated torque	: 1	3.4 ft.lb	Insulation	class	: F	
Locked rotor torqu	ue : 2	70 %	Service fa	ctor	: 1.25	
Breakdown torque		40 %) % Temperature rise		: 80 K	
Rated speed	: 2	935 rpm	35 rpm Design		: B	
Rev.		Changes Summary		Performed	Checked	Date
Performed by						
Checked by		-			Page	Revision
Date	12/04/2022	1			11 / 36	

Three Phase Induction Motor - Squirrel Cage



Customer :

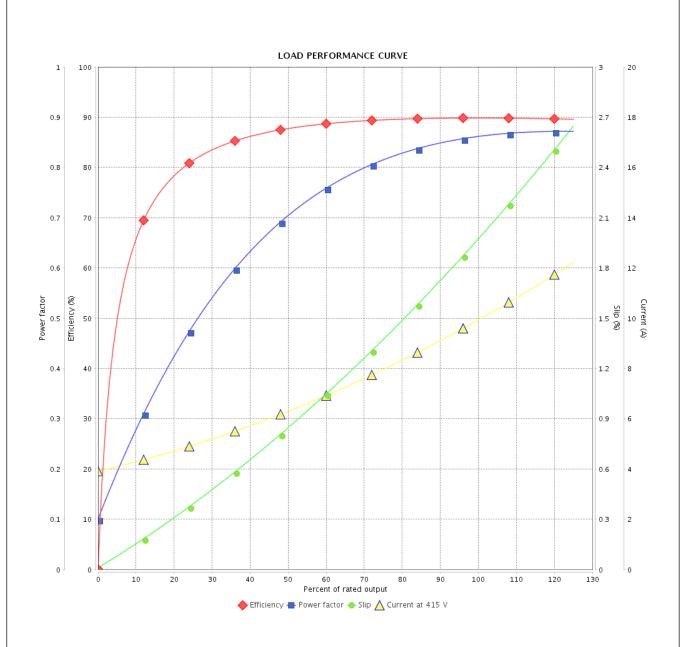
Product line : NEMA Premium Efficiency Three-

Phase

Product code: 12821762

Catalog #: 01036ET3ER215TC-W22

12/36



Performance	: 415 V 50 Hz 2P IE3				
Rated current	1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2		inertia (J)	: 0.6362 sq.ft.lb	
LRC	: 9.1	Duty cycle		: Cont.(S1)	
Rated torque	: 13.4 ft.lb	Insulation of	lass	: F	
Locked rotor torque	: 290 %	Service fac	tor	: 1.25	
Breakdown torque	: 360 %	Temperature rise		: 80 K	
Rated speed	: 2940 rpm	Design		: B	
Rev.	Changes Summary		Performed	Checked	Date
D (11					
Performed by					
Checked by				Page	Revision

12/04/2022

Date

Three Phase Induction Motor - Squirrel Cage

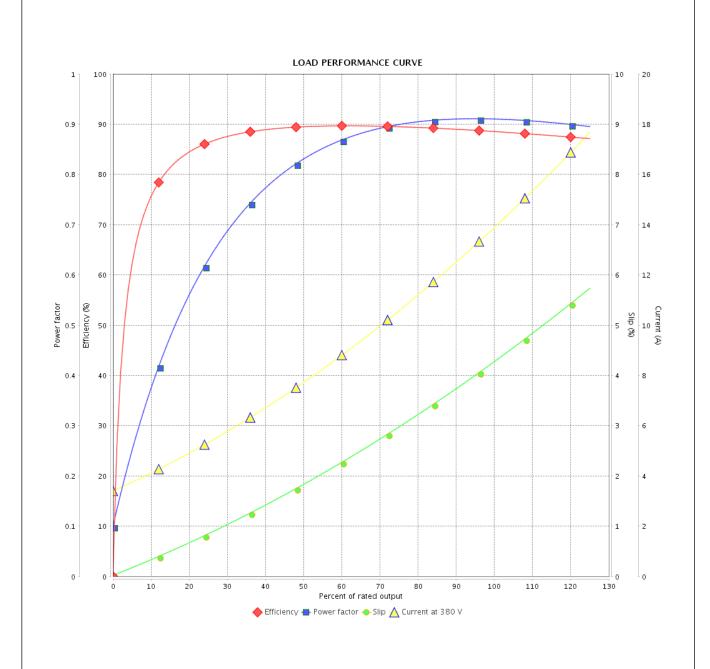


Customer

Product line : NEMA Premium Efficiency Three- Product code : 12821762

Phase

Catalog #: 01036ET3ER215TC-W22



Performance	::	380 V 50 Hz 2P IE2				
Rated current	:	: 14.1 A Momen		f inertia (J)	: 0.6362 sq.ft.lb	
LRC	: :	5.6	Duty cycle	;	: Cont.(S1)	
Rated torque	:	18.3 ft.lb	Insulation	class	: F	
Locked rotor torqu	e :	170 %	Service fa	ctor	: 1.00	
Breakdown torque	: : :	220 %	Temperature rise		: 105 K	
Rated speed	·		Design	Design		
Rev.		Changes Summa	ry	Performed	Checked	Date
Performed by						
Checked by					Page	Revision
Date	12/04/2022				13 / 36	

Three Phase Induction Motor - Squirrel Cage



Customer :

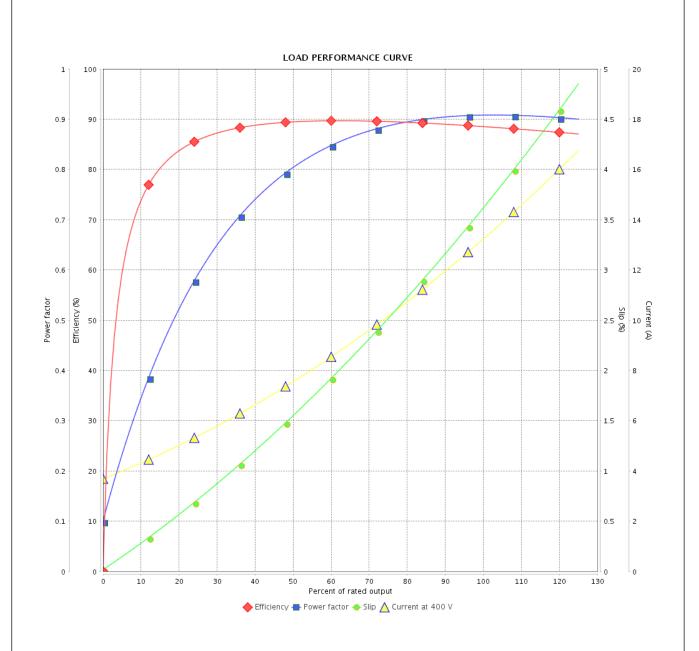
Product line : NEMA Premium Efficiency Three- Product code :

Phase

Catalog #: 01036ET3ER215TC-W22

14/36

12821762



Performance	:	400 V 50 Hz 2P IE2	2			
Rated current LRC Rated torque Locked rotor tord Breakdown torqu Rated speed	: que :	13.4 A 6.4 18.2 ft.lb 200 % 250 % 2890 rpm	Moment of Duty cycle Insulation Service fa Temperatu Design	class ctor	: 0.6362 sq.ft. : Cont.(S1) : F : 1.00 : 105 K : B	lb
Rev.		Changes Summa	ary	Performed	Checked	Date
Performed by Checked by					Page	Revision

12/04/2022

Date

Three Phase Induction Motor - Squirrel Cage



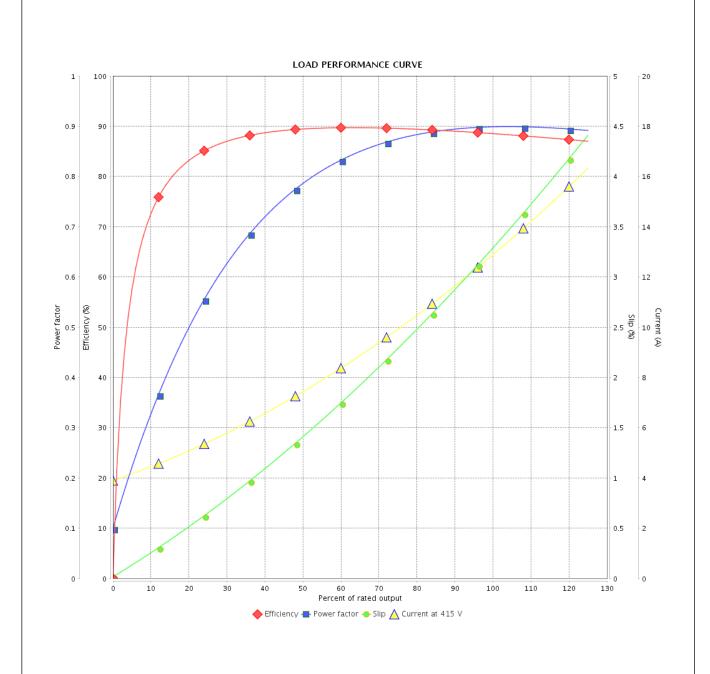
Customer

Product line : NEMA Premium Efficiency Three- Product code :

Phase

Catalog #: 01036ET3ER215TC-W22

12821762



Performance		415 V 50 Hz 2P IE2				
Rated current		13.1 A	Moment o	f inertia (J)	: 0.6362 sq.ft.	lb
LRC	:	6.9	Duty cycle	;	: Cont.(S1)	
Rated torque	:	18.1 ft.lb	Insulation	class	: F	
Locked rotor torque	e :	220 %	Service fa	ctor	: 1.00	
Breakdown torque	:	270 %	Temperati	ıre rise	: 105 K	
Rated speed	:	2900 rpm	Design		: B	
Rev.	-	Changes Summary	<u>'</u>	Performed	Checked	Date
Performed by						
Checked by					Page	Revision
Date	12/04/2022				15 / 36	

Three Phase Induction Motor - Squirrel Cage

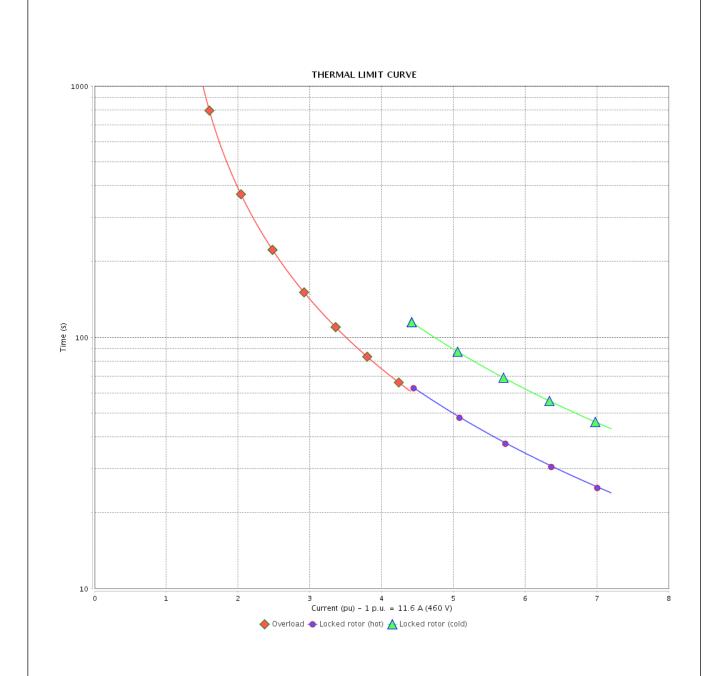


Customer	:				·	
Product line		NEMA Premium Efficiency	Three-	Product code :	12821762	
	P	hase	(Catalog # :	01036ET3ER	215TC-W22
Performance	: 23	30/460 V 60 Hz 2P				
Rated current LRC	: 20 : 7.	3.2/11.6 A	Moment of	f inertia (J)	: 0.6362 sq.ft.l	b
Rated torque	: 15	5.0 ft.lb	Duty cycle Insulation	class	: Cont.(S1) : F	
Locked rotor torqu		20 % 90 %	Service fa		: 1.25 : 80 K	
Breakdown torque Rated speed		510 rpm	Temperatu Design	116 119 6	: 80 K : B	
Heating constant						
Cooling constant						
Rev.		Changes Summary		Performed	Checked	Date
Danfarra III		I				
Performed by		-			Pogo	Povision
Checked by	40/04/2222	_			Page	Revision

Three Phase Induction Motor - Squirrel Cage



Customer



Rev.		Changes Summary	Performed	Checked	Date
Performed by			·		
Checked by				Page	Revision
Date	12/04/2022			17 / 36	

Three Phase Induction Motor - Squirrel Cage

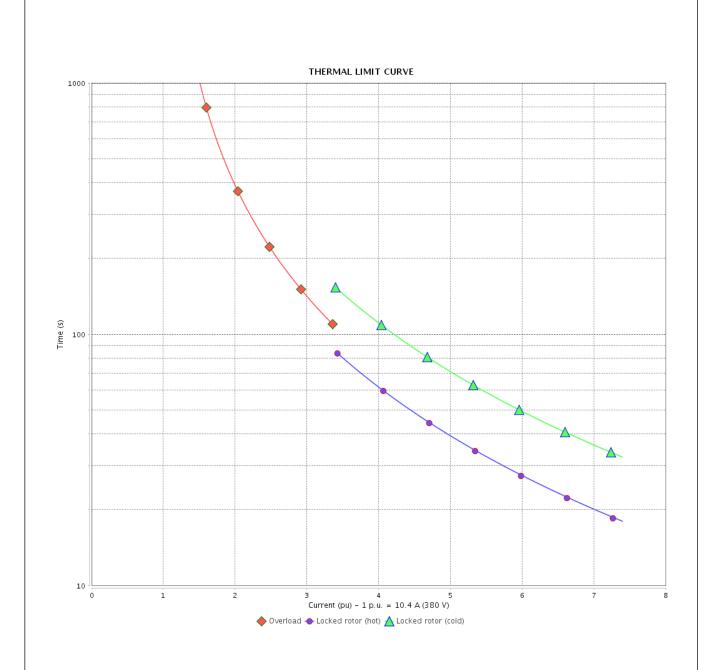


Customer		:				
Product line		: NEMA Premium Efficiency Phase		Product code : Catalog # :	12821762 01036ET3ER	215TC-W22
Performance		380 V 50 Hz 2P IE3				
Rated current LRC	:	10.4 A 7.4	Moment o	f inertia (J)	: 0.6362 sq.ft.ll)
Rated torque	:	13.5 ft.lb	Duty cycle Insulation	class	: Cont.(S1) : F	
Locked rotor tord Breakdown torqu		240 % 300 %	Service fa		: 1.25 : 80 K	
Rated speed		2925 rpm	Temperati Design	are rise	: B	
Heating constant						
Cooling constant	l .	Changes Summary		Performed	Checked	Date
1164.		ondinges outlinary		i chomicu	OHEONEU	Date
Performed by					1	
Checked by					Page	Revision
Date	12/04/2022				18 / 36	

Three Phase Induction Motor - Squirrel Cage



Customer



Rev.		Changes Summary	Performed	Checked	Date
Performed by					
Checked by				Page	Revision
Date	12/04/2022			19 / 36	

Three Phase Induction Motor - Squirrel Cage

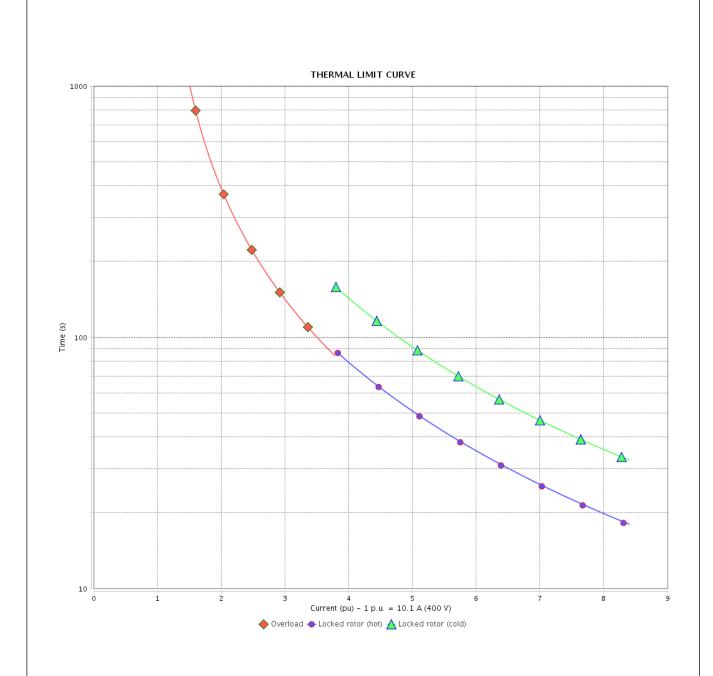


Customer	<u> </u>			
	·			
Product line	: NEMA Premium Efficiency	y Three- Produ	ct code : 1282176	52
	Phase	Catalo		Г3ER215TC-W22
		Catait	Jg # . 01036E	13ER2151C-W22
Performance	: 400 V 50 Hz 2P IE3			
Rated current	: 10.1 A	Moment of inert		
LRC Rated torque	: 8.4 : 13.4 ft.lb	Duty cycle Insulation class	: Cont.(S1 : F)
Locked rotor torque	: 270 %	Service factor	: 1.25	
Breakdown torque Rated speed	: 340 % : 2935 rpm	Temperature ris Design	e : 80 K : B	
	. 2000 ipin	2001911		
Heating constant Cooling constant				
Rev.	Changes Summary	Pe	erformed Checked	Date
	2922 & 4		5.055.00	
Performed by				
Checked by			Page	Revision
	12/04/2022		20 / 36	

Three Phase Induction Motor - Squirrel Cage



Customer



Rev.		Changes Summary	Performed	Checked	Date
Performed by					
Checked by				Page	Revision
Date	12/04/2022			21 / 36	

Three Phase Induction Motor - Squirrel Cage

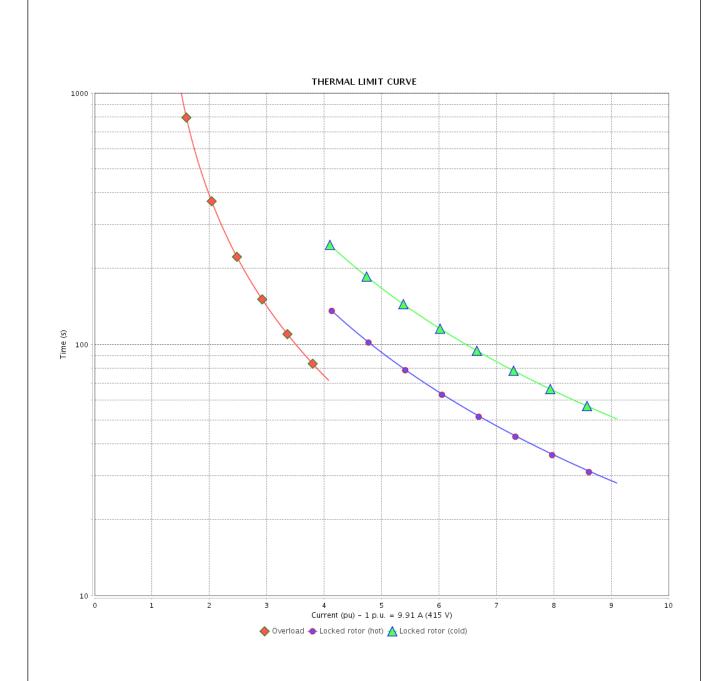


Customer	:					
Product line		NEMA Premium Efficiency	Three-	Product code :	12821762	
	P	hase		Catalog # :	01036ET3EF	R215TC-W22
Performance		15 V 50 Hz 2P IE3		6 * (* / I)	0.0000 (1.1	
Rated current LRC	: 9.		Moment of Duty cycle	f inertia (J)	: 0.6362 sq.ft.l : Cont.(S1)	D
Rated torque		3.4 ft.lb	Insulation	class	: F	
Locked rotor torque Breakdown torque		90 % 60 %	Service fa Temperatu		: 1.25 : 80 K	
Rated speed		940 rpm	Design		: B	
Heating constant						
Cooling constant						
Rev.		Changes Summary		Performed	Checked	Date
Performed by						
Checked by		-			Page	Revision
D. 1	40/04/0000	-			20 / 20	

Three Phase Induction Motor - Squirrel Cage



Customer :



Rev.		Changes Summary	Performed	Checked	Date
		T			
Performed by					
Checked by				Page	Revision
Date	12/04/2022	_		23 / 36	

Three Phase Induction Motor - Squirrel Cage

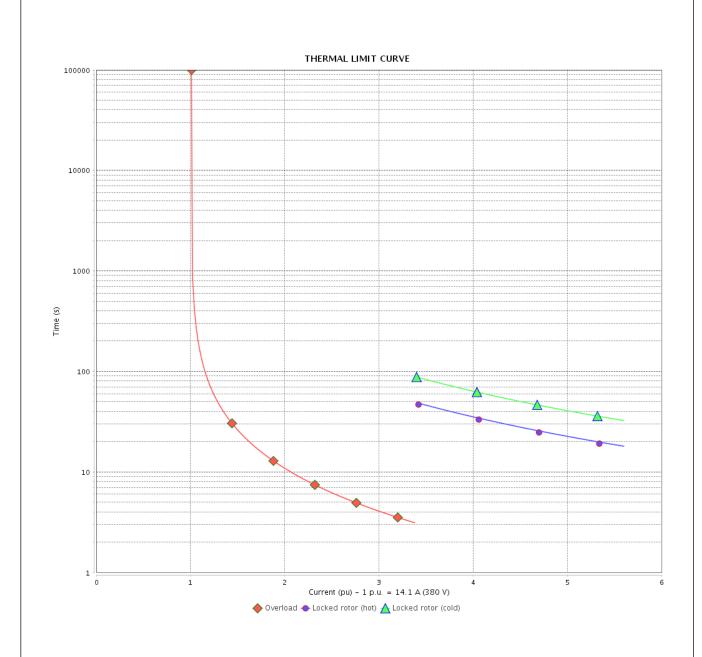


Customer		:				
Product line		: NEMA Premium Efficiency Phase		Product code : Catalog # :	12821762 01036ET3EF	R215TC-W22
Performance		: 380 V 50 Hz 2P IE2				
Rated current		: 14.1 A	Moment of	of inertia (J)	: 0.6362 sq.ft.l	b
LRC Rated torque		: 5.6 : 18.3 ft.lb	Duty cycle Insulation		: Cont.(S1) : F	
Locked rotor tord	que	: 170 %	Service fa	actor	: 1.00	
Breakdown torqu Rated speed		: 220 % : 2870 rpm	Temperat Design	ure rise	: 105 K : B	
Heating constant						
Cooling constant						
Rev.		Changes Summary		Performed	Checked	Date
Performed by						
Checked by					Page	Revision
Date	12/04/2022				24 / 36	

Three Phase Induction Motor - Squirrel Cage



Customer



Rev.		Changes Summary	Performed	Checked	Date
Performed by			·		
Checked by				Page	Revision
Date	12/04/2022			25 / 36	

Three Phase Induction Motor - Squirrel Cage

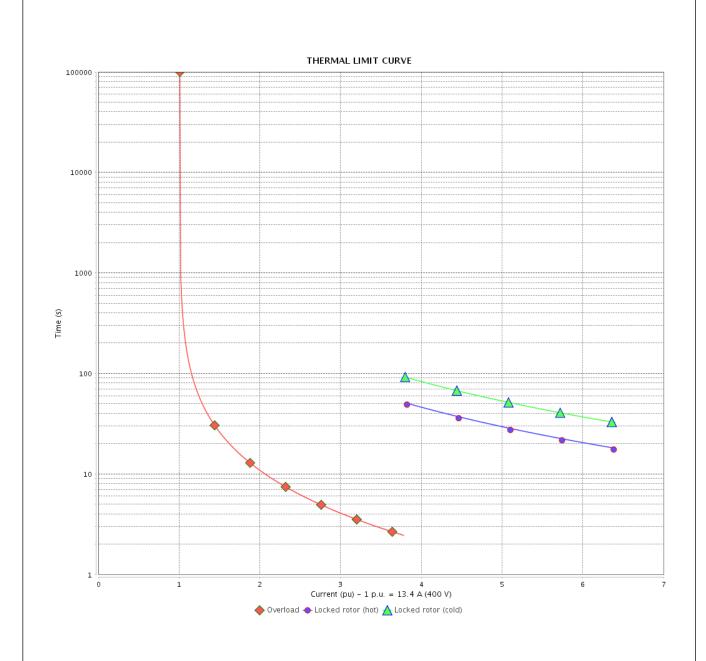


Customer		:				
Product line		: NEMA Premium Efficiency Phase		Product code :	12821762 01036ET3ER	215TC-W22
Performance Rated current LRC Rated torque Locked rotor torque Breakdown torque Rated speed	: : : : : : : : :	400 V 50 Hz 2P IE2 13.4 A 6.4 18.2 ft.lb 200 % 250 % 2890 rpm	Moment or Duty cycle Insulation Service far Temperatu Design	class ctor	: 0.6362 sq.ft.ll : Cont.(S1) : F : 1.00 : 105 K : B	
Heating constant Cooling constant Rev.		Changes Summary		Performed	Checked	Date
Performed by Checked by Date	12/04/2022				Page 26 / 36	Revision

Three Phase Induction Motor - Squirrel Cage



Customer



Rev.		Changes Summary	Performed	Checked	Date
Performed by					
Checked by				Page	Revision
Date	12/04/2022			27 / 36	

Three Phase Induction Motor - Squirrel Cage

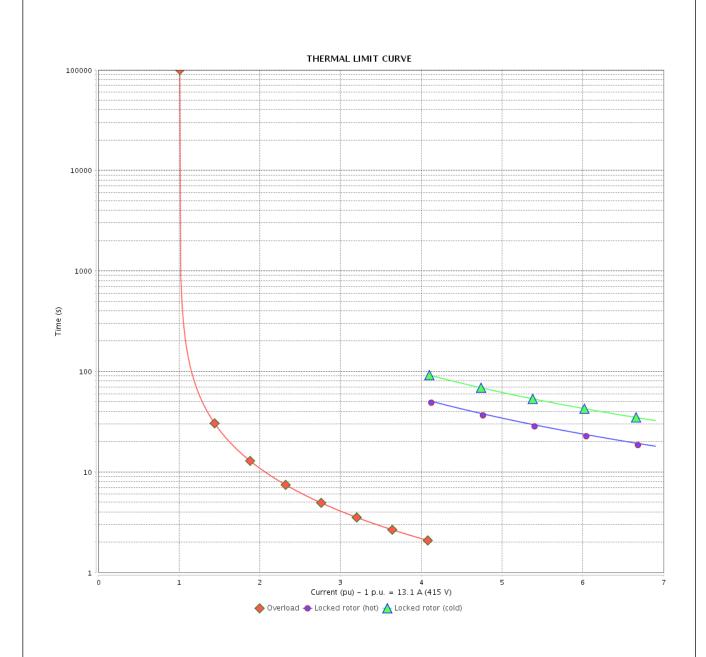


Customer		:				
Product line		: NEMA Premium Efficiency Phase		Product code : Catalog # :	12821762 01036ET3ER	:215TC-W22
Performance		: 415 V 50 Hz 2P IE2				
Rated current LRC		: 13.1 A : 6.9	Moment of Duty cycle	of inertia (J)	: 0.6362 sq.ft.ll : Cont.(S1)	b
Rated torque		: 18.1 ft.lb	Insulation	class	: F	
Locked rotor tord Breakdown torqu		: 220 % : 270 %	Service fa Temperat		: 1.00 : 105 K	
Rated speed		: 2900 rpm	Design		: B	
Heating constant						
Cooling constant	l 	Changes Summary		Performed	Checked	Date
1104.		Changes Cuminary		1 SHOTHIGG	CHOOLOG	Date
Performed by						
Checked by					Page	Revision
Date	12/04/2022				28 / 36	

Three Phase Induction Motor - Squirrel Cage



Customer



Rev.		Changes Summary	Performed	Checked	Date
Performed by					
Checked by				Page	Revision
Date	12/04/2022			29 / 36	

Three Phase Induction Motor - Squirrel Cage



Customer :

Checked by

Date

12/04/2022

Product line : NEMA Premium Efficiency Three-

Phase

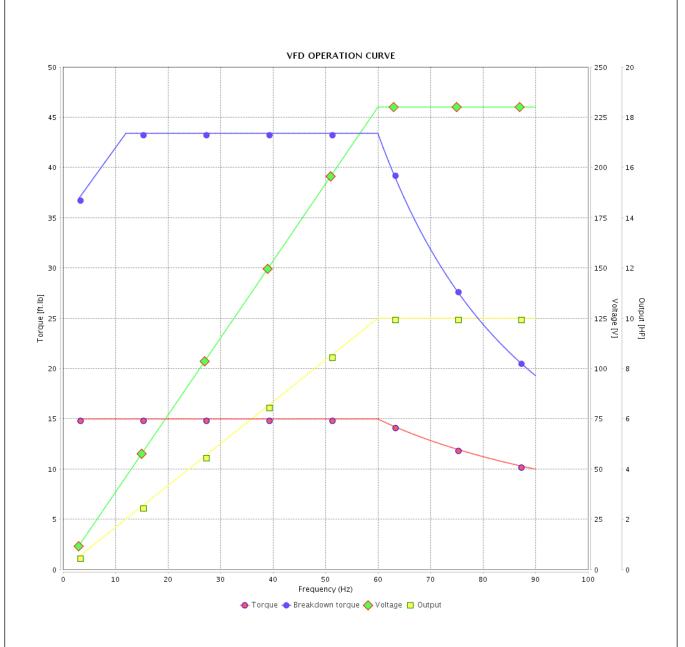
Product code: 12821762

Catalog #: 01036ET3ER215TC-W22

Page

30 / 36

Revision



Performance		: 230/460 V 60 Hz 2P	•			
Rated current LRC Rated torque Locked rotor tord Breakdown torqu Rated speed	jue ie	: 23.2/11.6 A : 7.2 : 15.0 ft.lb : 220 % : 290 % : 3510 rpm	Moment of Duty cycle Insulation Service fa Temperat Design	class ector	: 0.6362 sq.ft.l : Cont.(S1) : F : 1.25 : 80 K : B	b
Rev.		Changes Summar	ry	Performed	Checked	Date
Performed by					·	

Three Phase Induction Motor - Squirrel Cage



Customer

Checked by

Date

12/04/2022

Product line : NEMA Premium Efficiency Three- Product code :

Phase

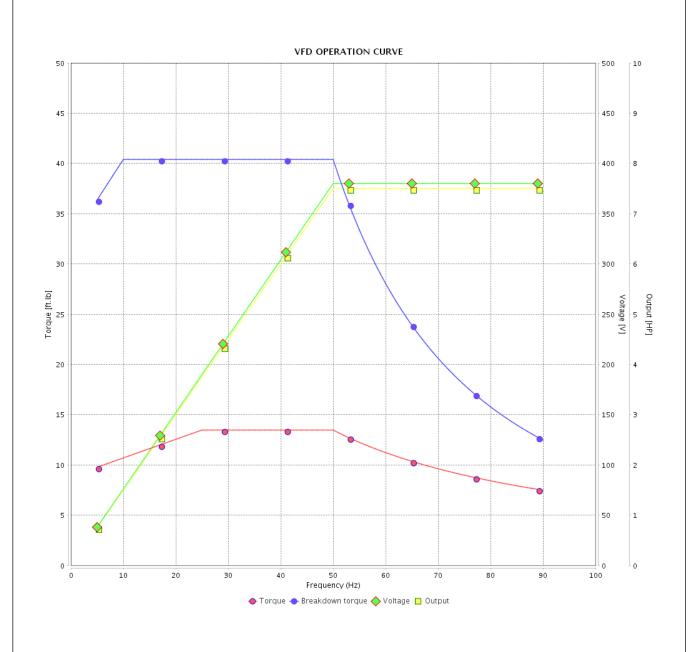
roduct code : 12821762

Catalog #: 01036ET3ER215TC-W22

Page

31 / 36

Revision



Performance	: 380 V 50 Hz 2P IE3				
Rated current LRC Rated torque Locked rotor torque Breakdown torque Rated speed	: 10.4 A : 7.4 : 13.5 ft.lb : 240 % : 300 % : 2925 rpm	Moment of inertia (J) Duty cycle Insulation class Service factor Temperature rise Design		: 0.6362 sq.ft.lb : Cont.(S1) : F : 1.25 : 80 K : B	
Rev.	Changes Summary		Performed	Checked	Date
Performed by					

Three Phase Induction Motor - Squirrel Cage



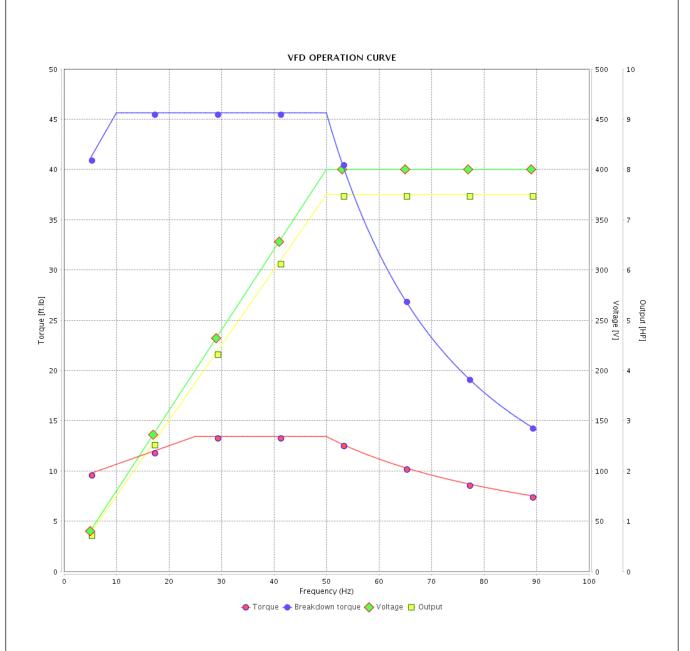
Customer :

Product line : NEMA Premium Efficiency Three-

Phase

Product code: 12821762

Catalog #: 01036ET3ER215TC-W22



Performance : 400 V 50 Hz 2P IE3 : 10.1 A Rated current Moment of inertia (J) : 0.6362 sq.ft.lb **LRC** : 8.4 Duty cycle : Cont.(S1) : 13.4 ft.lb Insulation class Rated torque : F Locked rotor torque : 270 % Service factor : 1.25 Breakdown torque : 340 % Temperature rise : 80 K Rated speed : 2935 rpm Design : B Rev. Checked Changes Summary Performed Date

1.00.		orial igoo carrillary	1 dilailia	Onconou	Date
Performed by					
Checked by				Page	Revision
Date	12/04/2022			32 / 36	
This de	auroant ia avaluaiva	property of MEC C/A Deprinting is not all	annad mithant muittan	authorization of MI	C C/A

Three Phase Induction Motor - Squirrel Cage

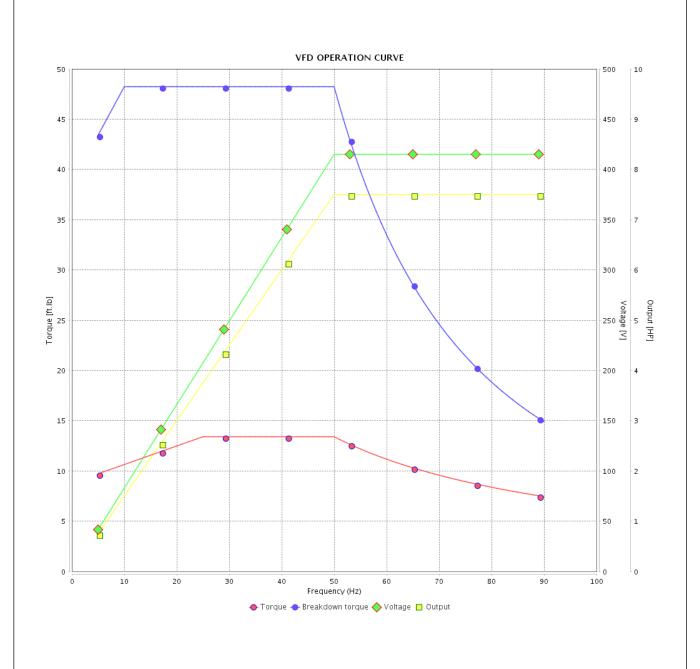


Customer

Product line : NEMA Premium Efficiency Three- Product code : 12821762

Phase

Catalog #: 01036ET3ER215TC-W22



Performance	: 4	15 V 50 Hz 2P IE3				
Rated current	: 9.91 A Momer		Moment of	Moment of inertia (J)		.lb
LRC	: 9	.1	Duty cycle	;	: Cont.(S1)	
Rated torque	: 1	3.4 ft.lb	Insulation class		: F	
Locked rotor torqu	ie : 2	90 %	Service fa	ctor	: 1.25	
Breakdown torque	: 3	60 %	Temperati	Temperature rise		
Rated speed	: 2	940 rpm	Design		: B	
Rev.		Changes Summary		Performed	Checked	Date
D ()		T				
Performed by						
Checked by					Page	Revision
Date	12/04/2022				33 / 36	

Three Phase Induction Motor - Squirrel Cage



Customer :

Checked by

Date

12/04/2022

Product line : NEMA Premium Efficiency Three-

Phase

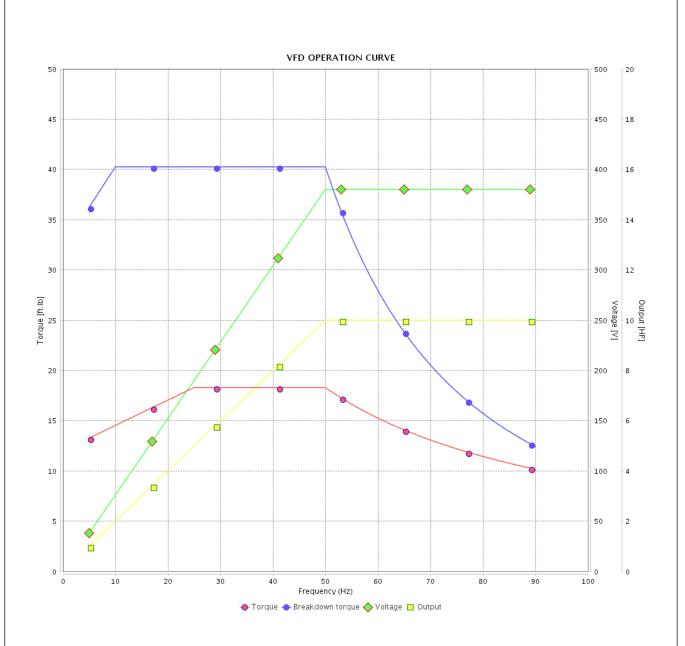
Product code: 12821762

Catalog #: 01036ET3ER215TC-W22

Page

34 / 36

Revision



Performance : 380 V 50 Hz 2P IE2 : 14.1 A Rated current Moment of inertia (J) : 0.6362 sq.ft.lb **LRC** Duty cycle : Cont.(S1) : 5.6 : 18.3 ft.lb Insulation class : F Rated torque Locked rotor torque : 170 % Service factor : 1.00 Breakdown torque : 220 % Temperature rise : 105 K Rated speed : 2870 rpm Design : B Rev. Performed Checked Date **Changes Summary** Performed by

Three Phase Induction Motor - Squirrel Cage

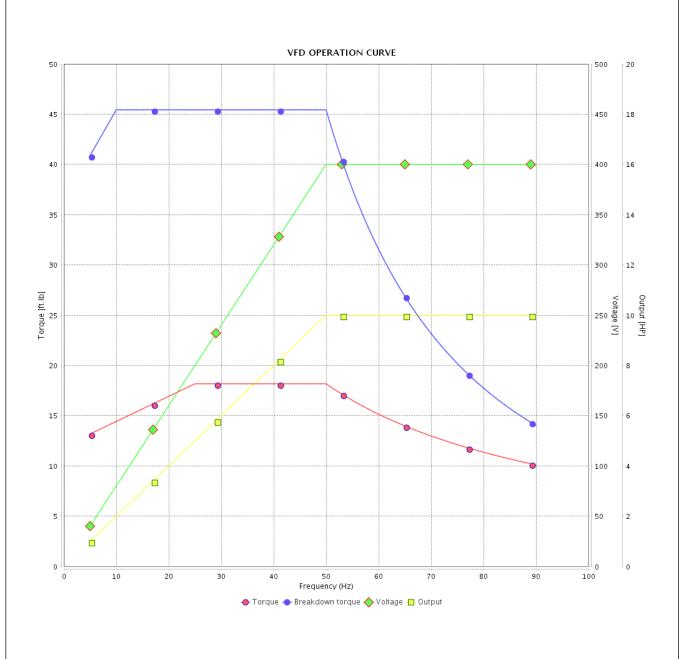


Customer

Product line : NEMA Premium Efficiency Three- Product code : 12821762

Phase

Catalog #: 01036ET3ER215TC-W22



Performance	: 4	00 V 50 Hz 2P IE2				
Rated current : 1		3.4 A	Moment of inertia (J)		: 0.6362 sq.ft.lb	
LRC	: 6	5.4	Duty cycle	;	: Cont.(S1)	
Rated torque	: 1	8.2 ft.lb	Insulation	class	: F	
Locked rotor torque	e : 2	.00 %	Service fa	ctor	: 1.00	
Breakdown torque	: 2	250 %	Temperature rise		: 105 K	
Rated speed	: 2	2890 rpm Design			: B	
Rev. Changes Summary			Performed	Checked	Date	
Performed by						
Checked by					Page	Revision
Date	12/04/2022	7			35 / 36	

Three Phase Induction Motor - Squirrel Cage



Customer :

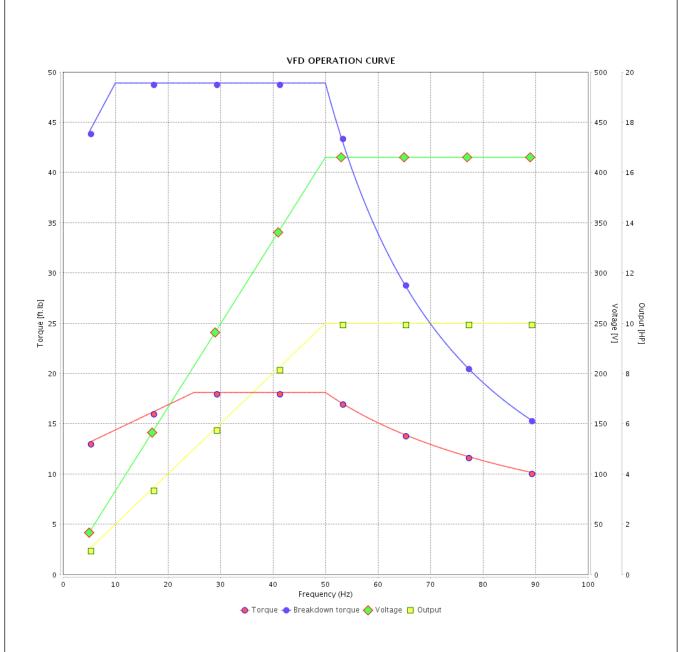
Checked by

Product line : NEMA Premium Efficiency Three-

Phase

Product code: 12821762

Catalog #: 01036ET3ER215TC-W22



Performance : 415 V 50 Hz 2P IE2 : 13.1 A Rated current Moment of inertia (J) : 0.6362 sq.ft.lb **LRC** : 6.9 Duty cycle : Cont.(S1) : 18.1 ft.lb Insulation class : F Rated torque Locked rotor torque : 220 % Service factor : 1.00 Breakdown torque : 270 % Temperature rise : 105 K Rated speed : 2900 rpm Design : B Rev. Performed Checked Date **Changes Summary** Performed by

Page

Revision

