### **DATA SHEET**

#### Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : NEMA Premium Efficiency Three- Product code : 12448181

Phase

240

Catalog #: 04036ET3E324TS-W22

Frame : 324/6TS Cooling method : IC411 - TEFC

Insulation class : F Mounting : F-1

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

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

Altitude : 1000 m.a.s.l. Approx. weight³ : 550 lb
Protection degree : IP55 Moment of inertia (J) : 4.90 sq.ft.lb

Design : B

Breakdown torque [%]

Design	: B						
Output [HP]	40	30	30	30	40	40	40
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]	91.6/45.8	40.5	38.5	37.5	56.3	53.1	51.1
L. R. Amperes [A]	577/289	263	281	289	282	297	307
LRC [A]	6.3x(Code	6.5x(Code	7.3x(Code H)	7.7x(Code H)	5.0x(Code E)	5.6x(Code F)	6.0x(Code
	G)	G)					
No load current [A]	22.0/11.0	10.8	11.8	12.5	10.8	11.8	12.5
Rated speed [RPM]	3555	2960	2965	2970	2940	2945	2950
Slip [%]	1.25	1.33	1.17	1.00	2.00	1.83	1.67
Rated torque [ft.lb]	59.1	53.2	53.1	53.0	71.4	71.3	71.2
Locked rotor torque [%]	250	240	270	290	180	200	220

Service factor 1.25 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 27s (cold) 27s (cold) 27s (cold) 27s (cold) Locked rotor time 39s (cold) 27s (cold) 27s (cold) 22s (hot) 15s (hot) 15s (hot) 15s (hot) 15s (hot) 15s (hot) 15s (hot) 72.0 dB(A) Noise level<sup>2</sup> 76.0 dB(A) 72.0 dB(A) 72.0 dB(A) 72.0 dB(A) 72.0 dB(A) 72.0 dB(A) 25% 50% 91.7 90.9 90.3 90.7 91.7 91.7 91.7 Efficiency (%) 75% 92.4 91.8 91.7 92.1 91.7 91.7 92.4 100% 92.4 92.7 92.7 92.7 91.0 91.7 91.7 25% 0.77 0.73 0.85 50% 0.82 0.75 0.83 0.82 Power Factor 75% 0.87 0.86 0.85 0.84 0.88 0.88 0.87 100% 0.89 0.89 0.89 0.88 0.89 0.89 0.89

280

310

190

210

229

Bearing type : 6312 C3 | Mon drive end | Foundation loads | Max. traction | : 353 lb |
Sealing : V'Ring | V'Ring | Max. compression | : 903 lb |

250

Lubrication interval : 12000 h 15000 h Lubricant amount : 21 g 13 g Lubricant type : Mobil Polyrex EM

Notes

USABLE @208V 101A SF 1.10 SFA 111A

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

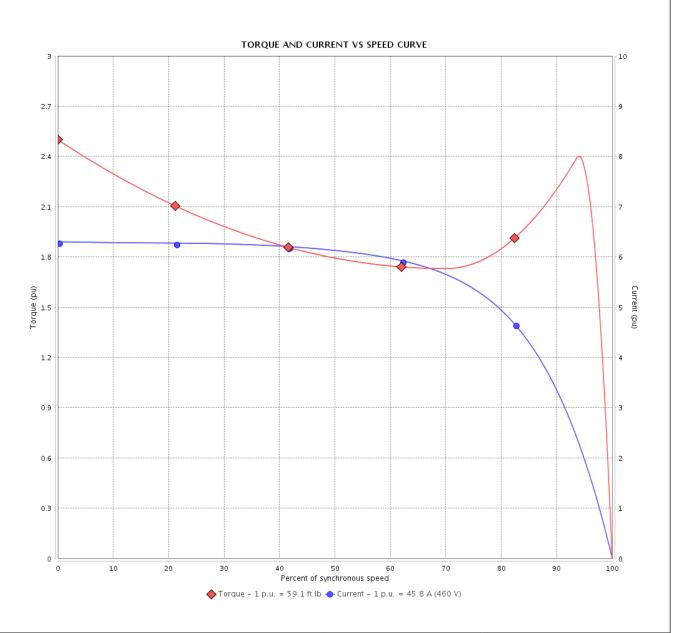


Customer :

Product line : NEMA Premium Efficiency Three- Product code : 12448181

Phase

Catalog #: 04036ET3E324TS-W22



Performance : 230/460 V 60 Hz 2P Rated current : 91.6/45.8 A Moment of inertia (J) : 4.90 sq.ft.lb **LRC** : 6.3 Duty cycle : Cont.(S1) Insulation class Rated torque : 59.1 ft.lb : F Locked rotor torque : 250 % Service factor : 1.25 Breakdown torque : 240 % Temperature rise : 80 K Rated speed : 3555 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: 12448181 Catalog #: 04036ET3E324TS-W22 TORQUE AND CURRENT VS SPEED CURVE 2.7 2.1 Current Torque (pu) 1.2 0.6 0.3 Percent of synchronous speed ◆ Torque - 1 p.u. = 53.2 ft.lb ◆ Current - 1 p.u. = 40.5 A (380 V) Performance : 380 V 50 Hz 2P IE3 Rated current : 40.5 A Moment of inertia (J) : 4.90 sq.ft.lb **LRC** : 6.5 Duty cycle : Cont.(S1) Insulation class Rated torque : 53.2 ft.lb : F : 240 % Locked rotor torque Service factor : 1.00 Breakdown torque : 250 % Temperature rise : 80 K Rated speed : 2960 rpm Design : B Locked rotor time : 27s (cold) 15s (hot) Date

Performed by Checked by Revision Page 13/04/2022 3/36 Date This document is exclusive property of WEG S/A. Reprinting is not allowed without written authorization of WEG S/A.

Performed

Checked

**Changes Summary** 

Rev.

### Three Phase Induction Motor - Squirrel Cage

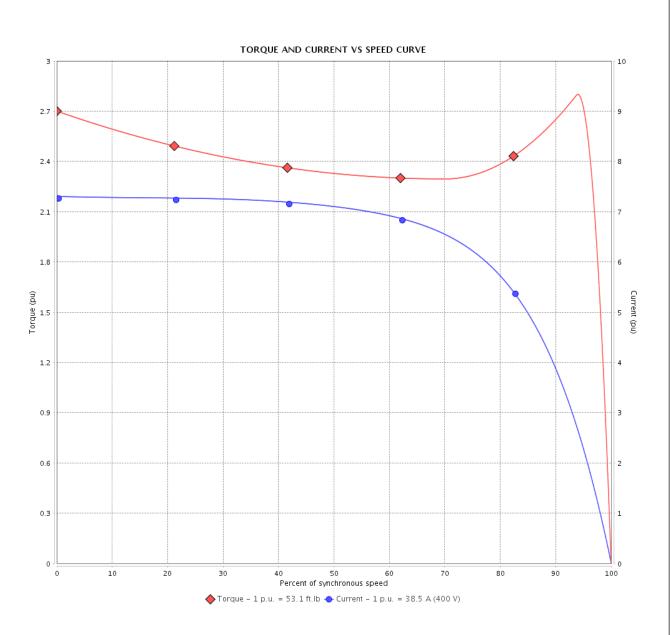


Customer :

Product line : NEMA Premium Efficiency Three- Product code : 12448181

Phase

Catalog #: 04036ET3E324TS-W22



Performance	: 400 V 50 Hz 2P IE3			
Rated current	: 38.5 A	Moment of inertia (J)	: 4.90 sq.ft.lb	
LRC	: 7.3	Duty cycle	: Cont.(S1)	
Rated torque	: 53.1 ft.lb	Insulation class	: F	
Locked rotor torque	: 270 %	Service factor	: 1.00	
Breakdown torque	: 280 %	Temperature rise	: 80 K	
Rated speed	: 2965 rpm	Design	: B	
		I		

Locked rotor time : 27s (cold) 15s (hot)

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



Revision

Page

5/36

Three Phase Induction Motor - Squirrel Cage Customer Product line : NEMA Premium Efficiency Three-Product code: 12448181 Catalog #: 04036ET3E324TS-W22 TORQUE AND CURRENT VS SPEED CURVE 4.5 3.5 Torque (pu) Current 0.5 Percent of synchronous speed ◆ Torque - 1 p.u. = 53.0 ft.lb ◆ Current - 1 p.u. = 37.5 A (415 V) Performance : 415 V 50 Hz 2P IE3 Rated current : 37.5 A Moment of inertia (J) : 4.90 sq.ft.lb **LRC** : 7.7 Duty cycle : Cont.(S1) Insulation class Rated torque : 53.0 ft.lb : F : 290 % Locked rotor torque Service factor : 1.00 Breakdown torque : 310 % Temperature rise : 80 K Rated speed : 2970 rpm Design : B Locked rotor time : 27s (cold) 15s (hot) Rev. Performed Checked Date **Changes Summary** Performed by

Checked by

Date

13/04/2022

#### Three Phase Induction Motor - Squirrel Cage



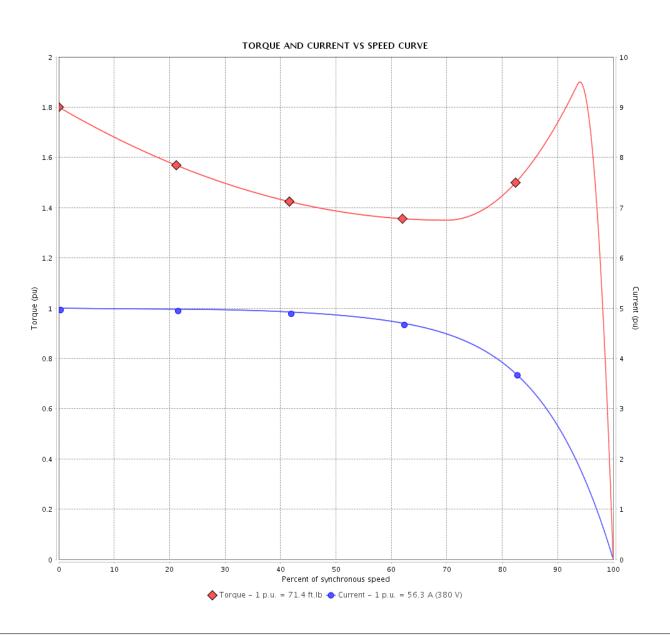
Customer :

Product line : NEMA Premium Efficiency Three- Product code :

Phase

Product code: 12448181

Catalog #: 04036ET3E324TS-W22



Performance : 380 V 50 Hz 2P IE1 Rated current : 56.3 A Moment of inertia (J) : 4.90 sq.ft.lb **LRC** : 5.0 Duty cycle : Cont.(S1) : 71.4 ft.lb Insulation class Rated torque : F Service factor Locked rotor torque : 180 % : 1.00 Breakdown torque : 190 % Temperature rise : 105 K Rated speed : 2940 rpm Design : B

Locked rotor time : 27s (cold) 15s (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

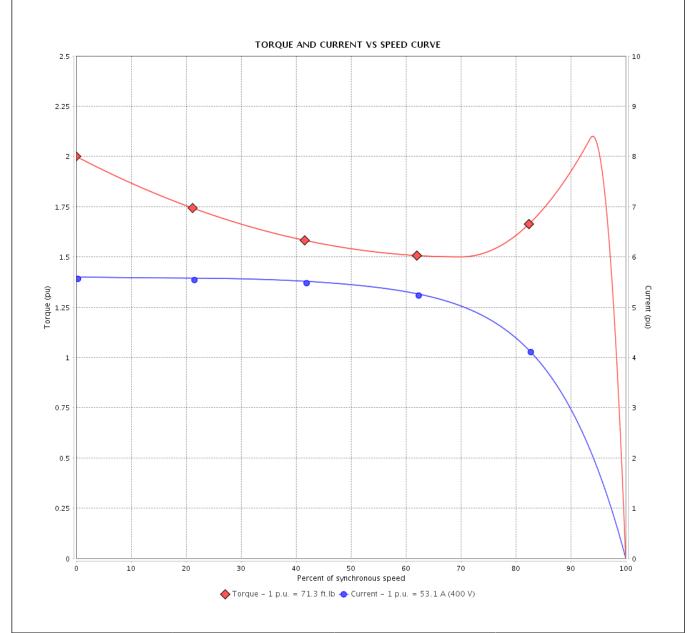


Customer :

Product line : NEMA Premium Efficiency Three- Product code : 12448181

Phase

Catalog # : 04036ET3E324TS-W22



Performance	: 400 V 50 Hz 2P IE1		
Rated current	: 53.1 A	Moment of inertia (J)	: 4.90 sq.ft.lb
LRC	: 5.6	Duty cycle	: Cont.(S1)
Rated torque	: 71.3 ft.lb	Insulation class	: F
Locked rotor torque	: 200 %	Service factor	: 1.00
Breakdown torque	: 210 %	Temperature rise	: 105 K
Rated speed	: 2945 rpm	Design	: B
Locked rotor time	: 27s (cold) 15s (hot)	l .	

LOCKCO TOTOL UITI	. 2	73 (COId) 103 (1101)			
Rev.		Changes Summary	Performed	Checked	Date
Performed by		]			
		-		Dogo	Revision
Checked by		_		Page	Revision
Date	13/04/2022			7 / 36	

#### Three Phase Induction Motor - Squirrel Cage



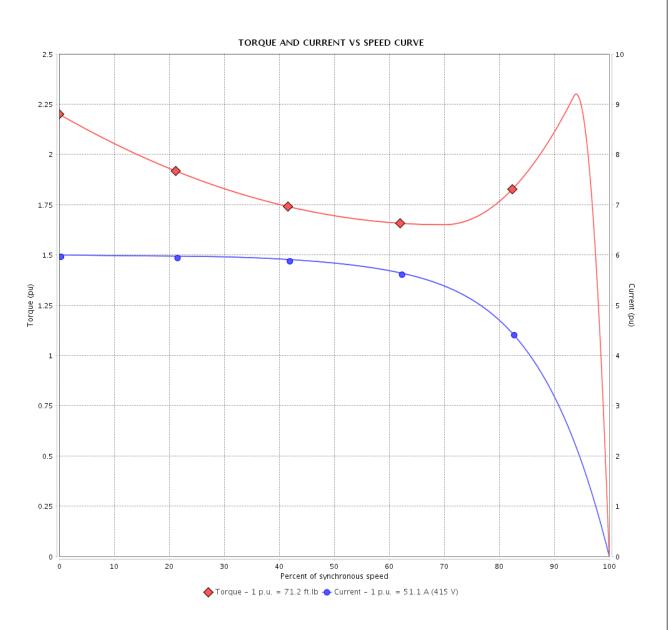
Customer :

Product line : NEMA Premium Efficiency Three- P

Phase

Product code: 12448181

Catalog #: 04036ET3E324TS-W22



Performance : 415 V 50 Hz 2P IE1 Rated current : 51.1 A Moment of inertia (J) : 4.90 sq.ft.lb **LRC** : 6.0 Duty cycle : Cont.(S1) : 71.2 ft.lb Insulation class Rated torque : F Service factor Locked rotor torque : 220 % : 1.00 Breakdown torque : 229 % Temperature rise : 80 K Rated speed : 2950 rpm Design : B

Locked rotor time : 27s (cold) 15s (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

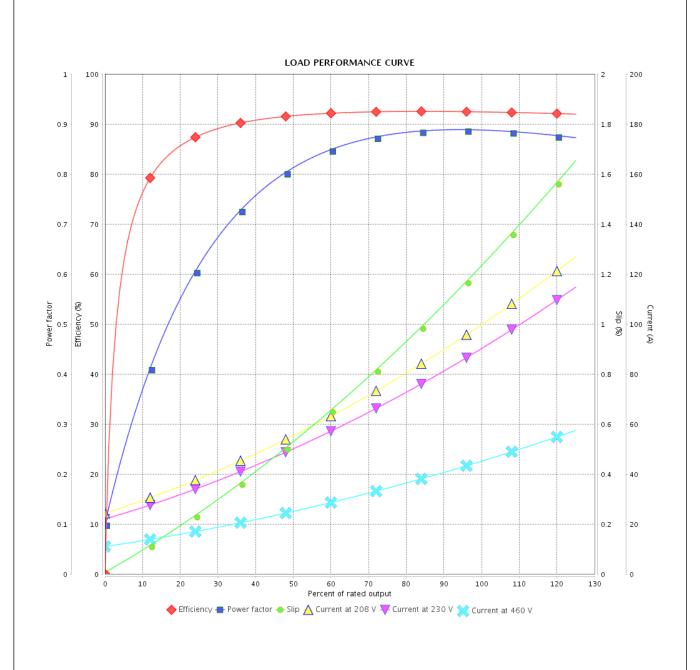


Customer

Product line : NEMA Premium Efficiency Three- Product code : 12448181

Phase

Catalog #: 04036ET3E324TS-W22



Performance	:	230/460 V 60 Hz 2P				
Rated current	:	91.6/45.8 A	Moment o	f inertia (J)	: 4.90 sq.ft.lb	
LRC	:	6.3	Duty cycle	<b>;</b>	: Cont.(S1)	
Rated torque	:	59.1 ft.lb	Insulation	class	: F	
Locked rotor torque	e :	250 %	Service fa	ctor	: 1.25	
Breakdown torque	:	240 %	Temperati	ıre rise	: 80 K	
Rated speed	:	3555 rpm	Design		: B	
Rev.		Changes Summary	<u>'</u>	Performed	Checked	Date
Performed by						
Checked by					Page	Revision
Date	13/04/2022				9 / 36	

### Three Phase Induction Motor - Squirrel Cage



Customer :

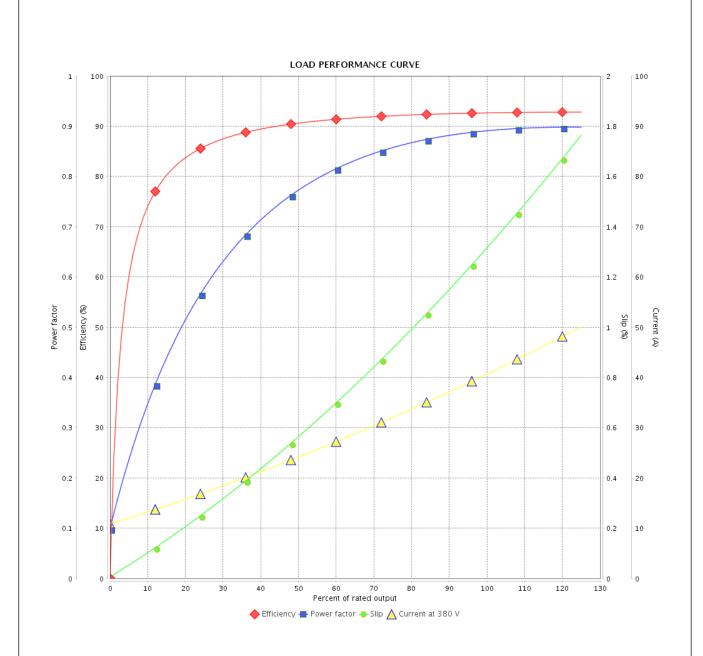
Product line : NEMA Premium Efficiency Three- Product code :

Phase

Catalog #: 04036ET3E324TS-W22

12448181

10/36



Performance	: 380 V 50 Hz 2P IE3			
Rated current : 40.5 A Moment of inertia (J) LRC : 6.5 Duty cycle Rated torque : 53.2 ft.lb Insulation class Locked rotor torque : 240 % Service factor Breakdown torque : 250 % Temperature rise Rated speed : 2960 rpm Design		: 4.90 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



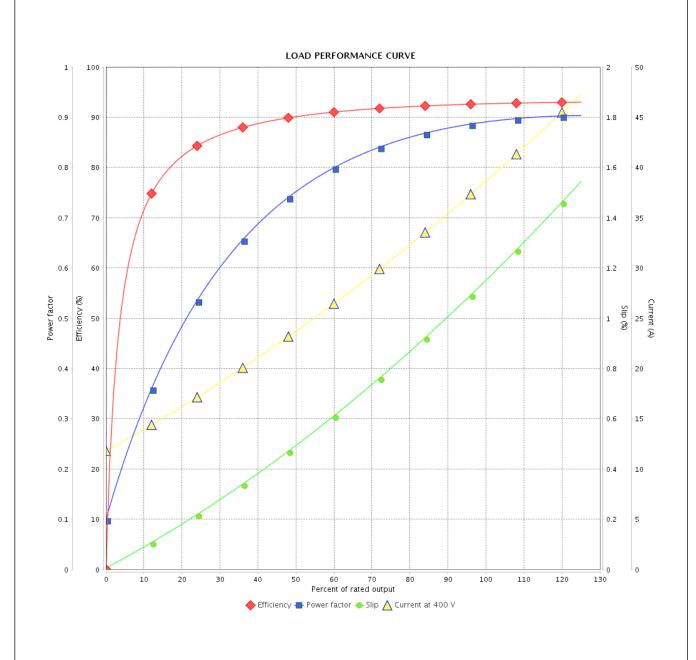
Customer

Product line : NEMA Premium Efficiency Three- Product code : 12448181

Phase

Catalog #: 04036ET3E324TS-W22

11/36



Performance	: 400 V 50 Hz 2P IE3				
Rated current LRC Rated torque Locked rotor torque Breakdown torque Rated speed	: 38.5 A : 7.3 : 53.1 ft.lb : 270 % : 280 % : 2965 rpm	Moment of Duty cycle Insulation Service far Temperatu Design	class	: 4.90 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



12/36

Customer

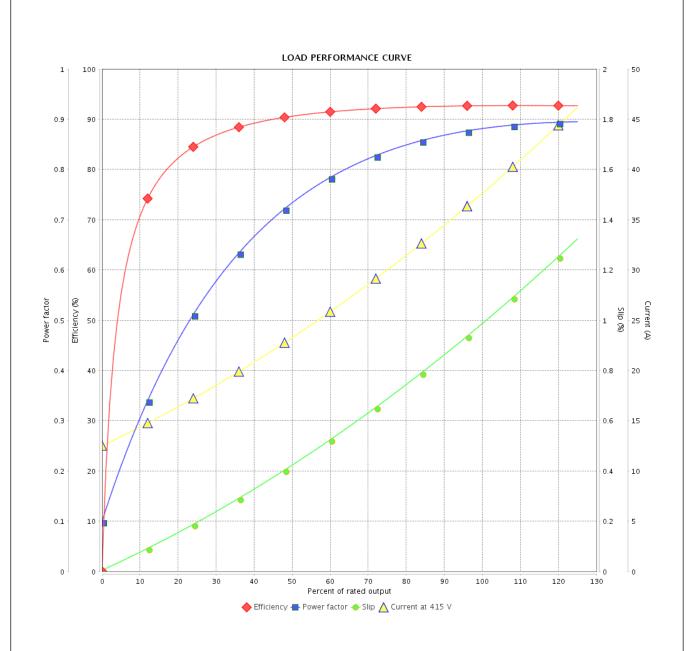
Date

13/04/2022

Product line : NEMA Premium Efficiency Three-Product code:

Catalog #: 04036ET3E324TS-W22

12448181



Performance	:	415 V 50 Hz 2P IE3	3			
Rated current : 37.5 A LRC : 7.7 Rated torque : 53.0 ft.lb Locked rotor torque : 290 % Breakdown torque : 310 % Rated speed : 2970 rpm		7.7 53.0 ft.lb 290 % 310 %	Duty cycle Insulation Service fa	Moment of inertia (J) Duty cycle Insulation class Service factor Temperature rise Design		
Rev.		Changes Summa	ary	Performed	Checked	Date
Performed by Checked by					Page	Revision

### Three Phase Induction Motor - Squirrel Cage

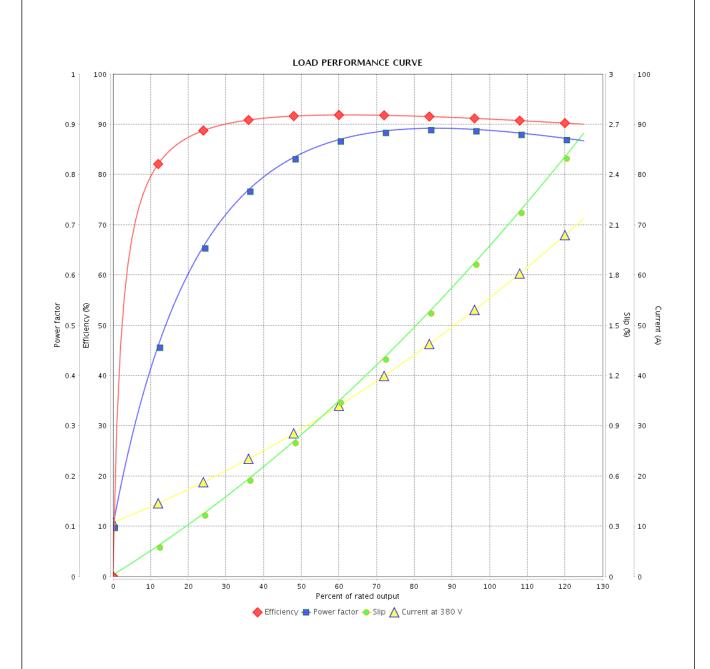


Customer

Product line : NEMA Premium Efficiency Three- Product code : 12448181

Phase

Catalog #: 04036ET3E324TS-W22



Performance	:	380 V 50 Hz 2P IE1				
Rated current	:	: 56.3 A Moment of ine		f inertia (J)	: 4.90 sq.ft.lb	
LRC	:	5.0	Duty cycle	` '	: Cont.(S1)	
Rated torque	:	71.4 ft.lb	Insulation		: F ` ´	
Locked rotor torqu			ctor	: 1.00		
Breakdown torque	:	190 %	Temperate	Temperature rise		
Rated speed	:	2940 rpm	Design		: B	
Rev.		Changes Summa	ry	Performed	Checked	Date
Performed by						
Checked by					Page	Revision
Date	13/04/2022				13 / 36	

### Three Phase Induction Motor - Squirrel Cage



Customer :

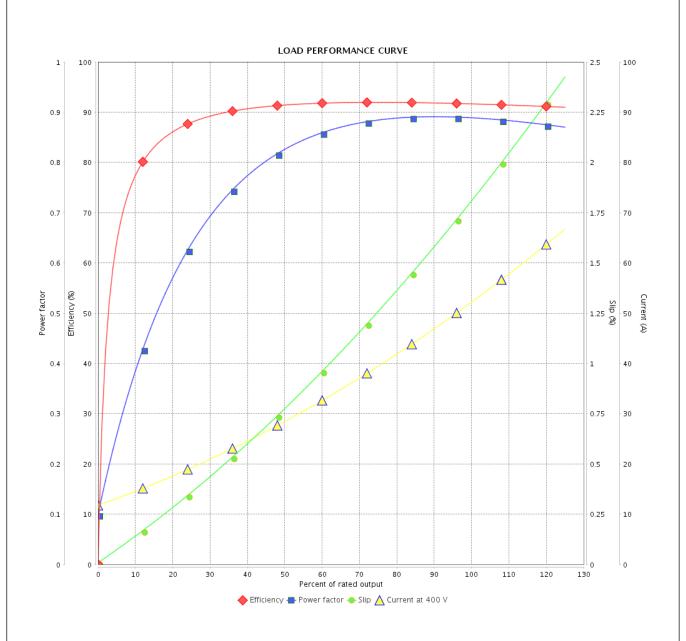
Product line : NEMA Premium Efficiency Three- Product c

Phase

Product code: 12448181

Catalog #: 04036ET3E324TS-W22

14/36



Performance	: 400 V 50 Hz 2P IE1				
Rated current LRC Rated torque Locked rotor torque Breakdown torque Rated speed	: 53.1 A : 5.6 : 71.3 ft.lb : 200 % : 210 % : 2945 rpm	Moment of Duty cycle Insulation Service fa Temperat Design	class actor	: 4.90 sq.ft.lb : Cont.(S1) : F : 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



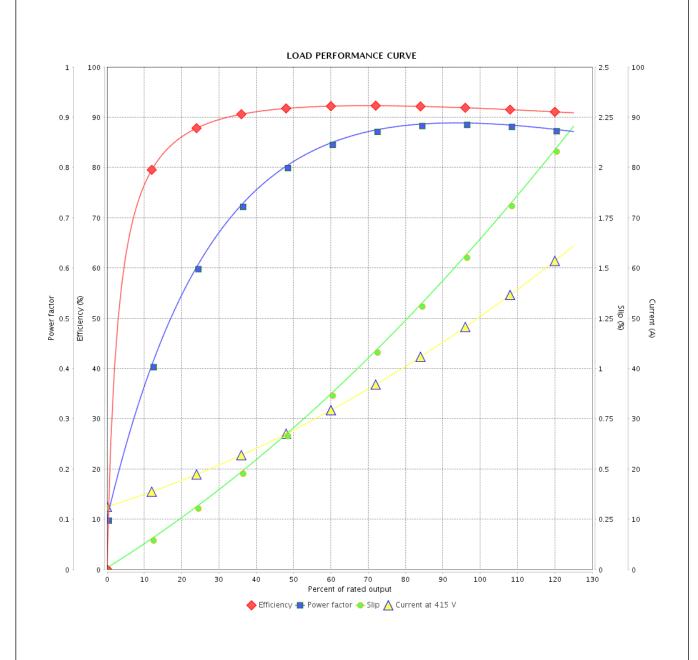
Customer

Product line : NEMA Premium Efficiency Three- Product code : 12448181

Phase

Catalog #: 04036ET3E324TS-W22

15 / 36



Performance	: 415 V 50 Hz 2P IE1				
LRC : 6.0 Duty cy Rated torque : 71.2 ft.lb Insulati Locked rotor torque : 220 % Service Breakdown torque : 229 % Temper		Moment of Duty cycle Insulation Service fa Temperatu Design	class ctor	: 4.90 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

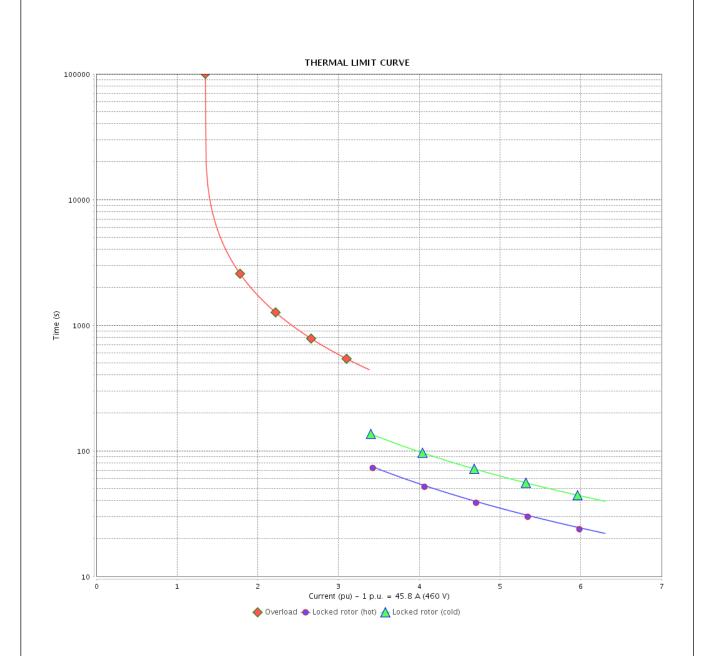


Customer	:					
Product line		NEMA Premium Efficiency	Three-	Product code :	12448181	
	PI	hase		Catalog # :	04036ET3E32	24TS-W22
Performance		30/460 V 60 Hz 2P				
Rated current LRC	: 9 <sup>2</sup> : 6.	1.6/45.8 A 3	Moment o	f inertia (J)	: 4.90 sq.ft.lb : Cont.(S1)	
Rated torque	: 59	9.1 ft.lb	Insulation	class	: F	
Locked rotor torque		50 %	Service fa		: 1.25	
Breakdown torque Rated speed		40 % 555 rpm	Temperatu Design	ire rise	: 80 K : B	
Heating constant						
Cooling constant						
Rev.		Changes Summary		Performed	Checked	Date
Porformed by						
Performed by Checked by					Paga	Revision
Checked by	40/04/0333				Page	Kevision

## 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

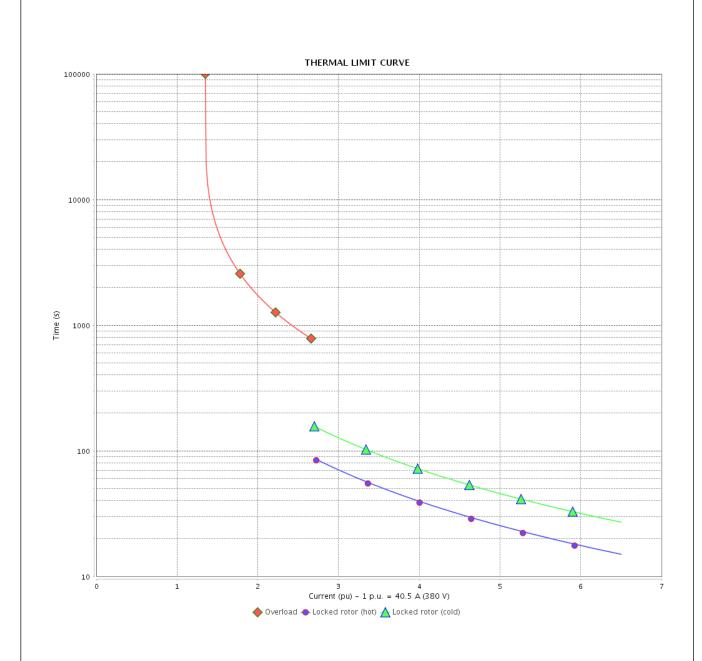


Customer		:				
Product line		: NEMA Premium Efficiency Phase		Product code : Catalog # :	12448181 04036ET3E32	24TS-W22
Performance		: 380 V 50 Hz 2P IE3	<b>N</b> 4	· • • • • • • • • • • • • • • • • • • •	4.00	
Rated current LRC		: 40.5 A : 6.5	Duty cycle		: 4.90 sq.ft.lb : Cont.(S1)	
Rated torque		: 53.2 ft.lb : 240 %	Insulation Service fa		: F : 1.00	
Locked rotor tord Breakdown torqu		: 240 % : 250 %	Temperat		: 1.00 : 80 K	
Rated speed		: 2960 rpm	Design		: B	
Heating constan						
Cooling constan	t 	Changes Commercial		Doutour	Charles I	Data
Rev.		Changes Summary		Performed	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

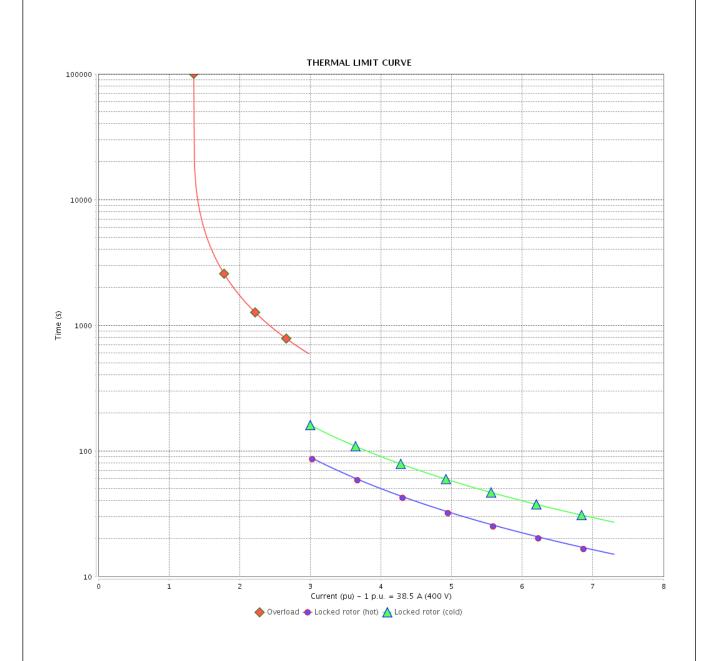


Customer	:					
Product line		NEMA Premium Efficiency nase		Product code :	12448181 04036ET3E32	24TS-W22
Performance Rated current LRC Rated torque Locked rotor torque Breakdown torque Rated speed	: 38 : 7. : 53 : 27 : 28	00 V 50 Hz 2P IE3 3.5 A 3.1 ft.lb 70 % 80 % 965 rpm	Moment o Duty cycle Insulation Service fa Temperatu Design	class ctor	: 4.90 sq.ft.lb : Cont.(S1) : F : 1.00 : 80 K : B	
Heating constant Cooling constant Rev.		Changes Summary	Design	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			21 / 36	

### Three Phase Induction Motor - Squirrel Cage

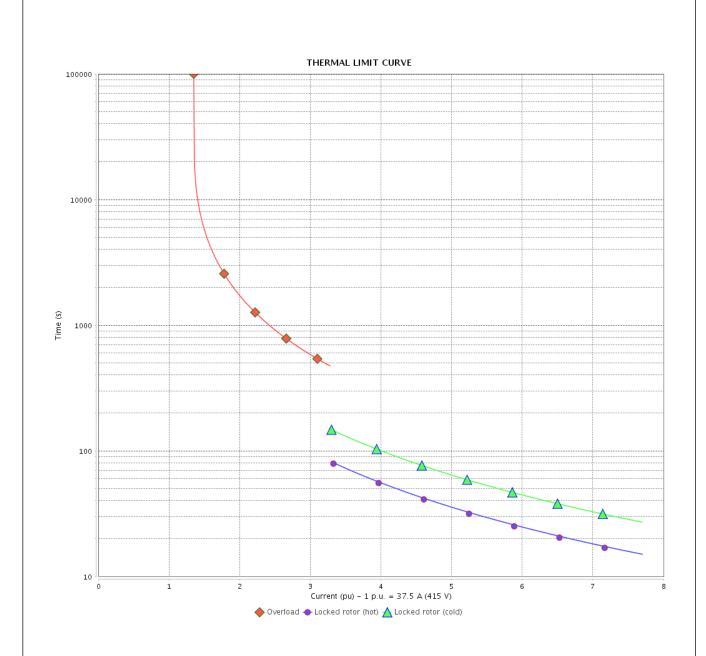


Customer		:			·	
Product line		: NEMA Premium Efficiency Phase		Product code :	12448181 04036ET3E3	24TS-W22
Performance	-,	415 V 50 Hz 2P IE3				
Rated current	::	37.5 A	Moment o	f inertia (J)	: 4.90 sq.ft.lb	
LRC Rated torque		7.7 53.0 ft.lb	Duty cycle Insulation	!	: Cont.(S1) : F	
Locked rotor tord		290 %	Service fa		. r : 1.00	
Breakdown torqu Rated speed	ue :	310 % 2970 rpm	Temperatu Design		: 80 K : B	
Heating constan		·	<u> </u>			
Cooling constant						
Rev.		Changes Summary		Performed	Checked	Date
Performed by						
Checked by					Page	Revision
Date	13/04/2022				22 / 36	

## Three Phase Induction Motor - Squirrel Cage



Customer



Rev.		Changes Summary	Performed	Checked	Date
Performed by					
Checked by				Page	Revision
Date	13/04/2022			23 / 36	

### Three Phase Induction Motor - Squirrel Cage

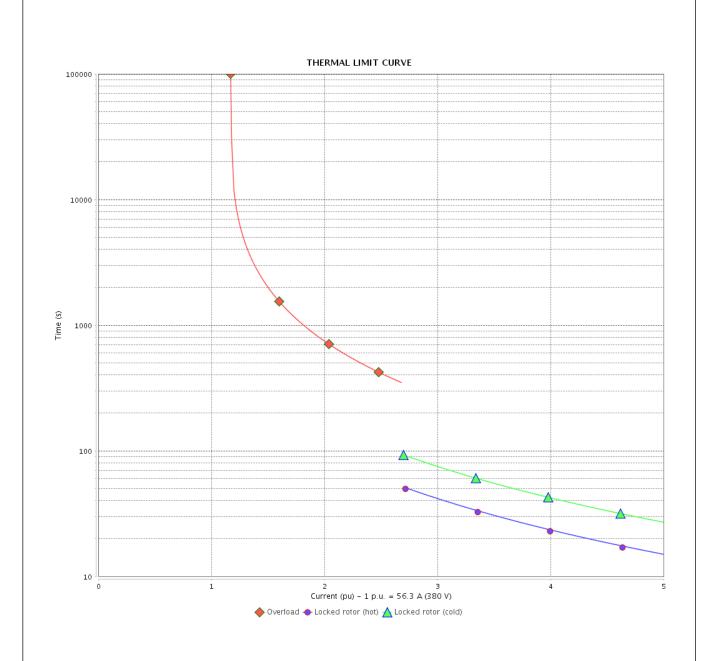


Customer	:			
Product line	: NEMA Premium Efficiency Phase		12448181	
		Catalog #:	04036ET3E324TS-\	N22
Performance	: 380 V 50 Hz 2P IE1	Т		
Rated current LRC Rated torque Locked rotor torque Breakdown torque Rated speed	: 56.3 A : 5.0 : 71.4 ft.lb : 180 % : 190 % : 2940 rpm	Moment of inertia (J) Duty cycle Insulation class Service factor Temperature rise Design	: 4.90 sq.ft.lb : Cont.(S1) : F : 1.00 : 105 K : B	
	r-			
Heating constant				
Cooling constant	Changes Summer:	Dowformers	Charles	Noto
Rev.	Changes Summary	Performed	Checked D	ate
Performed by Checked by			_	vision
Date 13/04	/2022		24 / 36	

### Three Phase Induction Motor - Squirrel Cage



Customer



Rev.	ev. Changes Summary		Performed	Checked	Date
Performed by					
Checked by				Page	Revision
Date	13/04/2022			25 / 36	

### Three Phase Induction Motor - Squirrel Cage

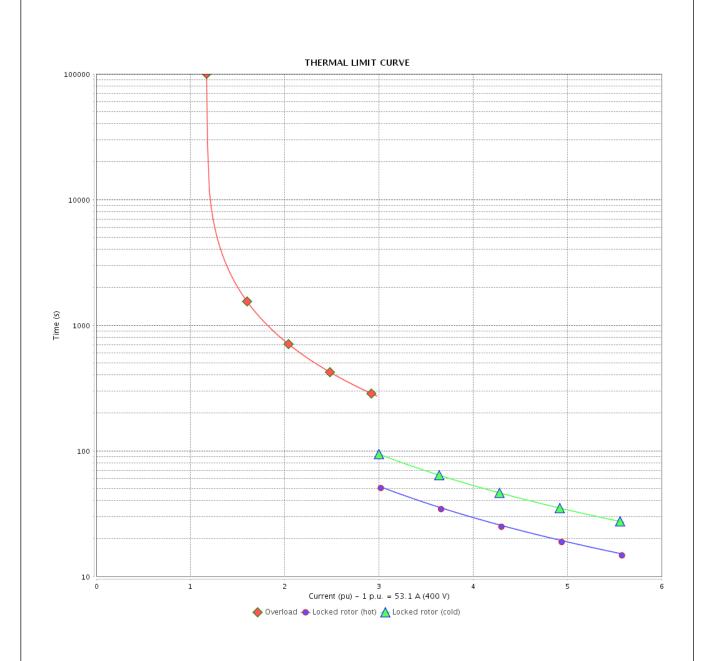


Customer	:					
Product line		NEMA Premium Efficiency hase		Product code :	12448181 04036ET3E32	24TS-W22
Performance Rated current LRC Rated torque Locked rotor torque Breakdown torque Rated speed Heating constant Cooling constant Rev.	: 50 : 5. : 7' e : 20 : 2'	00 V 50 Hz 2P IE1 3.1 A 6 1.3 ft.lb 00 % 10 % 945 rpm  Changes Summary	Moment or Duty cycle Insulation Service far Temperatu Design	class ctor	: 4.90 sq.ft.lb : Cont.(S1) : F : 1.00 : 105 K : B	Date
Performed by Checked by	40/04/2222		1		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

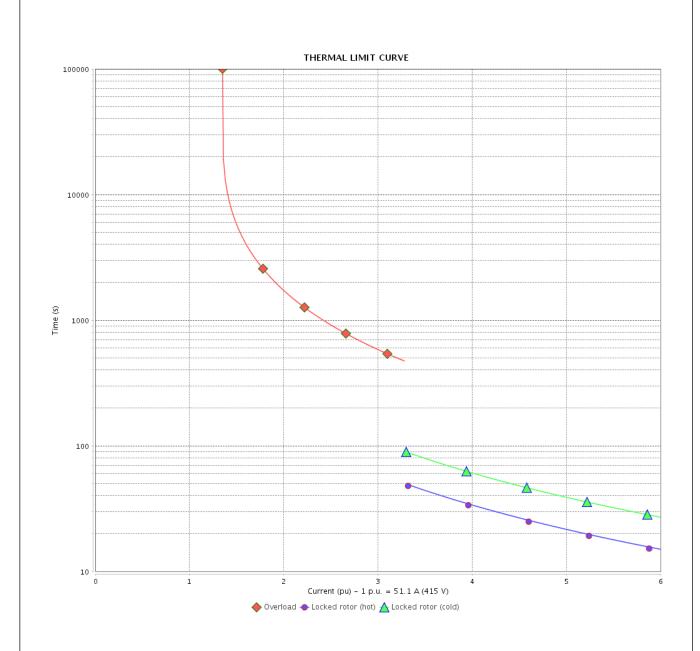


Customer		:				
Product line		: NEMA Premium Efficiency Phase		Product code : Catalog # :	12448181 04036ET3E32	24TS-W22
Performance		: 415 V 50 Hz 2P IE1				
Rated current		: 51.1 A	Moment o	of inertia (J)	: 4.90 sq.ft.lb	
LRC Rated torque		: 6.0 : 71.2 ft.lb	Duty cycle Insulation		: Cont.(S1) : F	
Locked rotor tord	que	: 220 %	Service fa	actor	: 1.00	
Breakdown torqu Rated speed		: 229 % : 2950 rpm	Temperat Design	ure rise	: 80 K : B	
Heating constan						
Cooling constant	t	Changes Summan		Performed	Checked	Date
Kev.		Changes Summary		renomea	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 :

Checked by

Date

13/04/2022

Product line : NEMA Premium Efficiency Three-

Phase

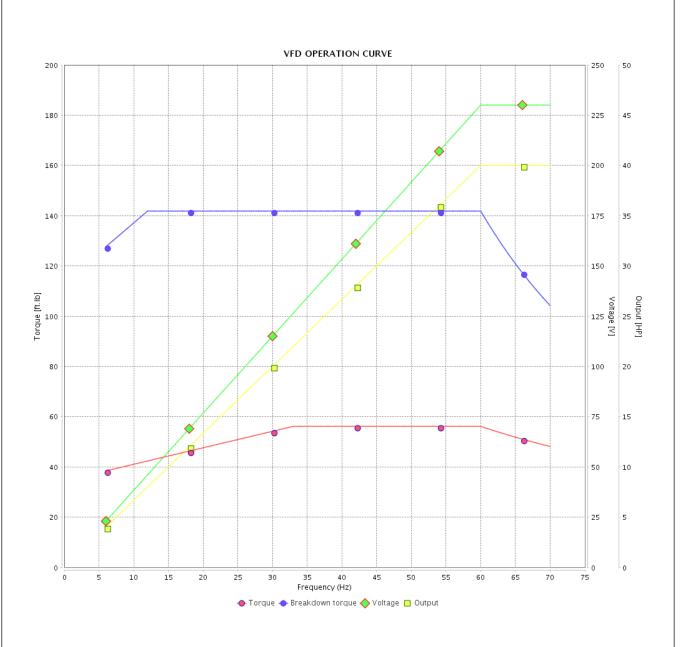
Product code: 12448181

Catalog #: 04036ET3E324TS-W22

Page

30 / 36

Revision



Performance	: 230/460 V 60 Hz 2P				
Rated current LRC Rated torque Locked rotor torque Breakdown torque Rated speed		Moment of Duty cycle Insulation Service fa Temperat Design	class ctor	: 4.90 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

Checked by

Date

13/04/2022

Product line : NEMA Premium Efficiency Three- Product code : 12448181

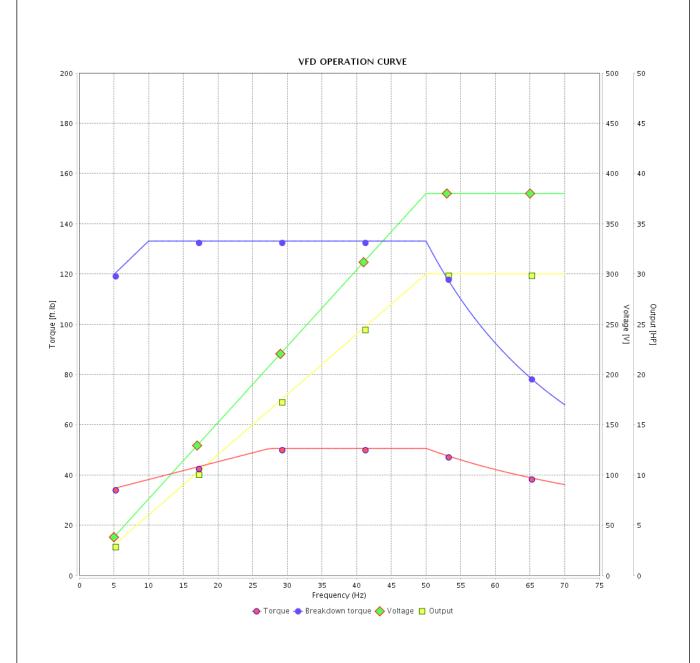
Phase

Catalog #: 04036ET3E324TS-W22

Page

31 / 36

Revision



Performance : 380 V 50 Hz 2P IE3 Rated current : 40.5 A Moment of inertia (J) : 4.90 sq.ft.lb **LRC** : 6.5 Duty cycle : Cont.(S1) : 53.2 ft.lb Insulation class : F Rated torque Locked rotor torque : 240 % Service factor : 1.00 Breakdown torque : 250 % Temperature rise : 80 K Rated speed : 2960 rpm Design : B Rev. Performed Checked Date **Changes Summary** Performed by

### Three Phase Induction Motor - Squirrel Cage



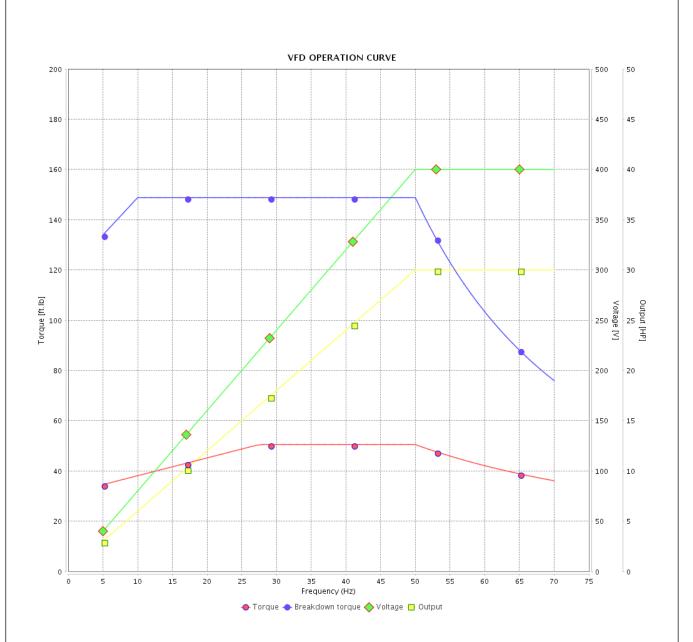
Customer :

Product line : NEMA Premium Efficiency Three- Product code : 12448181

Phase

Catalog #: 04036ET3E324TS-W22

32 / 36



Performance	: 400 V 50 Hz 2P IE3				
Rated current	: 38.5 A	Moment of	inertia (J)	: 4.90 sq.ft.lb	
LRC	: 7.3	Duty cycle		: Cont.(S1)	
Rated torque : 53.1 ft.lb		Insulation c	lass	: F	
Locked rotor torque	: 270 %	Service factor		: 1.00	
Breakdown torque	: 280 % Temperature rise		e rise	: 80 K	
Rated speed	: 2965 rpm	Design		: B	
Rev.	Changes Summary		Performed	Checked	Date
D ( 11					
Performed by					
Checked by				Page	Revision

13/04/2022

Date

### Three Phase Induction Motor - Squirrel Cage

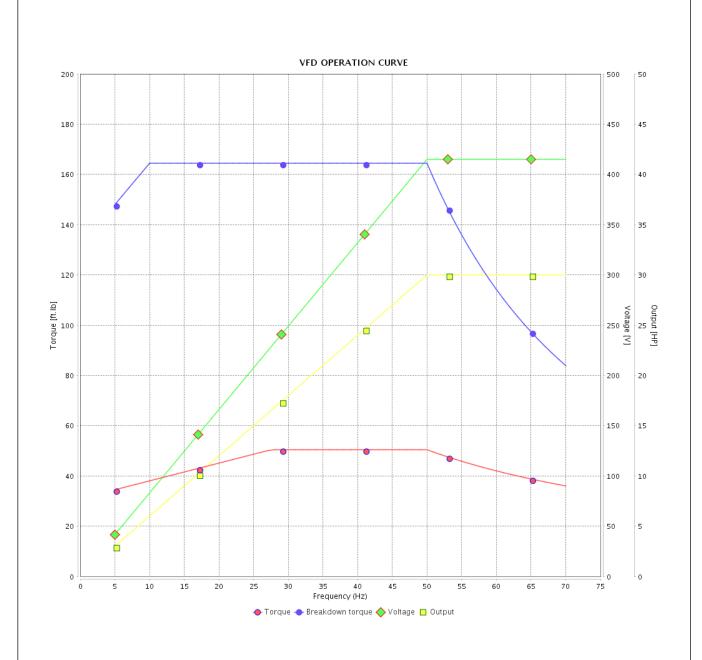


Customer

Product line : NEMA Premium Efficiency Three- Product code : 12448181

Phase

Catalog #: 04036ET3E324TS-W22



Performance : 415 V 50 Hz 2P IE3 : 37.5 A Rated current Moment of inertia (J) : 4.90 sq.ft.lb : 7.7 **LRC** Duty cycle : Cont.(S1) : 53.0 ft.lb Insulation class : F Rated torque Locked rotor torque : 290 % Service factor : 1.00 Breakdown torque : 310 % Temperature rise : 80 K Rated speed : 2970 rpm Design : B

Rev.		Changes Summary	Performed	Checked	Date
Performed by					
Checked by				Page	Revision
Date	13/04/2022			33 / 36	
This do	cument is exclusive	property of WEG S/A. Reprinting is not all	owed without written	authorization of WE	G S/A

### Three Phase Induction Motor - Squirrel Cage



Customer :

Checked by

Date

13/04/2022

Product line : NEMA Premium Efficiency Three-

Phase

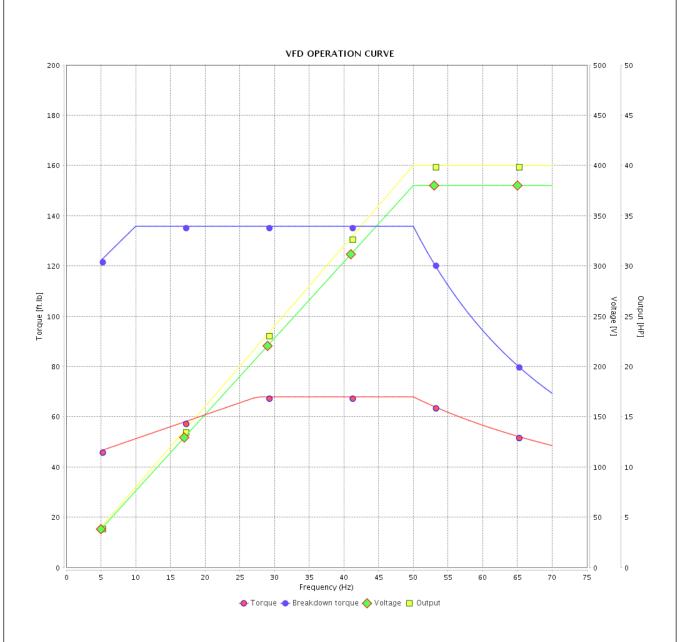
Product code: 12448181

Catalog #: 04036ET3E324TS-W22

Page

34 / 36

Revision



	· · · · · · · · · · · · · · · · · · ·					
Performance	: 3	380 V 50 Hz 2P IE1				
Rated current LRC Rated torque Locked rotor tord Breakdown torqu Rated speed	: 8 : 7 jue : 7	56.3 A 5.0 71.4 ft.lb 180 % 190 % 2940 rpm	Moment of Duty cycle Insulation Service fa Temperation	class ctor	: 4.90 sq.ft.lb : Cont.(S1) : F : 1.00 : 105 K : B	
Rev.		Changes Summary	1	Performed	Checked	Date
Performed by					·	

### Three Phase Induction Motor - Squirrel Cage



Customer

Checked by

Date

13/04/2022

Product line : NEMA Premium Efficiency Three- Product code : 12448181

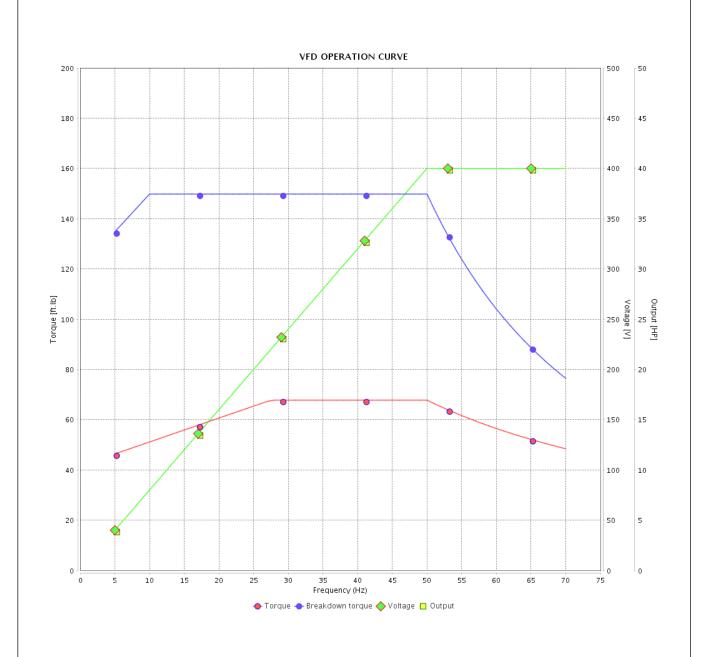
Phase

Catalog #: 04036ET3E324TS-W22

Page

35 / 36

Revision



Performance	: 400 V 50 Hz 2P IE1				
Rated current LRC Rated torque Locked rotor torque Breakdown torque Rated speed	: 53.1 A : 5.6 : 71.3 ft.lb : 200 % : 210 % : 2945 rpm	Moment of inertia (J) Duty cycle Insulation class Service factor Temperature rise Design		: 4.90 sq.ft.lb : Cont.(S1) : F : 1.00 : 105 K : B	
Rev.	Changes Summary	'	Performed	Checked	Date
Performed by					

#### Three Phase Induction Motor - Squirrel Cage



Customer :

Checked by

Date

13/04/2022

Product line : NEMA Premium Efficiency Three-

Phase

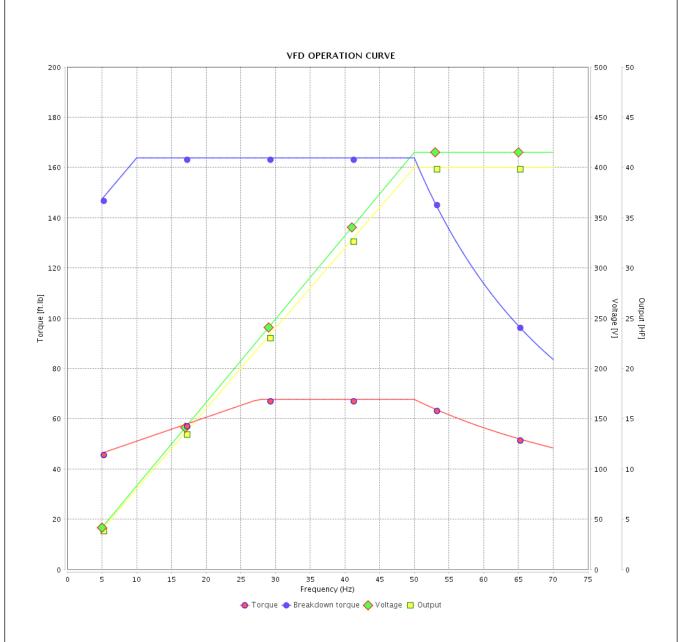
Product code: 12448181

Catalog #: 04036ET3E324TS-W22

Page

36 / 36

Revision



Performance : 415 V 50 Hz 2P IE1 Rated current : 51.1 A Moment of inertia (J) : 4.90 sq.ft.lb **LRC** : 6.0 Duty cycle : Cont.(S1) Insulation class : 71.2 ft.lb : F Rated torque Locked rotor torque : 220 % Service factor : 1.00 Breakdown torque : 229 % Temperature rise : 80 K Rated speed : 2950 rpm Design : B Rev. Performed Checked Date **Changes Summary** Performed by

