DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer

Product line : NEMA Premium Efficiency Three-Product code: 11625961

Catalog #: 05018ET3ER326TC-W22

Frame : 326TC Cooling method : IC411 - TEFC

Insulation class Mounting : W-6

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. Altitude Approx. weight³ : 601 lb

Protection degree		: IP55		Momer	nt of inertia (J)	: 9	.16 sq.ft.lb	
Design :		: B						
Output [HP]		50	40	40	40	50	50	50
Poles		4	4	4	4	4	4	4
Frequency [Hz]		60	50	50	50	50	50	50
Rated voltage [V]		230/460	380	400	415	380	400	415
Rated current [A]		118/59.2	58.7	57.1	56.4	71.6	68.4	66.3
L. R. Amperes [A]		734/367	376	400	417	372	397	411
LRC [A]		6.2x(Code	6.4x(Code	7.0x(Code H)	7.4x(Code J)	5.2x(Code E)	5.8x(Code F)	6.2x(Code
		G)	G)					G)
No load current [A]]	47.0/23.5	23.0	24.0	25.0	23.0	24.0	25.0
Rated speed [RPN	1]	1775	1470	1475	1478	1460	1465	1470
Slip [%]		1.39	2.00	1.67	1.47	2.67	2.33	2.00
Rated torque [ft.lb]	Rated torque [ft.lb]		143	142	142	180	179	179
Locked rotor torqu	e [%]	229	229	250	260	180	200	210
Breakdown torque	[%]	270	260	300	330	210	240	260
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	105 K
Locked rotor time		27s (cold)	19s (cold)	19s (cold)	19s (cold)	19s (cold)	19s (cold)	19s (cold)
		15s (hot)	11s (hot)	11s (hot)	11s (hot)	11s (hot)	11s (hot)	11s (hot)
Noise level ²		66.0 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%	92.5	91.9	90.6	90.8	93.3	92.2	91.8
Efficiency (%)	50%	93.0	92.5	91.5	91.5	93.0	92.4	92.4
Elliciency (70)	75%	94.1	93.1	92.8	93.0	93.0	93.0	93.0
	100%	94.5	93.6	93.6	93.6	92.4	93.0	93.5
	25%	0.42	0.41	0.38	0.35	0.48	0.45	0.42
Power Factor	50%	0.66	0.64	0.60	0.57	0.72	0.68	0.65
FUWEI FACIOI	75%	0.77	0.77	0.73	0.70	0.81	0.79	0.76
	100%	0.83	0.83	0.81	0.79	0.85	0.84	0.83

Non drive end Foundation loads Drive end

Bearing type 6312 C3 6212 C3 Max. traction : 1482 lb Sealing V'Ring V'Ring : 2083 lb Max. compression

Lubrication interval 14000 h 15000 h Lubricant amount 21 g 13 g

Lubricant type Mobil Polyrex EM

Notes

USABLE @208V 131A SF 1.15 SFA 151A

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



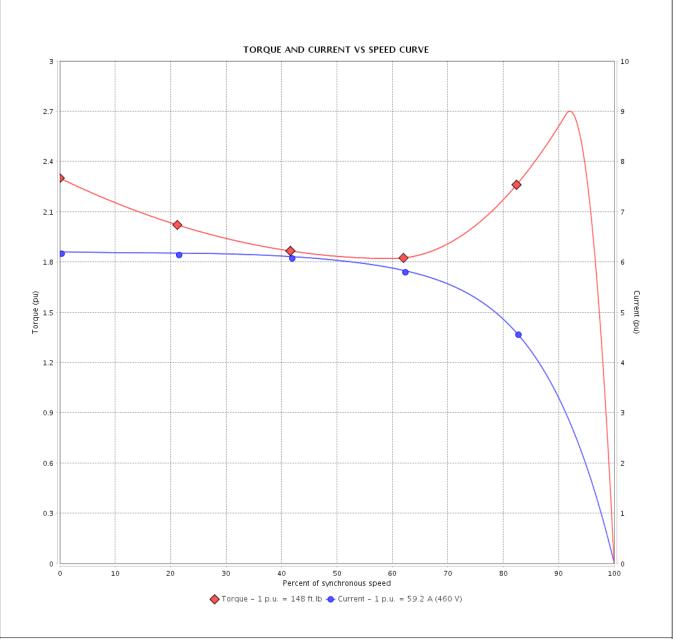
Customer :

Product line : NEMA Premium Efficiency Three- Product code :

Phase

Product code: 11625961

Catalog #: 05018ET3ER326TC-W22



Performance : 230/460 V 60 Hz 4P Rated current : 118/59.2 A Moment of inertia (J) : 9.16 sq.ft.lb **LRC** : 6.2 Duty cycle : Cont.(S1) Insulation class Rated torque : 148 ft.lb : F Locked rotor torque : 229 % Service factor : 1.25 Breakdown torque : 270 % Temperature rise : 80 K Rated speed : 1775 rpm Design : B

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



Revision

Page

3/36

Three Phase Induction Motor - Squirrel Cage Customer Product line : NEMA Premium Efficiency Three-Product code: 11625961 Catalog #: 05018ET3ER326TC-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. = 143 ft.lb ◆ Current - 1 p.u. = 58.7 A (380 V) Performance : 380 V 50 Hz 4P IE3 Rated current : 58.7 A Moment of inertia (J) : 9.16 sq.ft.lb **LRC** : 6.4 Duty cycle : Cont.(S1) Insulation class Rated torque : 143 ft.lb : F Locked rotor torque : 229 % Service factor : 1.00 Breakdown torque : 260 % Temperature rise : 80 K Rated speed : 1470 rpm Design : B Locked rotor time : 19s (cold) 11s (hot) Performed Checked Date Rev. **Changes Summary**

Performed by Checked by

Date

12/04/2022

Three Phase Induction Motor - Squirrel Cage



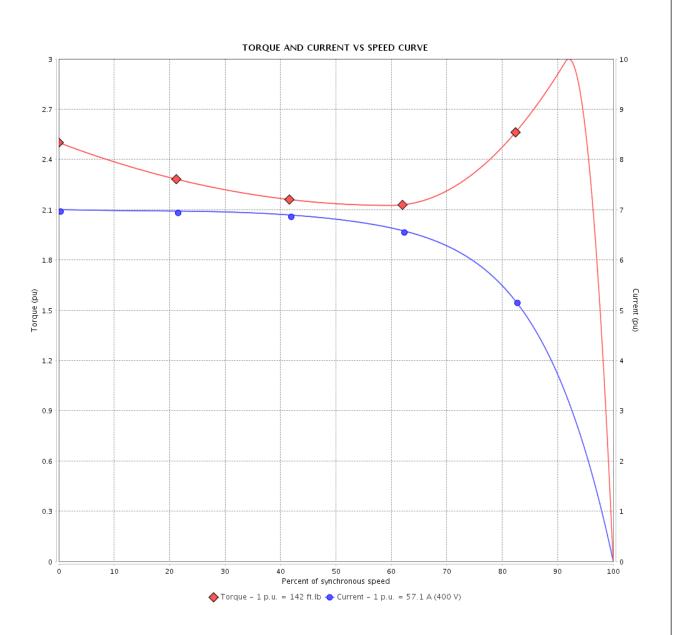
Customer :

Product line : NEMA Premium Efficiency Three- Product code :

Phase

Product code: 11625961

Catalog #: 05018ET3ER326TC-W22



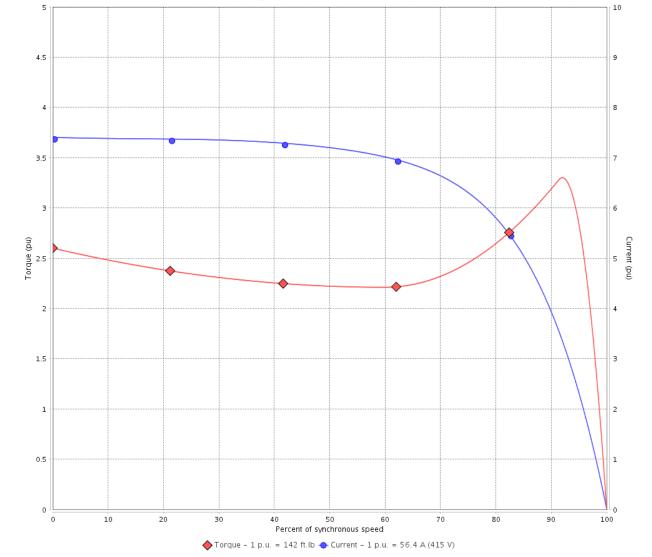
Performance	: 400 V 50 Hz 4P IE3		
Rated current	: 57.1 A	Moment of inertia (J)	: 9.16 sq.ft.lb
LRC Rated torque	: 7.0 : 142 ft.lb	Duty cycle Insulation class	: Cont.(S1) : F
Locked rotor torque	: 250 %	Service factor	: 1.00
Breakdown torque	: 300 %	Temperature rise	: 80 K
Rated speed	: 1475 rpm	Design	: B

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

Three Phase Induction Motor - Squirrel Cage



Customer Product line : NEMA Premium Efficiency Three-Product code: 11625961 Catalog #: 05018ET3ER326TC-W22 TORQUE AND CURRENT VS SPEED CURVE



Performance	: 415 V 50 Hz 4P IE3			
Rated current	: 56.4 A	Moment of inertia (J)	: 9.16 sq.ft.lb	
LRC	: 7.4	Duty cycle	: Cont.(S1)	
Rated torque	: 142 ft.lb	Insulation class	: F	
Locked rotor torque	: 260 %	Service factor	: 1.00	
Breakdown torque	: 330 %	Temperature rise	: 80 K	
Rated speed	: 1478 rpm	Design	: B	
Locked rotor time	: 19s (cold) 11s (hot)			

d) 11s (hot)
l

Rev.		Changes Summary	Performed	Checked	Date
Performed by					
Checked by				Page	Revision
Date	12/04/2022			5 / 36	

Three Phase Induction Motor - Squirrel Cage

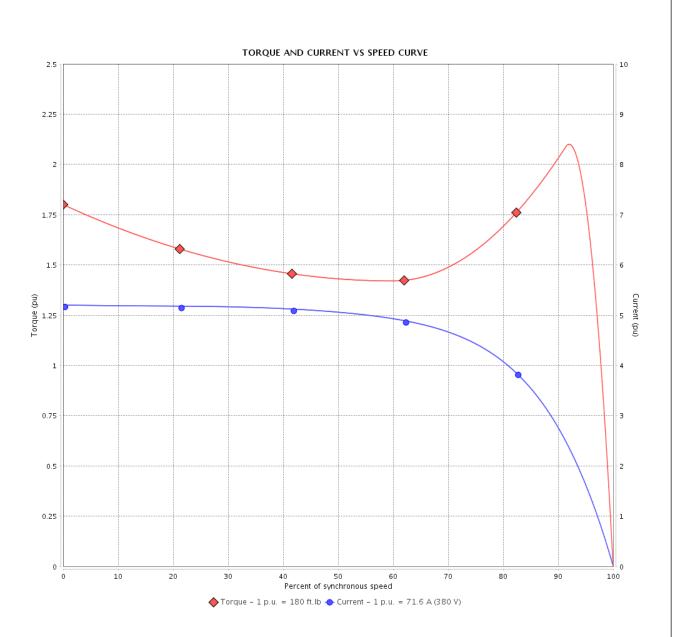


Customer :

Product line : NEMA Premium Efficiency Three- Product code : 11625961

Phase

Catalog #: 05018ET3ER326TC-W22



Performance	: 380 V 50 Hz 4P IE1			
Rated current	: 71.6 A	Moment of inertia (J)	: 9.16 sq.ft.lb	
LRC	: 5.2	Duty cycle	: Cont.(S1)	
Rated torque	: 180 ft.lb	Insulation class	:F	
Locked rotor torque	: 180 %	Service factor	: 1.00	
Breakdown torque	: 210 %	Temperature rise	: 105 K	
Rated speed	: 1460 rpm	Design	: B	

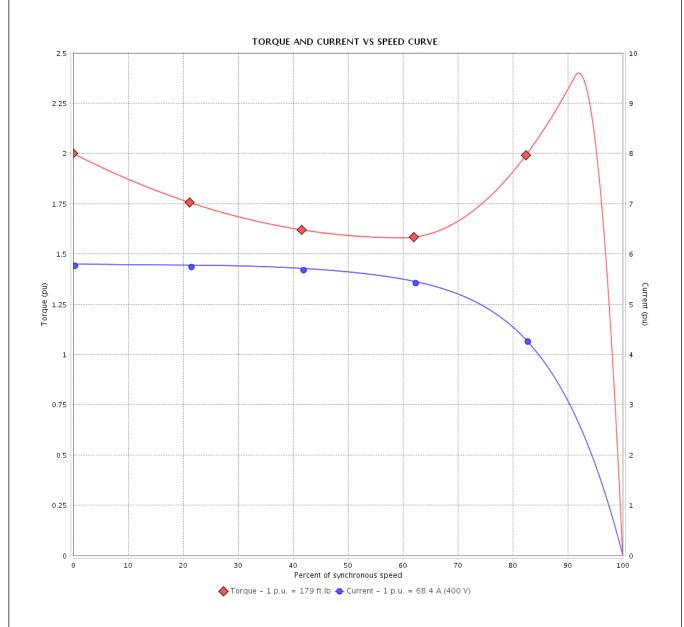
Rev.	Changes Summary		Performed	Checked	Date
Performed by					
Checked by				Page	Revision
Date	12/04/2022			6 / 36	

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : NEMA Premium Efficiency Three-Product code : 11625961
Phase Catalog # : 05018ET3ER326TC-W22



Performance	: 400 V 50 Hz 4P IE2			
Rated current	: 68.4 A	Moment of inertia (J)	: 9.16 sq.ft.lb	
LRC	: 5.8	Duty cycle	: Cont.(S1)	
Rated torque	: 179 ft.lb	Insulation class	: F	
Locked rotor torque	: 200 %	Service factor	: 1.00	
Breakdown torque	: 240 %	Temperature rise	: 105 K	
Rated speed	: 1465 rpm	Design	: B	
Locked rotor time	: 19s (cold) 11s (hot)			

Rev.		Changes Summary	Performed	Checked	Date
Performed by					
Checked by				Page	Revision
Date	12/04/2022			7 / 36	

Three Phase Induction Motor - Squirrel Cage

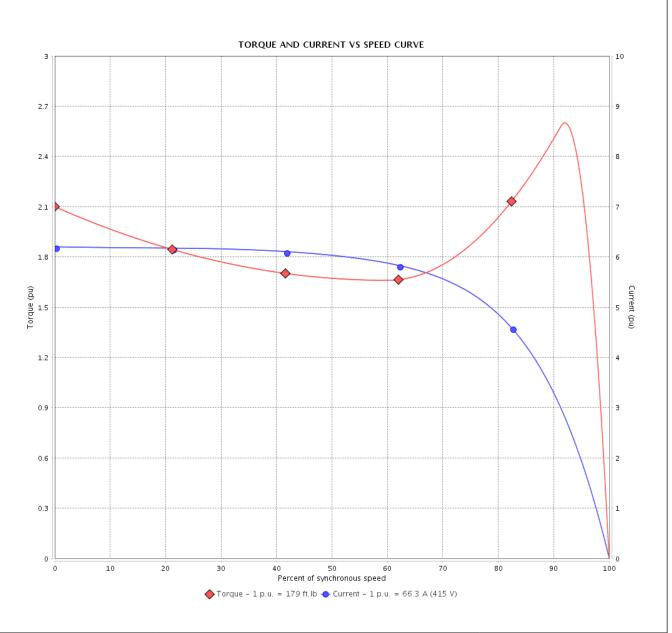


Customer :

Product line : NEMA Premium Efficiency Three- Product code : 11625961

Phase

Catalog #: 05018ET3ER326TC-W22



Performance	: 415 V 50 Hz 4P IE2		
Rated current LRC	: 66.3 A : 6.2	Moment of inertia (J) Duty cycle	: 9.16 sq.ft.lb : Cont.(S1)
Rated torque	: 179 ft.lb	Insulation class	: F
Locked rotor torque Breakdown torque	: 210 % : 260 %	Service factor Temperature rise	: 1.00 : 105 K
Rated speed	: 1470 rpm	Design	: B
Locked reter time	: 10s (cold) 11s (bot)	1	

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

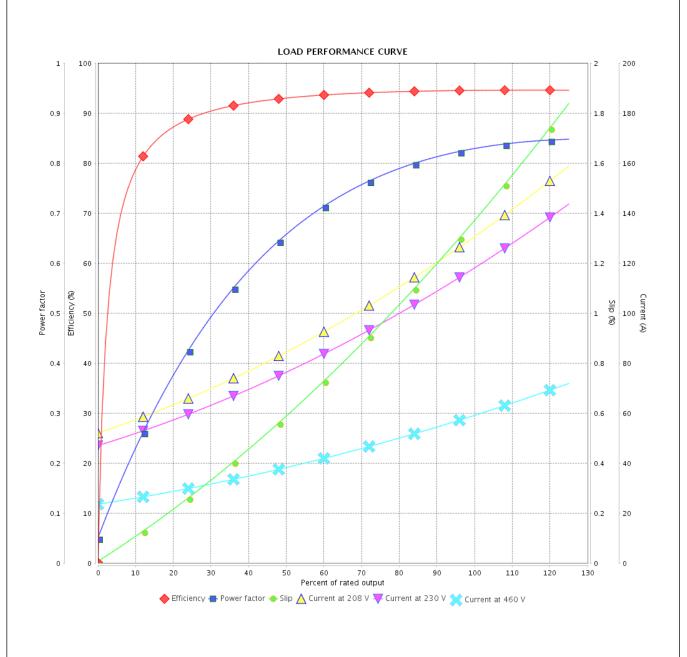
Three Phase Induction Motor - Squirrel Cage



Customer

Product line : NEMA Premium Efficiency Three- Product code : 11625961

Phase



Performance	:	230/460 V 60 Hz 4P				
Rated current	:	118/59.2 A	Moment o	f inertia (J)	: 9.16 sq.ft.lb	
LRC	:	6.2	Duty cycle)	: Cont.(S1)	
Rated torque	:	148 ft.lb	Insulation	class	: F	
Locked rotor torqu	e :	229 %	Service fa	ctor	: 1.25	
Breakdown torque	:	270 % Temperature rise		ıre rise	ise : 80 K	
Rated speed	:	1775 rpm	Design		: B	
Rev.		Changes Summary		Performed	Checked	Date
Performed by						
Checked by					Page	Revision
Date	12/04/2022				9 / 36	

Three Phase Induction Motor - Squirrel Cage



Customer :

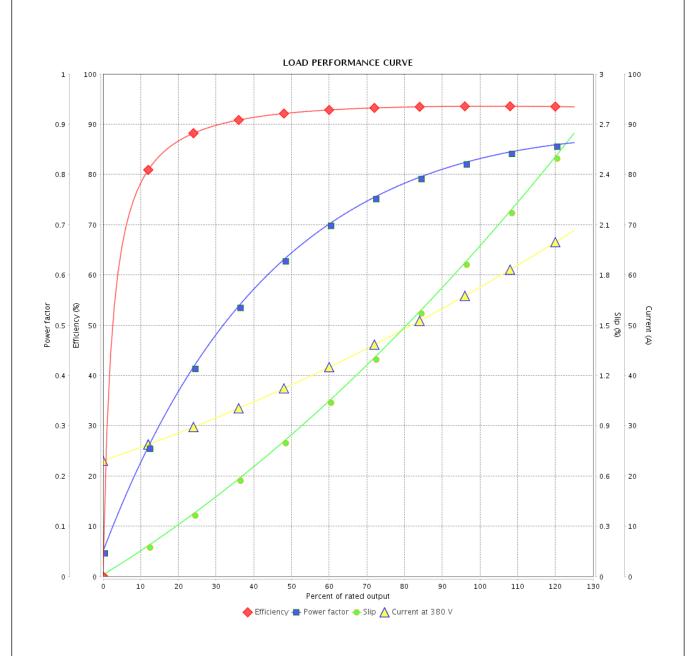
Product line : NEMA Premium Efficiency Three- Product code :

Phase

Catalog #: 05018ET3ER326TC-W22

10/36

11625961



Performance	: 380 V 50 Hz 4P IE3			
Rated current LRC Rated torque Locked rotor torque Breakdown torque Rated speed	: 58.7 A : 6.4 : 143 ft.lb : 229 % : 260 % : 1470 rpm	Moment of inertia (J) Duty cycle Insulation class Service factor Temperature rise Design	: 9.16 sq.ft.lb : Cont.(S1) : F : 1.00 : 80 K : B	
Rev.	Changes Summary	Performed	Checked	Date
Performed by				
Checked by			Page	Revision

12/04/2022

Date

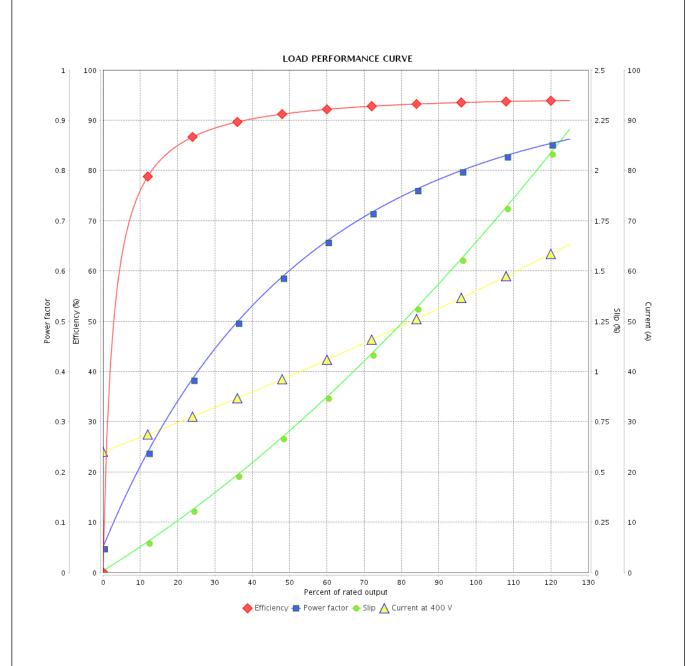
Three Phase Induction Motor - Squirrel Cage



Customer

Product line : NEMA Premium Efficiency Three- Product code : 11625961

Phase



Performance	:	400 V 50 Hz 4P IE3				
Rated current	:	57.1 A	Moment o	f inertia (J)	: 9.16 sq.ft.lb	
LRC	:	7.0	Duty cycle	}	: Cont.(S1)	
Rated torque	:	142 ft.lb	Insulation	class	: F	
Locked rotor torque	e :	250 %	Service fa	ctor	: 1.00	
Breakdown torque	:	: 300 % Temp		ıre rise	: 80 K	
Rated speed	:	1475 rpm	Design		: B	
Rev.		Changes Summary		Performed	Checked	Date
Performed by						
Checked by					Page	Revision
Date	12/04/2022				11 / 36	

Three Phase Induction Motor - Squirrel Cage



Customer :

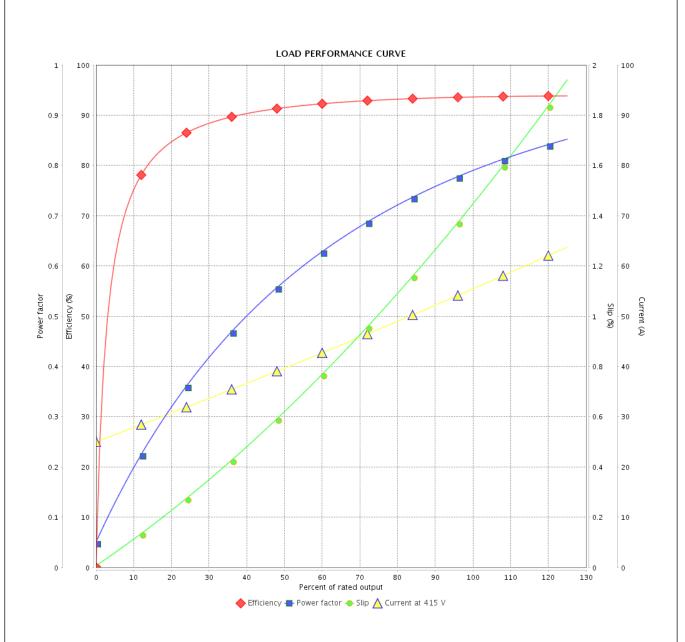
Product line : NEMA Premium Efficiency Three- Product

Phase

Product code: 11625961

Catalog #: 05018ET3ER326TC-W22

12/36



Performance	: 415 V 50 Hz 4P IE3				
Rated current LRC Rated torque Locked rotor torque Breakdown torque Rated speed	: 56.4 A : 7.4 : 142 ft.lb : 260 % : 330 % : 1478 rpm	Moment of inertia (J) Duty cycle Insulation class Service factor Temperature rise Design		: 9.16 sq.ft.lb : Cont.(S1) : F : 1.00 : 80 K : B	
Rev.	Changes Summary		Performed	Checked	Date
Performed by					
Checked by				Page	Revision

12/04/2022

Date

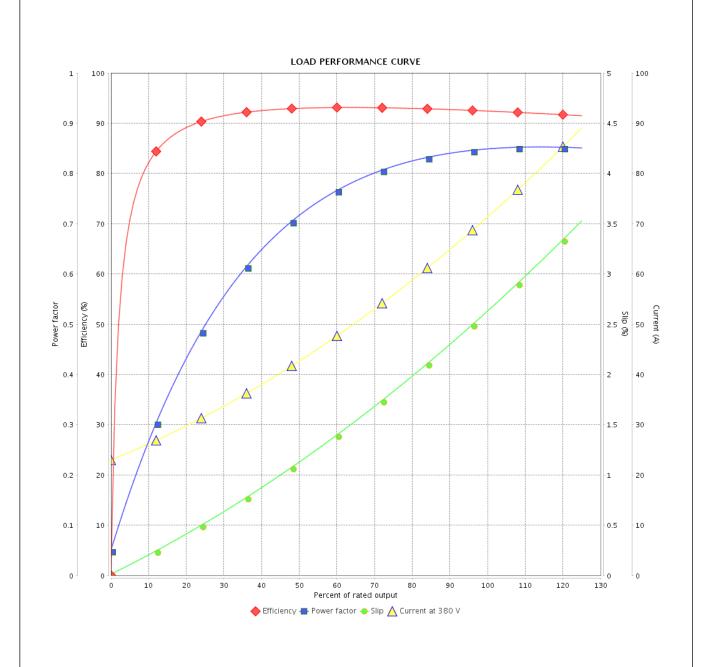
Three Phase Induction Motor - Squirrel Cage



Customer

Product line : NEMA Premium Efficiency Three- Product code : 11625961

Phase



Performance	: 3	380 V 50 Hz 4P IE1				
Rated current	: 7	71.6 A	Moment o	f inertia (J)	: 9.16 sq.ft.lb	
LRC	: 5	5.2	Duty cycle	}	: Cont.(S1)	
Rated torque	: 1	180 ft.lb	Insulation	class	:F	
Locked rotor torqu	ie : 1	180 %	Service fa	ctor	: 1.00	
Breakdown torque	: 2	210 % Temperature rise		ıre rise	: 105 K	
Rated speed	: 1	1460 rpm	Design		: B	
Rev.		Changes Summa	ry	Performed	Checked	Date
Performed by						
Checked by					Page	Revision
Date	12/04/2022				13 / 36	

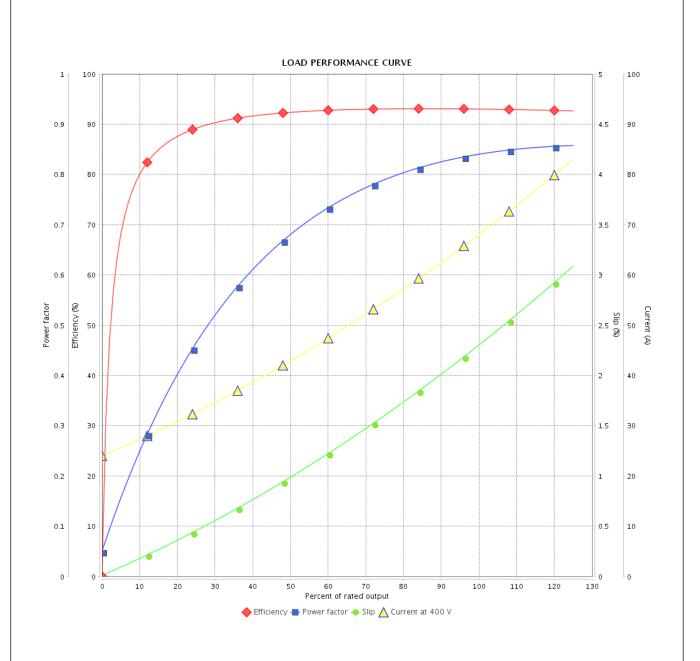
Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : NEMA Premium Efficiency Three- Product code : 11625961

Phase



Performance	: 40	00 V 50 Hz 4P IE2				
Rated current	: 68	68.4 A Moment of		of inertia (J)	: 9.16 sq.ft.lb	
LRC	: 5.	8	Duty cycle	е	: Cont.(S1)	
Rated torque	: 1	79 ft.lb	Insulation	class	: F	
Locked rotor torq	ue : 20	00 %	Service fa	actor	: 1.00	
Breakdown torqu		40 %	Temperat	Temperature rise		
Rated speed	: 14	465 rpm	Design		: B	
Rev.		Changes Summary	 	Performed	Checked	Date
Performed by						
Checked by					Page	Revision
Date	12/04/2022	1			14 / 36	

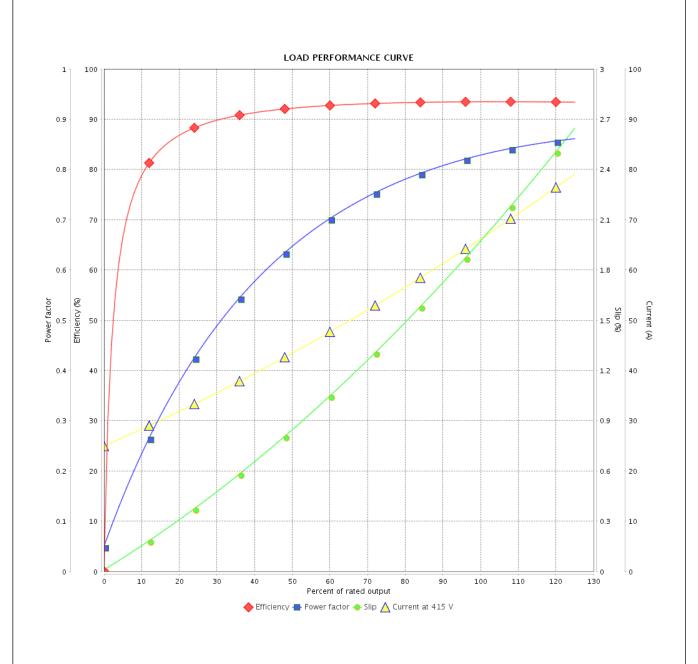
Three Phase Induction Motor - Squirrel Cage



Customer

Product line : NEMA Premium Efficiency Three- Product code : 11625961

Phase



Performance	: 4	415 V 50 Hz 4P IE2				
Rated current	: 6	66.3 A	Moment o	f inertia (J)	: 9.16 sq.ft.lb	
LRC	: 6	3.2	Duty cycle	;	: Cont.(S1)	
Rated torque	: 1	179 ft.lb	Insulation	class	: F	
Locked rotor torqu	e :2	210 %	Service fa	ctor	: 1.00	
Breakdown torque	: 2	: 260 % Temperat		ıre rise	: 105 K	
Rated speed	: ′	1470 rpm	Design		: B	
Rev.		Changes Summar	у	Performed	Checked	Date
Performed by						
Checked by					Page	Revision
Date	12/04/2022				15 / 36	

Three Phase Induction Motor - Squirrel Cage

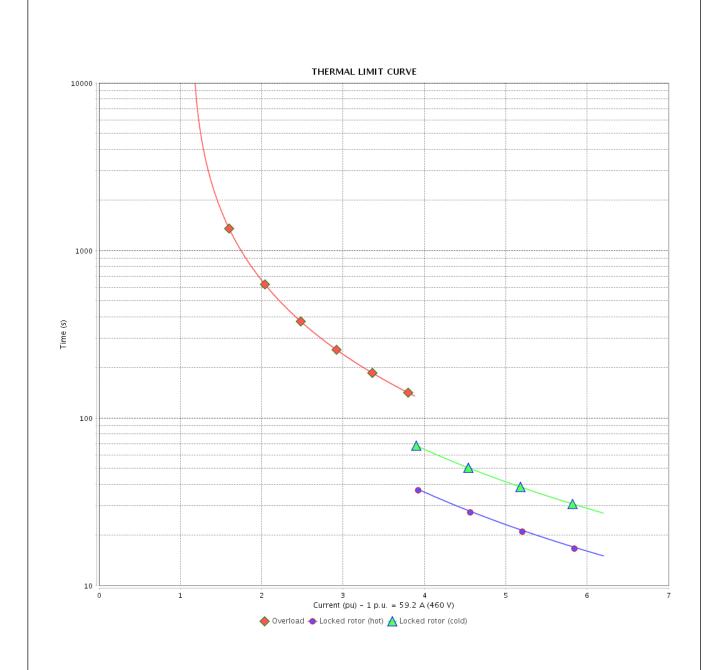


				<u> </u>
Customer	:			
Product line	: NEMA Premium Efficiency Phase		11625961	
		Catalog #:	05018ET3ER3	326TC-W22
Performance	: 230/460 V 60 Hz 4P	Managed of in antic (1)	. 0.40 # 11-	
Rated current LRC	: 118/59.2 A : 6.2	Moment of inertia (J) Duty cycle	: 9.16 sq.ft.lb : Cont.(S1)	
Rated torque	: 148 ft.lb	Insulation class	: F	
Locked rotor torque	: 229 %	Service factor	: 1.25	
Breakdown torque Rated speed	: 270 % : 1775 rpm	Temperature rise Design	: 80 K : B	
Heating constant				
Cooling constant				
Rev.	Changes Summary	Performed	Checked	Date
Performed by				D ' '
Checked by	2000		Page	Revision
	0000		16/36	

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

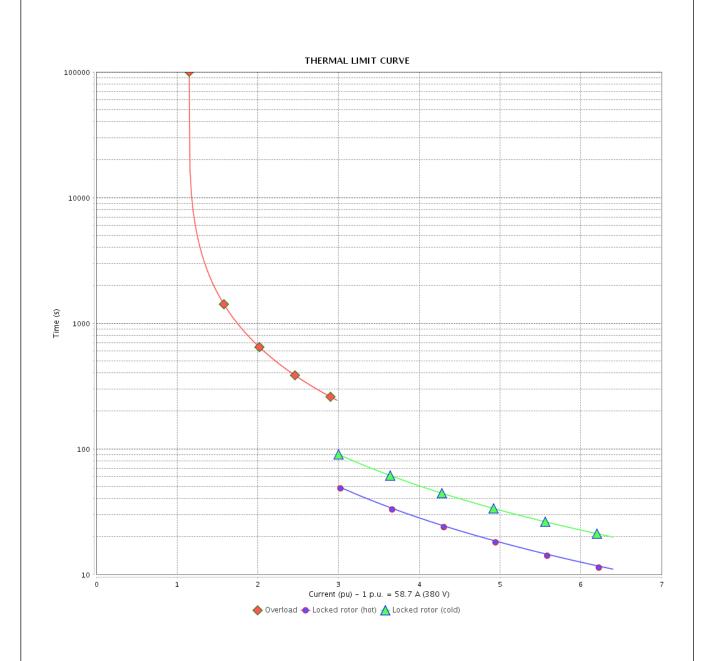


Customer	:				
Product line	: NEMA Premium Efficiency Phase		Product code :	11625961	
			Catalog # :	05018ET3ER	326TC-W22
Performance	: 380 V 50 Hz 4P IE3				
Rated current	: 58.7 A : 6.4	Moment o	of inertia (J)	: 9.16 sq.ft.lb	
LRC Rated torque	: 6.4 : 143 ft.lb	Duty cycle	, class	: Cont.(S1) : F	
Locked rotor torque	: 229 %	Service fa		: 1.00	
Breakdown torque Rated speed	: 260 % : 1470 rpm	Temperati Design		: 80 K : B	
Heating constant					
Cooling constant					
Rev.	Changes Summary		Performed	Checked	Date
Performed by				Dari	Davidad
Checked by				Page	Revision
1)2ta 12/04/20	ו ניניו			10/26	

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

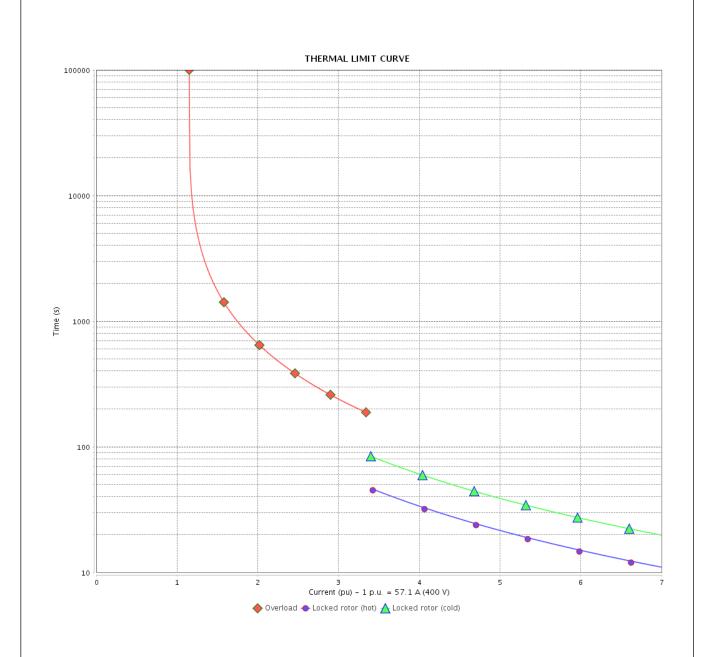


Customer	<u>:</u>				
340.011101	·				
Product line	: NEMA Pren Phase	nium Efficiency Three-	Product code :	11625961	
	Priase		Catalog # :	05018ET3ER3	326TC-W22
D. f.	40014-011	4D 150			
Performance Rated current	: 400 V 50 Hz : 57.1 A		of inertia (J)	: 9.16 sq.ft.lb	
LRC	: 7.0	Duty cyc	ele	: Cont.(S1)	
Rated torque Locked rotor torque	: 142 ft.lb : 250 %	Insulatio Service		: F : 1.00	
Breakdown torque	: 300 %	Tempera		: 80 K	
Rated speed	: 1475 rpm	Design		: B	
Heating constant					
Cooling constant Rev.	Changes S	Summary	Performed	Checked	Date
IXEV.	Onanges o	Zaminary	1 GHOIIIIEG	Oneoked	Date
Performed by					
Checked by				Page	Revision
Date	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

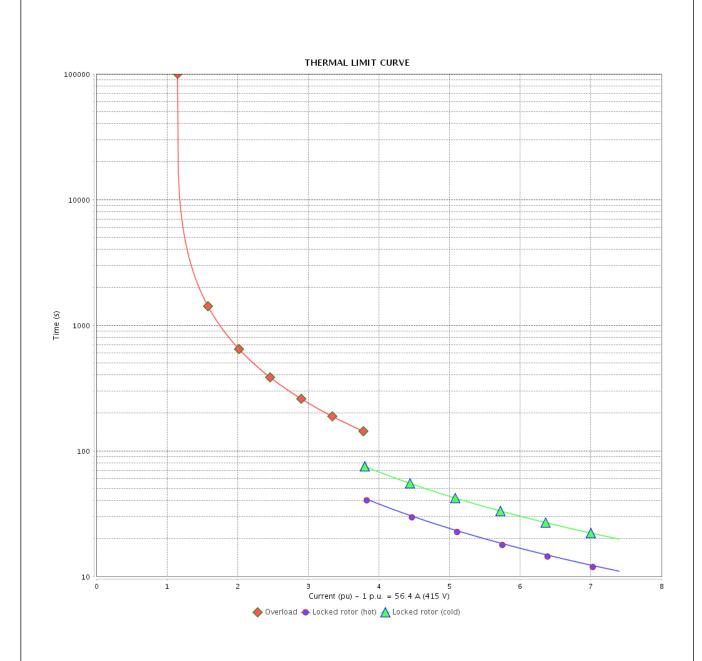


Customer	:				
Product line	: NEMA Premium Efficiend Phase		Product code : Catalog # :	11625961 05018ET3ER	326TC-W22
				OSCIOLISTIC	32010-W22
Performance Rated current LRC Rated torque	: 415 V 50 Hz 4P IE3 : 56.4 A : 7.4 : 142 ft.lb	Moment o	of inertia (J)	: 9.16 sq.ft.lb : Cont.(S1) : F	
Locked rotor torque Breakdown torque Rated speed	: 260 % : 330 % : 1478 rpm	Service fa Temperati Design	ctor	: 1.00 : 80 K : B	
Heating constant Cooling constant Rev.	Changes Summary		Performed	Checked	Date
Performed by Checked by	2.1/2000		l	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			23 / 36	

Three Phase Induction Motor - Squirrel Cage

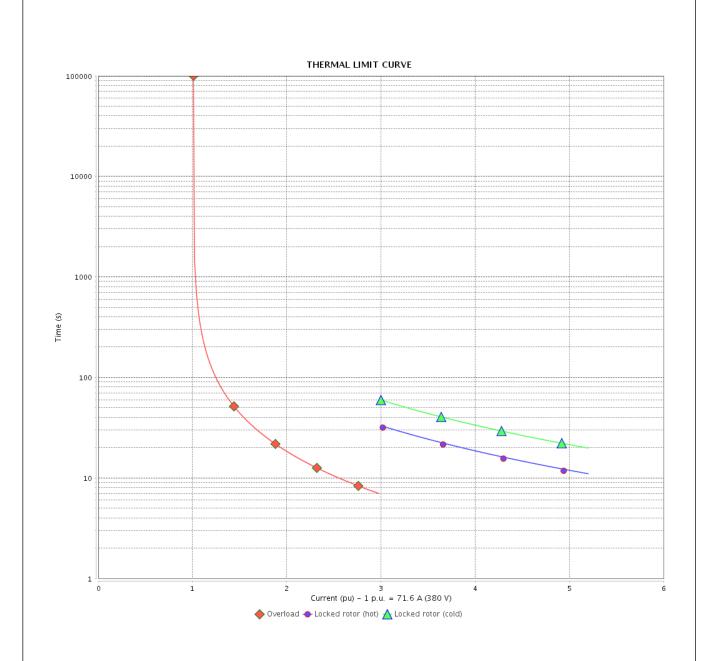


Customer	:				
Product line	: NEMA Premium Efficiency ⁻ Phase		Product code :	11625961	
		(Catalog # :	05018ET3ER	326TC-W22
	: 380 V 50 Hz 4P IE1				
LRC Rated torque Locked rotor torque Breakdown torque	: 71.6 A : 5.2 : 180 ft.lb : 180 % : 210 % : 1460 rpm	Moment of Duty cycle Insulation Service fa Temperatu Design	class ctor	: 9.16 sq.ft.lb : Cont.(S1) : F : 1.00 : 105 K : B	
		_ 50.911		- -	
Heating constant					
Cooling constant	Changes Summany		Dorformed	Choolead	Doto
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	12/04/2022			25 / 36	

Three Phase Induction Motor - Squirrel Cage

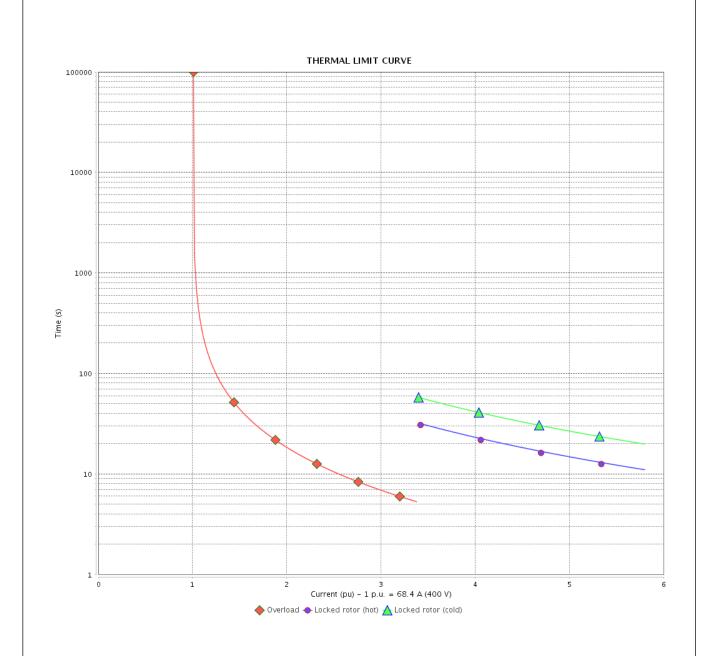


Customer		:				
Product line		: NEMA Premium Efficiency Phase		Product code : Catalog # :	11625961 05018ET3ER3	326TC-W22
Performance		: 400 V 50 Hz 4P IE2				
Rated current LRC Rated torque Locked rotor tord Breakdown torqu Rated speed	que Je	: 68.4 A : 5.8 : 179 ft.lb : 200 % : 240 % : 1465 rpm	Moment of Duty cycle Insulation Service fa Temperate Design	class ctor	: 9.16 sq.ft.lb : Cont.(S1) : F : 1.00 : 105 K : B	
Heating constan	t					
Cooling constant						
Rev.		Changes Summary		Performed	Checked	Date
Performed by Checked by					Page	Revision
Date	12/04/2022				26 / 36	

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

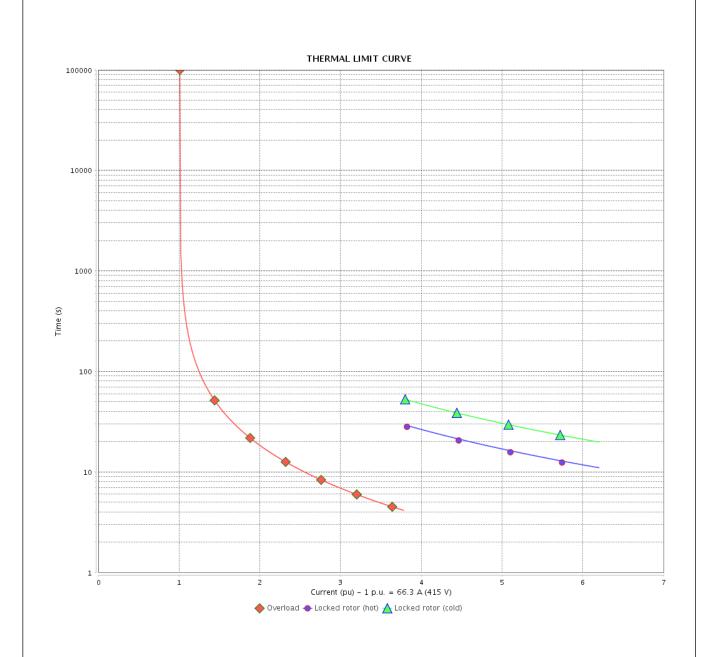


Customer		:				
Product line		: NEMA Premium Efficiency Phase		Product code : Catalog # :	11625961 05018ET3ER3	326TC-W22
Performance		: 415 V 50 Hz 4P IE2				
Rated current LRC Rated torque		: 66.3 A : 6.2 : 179 ft.lb	Duty cycle Insulation	class	: 9.16 sq.ft.lb : Cont.(S1) : F	
Locked rotor tord Breakdown torqu Rated speed	ie	: 210 % : 260 % : 1470 rpm	Service fa Temperati Design		: 1.00 : 105 K : B	
Heating constant	t					
Cooling constant Rev.		Changes Summary		Performed	Checked	Date
Performed by					_	
Checked by	12/04/2022				Page 28 / 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			29 / 36	

Three Phase Induction Motor - Squirrel Cage



Customer :

Checked by

Date

12/04/2022

Product line : NEMA Premium Efficiency Three-

Phase

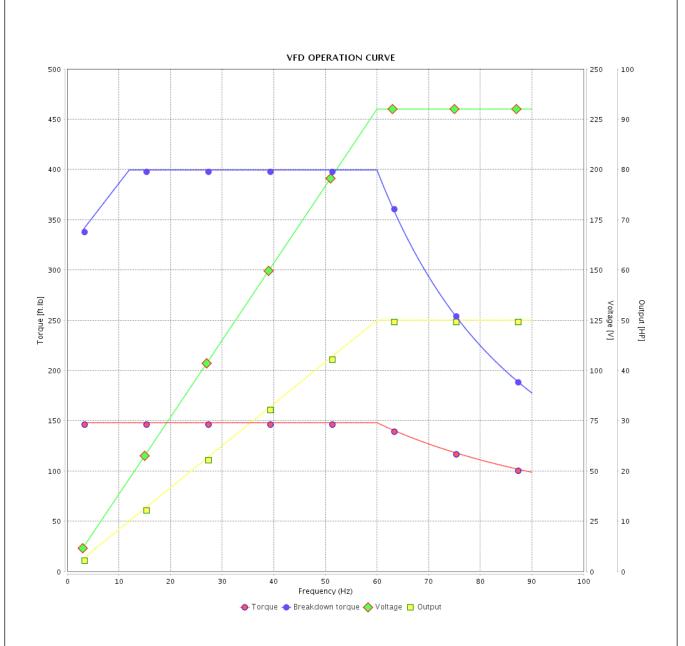
Product code: 11625961

Catalog #: 05018ET3ER326TC-W22

Page

30 / 36

Revision



Performance : 230/460 V 60 Hz 4P : 118/59.2 A Rated current Moment of inertia (J) : 9.16 sq.ft.lb **LRC** : 6.2 Duty cycle : Cont.(S1) Insulation class : 148 ft.lb : F Rated torque Locked rotor torque : 229 % Service factor : 1.25 Breakdown torque : 270 % Temperature rise : 80 K Rated speed : 1775 rpm Design : B Rev. Performed Checked Date **Changes Summary** Performed by

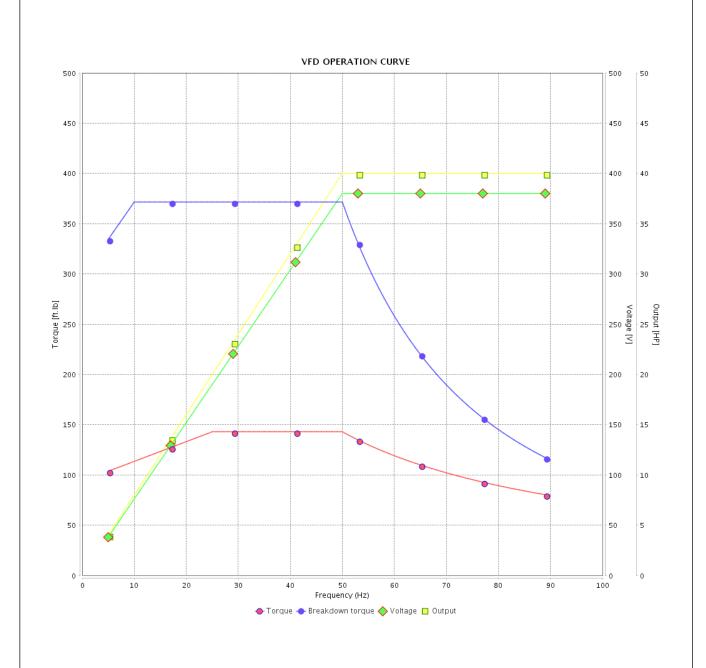
Three Phase Induction Motor - Squirrel Cage



Customer

Product line : NEMA Premium Efficiency Three- Product code : 11625961

Phase



Performance	: 38	30 V 50 Hz 4P IE3				
Rated current	: 58	3.7 A	Moment of	f inertia (J)	: 9.16 sq.ft.lb	
LRC	: 6.	4	Duty cycle	•	: Cont.(S1)	
Rated torque	: 14	43 ft.lb	Insulation	class	: F	
Locked rotor torq	ue : 22	29 %	Service fa	ctor	: 1.00	
Breakdown torqu	e : 20	60 %	Temperati	ure rise	: 80 K	
Rated speed	: 14	470 rpm	Design		: B	
Rev.		Changes Summa	ry	Performed	Checked	Date
Performed by						
Checked by					Page	Revision
Date	12/04/2022				31 / 36	

Three Phase Induction Motor - Squirrel Cage



Revision

Page

32 / 36

Customer :

Checked by

Date

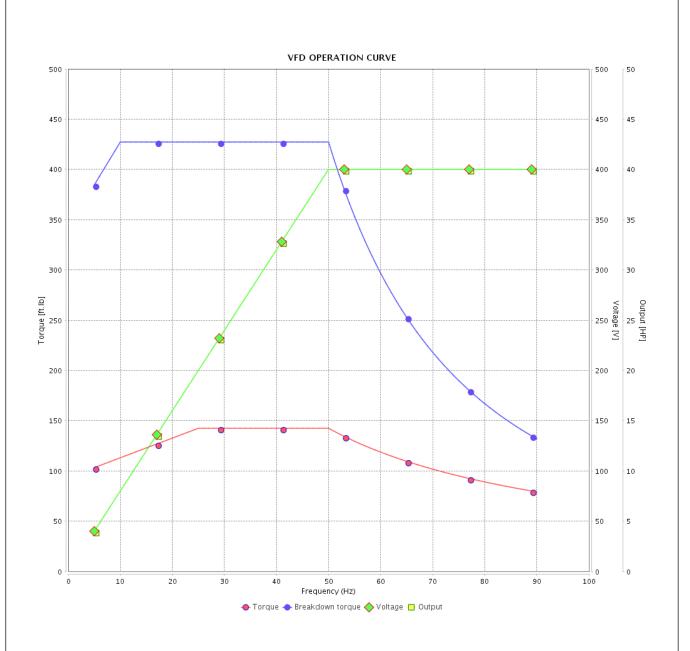
12/04/2022

Product line : NEMA Premium Efficiency Three-

Phase

Product code: 11625961

Catalog #: 05018ET3ER326TC-W22



Performance : 400 V 50 Hz 4P IE3 Rated current : 57.1 A Moment of inertia (J) : 9.16 sq.ft.lb **LRC** : 7.0 Duty cycle : Cont.(S1) Insulation class : 142 ft.lb : F Rated torque Locked rotor torque : 250 % Service factor : 1.00 Breakdown torque : 300 % Temperature rise : 80 K Rated speed : 1475 rpm Design : B Rev. Performed Checked **Changes Summary** Date Performed by

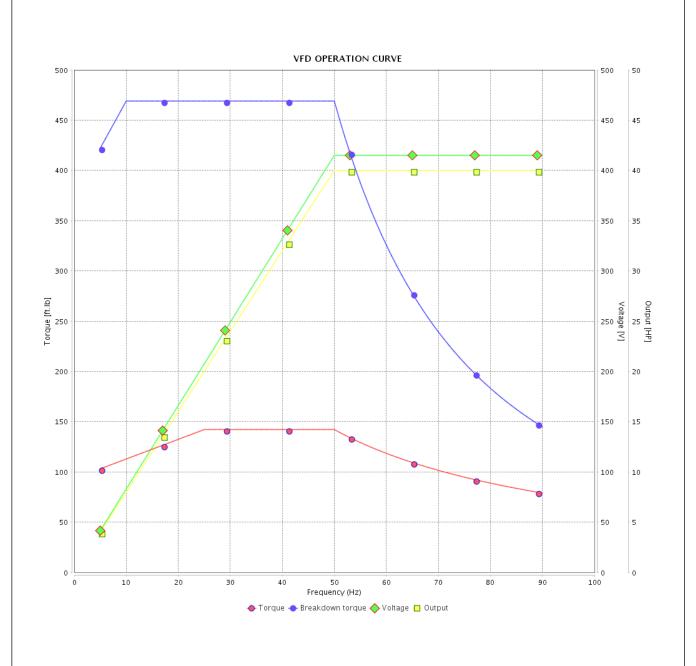
Three Phase Induction Motor - Squirrel Cage



Customer

Product line : NEMA Premium Efficiency Three- Product code : 11625961

Phase



Performance		: 415 V 50 Hz 4P IE3					
Rated current		56.4 A	Moment of inertia (J)		: 9.16 sq.ft.lb		
LRC		7.4	Duty cycle		: Cont.(S1)		
Rated torque		: 142 ft.lb Insulation		class	: F		
Locked rotor torque	e :	260 %	Service factor		: 1.00		
Breakdown torque	:	330 %	Temperati	Temperature rise Design			
Rated speed	:	1478 rpm	Design				
Rev. Changes Summary			Performed	Checked	Date		
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

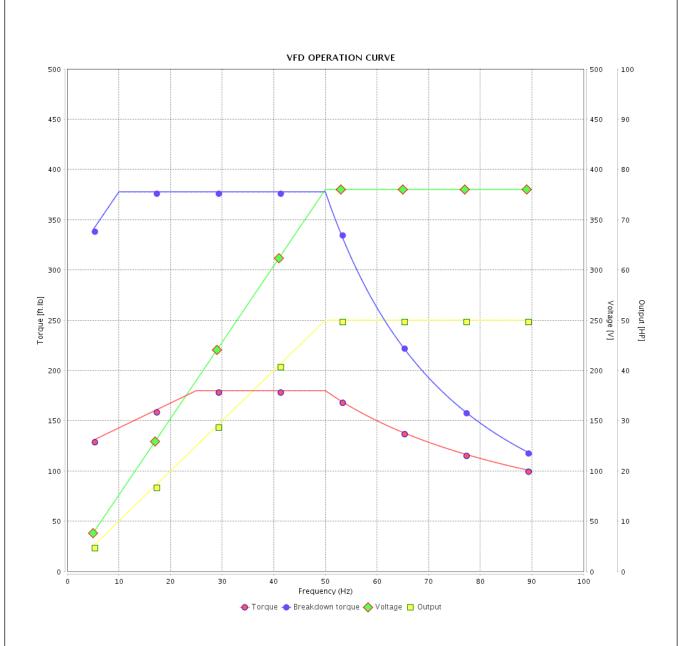
Product code: 11625961

Catalog #: 05018ET3ER326TC-W22

Page

34 / 36

Revision



Performance : 380 V 50 Hz 4P IE1 : 71.6 A Rated current Moment of inertia (J) : 9.16 sq.ft.lb **LRC** : 5.2 Duty cycle : Cont.(S1) : 180 ft.lb Insulation class : F Rated torque Locked rotor torque : 180 % Service factor : 1.00 Breakdown torque : 210 % Temperature rise : 105 K Rated speed : 1460 rpm Design : B Rev. Performed Checked Date **Changes Summary** Performed by

Three Phase Induction Motor - Squirrel Cage



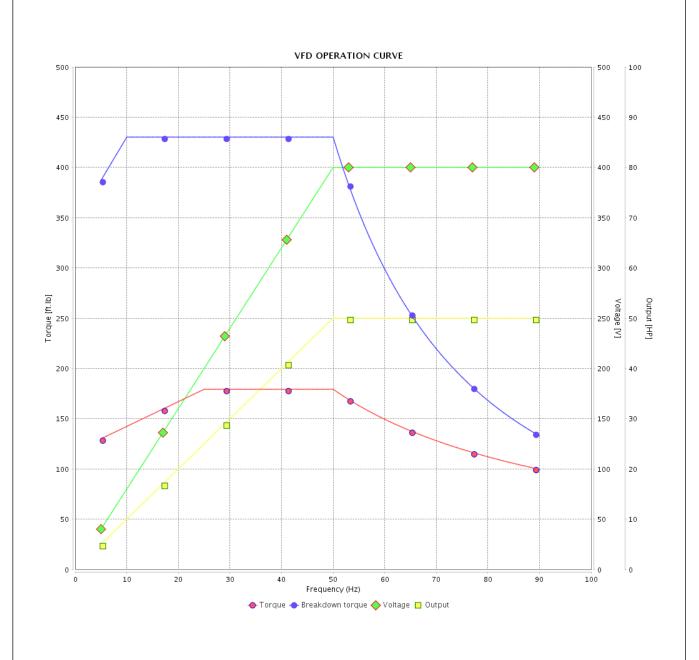
Customer

Product line : NEMA Premium Efficiency Three- Product code : 11625961

Phase

Catalog #: 05018ET3ER326TC-W22

35 / 36



Performance	: 400 V 50 Hz 4P IE2				
Rated current LRC Rated torque Locked rotor torque Breakdown torque Rated speed	: 68.4 A : 5.8 : 179 ft.lb : 200 % : 240 % : 1465 rpm	Moment of inertia (J) Duty cycle Insulation class Service factor Temperature rise Design		: 9.16 sq.ft.lb : Cont.(S1) : F : 1.00 : 105 K : B	
Rev.	Changes Summary		ormed	Checked	Date
Performed by					
Checked by				Page	Revision

12/04/2022

Date

Three Phase Induction Motor - Squirrel Cage



Customer :

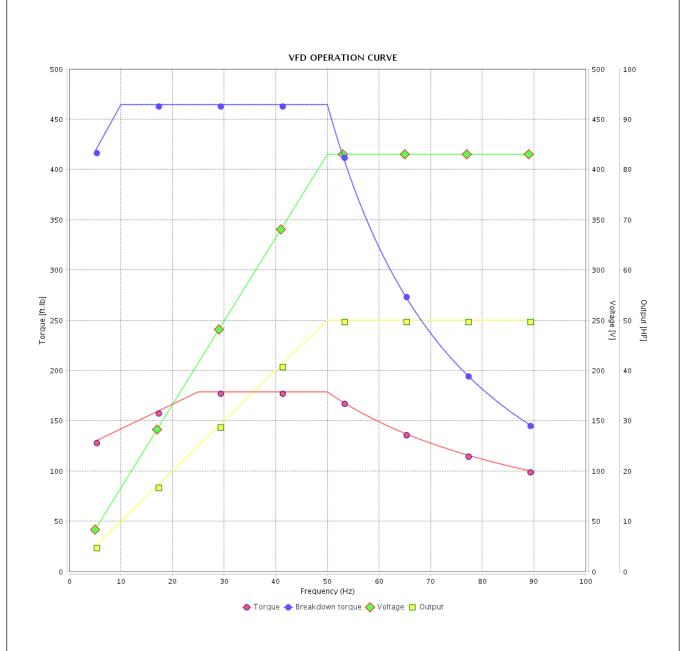
Product line : NEMA Premium Efficiency Three-

Phase

Product code: 11625961

Catalog #: 05018ET3ER326TC-W22

36 / 36



Performance	: 4	115 V 50 Hz 4P IE2	2			
Rated current LRC	: 6	66.3 A 6.2	Duty cycle	Moment of inertia (J) Duty cycle		
Rated torque Locked rotor tord Breakdown torgu	que : 2	: 179 ft.lb Insulation cla : 210 % Service facto : 260 % Temperature		ctor : 1.00		
Rated speed		1470 rpm	Temperature rise Design		: B	
Rev.		Changes Summary		Performed	Checked	Date
Performed by						
Checked by					Page	Revision

12/04/2022

Date

