DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer

Product line : NEMA Premium Efficiency Three-Product code: 11431306

Catalog #: 05036ST3QIE326TS-W22

Frame : 324/6TS 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

Altitude : 1000 m.a.s.l. Approx. weight³ : 560 lb

/ tititude		. 1000 III.a.	J.I.	/ \ppi 0/	. weigin	. 0	00 10	
Protection degree	Э	: IP55		Momer	nt of inertia (J)	: 5	.75 sq.ft.lb	
Design		: B						
Output [HP]		50	40	40	40	50	50	50
Poles		2	2	2	2	2	2	2
Frequency [Hz]		60	50	50	50	50	50	50
Rated voltage [V]		460	380	400	415	380	400	415
Rated current [A]		56.7	54.9	52.7	51.4	69.4	65.4	63.3
L. R. Amperes [A]		357	362	374	370	361	366	392
LRC [A]		6.3x(Code	6.6x(Code	7.1x(Code H)	7.2x(Code H)	5.2x(Code E)	5.6x(Code F)	6.2x(Code
		G)	G)					G)
No load current [A]		14.0	13.0	14.0	15.0	13.0	14.0	15.0
Rated speed [RPM	1]	3555	2955	2960	2965	2935	2945	2950
Slip [%]		1.25	1.50	1.33	1.17	2.17	1.83	1.67
Rated torque [ft.lb]		73.9	71.1	71.0	70.8	89.5	89.2	89.0
Locked rotor torqu	e [%]	240	240	260	280	190	210	229
Breakdown torque	[%]	229	229	250	280	200	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	105 K
Locked rotor time		63s (cold)	68s (cold)	64s (cold)	61s (cold)	37s (cold)	43s (cold)	43s (cold)
		35s (hot)	38s (hot)	36s (hot)	34s (hot)	21s (hot)	24s (hot)	24s (hot)
Noise level ²		76.0 dB(A)	72.0 dB(A)	72.0 dB(A)	72.0 dB(A)	72.0 dB(A)	72.0 dB(A)	72.0 dB(A)
	25%	92.9	92.3	91.6	91.9	94.2	93.6	93.4
Efficiency (%)	50%	93.0	92.8	92.2	92.2	93.0	93.0	93.0
Lilloleticy (70)	75%	93.0	92.9	92.8	93.1	92.4	92.4	93.0
	100%	93.0	93.3	93.3	93.3	91.0	91.7	92.4
	25%	0.58	0.58	0.55	0.52	0.65	0.61	0.59
Power Factor	50%	0.81	0.80	0.77	0.76	0.85	0.83	0.82
Fower Factor	75%	0.87	0.87	0.85	0.84	0.88	0.87	0.86
	100%	0.88	0.89	0.88	0.87	0.89	0.89	0.88

Non drive end Drive end Foundation loads

Bearing type 6312 C3 6212 C3 Max. traction : 471 lb Sealing Inpro/Seal Inpro/Seal : 1031 lb Max. compression

Lubrication interval 12000 h 15000 h Lubricant amount 21 g 13 g

Lubricant type Mobil Polyrex EM

Notes

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	

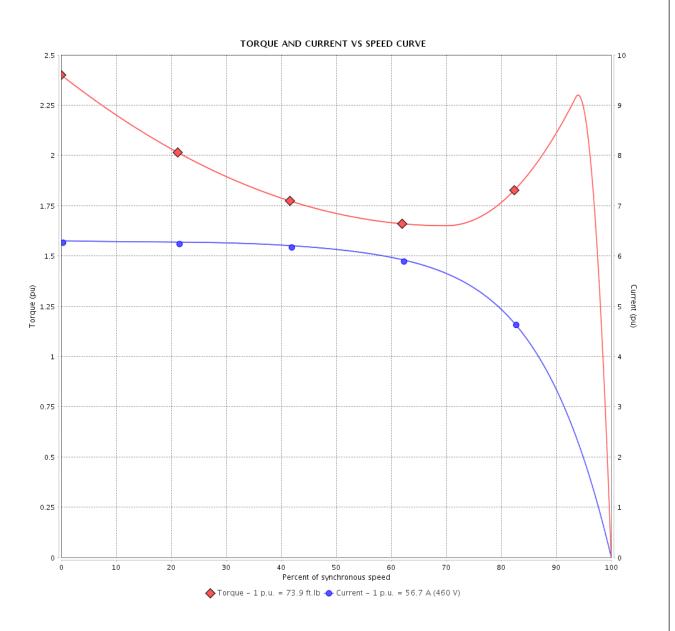
Three Phase Induction Motor - Squirrel Cage



Customer

Product line : NEMA Premium Efficiency Three-Product code: 11431306

Catalog #: 05036ST3QIE326TS-W22



Performance : 460 V 60 Hz 2P Rated current : 56.7 A Moment of inertia (J) : 5.75 sq.ft.lb **LRC** : 6.3 Duty cycle : Cont.(S1) : 73.9 ft.lb Insulation class Rated torque : F Service factor Locked rotor torque : 240 % : 1.25 Breakdown torque : 229 % Temperature rise : 80 K Rated speed : 3555 rpm Design : B

Locked rotor time : 63s (cold) 35s (hot)

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

Three Phase Induction Motor - Squirrel Cage

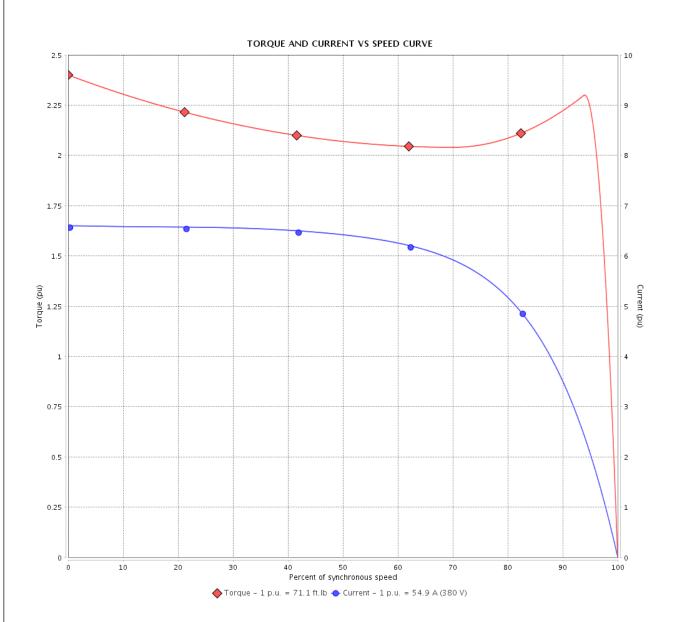


Customer :

Product line : NEMA Premium Efficiency Three- Product code : 11431306

Phase

Catalog #: 05036ST3QIE326TS-W22



Performance : 380 V 50 Hz 2P IE3 Rated current : 54.9 A Moment of inertia (J) : 5.75 sq.ft.lb **LRC** : 6.6 Duty cycle : Cont.(S1) Insulation class : F Rated torque : 71.1 ft.lb : 240 % : 1.00 Locked rotor torque Service factor : 80 K Breakdown torque : 229 % Temperature rise : B Rated speed : 2955 rpm Design

Locked rotor time : 68s (cold) 38s (hot)

LOCKCO TOTOL UITK	. 0	03 (0010) 003 (1101)			
Rev.		Changes Summary	Performed	Checked	Date
Performed by					
Checked by				Page	Revision
Date	12/04/2022			3 / 36	

Three Phase Induction Motor - Squirrel Cage



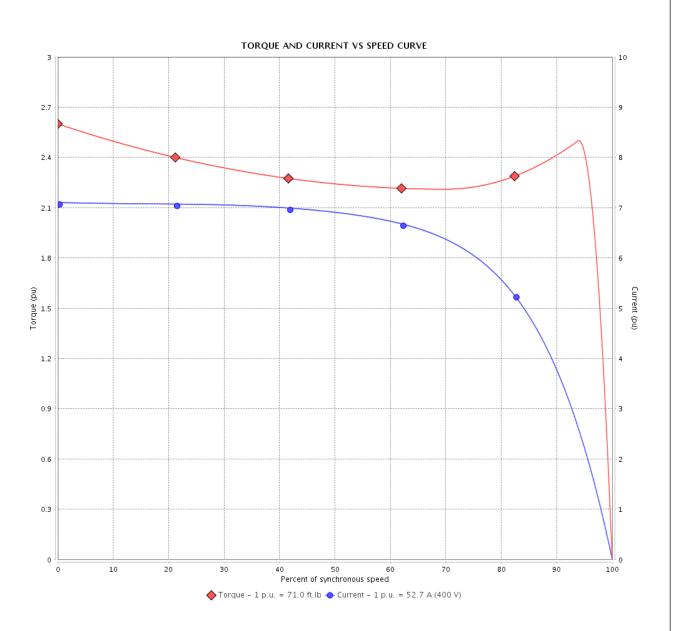
Customer :

Product line : NEMA Premium Efficiency Three- Product code :

Phase

Catalog #: 05036ST3QIE326TS-W22

11431306



Performance : 400 V 50 Hz 2P IE3 Rated current : 52.7 A Moment of inertia (J) : 5.75 sq.ft.lb **LRC** : 7.1 Duty cycle : Cont.(S1) Insulation class Rated torque : 71.0 ft.lb : F Locked rotor torque : 260 % Service factor : 1.00 Breakdown torque : 250 % Temperature rise : 80 K Rated speed : 2960 rpm Design : B

Locked rotor time : 64s (cold) 36s (hot)

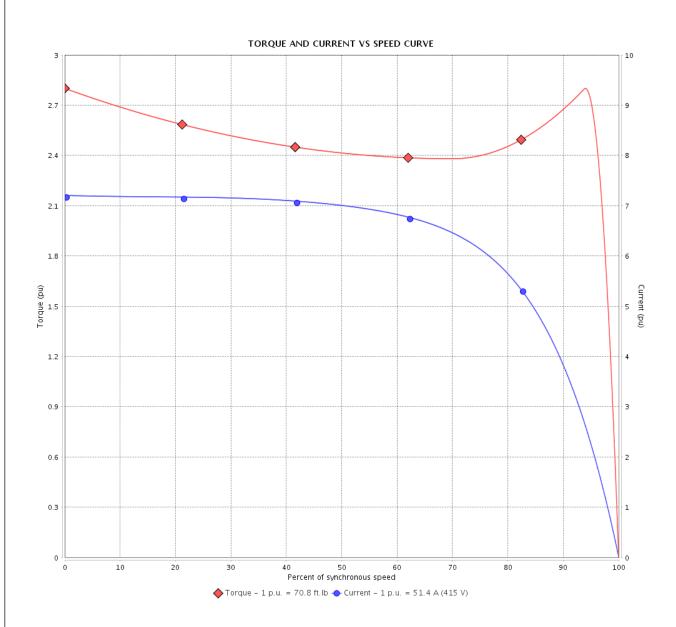
Rev.		Changes Summary	Performed	Checked	Date
Performed by					
Checked by				Page	Revision
Date	12/04/2022			4 / 36	

Three Phase Induction Motor - Squirrel Cage



Customer Product line : NEMA Premium Efficiency Three-Product code: 11431306

> Catalog #: 05036ST3QIE326TS-W22



Performance	: 415 V 50 Hz 2P IE3			
Rated current	: 51.4 A	Moment of inertia (J)	: 5.75 sq.ft.lb	
LRC	: 7.2	Duty cycle	: Cont.(S1)	
Rated torque	: 70.8 ft.lb	Insulation class	: F	
Locked rotor torque	: 280 %	Service factor	: 1.00	
Breakdown torque	: 280 %	Temperature rise	: 80 K	
Rated speed	: 2965 rpm	Design	: B	
Locked rotor time	: 61s (cold) 34s (hot)			

		(111)			
Rev.		Changes Summary	Performed	Checked	Date
Performed by					
Checked by				Page	Revision
Date	12/04/2022			5 / 36	

Three Phase Induction Motor - Squirrel Cage



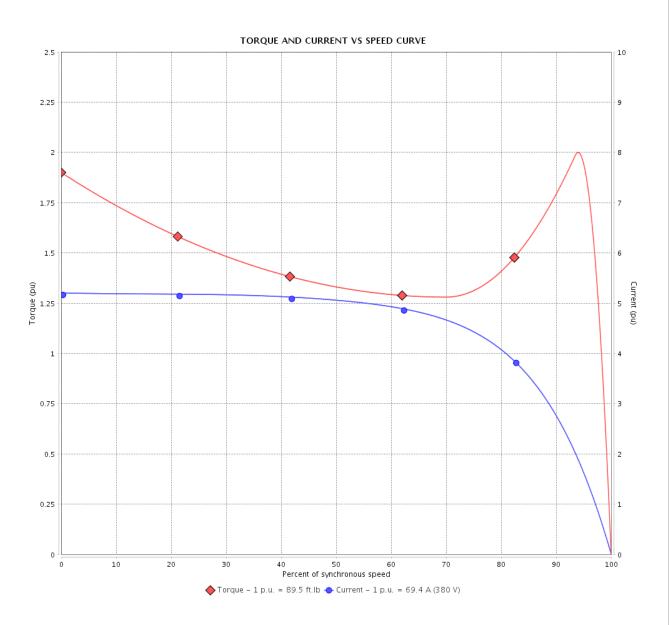
Customer :

Product line : NEMA Premium Efficiency Three-

Phase

Product code: 11431306

Catalog #: 05036ST3QIE326TS-W22



Performance : 380 V 50 Hz 2P Rated current : 69.4 A Moment of inertia (J) : 5.75 sq.ft.lb **LRC** : 5.2 Duty cycle : Cont.(S1) Insulation class Rated torque : 89.5 ft.lb : F Service factor Locked rotor torque : 190 % : 1.00 Breakdown torque : 200 % Temperature rise : 105 K Rated speed : 2935 rpm Design : B

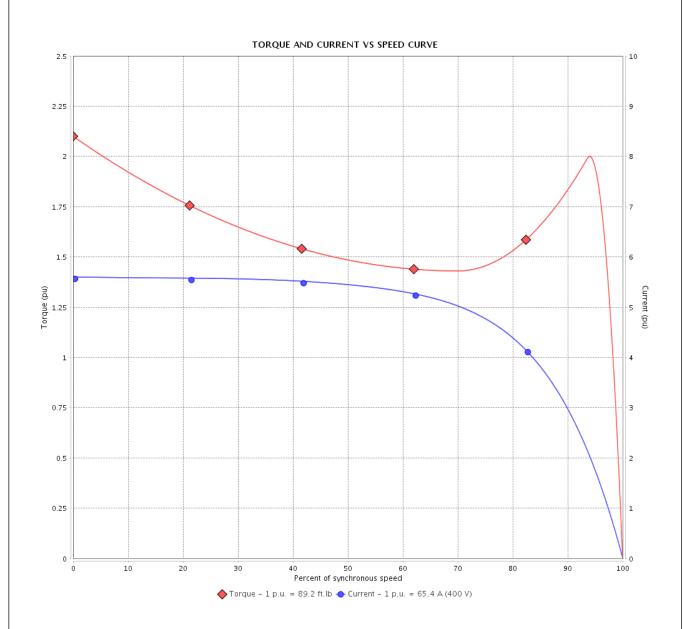
Locked rotor time : 37s (cold) 21s (hot)

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: 11431306 Catalog #: 05036ST3QIE326TS-W22



Performance : 400 V 50 Hz 2P IE1 Rated current : 65.4 A Moment of inertia (J) : 5.75 sq.ft.lb **LRC** : 5.6 Duty cycle : Cont.(S1) : 89.2 ft.lb Insulation class : F Rated torque : 210 % : 1.00 Locked rotor torque Service factor : 200 % Breakdown torque Temperature rise : 105 K : B Rated speed : 2945 rpm Design Locked rotor time : 43s (cold) 24s (hot)

LOCKCO TOTOL UITI		03 (00ld) 243 (1l0t)			
Rev.		Changes Summary	Performed	Checked	Date
Performed by					
Checked by				Page	Revision
Date	12/04/2022			7 / 36	

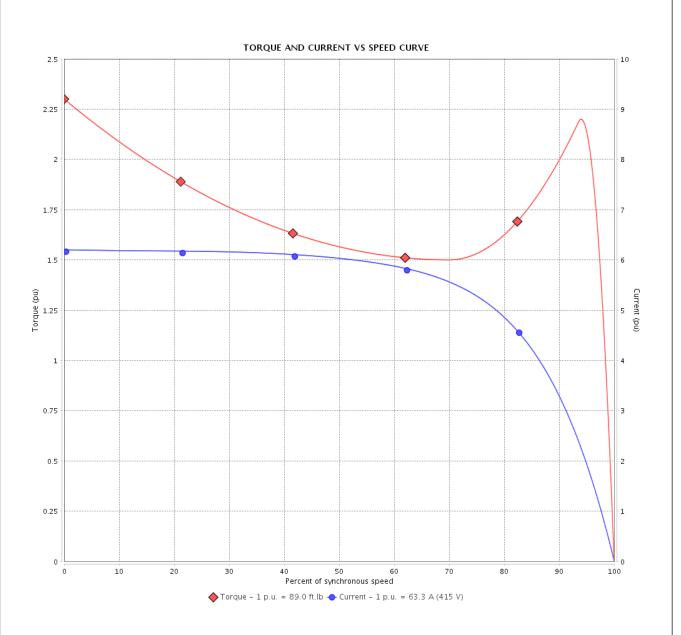
Three Phase Induction Motor - Squirrel Cage



Customer

Product line : NEMA Premium Efficiency Three-Product code: 11431306

Catalog #: 05036ST3QIE326TS-W22



Performance : 415 V 50 Hz 2P IE1 Rated current : 63.3 A Moment of inertia (J) : 5.75 sq.ft.lb **LRC** : 6.2 Duty cycle : Cont.(S1) Insulation class Rated torque : 89.0 ft.lb : F Locked rotor torque : 229 % Service factor : 1.00 Breakdown torque : 220 % Temperature rise : 105 K Rated speed : 2950 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			8 / 36	

Three Phase Induction Motor - Squirrel Cage



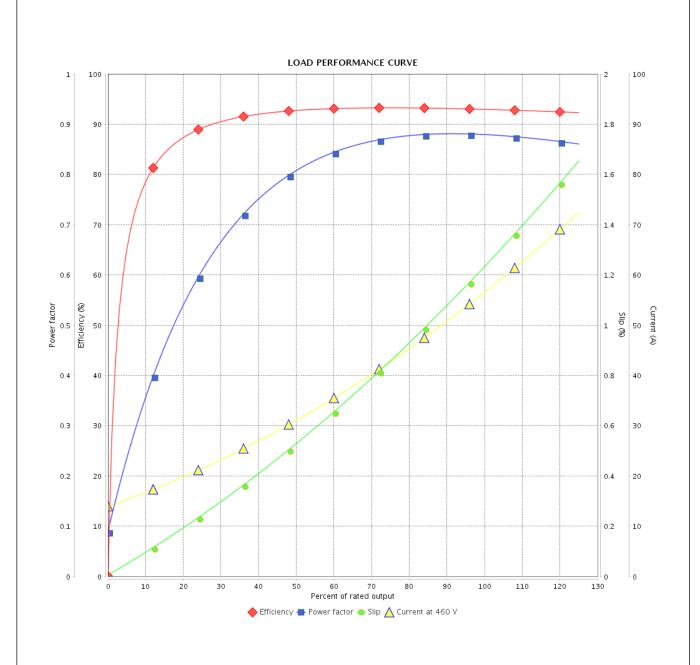
Customer

Product line : NEMA Premium Efficiency Three- Product code : 11431306

Phase

Catalog #: 05036ST3QIE326TS-W22

9/36



Performance	: 460 V 60 Hz 2P				
Rated current LRC Rated torque Locked rotor torque Breakdown torque Rated speed	: 56.7 A : 6.3 : 73.9 ft.lb : 240 % : 229 % : 3555 rpm	Moment o Duty cycle Insulation Service fa Temperatu Design	class ctor	: 5.75 sq.ft.lb : Cont.(S1) : F : 1.25 : 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



10/36

Customer

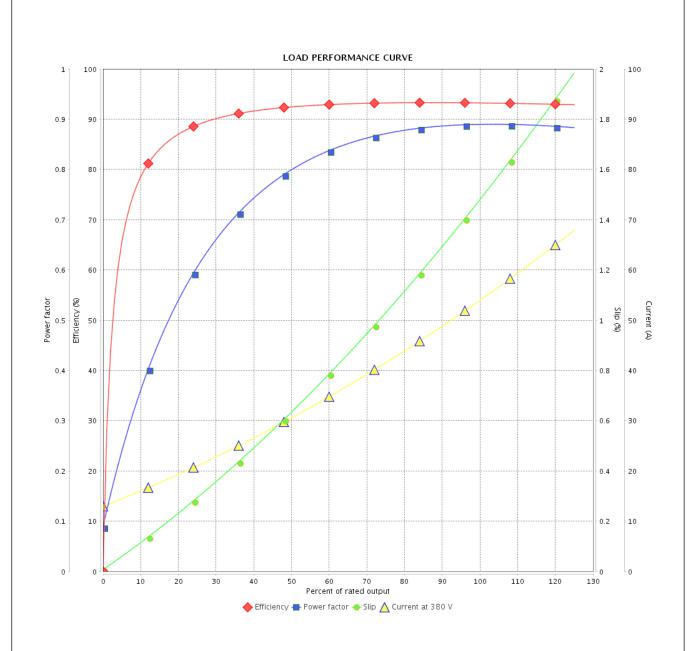
Date

12/04/2022

Product line : NEMA Premium Efficiency Three-Product code:

Catalog #: 05036ST3QIE326TS-W22

11431306



Performance		: 380 V 50 Hz 2P IE3				
Rated current LRC Rated torque Locked rotor torque Breakdown torque Rated speed		: 54.9 A : 6.6 : 71.1 ft.lb : 240 % : 229 % : 2955 rpm	• • • • • • • • • • • • • • • • • • • •		: 1.00 : 80 K	
Rev. Changes		Changes Summa	ry	Performed	Checked	Date
Performed by Checked by					Page	Revision

Three Phase Induction Motor - Squirrel Cage

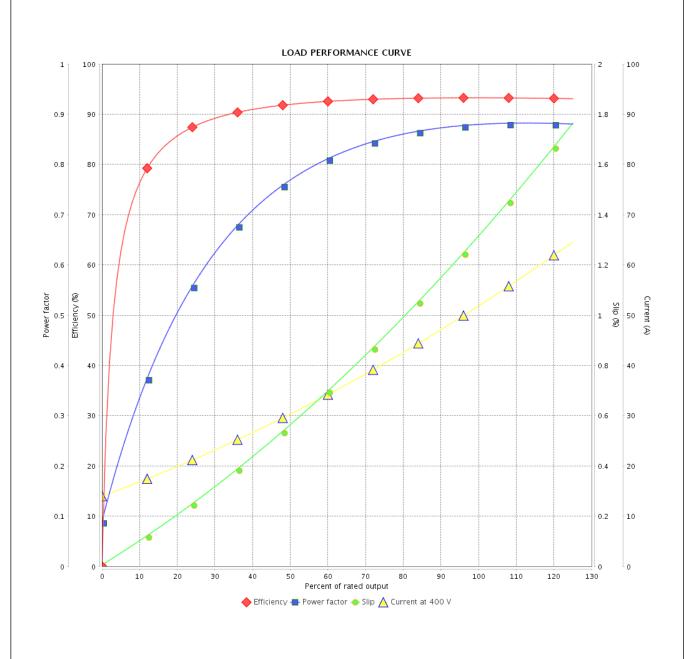


Customer

Product line : NEMA Premium Efficiency Three- Product code : 11431306

Phase

Catalog #: 05036ST3QIE326TS-W22



Performance	: 4	400 V 50 Hz 2P IE3				
Rated current	: {	52.7 A	Moment o	f inertia (J)	: 5.75 sq.ft.lb	
LRC	: 7	7.1	Duty cycle	;	: Cont.(S1)	
Rated torque	: 7	71.0 ft.lb	Insulation	class	: F	
Locked rotor torque	e :2	260 %	Service factor		: 1.00	
Breakdown torque	: 2	250 %	Temperature rise		: 80 K	
Rated speed	: 2	2960 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



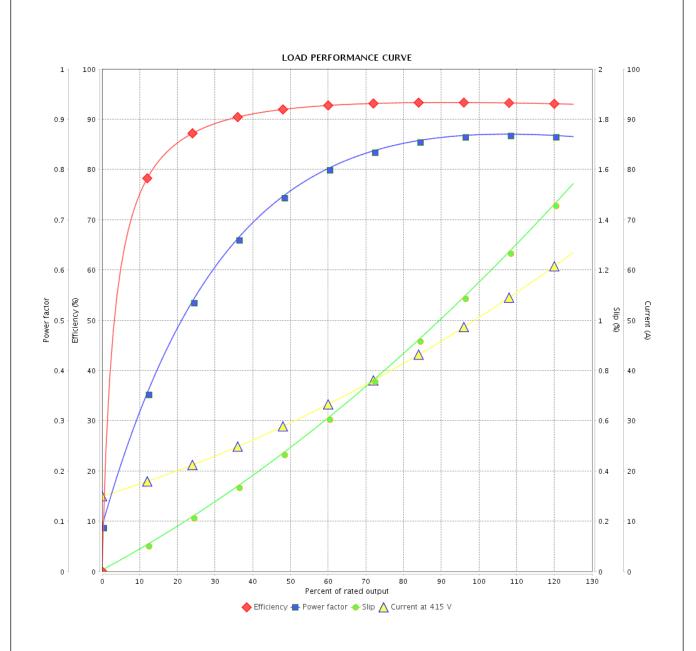
Customer :

Product line : NEMA Premium Efficiency Three- Product code : 11431306

Phase

Catalog # : 05036ST3QIE326TS-W22

12/36



Performance	: 415 V 50 Hz 2P IE3				
Rated current LRC Rated torque Locked rotor torque Breakdown torque Rated speed	: 51.4 A : 7.2 : 70.8 ft.lb : 280 % : 280 % : 2965 rpm	Moment of Duty cycl Insulation Service fa Temperat Design	n class actor	: 5.75 sq.ft.lb : Cont.(S1) : F : 1.00 : 80 K : B	
Rev.	Changes Summary	<u> </u>	Performed	Checked	Date
Performed by					
Checked by				Page	Revision

12/04/2022

Date

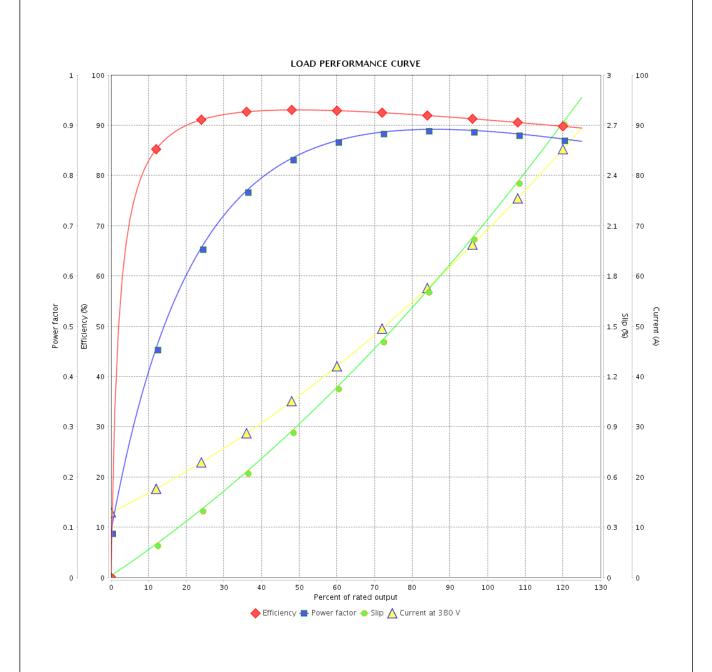
Three Phase Induction Motor - Squirrel Cage



Customer

Product line : NEMA Premium Efficiency Three-Product code: 11431306

Catalog #: 05036ST3QIE326TS-W22



Performance	: 3	880 V 50 Hz 2P				
Rated current	: 6	69.4 A	Moment o	f inertia (J)	: 5.75 sq.ft.lb	
LRC	: 5	5.2	Duty cycle	;	: Cont.(S1)	
Rated torque	: 8	39.5 ft.lb			: F	
Locked rotor torqu	ie : 1	190 %	Service factor		: 1.00	
Breakdown torque		200 %	Temperati	Temperature rise		
Rated speed	: 2	2935 rpm	Design		: B	
Rev.		Changes Summar	ry	Performed	Checked	Date
Performed by						
Checked by					Page	Revision
Date	12/04/2022				13 / 36	

Three Phase Induction Motor - Squirrel Cage



Customer :

Checked by

Date

12/04/2022

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

Phase

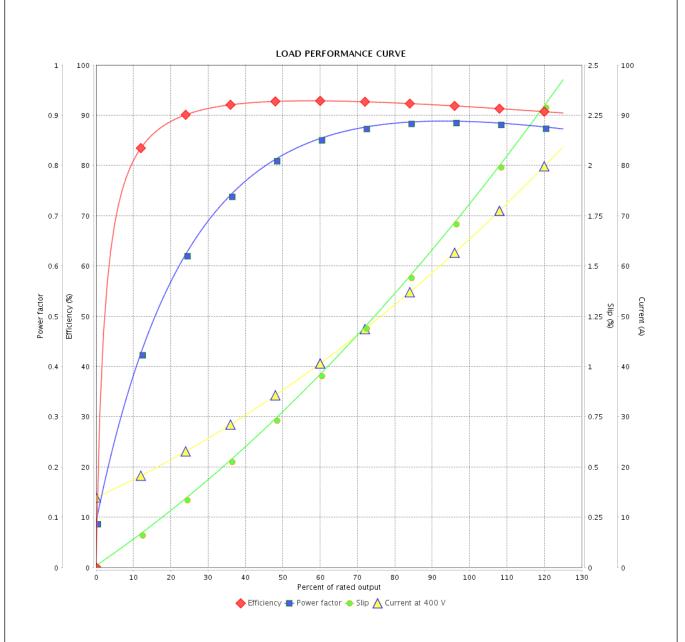
Product code: 11431306

Catalog #: 05036ST3QIE326TS-W22

Page

14/36

Revision



Performance : 400 V 50 Hz 2P IE1 Rated current : 65.4 A Moment of inertia (J) : 5.75 sq.ft.lb **LRC** Duty cycle : Cont.(S1) : 5.6 Insulation class Rated torque : 89.2 ft.lb : F Locked rotor torque : 210 % Service factor : 1.00 Breakdown torque : 200 % Temperature rise : 105 K Rated speed : 2945 rpm Design : B Rev. Performed Checked Date **Changes Summary** Performed by

Three Phase Induction Motor - Squirrel Cage

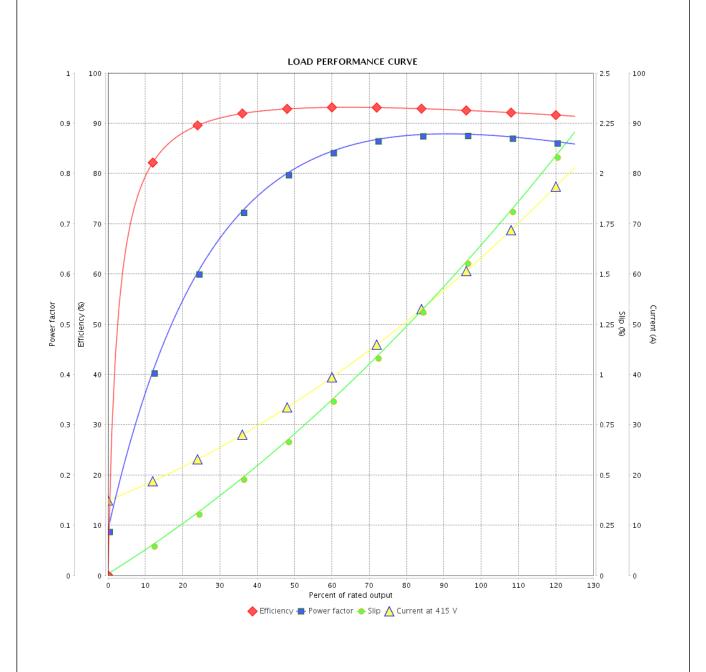


Customer

Product line : NEMA Premium Efficiency Three- Product code : 11431306

Phase

Catalog #: 05036ST3QIE326TS-W22



Performance	: 4	15 V 50 Hz 2P IE1				
Rated current	: 6	3.3 A Moment of inertia (J)		f inertia (J)	: 5.75 sq.ft.lb	
LRC	: 6	.2	Duty cycle	;	: Cont.(S1)	
Rated torque	: 8	9.0 ft.lb	Insulation	class	: F	
Locked rotor torqu	ie : 2	29 %	Service factor		: 1.00	
Breakdown torque	: 2	20 %	Temperature rise		: 105 K	
Rated speed	: 2	950 rpm	Design		: B	
Rev.		Changes Summary	,	Performed	Checked	Date
		1				
Performed by						
Checked by					Page	Revision
Date	12/04/2022	1			15 / 36	

Three Phase Induction Motor - Squirrel Cage

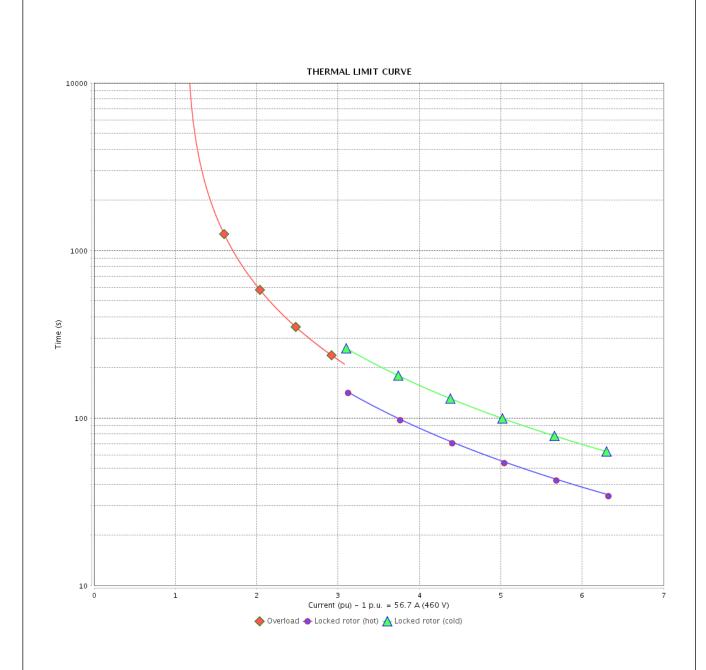


Customer	:				
Product line	: NEMA Premium Efficiency Phase		Product code :	11431306	
			Catalog # :	05036ST3QIE	326TS-W22
Performance	: 460 V 60 Hz 2P				
Rated current LRC	: 56.7 A : 6.3	Duty cycle	f inertia (J)	: 5.75 sq.ft.lb : Cont.(S1)	
Rated torque Locked rotor torque	: 73.9 ft.lb : 240 %	Insulation Service fa		: F : 1.25	
Breakdown torque	: 229 %	Temperatu		: 80 K	
Rated speed	: 3555 rpm	Design	3 1.00	: B	
Heating constant					
Cooling constant	01 0			- OI	
Rev.	Changes Summary		Performed	Checked	Date
Darfarmad by					
Performed by				D	Doudele:-
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			17 / 36	

Three Phase Induction Motor - Squirrel Cage

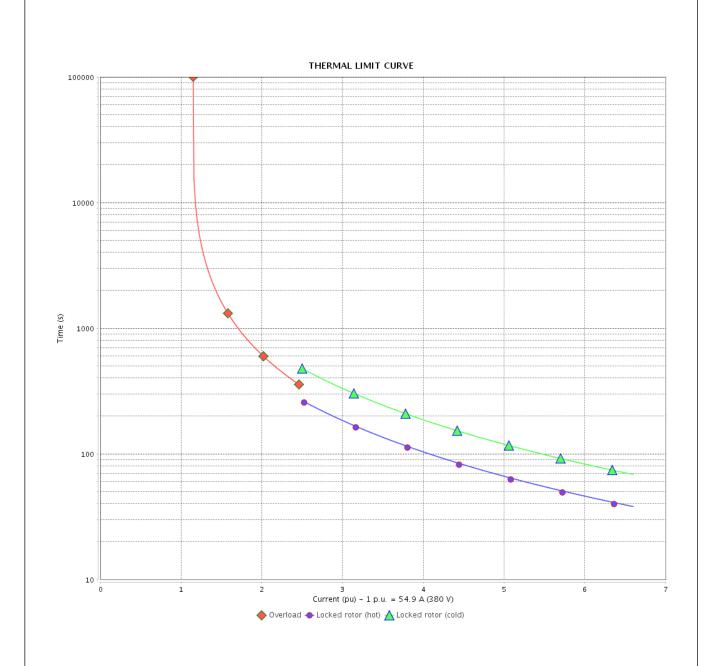


Customer	:				· · · · · · · · · · · · · · · · · · ·	
	•					
Product line		NEMA Premium Efficiency	Γhree- I	Product code :	11431306	
	Pi	nase	(Catalog # :	05036ST3QIE	326TS-W22
Performance		30 V 50 Hz 2P IE3				
Rated current LRC	: 54 : 6.	I.9 A 6	Moment of Duty cycle	r inertia (J)	: 5.75 sq.ft.lb : Cont.(S1)	
Rated torque	: 71	I.1 ft.lb	Insulation	class	: F	
Locked rotor torque		10 %	Service fa		: 1.00	
Breakdown torque Rated speed		29 % 955 rpm	Temperatu Design	iie iise	: 80 K : B	
Heating constant		·				
Cooling constant						
Rev.		Changes Summary		Performed	Checked	Date
		<u>-</u>				
Performed by			l			
Checked by					Page	Revision
Data	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

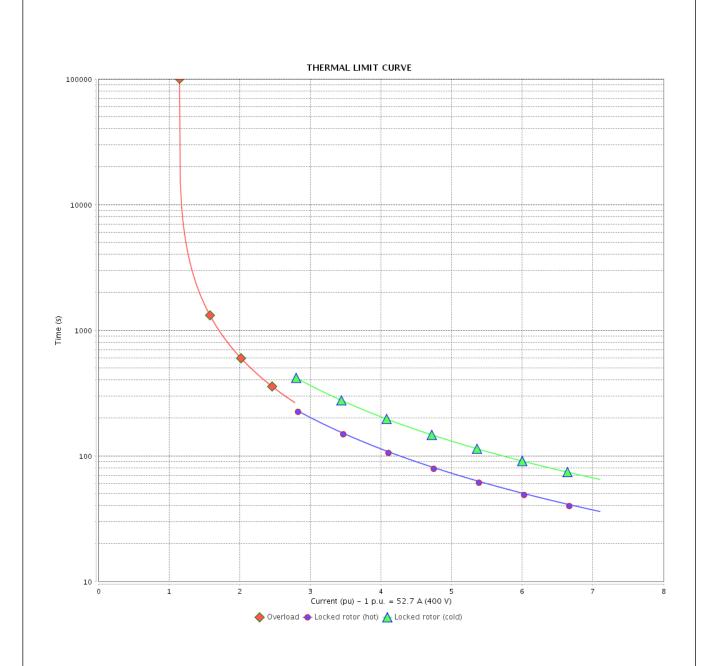


Customer		:				
Product line		: NEMA Premium Efficiency Phase		Product code : Catalog # :	11431306 05036ST3QIE	326TS-W22
Domforman		400 V 50 Hz 2P IE3				
Performance Rated current		52.7 A	Moment o	of inertia (J)	· 5 75 sq ft lb	
LRC	:	7.1	Duty cycle	9	: 5.75 sq.ft.lb : Cont.(S1)	
Rated torque	:	71.0 ft.lb	Insulation	class	: F	
Locked rotor tord Breakdown torqu		260 % 250 %	Service fa Temperati		: 1.00 : 80 K	
Rated speed		2960 rpm	Design	uic iioc	: B	
Heating constant						
Cooling constant Rev.	.	Changes Summary		Performed	Checked	Date
rtev.		Changes Summing		renomiea	Checked	Date
Performed by					I	
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

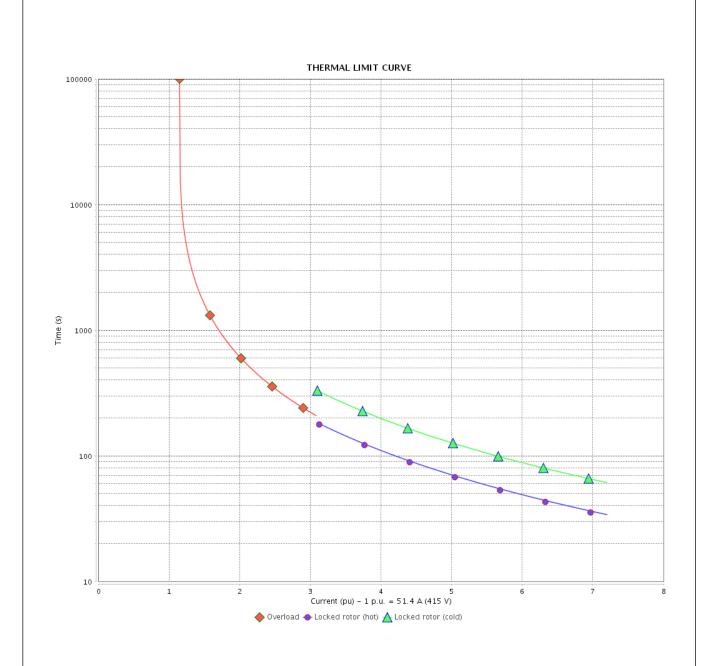


Customer		:				
Product line		: NEMA Premium Efficiency ⁻ Phase		Product code : Catalog # :	11431306 05036ST3QIE	326TS-W22
Performance Rated current LRC Rated torque Locked rotor torque Breakdown torque Rated speed	jue : ie	415 V 50 Hz 2P IE3 51.4 A 7.2 70.8 ft.lb 280 % 280 % 2965 rpm	Moment o Duty cycle Insulation Service fa Temperatu Design	class ctor	: 5.75 sq.ft.lb : Cont.(S1) : F : 1.00 : 80 K : B	
Heating constant Cooling constant Rev.		Changes Summary		Performed	Checked	Date
Performed by Checked by Date	12/04/2022				Page 22 / 36	Revision

Three Phase Induction Motor - Squirrel Cage



Customer



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

Three Phase Induction Motor - Squirrel Cage

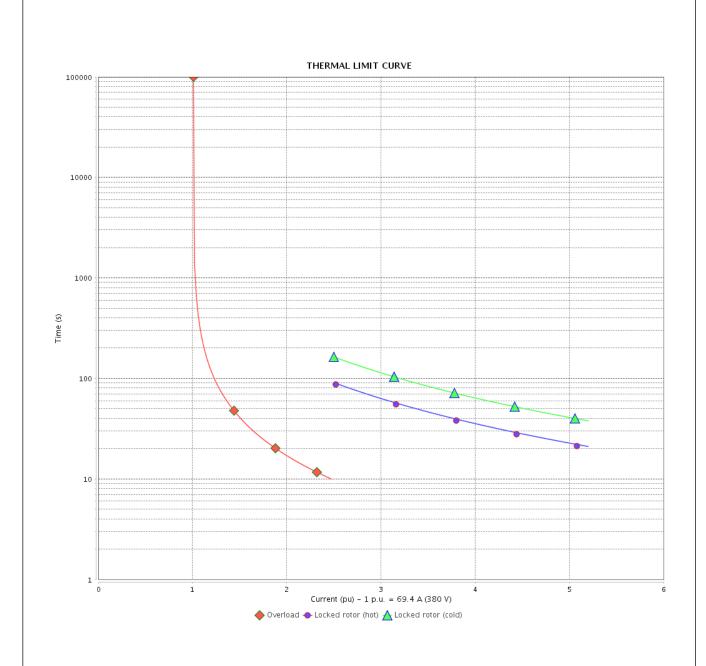


					-	
Customer	:					
Product line		NEMA Premium Efficiency ⁻ hase		Product code :	11431306	
			(Catalog # :	05036ST3QIE	E326TS-W22
Performance	: 38	30 V 50 Hz 2P				
Rated current LRC Rated torque Locked rotor torqu Breakdown torque Rated speed	: 5. : 89 e : 19 : 20	9.4 A 2 9.5 ft.lb 90 % 00 % 935 rpm	Moment or Duty cycle Insulation Service far Temperatu Design	class ctor	: 5.75 sq.ft.lb : Cont.(S1) : F : 1.00 : 105 K : B	
Heating constant Cooling constant						
Rev.		Changes Summary		Performed	Checked	Date
1304.		Shangoo Ganiinary		Tonomieu	Oncorou	Date
Performed by Checked by		-			Page	Revision
Data	12/04/2022	1			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

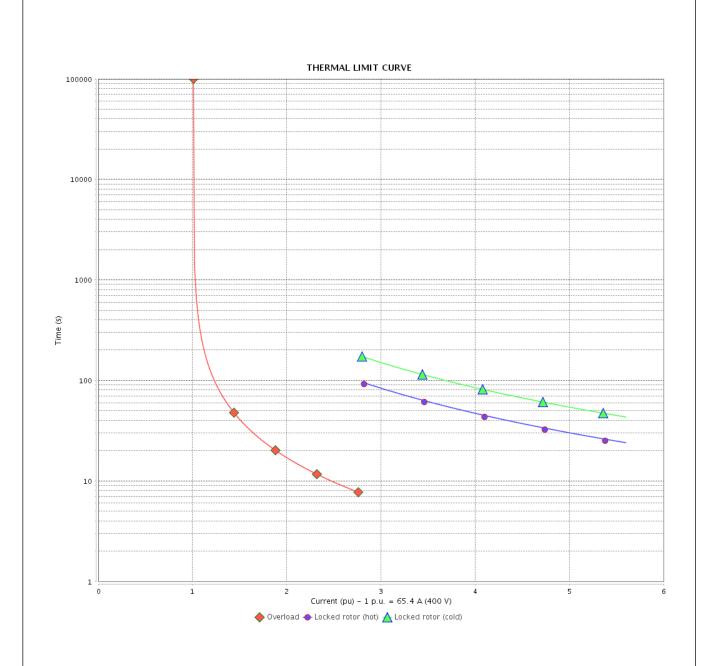


Customer	:					
Product line		NEMA Premium Efficiency Thase		Product code :	11431306 05036ST3QIE	326TS-W22
Performance	. 11	00 V 50 Hz 2P IE1				
Rated current		5.4 A	Moment of	f inertia (J)	: 5.75 sq.ft.lb	
LRC	: 5.	.6	Duty cycle		: Cont.(S1)	
Rated torque Locked rotor torc		9.2 ft.lb 10 %	Insulation Service fac		: F : 1.00	
Breakdown torque Rated speed	ie : 20	00 % 945 rpm	Temperatu Design		: 1.00 : 105 K : B	
Heating constant	<u> </u>	•				
Cooling constant	İ .	01 0	ı	· · ·		
Rev.		Changes Summary		Performed	Checked	Date
Performed by			l		1	
Checked by					Page	Revision
Data	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

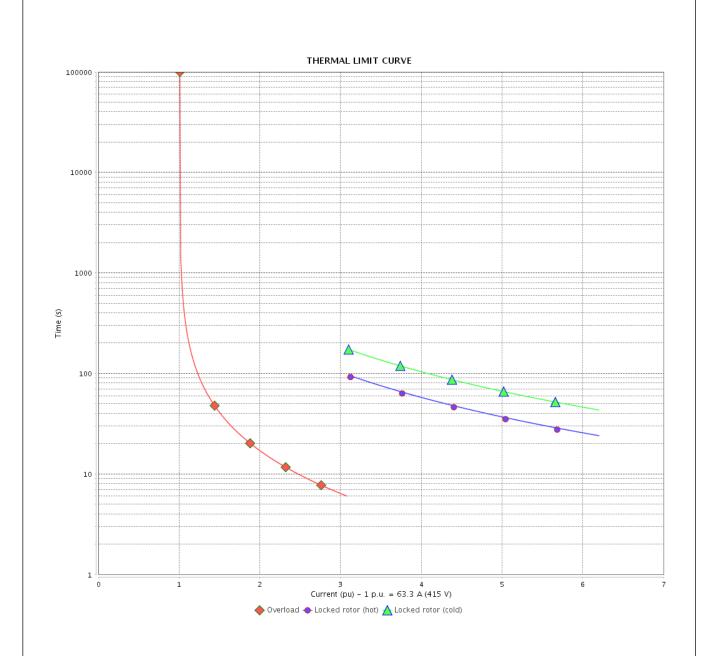


Customer		:				
Product line		: NEMA Premium Efficiency	Three-	Product code :	11431306	
1 Toddot IIIIC		Phase				
				Catalog # :	05036ST3QIE	326TS-W22
Performance		: 415 V 50 Hz 2P IE1				
Rated current LRC		: 63.3 A : 6.2	Moment o	of inertia (J)	: 5.75 sq.ft.lb : Cont.(S1)	
Rated torque		: 89.0 ft.lb	Insulation	class	: F	
Locked rotor toro		: 229 %	Service fa		: 1.00	
Breakdown torqu Rated speed		: 220 % : 2950 rpm	Temperat Design	ure rise	: 105 K : B	
		P				
Heating constant Cooling constant						
Rev.		Changes Summary	<u> </u>	Performed	Checked	Date
		g				- ~
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 :

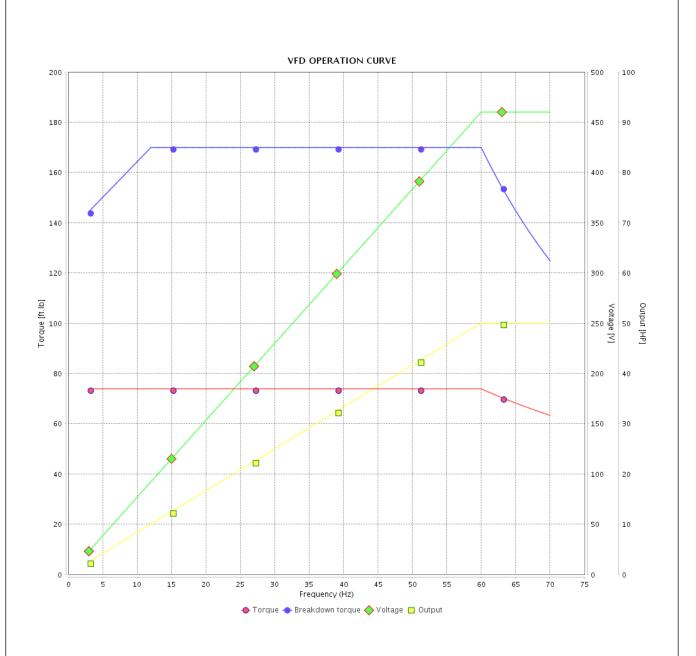
Product line : NEMA Premium Efficiency Three- Product code :

Phase

Catalog #: 05036ST3QIE326TS-W22

30 / 36

11431306



Performance	: 460 V 60 Hz 2P				
Rated current : 56.7 A LRC : 6.3 Rated torque : 73.9 ft.lb Locked rotor torque : 240 % Breakdown torque : 229 % Rated speed : 3555 rpm		Moment of inertia (J) : 5.75 sq.ft.lb Duty cycle : Cont.(S1) Insulation class : F Service factor : 1.25 Temperature rise : 80 K Design : B			
Rev.	Changes Summary		Performed	Checked	Date
Performed by					
Checked by				Page	Revision

12/04/2022

Date

Three Phase Induction Motor - Squirrel Cage



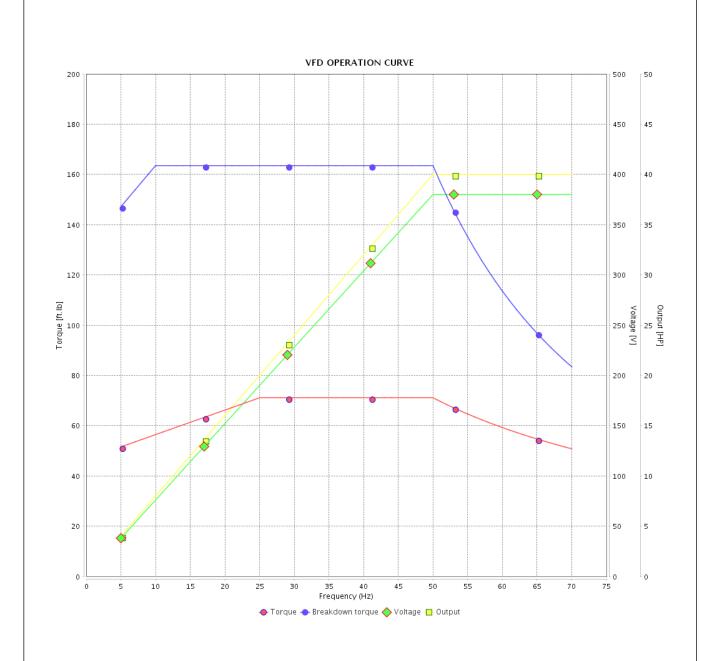
Customer

Product line : NEMA Premium Efficiency Three- Product code :

Phase

Product code: 11431306

Catalog #: 05036ST3QIE326TS-W22



Performance	: 3	: 380 V 50 Hz 2P IE3				
Rated current	: 5	: 54.9 A Mon		f inertia (J)	: 5.75 sq.ft.lb	
LRC	: 6	.6	6 Duty cycle		: Cont.(S1)	
Rated torque	: 7	.1 ft.lb Insulation class		: F		
Locked rotor torqu	e : 2	40 %	% Service factor		: 1.00	
Breakdown torque	: 2	29 %	Temperature rise		: 80 K	
Rated speed	: 2	955 rpm	Design		: B	
Rev.		Changes Summary	-	Performed	Checked	Date
Performed by						
Checked by					Page	Revision
Date	12/04/2022	1			31 / 36	

Three Phase Induction Motor - Squirrel Cage



Revision

Page

32 / 36

Customer :

Checked by

Date

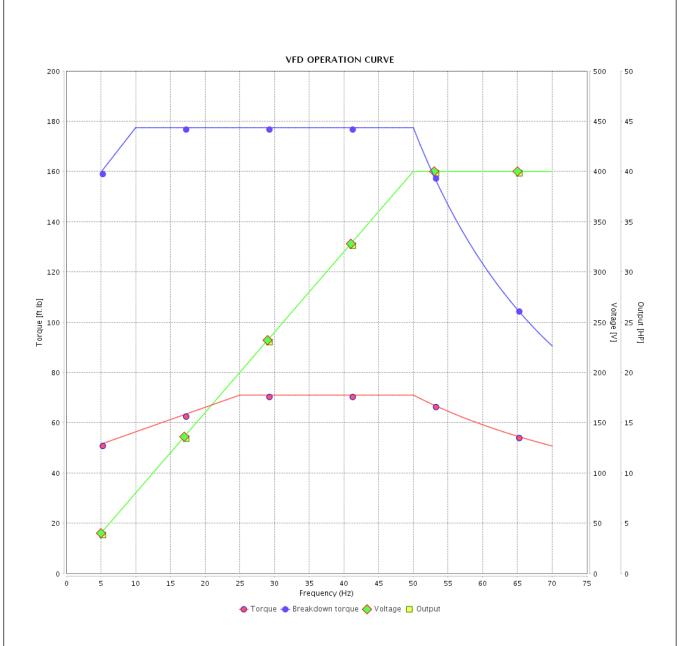
12/04/2022

Product line : NEMA Premium Efficiency Three- Product code :

Phase

Catalog #: 05036ST3QIE326TS-W22

11431306



Performance : 400 V 50 Hz 2P IE3 Rated current : 52.7 A Moment of inertia (J) : 5.75 sq.ft.lb **LRC** : 7.1 Duty cycle : Cont.(S1) : 71.0 ft.lb Insulation class : F Rated torque Locked rotor torque : 260 % 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

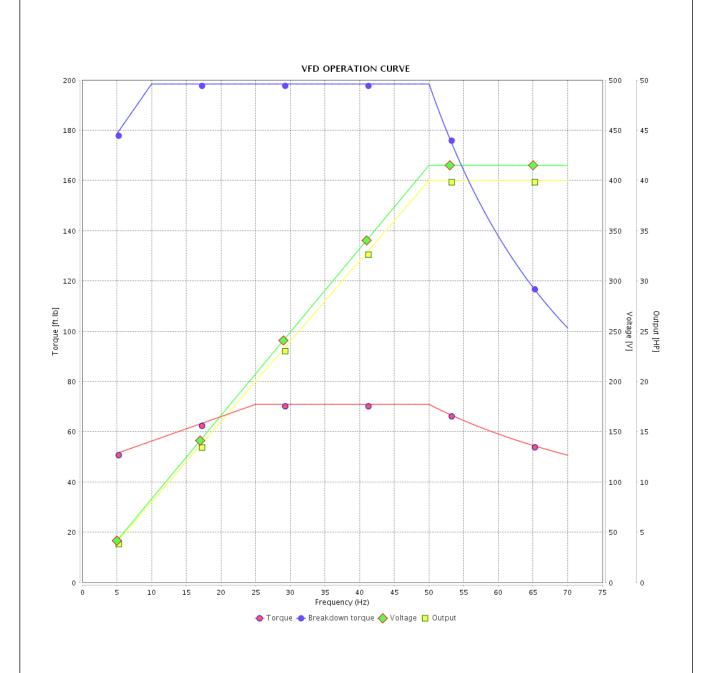
Product line : NEMA Premium Efficiency Three- Product code :

Phase

Catalog #: 05036ST3QIE326TS-W22

33 / 36

11431306



Performance	: 415 V 50 Hz 2P IE3				
Rated current LRC Rated torque Locked rotor torque Breakdown torque Rated speed	: 51.4 A : 7.2 : 70.8 ft.lb : 280 % : 280 % : 2965 rpm	Moment of inertia (J) : 5.75 sq.ft.lb Duty cycle : Cont.(S1) Insulation class : F Service factor : 1.00 Temperature rise : 80 K Design : B			
Rev.	Changes Summary		Performed	Checked	Date
Performed by					
Checked by				Page	Revision

12/04/2022

Date

Three Phase Induction Motor - Squirrel Cage



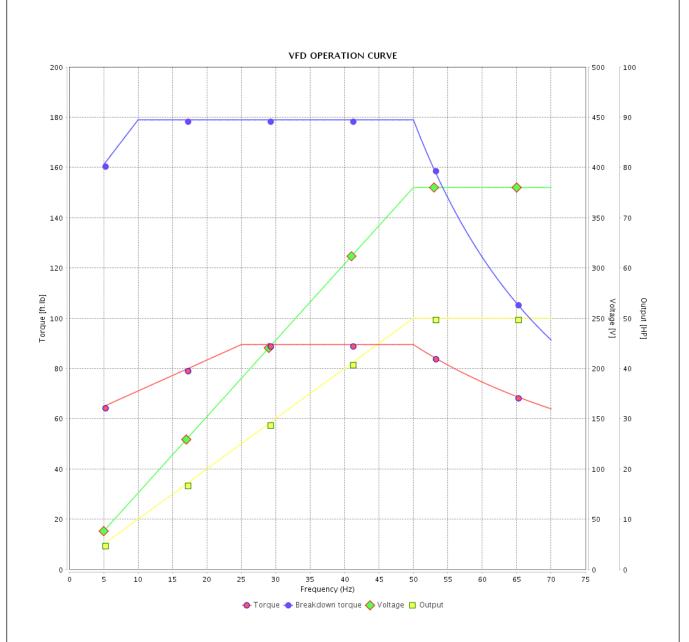
Customer :

Product line : NEMA Premium Efficiency Three- Product

Phase

Product code: 11431306

Catalog #: 05036ST3QIE326TS-W22



Performance : 380 V 50 Hz 2P Rated current : 69.4 A Moment of inertia (J) : 5.75 sq.ft.lb **LRC** : Cont.(S1) : 5.2 Duty cycle : 89.5 ft.lb Insulation class : F Rated torque Locked rotor torque : 190 % Service factor : 1.00 Breakdown torque : 200 % Temperature rise : 105 K Rated speed : 2935 rpm Design : B

Rev.		Changes Summary	Performed	Checked	Date
Performed by					
Checked by				Page	Revision
Date	12/04/2022			34 / 36	

Three Phase Induction Motor - Squirrel Cage

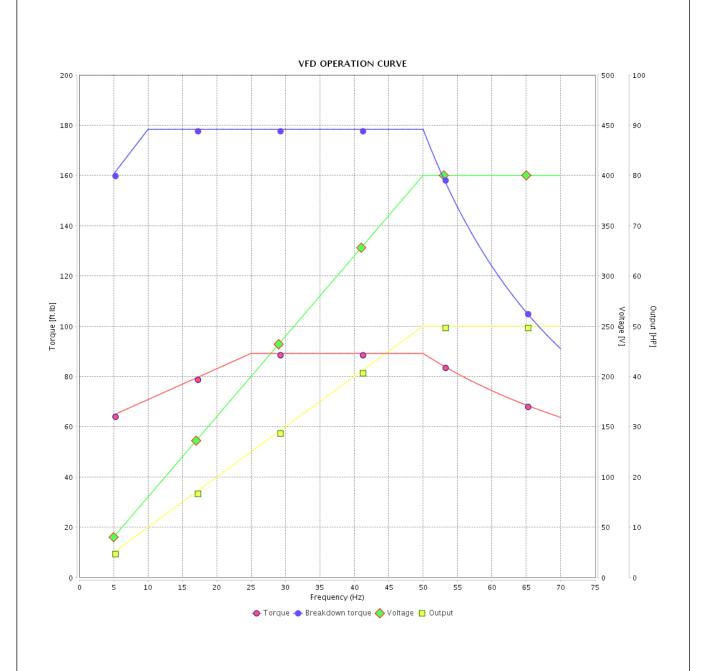


Customer

Product line : NEMA Premium Efficiency Three- Product code : 11431306

Phase

Catalog #: 05036ST3QIE326TS-W22



Performance	: 4	00 V 50 Hz 2P IE1				
Rated current	: 65.4 A		Moment o	f inertia (J)	: 5.75 sq.ft.lb	
LRC	: 5	: 5.6 Duty cycle		;	: Cont.(S1)	
Rated torque	: 8	: 89.2 ft.lb Insulation class		class	: F	
Locked rotor torque	e : 2	: 210 % Service factor		ctor	: 1.00	
Breakdown torque	: 2	.00 %	Temperati	ıre rise	: 105 K	
Rated speed	: 2	.945 rpm	Design		: B	
Rev.		Changes Summary	1	Performed	Checked	Date
Performed by						
Checked by					Page	Revision
Date	12/04/2022	7			35 / 36	

Three Phase Induction Motor - Squirrel Cage



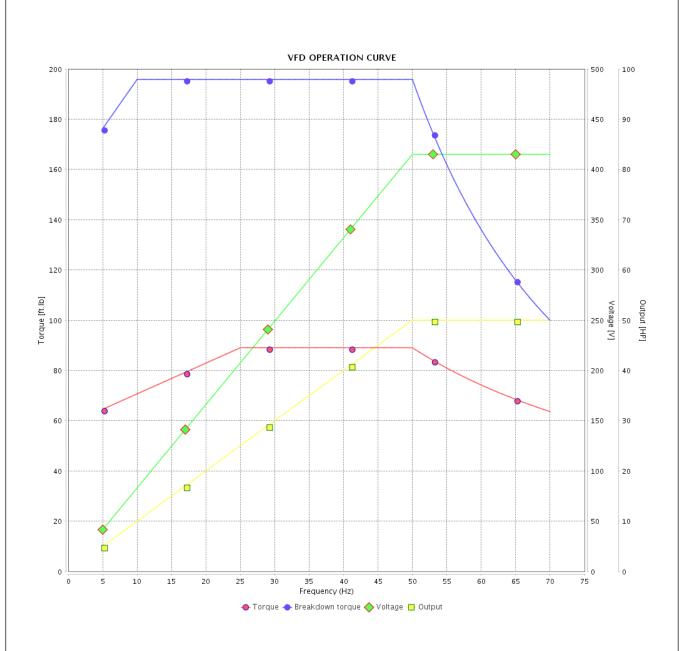
Customer :

Product line : NEMA Premium Efficiency Three-

Phase

Product code: 11431306

Catalog #: 05036ST3QIE326TS-W22



Performance : 415 V 50 Hz 2P IE1 : 63.3 A Moment of inertia (J) : 5.75 sq.ft.lb Rated current **LRC** : Cont.(S1) : 6.2 Duty cycle : 89.0 ft.lb Insulation class Rated torque : F Locked rotor torque : 229 % Service factor : 1.00 Breakdown torque : 220 % Temperature rise : 105 K Rated speed : 2950 rpm Design : B

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

