DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : NEMA Premium Efficiency Three- Product code : 12745775

Phase

Catalog #: 03012ET3E326TC-W22

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

Insulation class : F Mounting : F-1

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

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

Altitude : 1000 m.a.s.l. Approx. weight³ : 606 lb

Protection degre	е	: IP55		Momei	nt of inertia (J) : 1	3.2 sq.ft.lb	
Design		: B						
Output [HP]		30	25	25	25	30	30	30
Poles		6	6	6	6	6	6	6
Frequency [Hz]		60	50	50	50	50	50	50
Rated voltage [V]		230/460	380	400	415	380	400	415
Rated current [A]		72.4/36.2	36.9	36.2	35.4	43.7	41.7	40.7
L. R. Amperes [A]		449/224	214	228	237	214	225	236
LRC [A]		6.2x(Code	5.8x(Code	6.3x(Code H)	6.7x(Code H)	4.9x(Code E)	5.4x(Code F)	5.8x(Code
		G)	G)					G)
No load current [A	.]	29.0/14.5	14.0	15.0	16.0	14.0	15.0	16.0
Rated speed [RPI	Л]	1180	975	980	980	970	975	980
Slip [%]		1.67	2.50	2.00	2.00	3.00	2.50	2.00
Rated torque [ft.lb]		134	135	134	134	162	162	161
Locked rotor torqu	ie [%]	220	190	220	240	160	180	200
Breakdown torque	: [%]	240	229	260	280	200	220	240
Service factor		1.25	1.00	1.15	1.15	1.00	1.15	1.15
Temperature rise		80 K	80 K	80 K	80 K	80 K	80 K	80 K
Locked rotor time		37s (cold)	27s (cold)	27s (cold)	27s (cold)	27s (cold)	27s (cold)	27s (cold)
		21s (hot)	15s (hot)	15s (hot)	15s (hot)	15s (hot)	15s (hot)	15s (hot)
Noise level ²		62.0 dB(A)	60.0 dB(A)	60.0 dB(A)	60.0 dB(A)	60.0 dB(A)	60.0 dB(A)	60.0 dB(A)
	25%							
Efficiency (%)	50%	91.7	91.3	91.3	90.7	91.7	91.7	91.0
Lindicity (70)	75%	93.0	91.8	92.2	91.9	91.7	92.4	92.4
	100%	93.0	91.7	92.1	92.0	91.0	91.7	91.7

 0.82
 0.83
 0.80
 0.79

 Drive end
 Non drive end
 Foundation loads

0.61

0.74

0.58

0.71

Bearing type : 6312 C3 6212 C3 Max. traction : 1177 lb Sealing : V'Ring V'Ring Max. compression : 1784 lb

0.64

0.76

Lubrication interval : 20000 h 20000 h Lubricant amount : 21 g 13 g Lubricant type : Mobil Polyrex EM

0.65

0.76

Notes

Power Factor

USABLE @208V 79.2A SF 1.15 SFA 91.0A

25% 50%

75%

100%

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.

0.71

0.80

0.84

0.68

0.78

0.83

0.65

0.76

0.82

Rev.		Changes Summary	Performed	Checked	Date
Performed by					
Checked by				Page	Revision
Date	14/04/2022			1 / 36	

Three Phase Induction Motor - Squirrel Cage



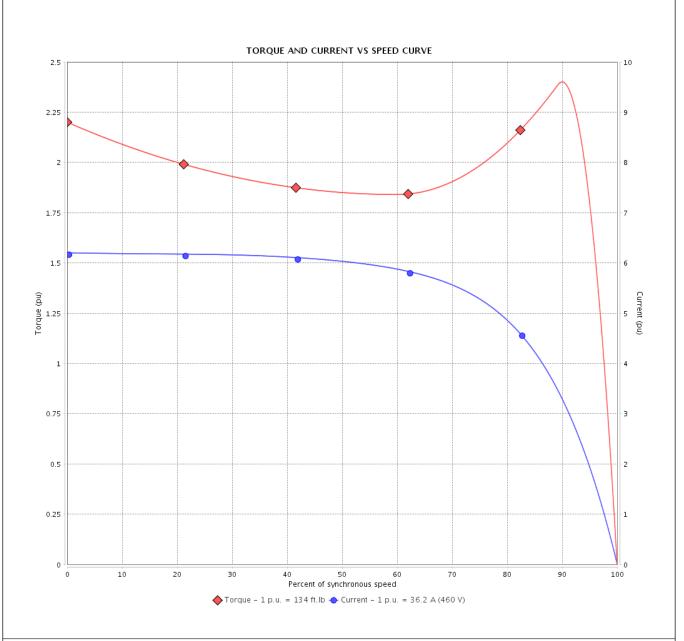
Customer :

Product line : NEMA Premium Efficiency Three- Product code :

Phase

Catalog # : 03012ET3E326TC-W22

12745775



Performance : 230/460 V 60 Hz 6P Rated current : 72.4/36.2 A Moment of inertia (J) : 13.2 sq.ft.lb **LRC** : 6.2 Duty cycle : Cont.(S1) : 134 ft.lb Insulation class Rated torque : F Service factor Locked rotor torque : 220 % : 1.25 Breakdown torque : 240 % Temperature rise : 80 K Rated speed : 1180 rpm Design : B

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

Rev.		Changes Summary	Performed	Checked	Date
Performed by					
Checked by				Page	Revision
Date	14/04/2022			2 / 36	

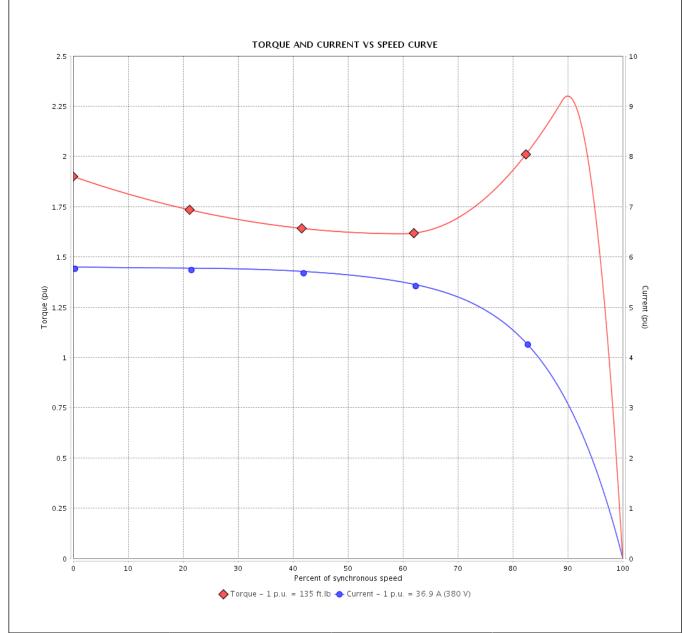
Three Phase Induction Motor - Squirrel Cage



Customer

Product line : NEMA Premium Efficiency Three-Product code: 12745775

Catalog #: 03012ET3E326TC-W22



Performance	: 380 V 50 Hz 6P IE3			
Rated current	: 36.9 A	Moment of inertia (J)	: 13.2 sq.ft.lb	
LRC	: 5.8	Duty cycle	: Cont.(S1)	
Rated torque	: 135 ft.lb	Insulation class	: F	
Locked rotor torque	: 190 %	Service factor	: 1.00	
Breakdown torque	: 229 %	Temperature rise	: 80 K	
Rated speed	: 975 rpm	Design	: B	
Locked roter time	: 27s (cold) 15s (bot)			

LOCKCO TOTOL UITI	. 2	73 (cold) 103 (flot)			
Rev.		Changes Summary	Performed	Checked	Date
Darfarmad by		I			
Performed by					
Checked by				Page	Revision
Date	14/04/2022			3 / 36	

Three Phase Induction Motor - Squirrel Cage



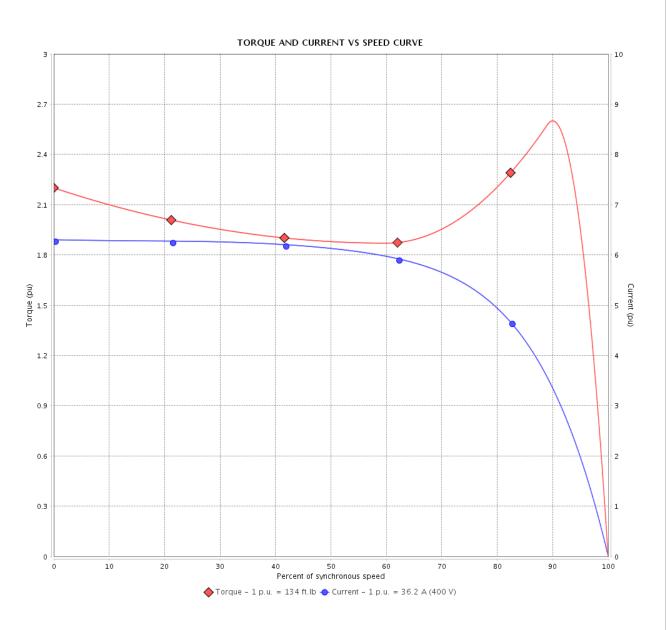
Customer :

Product line : NEMA Premium Efficiency Three- Product

Phase

Product code: 12745775

Catalog #: 03012ET3E326TC-W22



Performance : 400 V 50 Hz 6P IE3 Rated current : 36.2 A Moment of inertia (J) : 13.2 sq.ft.lb **LRC** : 6.3 Duty cycle : Cont.(S1) Insulation class Rated torque : 134 ft.lb : F Locked rotor torque : 220 % Service factor : 1.15 Breakdown torque : 260 % Temperature rise : 80 K Rated speed : 980 rpm Design : B

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

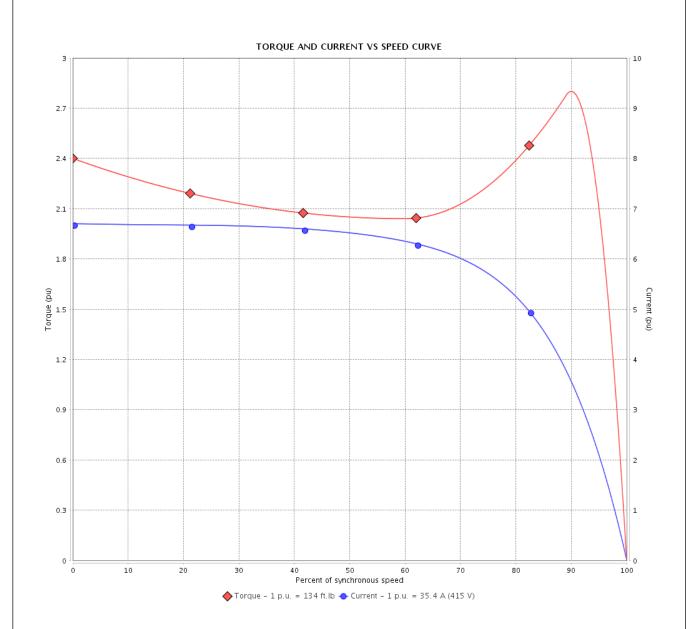
Rev.		Changes Summary	Performed	Checked	Date
Performed by					
Checked by				Page	Revision
Date	14/04/2022			4 / 36	

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : NEMA Premium Efficiency Three-Product code : 12745775
Phase Catalog # : 03012ET3E326TC-W22



Performance : 415 V 50 Hz 6P IE3 Rated current : 35.4 A Moment of inertia (J) : 13.2 sq.ft.lb **LRC** : 6.7 Duty cycle : Cont.(S1) : 134 ft.lb Insulation class : F Rated torque : 240 % Locked rotor torque Service factor : 1.15 Breakdown torque : 280 % Temperature rise : 80 K : B Rated speed : 980 rpm Design Locked rotor time : 27s (cold) 15s (hot)

LOCKCU TOLOT LITT	. 2	73 (cold) 103 (110t)			
Rev.		Changes Summary	Performed	Checked	Date
Performed by					
Checked by				Page	Revision
Date	14/04/2022	1		5 / 36	

Three Phase Induction Motor - Squirrel Cage



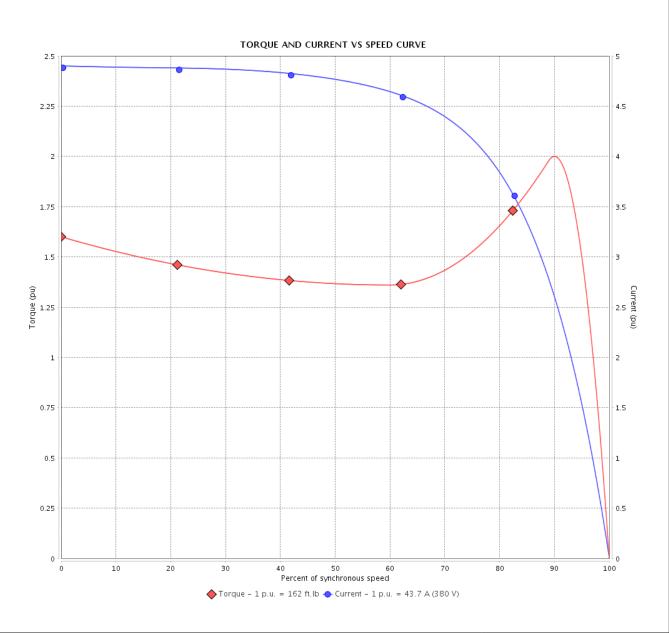
Customer :

Product line : NEMA Premium Efficiency Three- P

Phase

Product code: 12745775

Catalog #: 03012ET3E326TC-W22



Performance	: 380 V 50 Hz 6P IE2		
Rated current LRC Rated torque Locked rotor torque Breakdown torque Rated speed	: 43.7 A : 4.9 : 162 ft.lb : 160 % : 200 % : 970 rpm	Moment of inertia (J) Duty cycle Insulation class Service factor Temperature rise Design	: 13.2 sq.ft.lb : Cont.(S1) : F : 1.00 : 80 K : B

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

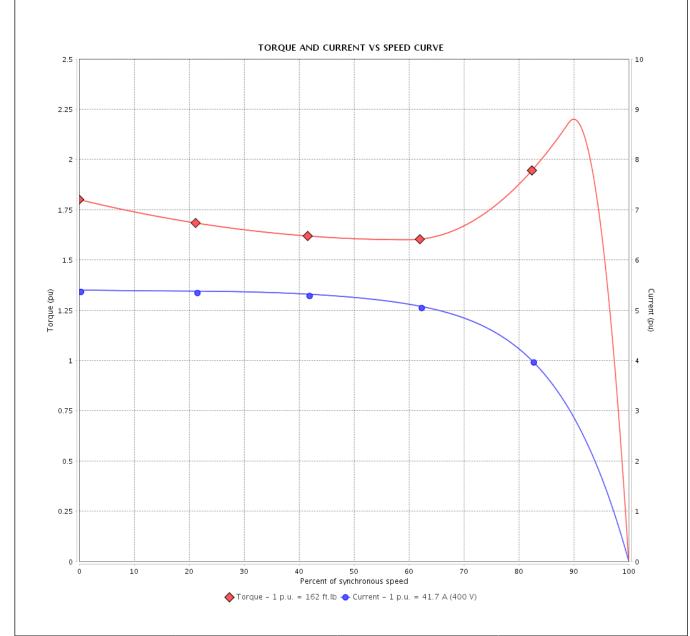
Rev.		Changes Summary	Performed	Checked	Date
Performed by					
Checked by				Page	Revision
Date	14/04/2022			6 / 36	

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : NEMA Premium Efficiency Three-Product code : 12745775
Phase Catalog # : 03012ET3E326TC-W22



Performance	: 400 V 50 Hz 6P IE2			
Rated current	: 41.7 A	Moment of inertia (J)	: 13.2 sq.ft.lb	
LRC	: 5.4	Duty cycle	: Cont.(S1)	
Rated torque	: 162 ft.lb	Insulation class	: F	
Locked rotor torque	: 180 %	Service factor	: 1.15	
Breakdown torque	: 220 %	Temperature rise	: 80 K	
Rated speed	: 975 rpm	Design	: B	
Locked rotor time	: 27s (cold) 15s (hot)	L		

Locked folor time	. 2	75 (COId) 155 (1101)			
Rev.		Changes Summary	Performed	Checked	Date
Performed by					
Checked by				Page	Revision
Date	14/04/2022			7 / 36	

Three Phase Induction Motor - Squirrel Cage



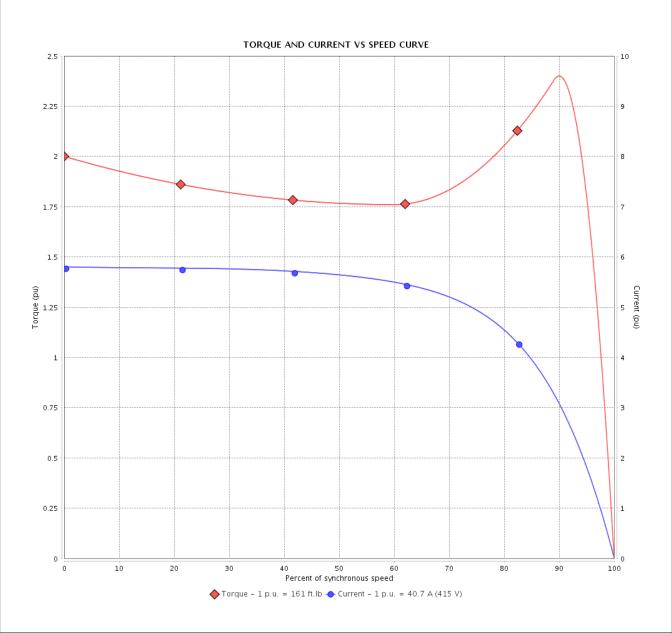
Customer :

Product line : NEMA Premium Efficiency Three- Produ

Phase

Product code: 12745775

Catalog #: 03012ET3E326TC-W22



Performance : 415 V 50 Hz 6P IE2 Rated current : 40.7 A Moment of inertia (J) : 13.2 sq.ft.lb **LRC** : 5.8 Duty cycle : Cont.(S1) Insulation class Rated torque : 161 ft.lb : F Locked rotor torque : 200 % Service factor : 1.15 Breakdown torque : 240 % Temperature rise : 80 K Rated speed : 980 rpm Design : B

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

Rev.		Changes Summary	Performed	Checked	Date
Performed by					
Checked by				Page	Revision
Date	14/04/2022			8 / 36	

Three Phase Induction Motor - Squirrel Cage

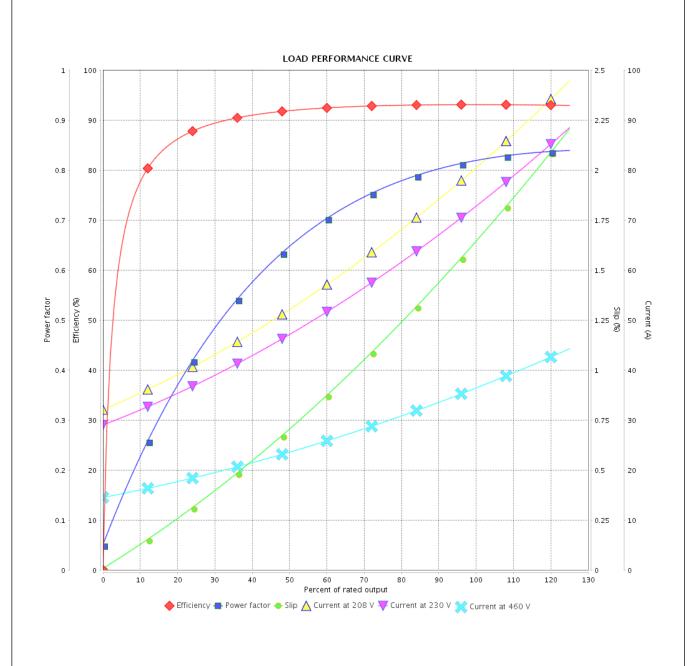


Customer

Product line : NEMA Premium Efficiency Three- Product code : 12745775

Phase

Catalog #: 03012ET3E326TC-W22



Performance	Performance : 230/460 V 60 Hz 6P					
Rated current	: 7	2.4/36.2 A	Moment o	f inertia (J)	: 13.2 sq.ft.lb	
LRC	: 6	5.2	Duty cycle	;	: Cont.(S1)	
Rated torque	: 1	34 ft.lb	Insulation	class	: F	
Locked rotor torque	e : 2	20 %	Service fa	ctor	: 1.25	
Breakdown torque	: 2	240 % Temperature rise		ıre rise	: 80 K	
Rated speed	: 1	180 rpm	Design		: B	
Rev.		Changes Summary		Performed	Checked	Date
Performed by						
Checked by					Page	Revision
Date	14/04/2022	7			9 / 36	

Three Phase Induction Motor - Squirrel Cage



Customer :

Checked by

Date

14/04/2022

Product line : NEMA Premium Efficiency Three- Product code : 12745775

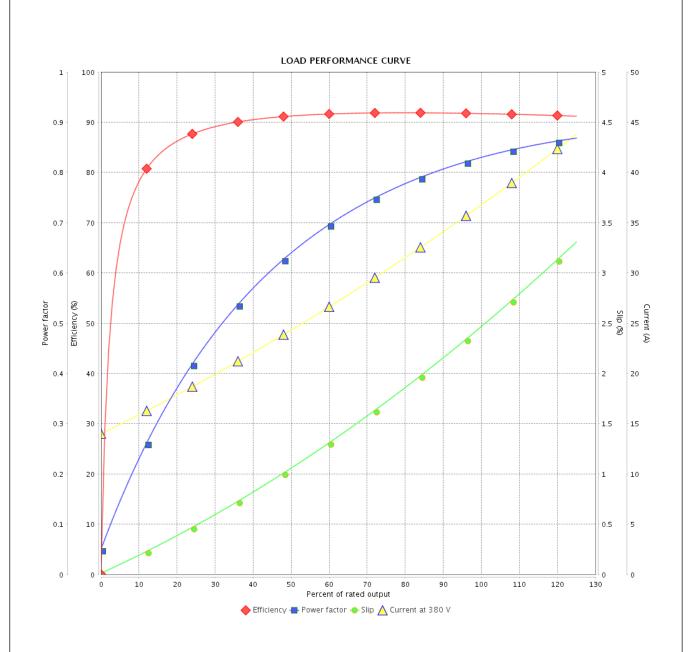
Phase

Catalog #: 03012ET3E326TC-W22

Page

10/36

Revision



Performance	: 380 V 50 Hz 6P IE3				
Rated current LRC Rated torque Locked rotor torque Breakdown torque Rated speed	: 36.9 A : 5.8 : 135 ft.lb : 190 % : 229 % : 975 rpm	Moment of Duty cycle Insulation Service fa Temperate Design	class ctor	: 13.2 sq.ft.lb : Cont.(S1) : F : 1.00 : 80 K : B	
Rev.	Changes Summary		Performed	Checked	Date
Performed by					

Three Phase Induction Motor - Squirrel Cage



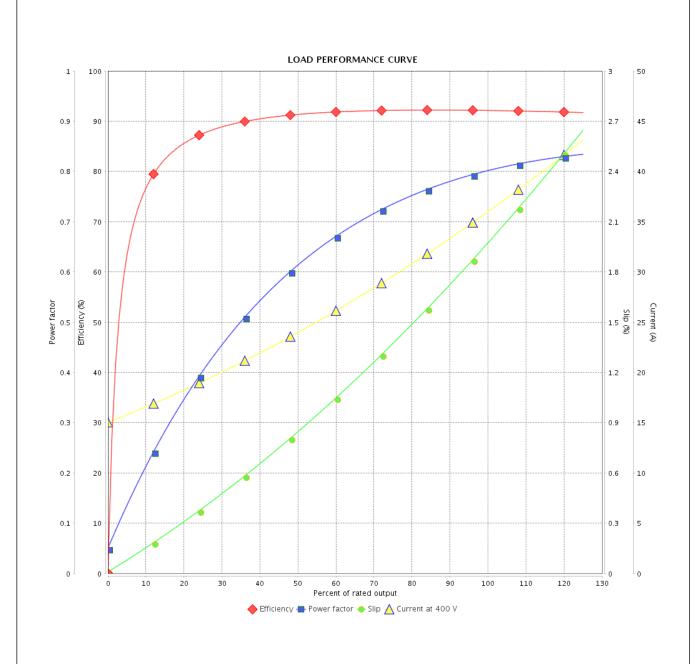
Customer

Product line : NEMA Premium Efficiency Three- Product code : 12745775

Phase

Catalog #: 03012ET3E326TC-W22

11/36



Performance	: 400 V 50 Hz 6P IE3				
Rated current LRC Rated torque Locked rotor torque Breakdown torque Rated speed	: 36.2 A : 6.3 : 134 ft.lb : 220 % : 260 % : 980 rpm	Moment of inertia (J) Duty cycle Insulation class Service factor Temperature rise Design		: 13.2 sq.ft.lb : Cont.(S1) : F : 1.15 : 80 K : B	
Rev.	Changes Summary		Performed	Checked	Date
Performed by					
Checked by				Page	Revision

14/04/2022

Date

Three Phase Induction Motor - Squirrel Cage



Customer :

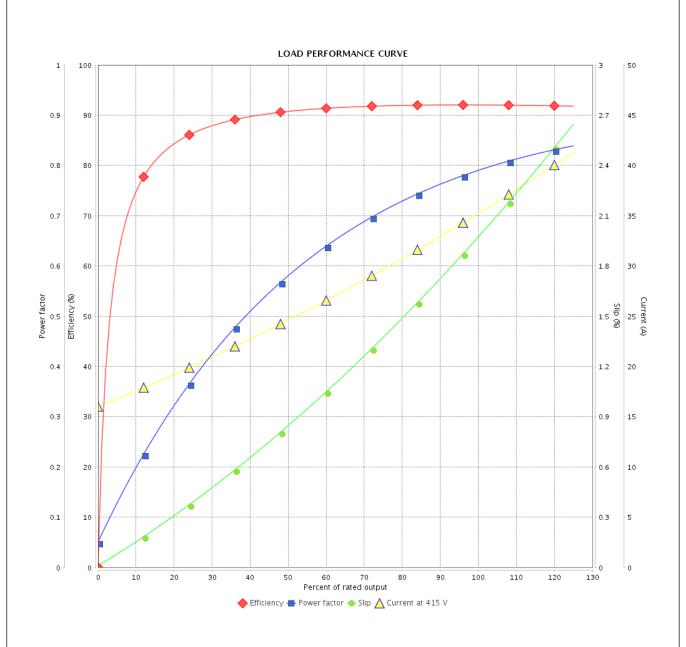
Product line : NEMA Premium Efficiency Three- Prod

Phase

Product code: 12745775

Catalog #: 03012ET3E326TC-W22

12/36



					<u> </u>	
Performance : 415 V 50 Hz 6P IE3		3				
Rated current : 35.4 A Moment of		f inertia (J)	: 13.2 sq.ft.lb			
LRC	: 6.	.7	Duty cycle		: Cont.(S1)	
Rated torque	: 1:	34 ft.lb	Insulation class		: F	
Locked rotor torque : 240 %		40 %	Service fa	Service factor		
Breakdown torque : 280 %		Temperat	Temperature rise			
Rated speed	: 98	80 rpm	Design		: B	
Rev.		Changes Summa	ary	Performed	Checked	Date
Performed by						
Checked by		1			Page	Revision

14/04/2022

Date

Three Phase Induction Motor - Squirrel Cage

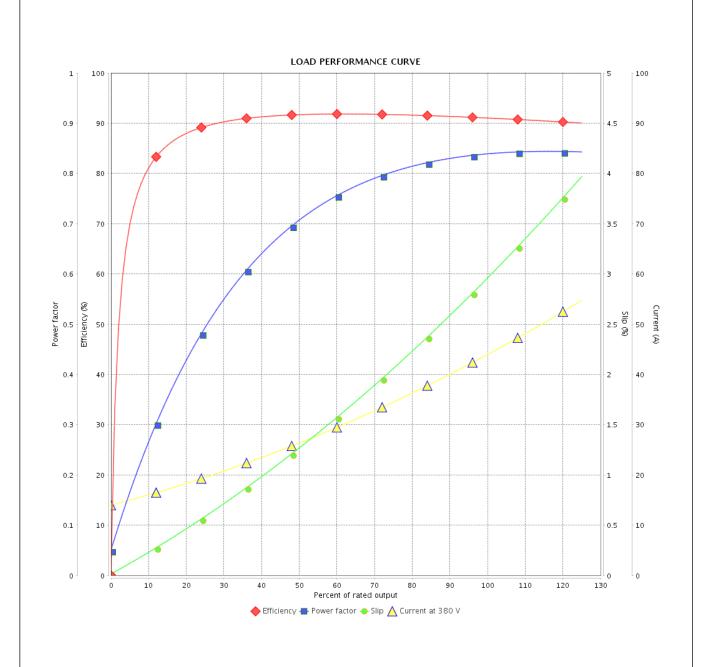


Customer

Product line : NEMA Premium Efficiency Three- Product code : 12745775

Phase

Catalog #: 03012ET3E326TC-W22



Performance	: 3	380 V 50 Hz 6P IE2				
Rated current	: 4	13.7 A	Moment o	f inertia (J)	: 13.2 sq.ft.lb	
LRC	: 4	1.9	Duty cycle	;	: Cont.(S1)	
Rated torque	: 1	162 ft.lb	Insulation	class	: F	
Locked rotor torque : 160 %		160 %	Service fa	ctor	: 1.00	
Breakdown torque		200 %	Temperature rise		: 80 K	
Rated speed	: 9	970 rpm	Design		: B	
Rev.		Changes Summa	ry	Performed	Checked	Date
Performed by						
Checked by					Page	Revision
Date	14/04/2022				13 / 36	

Three Phase Induction Motor - Squirrel Cage



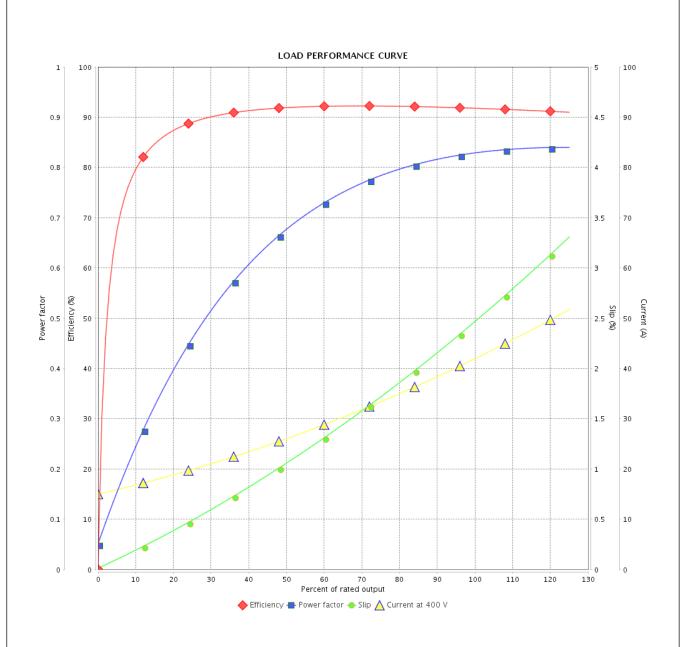
Customer :

Product line : NEMA Premium Efficiency Three- Produ

Phase

Product code: 12745775

Catalog #: 03012ET3E326TC-W22



: 40	00 V 50 Hz 6P IE2				
: 5. : 10 que : 18 ue : 2:	.4 62 ft.lb 80 % 20 %	Duty cycle Insulation Service fa Temperate	class ctor	: 13.2 sq.ft.lb : Cont.(S1) : F : 1.15 : 80 K : B	
Changes Summary			Performed	Checked	Date
	: 4 : 5 : 1 que : 1 ue : 2	ie : 220 % : 975 rpm	: 41.7 A	: 41.7 A : 5.4 Duty cycle : 162 ft.lb Insulation class Que : 180 % Service factor Temperature rise Design	: 41.7 A Moment of inertia (J) : 13.2 sq.ft.lb : 5.4 Duty cycle : Cont.(S1) : 162 ft.lb Insulation class : F que : 180 % Service factor : 1.15 ue : 220 % Temperature rise : 80 K : 975 rpm Design : B

erformed by					
hecked by				Page	Revision
Date	14/04/2022			14 / 36	
	erformed by Checked by Date	Checked by	Checked by	Checked by	Checked by Page

Three Phase Induction Motor - Squirrel Cage



Customer

Checked by

Date

14/04/2022

Product line : NEMA Premium Efficiency Three- Product code : 12745775

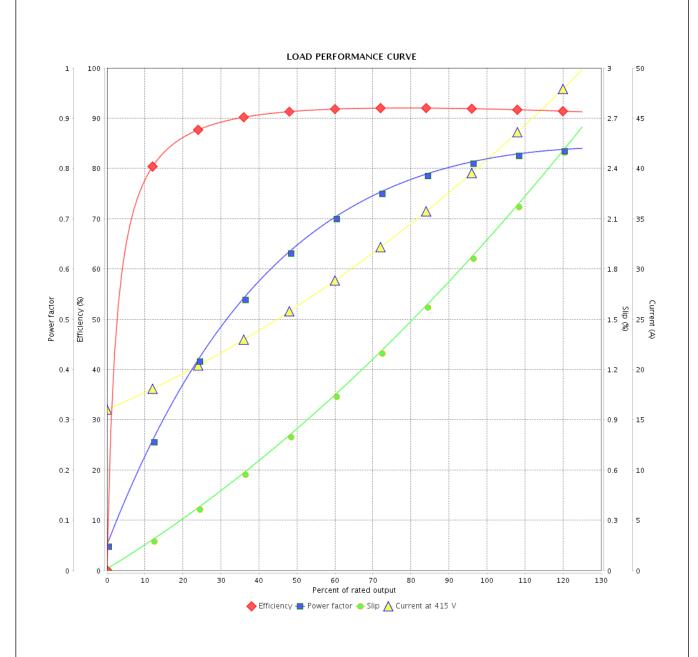
Phase

Catalog #: 03012ET3E326TC-W22

Page

15 / 36

Revision



Performance	: 415 V 50 Hz 6P IE2				
Rated current LRC Rated torque Locked rotor torque Breakdown torque Rated speed	: 40.7 A : 5.8 : 161 ft.lb : 200 % : 240 % : 980 rpm	Moment of Duty cycle Insulation Service fa Temperate Design	class ctor	: 13.2 sq.ft.lb : Cont.(S1) : F : 1.15 : 80 K : B	
Rev.	Changes Summary		Performed	Checked	Date
Performed by					

Three Phase Induction Motor - Squirrel Cage

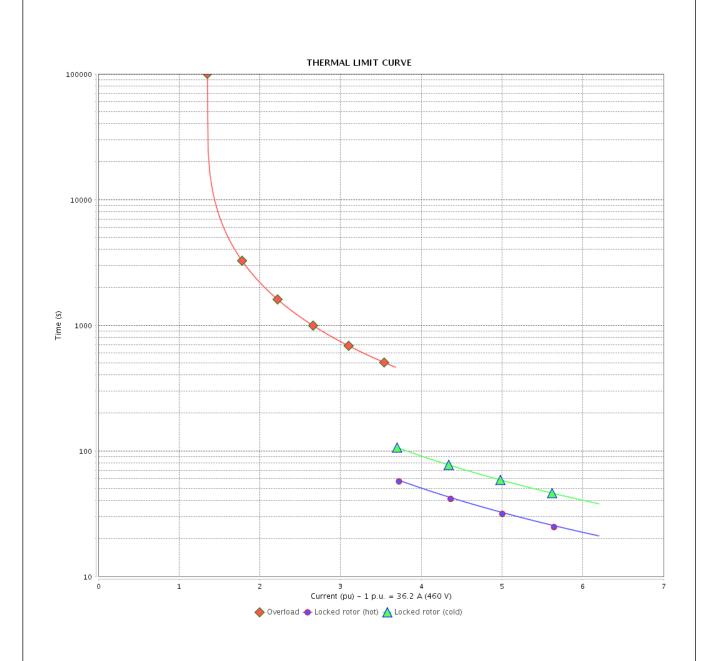


Customer		:				
Product line		: NEMA Premium Efficiency Phase		Product code :	12745775	222
				Catalog # :	03012ET3E3	261C-W22
Danfarmana		220/400 \/ 00 LI= 0D				
Performance Rated current		230/460 V 60 Hz 6P 72.4/36.2 A	Moment o	f inertia (J)	: 13.2 sq.ft.lb	
LRC	:	6.2	Duty cycle		: Cont.(S1)	
Rated torque Locked rotor torc		134 ft.lb 220 %	Insulation Service fa		: F : 1.25	
Breakdown torqu		240 %	Temperati		: 80 K	
Rated speed		1180 rpm	Design		: B	
Heating constant						
Cooling constant						
Rev.		Changes Summary		Performed	Checked	Date
Dorfo !!						
Performed by Checked by					Dogo	Revision
Date	14/04/2022				Page 16 / 36	VENIPIOLI

Three Phase Induction Motor - Squirrel Cage



Customer



Rev.		Changes Summary	Performed	Checked	Date
Performed by					
Checked by				Page	Revision
Date	14/04/2022			17 / 36	

Three Phase Induction Motor - Squirrel Cage

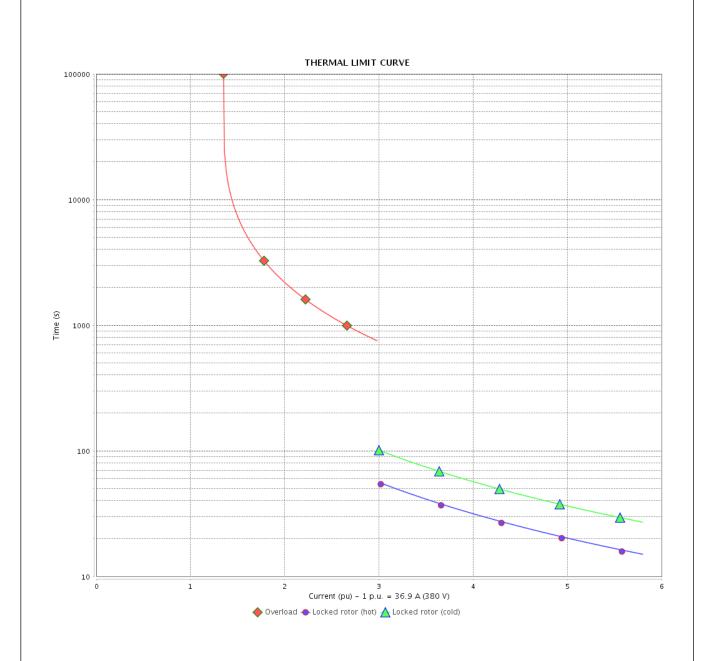


Customer		:				
Product line		: NEMA Premium Efficiency Phase		Product code : Catalog # :	12745775 03012ET3E32	26TC-W22
				<u> </u>		
Performance		: 380 V 50 Hz 6P IE3				
Rated current LRC		: 36.9 A : 5.8	Moment of Duty cycle	of inertia (J) e	: 13.2 sq.ft.lb : Cont.(S1)	
Rated torque Locked rotor tord		: 135 ft.lb : 190 %	Insulation Service fa	class	: F : 1.00	
Breakdown torqu	ue	: 229 %	Temperat		: 80 K	
Rated speed		: 975 rpm	Design		: B	
Heating constant						
Cooling constant	L	Changes Summary		Performed	Checked	Date
Performed by				`		
Checked by	4.40.4/225				Page 18 / 36	Revision
Date	14/04/2022	T T			18 / 36	

Three Phase Induction Motor - Squirrel Cage



Customer



Rev.		Changes Summary	Performed	Checked	Date
Performed by					
Checked by				Page	Revision
Date	14/04/2022			19 / 36	

Three Phase Induction Motor - Squirrel Cage

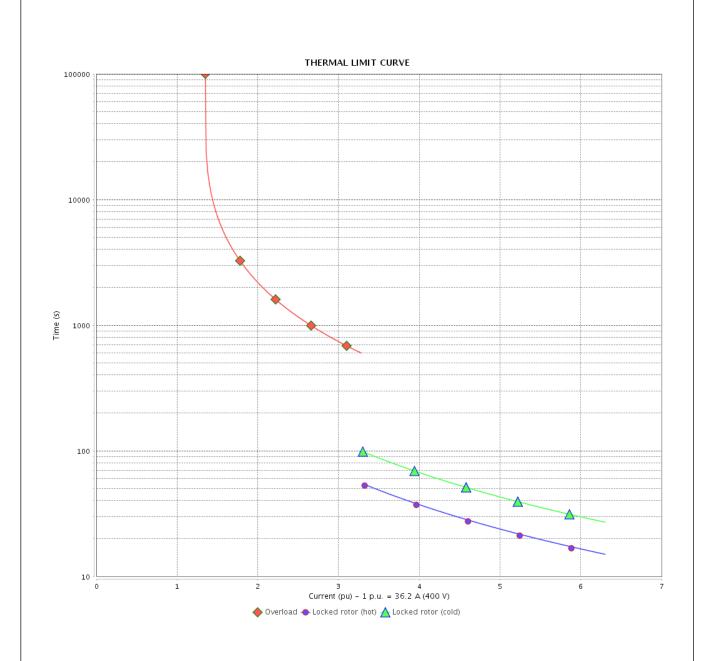


Customer		:				
Product line		: NEMA Premium Efficiency Phase		Product code : Catalog # :	12745775 03012ET3E32	26TC-W22
Performance		: 400 V 50 Hz 6P IE3	I			
Rated current LRC		: 36.2 A : 6.3	Moment of Duty cycle	of inertia (J) e	: 13.2 sq.ft.lb : Cont.(S1)	
Rated torque Locked rotor tord		: 134 ft.lb : 220 %	Insulation Service fa	class	: F : 1.15	
Breakdown torqu		: 260 %	Temperat		: 80 K	
Rated speed		: 980 rpm	Design		: B	
Heating constant						
Cooling constant	τ	Changes Summers		Performed	Checked	Date
r\ev.		Changes Summary		renomea	CHECKEG	Dale
Performed by						
Checked by					Page	Revision
Date	14/04/2022				20 / 36	

Three Phase Induction Motor - Squirrel Cage



Customer



Rev.		Changes Summary	Performed	Checked	Date
Performed by					
Checked by				Page	Revision
Date	14/04/2022			21 / 36	

Three Phase Induction Motor - Squirrel Cage

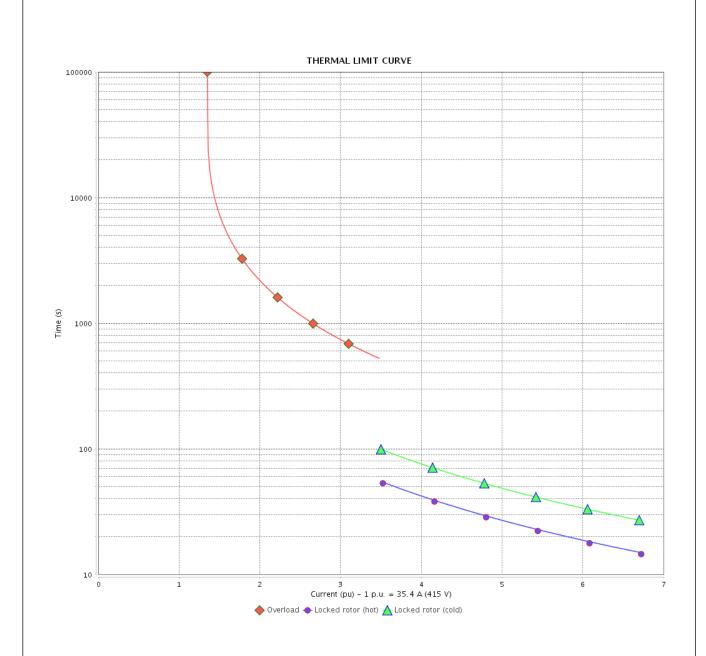


Customer	<u> </u>			_	•
Guatomei	•				
Product line	: NEMA Premium Efficiency Phase	Three-	Product code :	12745775	
	THOSE		Catalog # :	03012ET3E32	26TC-W22
Performance	: 415 V 50 Hz 6P IE3		61 (1 / IS	40.0	
Rated current LRC	: 35.4 A : 6.7	Moment o	f inertia (J)	: 13.2 sq.ft.lb : Cont.(S1)	
Rated torque	: 134 ft.lb	Insulation	class	: F	
Locked rotor torque	: 240 %	Service fa		: 1.15	
Breakdown torque Rated speed	: 280 % : 980 rpm	Temperati Design	ure rise	: 80 K : B	
Heating constant					
Cooling constant			1	1	
Rev.	Changes Summary		Performed	Checked	Date
Performed by				_	
Checked by				Page	Revision
Date 14/04	/2022			22 / 36	

Three Phase Induction Motor - Squirrel Cage



Customer



Rev.		Changes Summary	Performed	Checked	Date
Performed by					
Checked by				Page	Revision
Date	14/04/2022			23 / 36	

Three Phase Induction Motor - Squirrel Cage

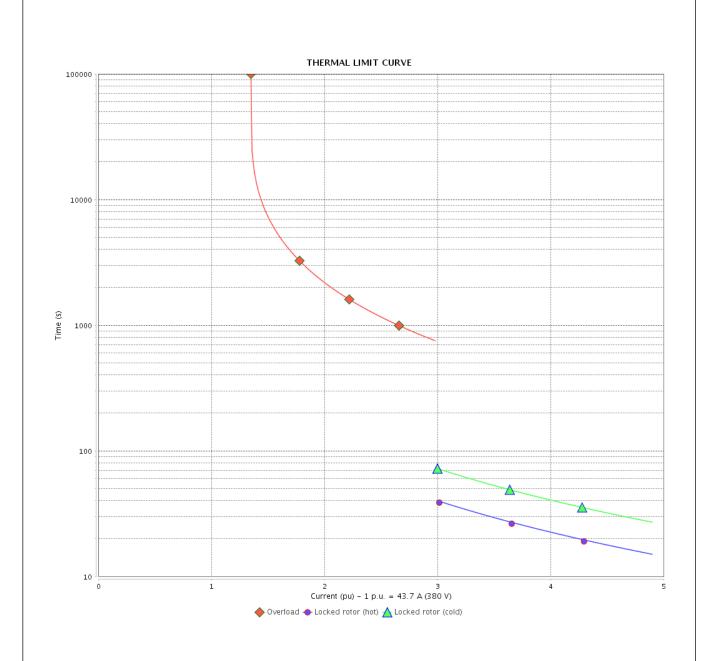


Customer	:					
Product line		NEMA Premium Efficiency ⁻ Phase		Product code : Catalog # :	12745775 03012ET3E3	26TC-W22
Performance Rated current LRC Rated torque Locked rotor torc	14 14	380 V 50 Hz 6P IE2 43.7 A 4.9 162 ft.lb 160 %	Moment or Duty cycle Insulation Service fa	class	: 13.2 sq.ft.lb : Cont.(S1) : F : 1.00	
Breakdown torque Rated speed Heating constant	: ! t	200 % 970 rpm	Temperatu Design	ıre rise	: 80 K : B	
Cooling constant Rev.		Changes Summary		Performed	Checked	Date
Performed by Checked by Date	14/04/2022				Page 24 / 36	Revision

Three Phase Induction Motor - Squirrel Cage



Customer



Rev.		Changes Summary	Performed	Checked	Date
Performed by					
Checked by				Page	Revision
Date	14/04/2022			25 / 36	

Three Phase Induction Motor - Squirrel Cage

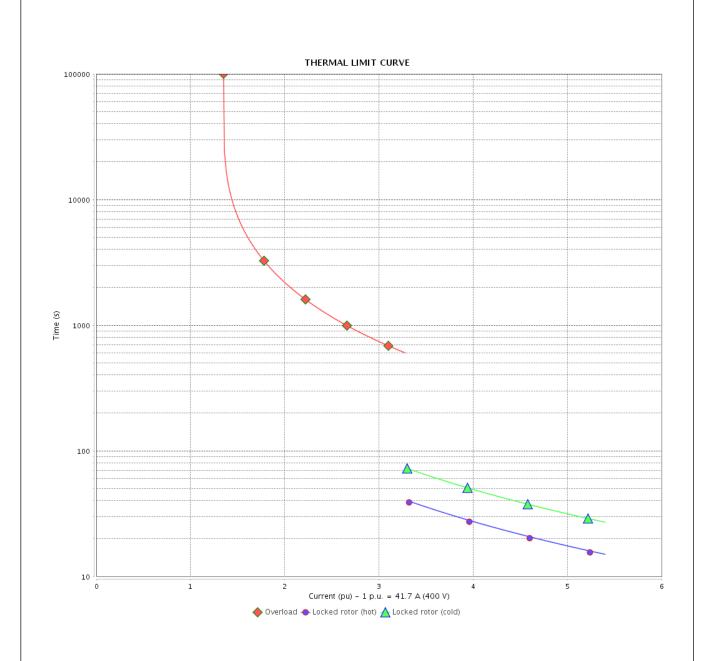


Customer		:				
Product line		: NEMA Premium Efficiency Phase		Product code : Catalog # :	12745775 03012ET3E32	26TC-W22
Performance		: 400 V 50 Hz 6P IE2				
Rated current LRC		: 41.7 A : 5.4	Moment o	of inertia (J)	: 13.2 sq.ft.lb	
Rated torque		: 162 ft.lb	Duty cycle Insulation	class	: Cont.(S1) : F	
Locked rotor tord Breakdown torqu		: 180 % : 220 %	Service fa Temperat		: 1.15 : 80 K	
Rated speed		: 975 rpm	Design	uro 1130	: B	
Heating constan						
Cooling constant	t	Oh 0		Dorfo I	Oh a al	D-4
Rev.		Changes Summary		Performed	Checked	Date
Performed by						
Checked by					Page	Revision
Date	14/04/2022				26 / 36	

Three Phase Induction Motor - Squirrel Cage



Customer



Rev.		Changes Summary	Performed	Checked	Date
Performed by			·		
Checked by				Page	Revision
Date	14/04/2022			27 / 36	

Three Phase Induction Motor - Squirrel Cage

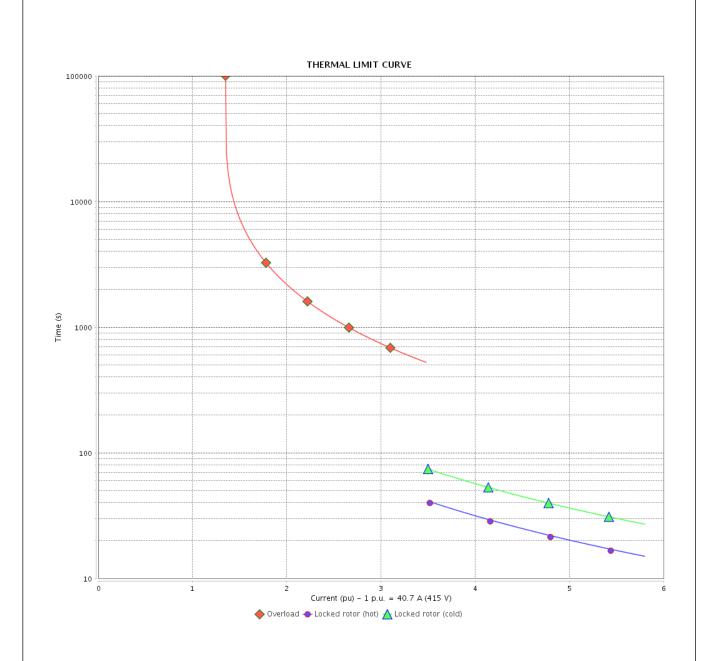


Customer	:				
Product line	: NEMA Premium Efficiency Phase	Three-	Product code :	12745775	
	Tildoc		Catalog # :	03012ET3E32	:6TC-W22
Performance	: 415 V 50 Hz 6P IE2	14	finantia (I)	. 40.0 # #	
Rated current LRC	: 40.7 A : 5.8	Duty cycle		: 13.2 sq.ft.lb : Cont.(S1)	
Rated torque	: 161 ft.lb	Insulation	class	: F	
Locked rotor torque Breakdown torque	: 200 % : 240 %	Service fa Temperati		: 1.15 : 80 K	
Rated speed	: 980 rpm	Design		: B	
Heating constant					
Cooling constant					
Rev.	Changes Summary		Performed	Checked	Date
Porformed by					
Performed by Checked by				Page	Revision
	4/04/2022			28 / 36	IZEAISIOH

Three Phase Induction Motor - Squirrel Cage



Customer



Rev.		Changes Summary	Performed	Checked	Date
Performed by					
Checked by				Page	Revision
Date	14/04/2022			29 / 36	

Three Phase Induction Motor - Squirrel Cage



Customer :

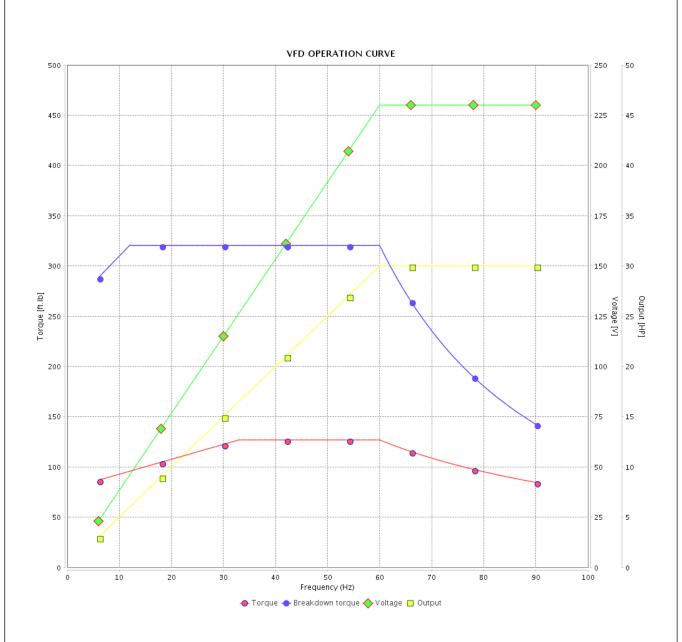
Product line : NEMA Premium Efficiency Three- Product code :

Phase

Product code: 12745775

Catalog #: 03012ET3E326TC-W22

30 / 36



			·			
Performance	: 2:	30/460 V 60 Hz 6P				
Rated current	: 72	2.4/36.2 A	Moment o	f inertia (J)	: 13.2 sq.ft.lb	
LRC	: 6.	.2	Duty cycle		: Cont.(S1)	
Rated torque	: 1:	34 ft.lb	Insulation	class	: F	
Locked rotor tord	que : 2:	20 %	Service fa	ctor	: 1.25	
Breakdown torqu	ue : 24	40 %	Temperati	ıre rise	: 80 K	
Rated speed	: 1	180 rpm	Design		: B	
Rev.		Changes Summar	У	Performed	Checked	Date
Performed by						
Checked by		1			Page	Revision

14/04/2022

Date

Three Phase Induction Motor - Squirrel Cage

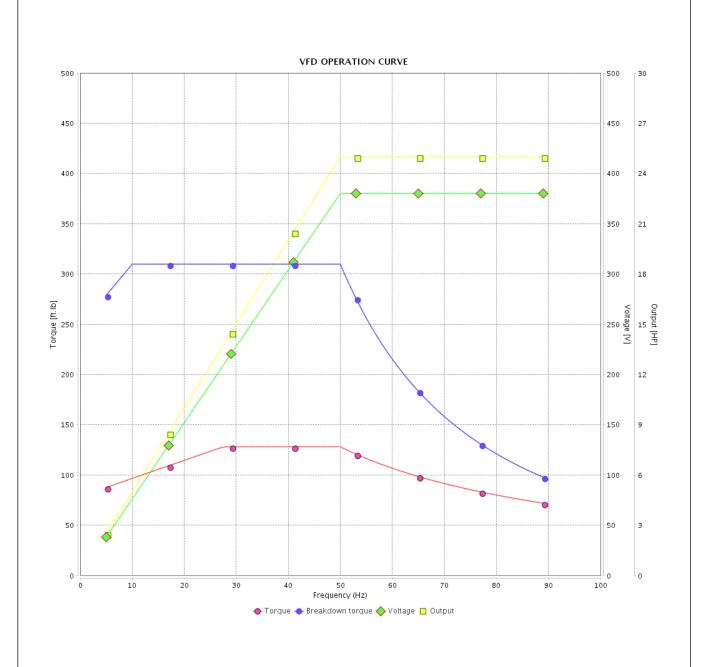


Customer

Product line : NEMA Premium Efficiency Three- Product code : 12745775

Phase

Catalog #: 03012ET3E326TC-W22



Performance	: 38	80 V 50 Hz 6P IE3				
Rated current	: 30	6.9 A	Moment o	f inertia (J)	: 13.2 sq.ft.lb	
LRC	: 5	.8	Duty cycle)	: Cont.(S1)	
Rated torque	: 13	35 ft.lb	Insulation	class	: F	
Locked rotor torque	e : 19	90 %	Service fa	ctor	: 1.00	
Breakdown torque	: 2:	29 %	Temperature rise		: 80 K	
Rated speed	: 9	75 rpm	Design		: B	
Rev.		Changes Summar	у	Performed	Checked	Date
Performed by		1				
renormed by						
Checked by					Page	Revision
Date	14/04/2022				31 / 36	

Three Phase Induction Motor - Squirrel Cage



Customer :

Checked by

Date

14/04/2022

Product line : NEMA Premium Efficiency Three-

Phase

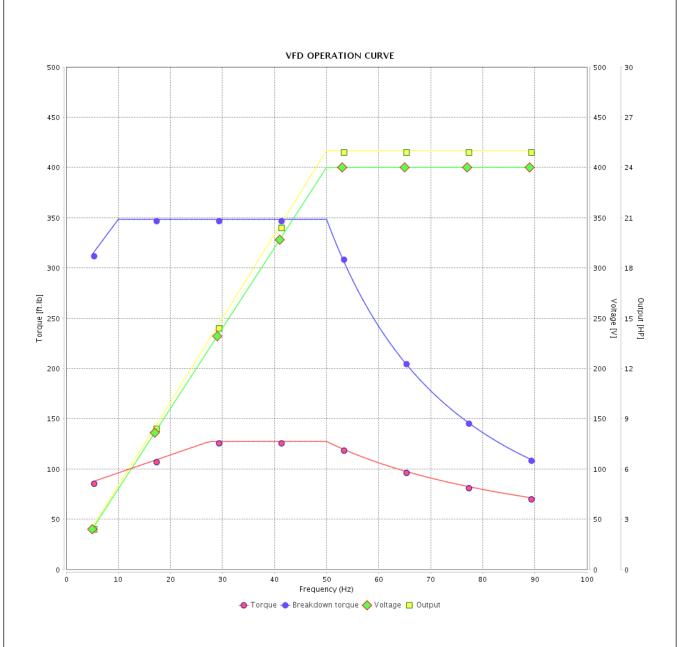
Product code: 12745775

Catalog #: 03012ET3E326TC-W22

Page

32 / 36

Revision



Performance	: 4	00 V 50 Hz 6P IE3				
Rated current LRC Rated torque Locked rotor torque Breakdown torque Rated speed	: 6 : 1 jue : 2	66.2 A 6.3 34 ft.lb 20 % 60 % 80 rpm	Moment of inertia (J) Duty cycle Insulation class Service factor Temperature rise Design		: 13.2 sq.ft.lb : Cont.(S1) : F : 1.15 : 80 K : B	
Rev.		Changes Summary		Performed	Checked	Date
Performed by						

Three Phase Induction Motor - Squirrel Cage



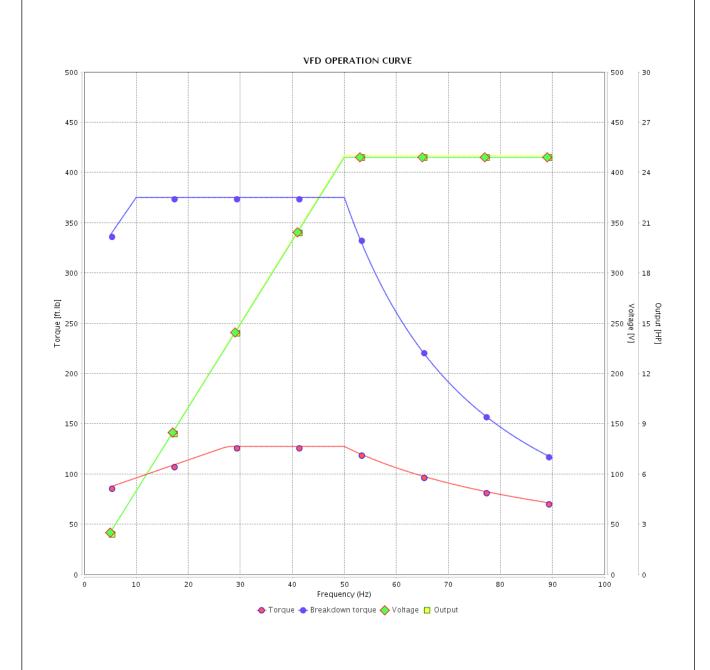
Customer

Product line : NEMA Premium Efficiency Three- Product code : 12745775

Phase

Catalog #: 03012ET3E326TC-W22

33 / 36



Performance	: 415 V 50 Hz 6P IE3	: 415 V 50 Hz 6P IE3						
Rated current	: 35.4 A	Moment of inertia (J)		: 13.2 sq.ft.lb				
LRC	: 6.7	Duty cycle		: Cont.(S1)				
Rated torque	: 134 ft.lb Insulation cla		class	: F				
Locked rotor torque	: 240 %	Service factor						
Breakdown torque	: 280 % Temperature ris		ure rise					
Rated speed	: 980 rpm	Design		: B				
Rev.	Changes Summary	I	Performed	Checked	Date			
Performed by								
Checked by				Page	Revision			

14/04/2022

Date

Three Phase Induction Motor - Squirrel Cage



Customer :

Checked by

Date

14/04/2022

Product line : NEMA Premium Efficiency Three- Product code : 12745775

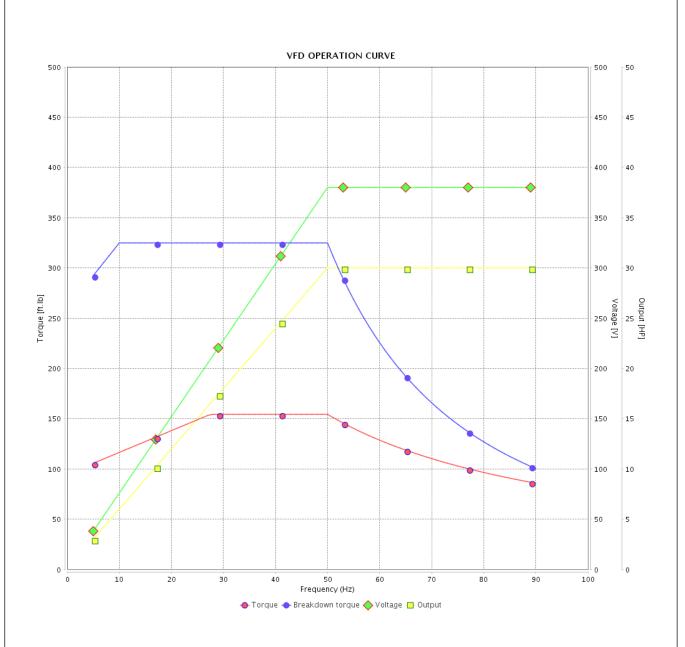
Phase

Catalog #: 03012ET3E326TC-W22

Page

34 / 36

Revision



: 380 V 50 Hz 6F	P IE2			
Rated current : 43.7 A LRC : 4.9 Rated torque : 162 ft.lb Locked rotor torque : 160 % Breakdown torque : 200 % Rated speed : 970 rpm		Moment of inertia (J) Duty cycle Insulation class Service factor Temperature rise Design		
Changes Summary		Performed	Checked	Date
	: 43.7 A : 4.9 : 162 ft.lb : 160 % e : 200 % : 970 rpm	: 4.9 : 162 ft.lb : 160 % : 200 % : 970 rpm Duty cycle Insulation Service fa Temperatu Design	: 43.7 A : 4.9 : 162 ft.lb ue : 160 % : 200 % : 970 rpm Moment of inertia (J) Duty cycle Insulation class Service factor Temperature rise Design	: 43.7 A Moment of inertia (J) : 13.2 sq.ft.lb : 4.9 Duty cycle : Cont.(S1) : 162 ft.lb Insulation class : F ue : 160 % Service factor : 1.00 e : 200 % Temperature rise : 80 K : 970 rpm Design : B

Three Phase Induction Motor - Squirrel Cage

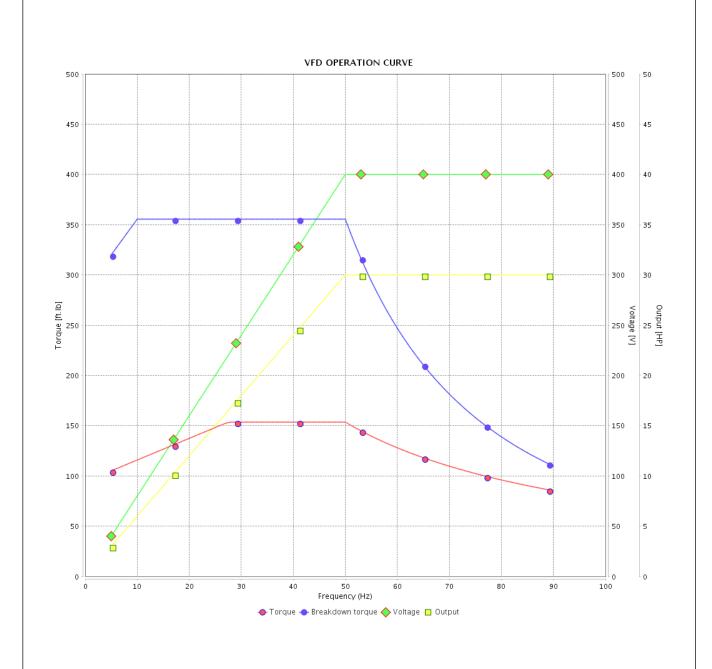


Customer

Product line : NEMA Premium Efficiency Three- Product code : 12745775

Phase

Catalog #: 03012ET3E326TC-W22



Performance :		: 400 V 50 Hz 6P IE2						
Rated current LRC Rated torque Locked rotor torque Breakdown torque	: 5: : 10 e : 16			class ctor	: 13.2 sq.ft.lb : Cont.(S1) : F : 1.15 : 80 K			
Rated speed	: 9				: B			
Rev.	v. Changes Summary		1	Performed	Checked	Date		
Performed by								
Checked by					Page	Revision		
Date	14/04/2022				35 / 36			

Three Phase Induction Motor - Squirrel Cage



Customer :

Checked by

Date

14/04/2022

Product line : NEMA Premium Efficiency Three-

Phase

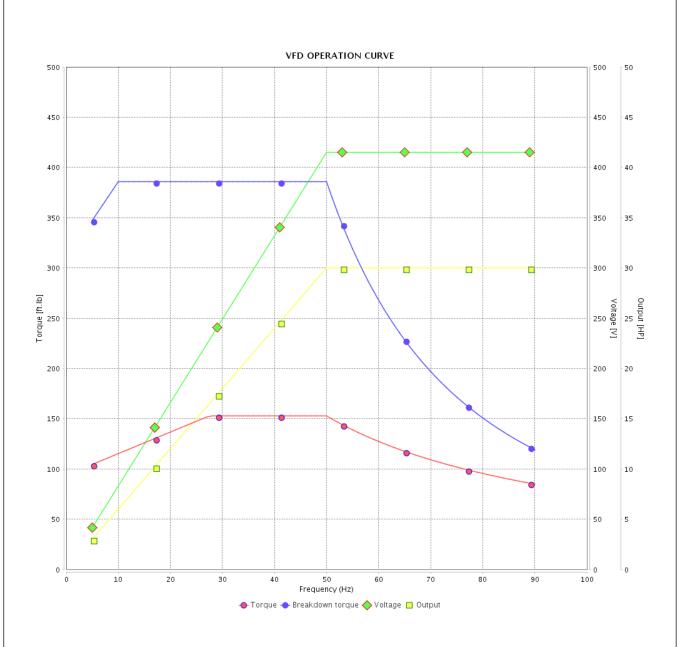
Product code: 12745775

Catalog #: 03012ET3E326TC-W22

Page

36 / 36

Revision



Performance	: 415 V 50 Hz 6P IE2				
Rated current LRC Rated torque Locked rotor torque Breakdown torque Rated speed	: 40.7 A : 5.8 : 161 ft.lb : 200 % : 240 % : 980 rpm	Moment of inertia (J) Duty cycle Insulation class Service factor Temperature rise Design		: 13.2 sq.ft.lb : Cont.(S1) : F : 1.15 : 80 K : B	
Rev.	Changes Summary		Performed	Checked	Date
Performed by					

