DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer Product line : W22 NEMA Premium Efficiency Product code: 11416577 Three-Phase Catalog #: 00218ET3E145T-W22 Frame : 143/5T Cooling method : IC411 - TEFC Insulation class Mounting : F-1 Duty cycle : Cont.(S1) Rotation¹ : Both (CW and CCW) : -20°C to +40°C Starting method Ambient temperature : Direct On Line : 1000 m.a.s.l. Approx. weight³ : 50.0 lb Altitude : IP55 Protection degree Moment of inertia (J) : 0.1561 sq.ft.lb Design : B Output [HP] 2 1.5 1.5 1.5 2 2 Poles 4 4 4 4 4 60 50 50 50 50 50 Frequency [Hz] Rated voltage [V] 230/460 400 400 415 380 415 Rated current [A] 5.58/2.79 3.22 2.57 2.57 2.56 3.14 L. R. Amperes [A] 46.3/23.2 22.4 22.9 21.1 21.5 21.3 8.2x(Code L) 8.4x(Code M) 6.6x(Code J) 7.3x(Code K) LRC [A] 8.3x(Code L) 8.7x(Code M) No load current [A] 3.26/1.63 1.61 1.80 1.97 1.80 1.97 Rated speed [RPM] 1750 1460 1465 1465 1440 1450 Slip [%] 2.78 2.67 2.33 2.33 4.00 3.33 Rated torque [ft.lb] 6.00 5.40 5.38 5.38 7.29 7.24 Locked rotor torque [%] 270 290 320 350 229 250 Breakdown torque [%] 320 330 380 409 260 290 Service factor 1.25 1.25 1.25 1.25 1.25 1.25 Temperature rise 80 K 80 K 80 K 80 K 80 K 80 K Locked rotor time 18s (cold) 32s (cold) 28s (cold) 27s (cold) 21s (cold) 21s (cold) 10s (hot) 18s (hot) 16s (hot) 15s (hot) 12s (hot) 12s (hot) Noise level² 51.0 dB(A) 49.0 dB(A) 49.0 dB(A) 49.0 dB(A) 49.0 dB(A) 49.0 dB(A) 25% 50% 85.5 84.0 82.0 81.4 84.0 84.0 Efficiency (%) 75% 86.5 84.2 83.5 83.1 84.0 84.0 100% 86.5 84.5 84.5 84.1 84.0 84.0 25% 50% 0.57 0.55 0.50 0.47 0.62 0.60 Power Factor 75% 0.70 0.69 0.64 0.61 0.74 0.72 100% 0.78 0.77 0.73 0.71 0.80 0.79 Losses at normative operating points (speed;torque), in percentage of rated output power P1 (0,9;1,0) 15.0 15.0 15.0 15.0 15.0 15.0 P2 (0,5;1,0) 12.8 12.8 12.8 12.8 12.8 12.8 P3 (0,25;1,0) 12.1 12.1 12.1 12.1 12.1 12.1 P4 (0,9;0,5) 8.4 8.4 8.4 8.4 8.4 8.4 Losses (%) 6.0 P5 (0,5;0,5) 6.0 6.0 6.0 6.0 6.0 4.7 4.7 4.7 4.7 4.7 4.7 P6 (0,5;0,25) P7 (0,25;0,25) 3.5 3.5 3.5 3.5 3.5 3.5 Drive end Non drive end Foundation loads Bearing type 6205 ZZ 6204 ZZ Max. traction : 158 lb Sealing V'Ring V'Ring : 208 lb Max. compression Lubrication interval Lubricant amount Lubricant type Mobil Polyrex EM This revision replaces and cancel the previous one, which These are average values based on tests with sinusoidal must be eliminated. power supply, subject to the tolerances stipulated in NEMA (1) Looking the motor from the shaft end. MG-1. (2) Measured at 1m and with tolerance of +3dB(A). Performed Rev. **Changes Summary** Checked Date Performed by Checked by Page Revision 20/09/2024 1/32 Date

DATA SHEET



Three Pha	se Induction Motor - Squirrel Cage			шец
Customer	:			
Notes USABLE @208\	/ 5.85A SF 1.15 SFA 6.73A			
Rev.	Changes Summary	Performed	Checked	Date

Rev.		Changes Summary	Performed	Спескеа	Date
Performed by					
Checked by				Page	Revision
Date	20/09/2024			2/32	

Three Phase Induction Motor - Squirrel Cage



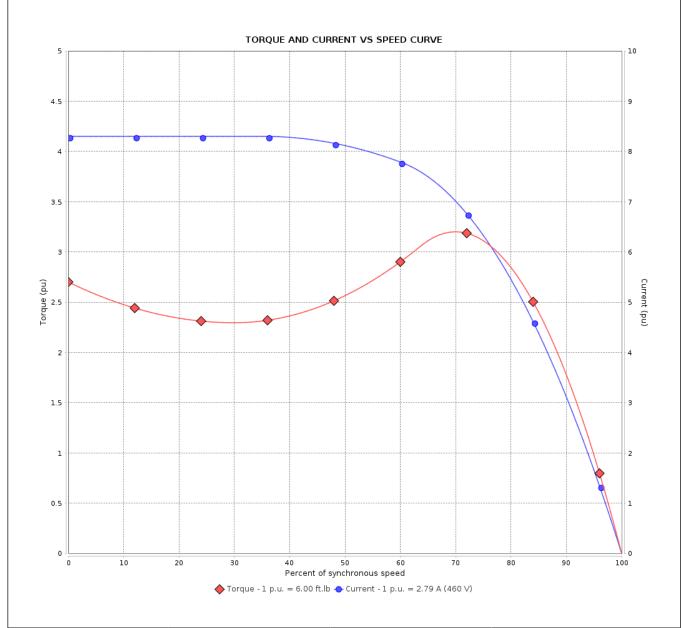
Customer :

Product line : W22 NEMA Premium Efficiency

Three-Phase

Product code: 11416577

Catalog #: 00218ET3E145T-W22



Performance	: 230/460 V 60 Hz 4P		
Rated current	: 5.58/2.79 A	Moment of inertia (J)	: 0.1561 sq.ft.lb
LRC	: 8.3	Duty cycle	: Cont.(S1)
Rated torque	: 6.00 ft.lb	Insulation class	:F
Locked rotor torque	: 270 %	Service factor	: 1.25
Breakdown torque	: 320 %	Temperature rise	: 80 K
Rated speed	: 1750 rpm	Design	: B
Looked roter time	: 18s (cold) 10s (bot)		

Locked rotor time : 18s (cold) 10s (hot)

Rev.		Changes Summary	Performed	Checked	Date
Performed by					
Checked by				Page	Revision
Date	20/09/2024			3 / 32	

Three Phase Induction Motor - Squirrel Cage



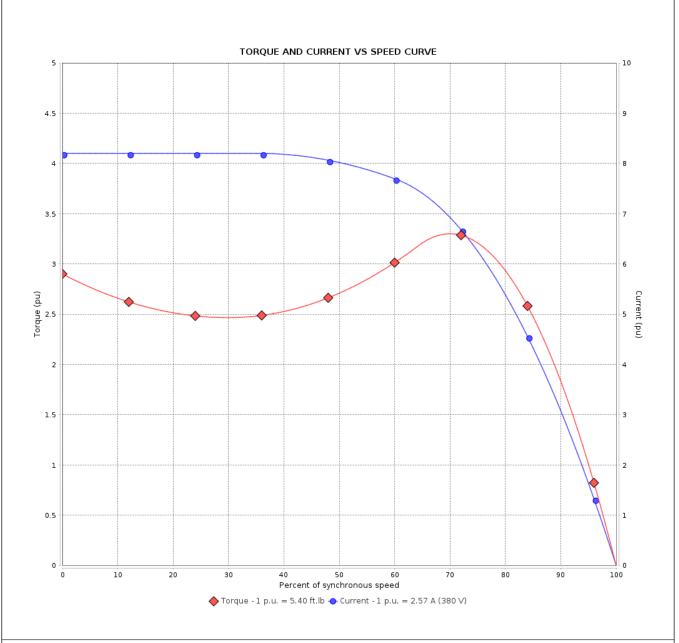
Customer :

Product line : W22 NEMA Premium Efficiency

Three-Phase

Product code: 11416577

Catalog #: 00218ET3E145T-W22



Performance : 380 V 50 Hz 4P IE3 Rated current : 2.57 A Moment of inertia (J) : 0.1561 sq.ft.lb **LRC** : 8.2 Duty cycle : Cont.(S1) : F Rated torque : 5.40 ft.lb Insulation class : 290 % Service factor Locked rotor torque : 1.25 Breakdown torque : 330 % Temperature rise : 80 K Rated speed : 1460 rpm Design : B

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

Rev.		Changes Summary	Performed	Checked	Date
Performed by					
Checked by				Page	Revision
Date	20/09/2024			4 / 32	

Three Phase Induction Motor - Squirrel Cage



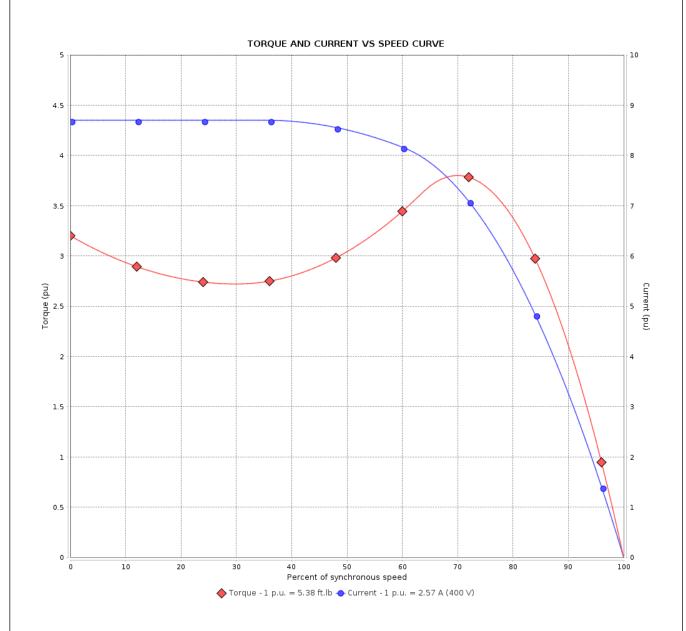
Customer

Product line : W22 NEMA Premium Efficiency

Three-Phase

Product code: 11416577

Catalog #: 00218ET3E145T-W22



Performance	: 400 V 50 Hz 4P IE3		
Rated current	: 2.57 A	Moment of inertia (J)	: 0.1561 sq.ft.lb
LRC	: 8.7	Duty cycle	: Cont.(S1)
Rated torque	: 5.38 ft.lb	Insulation class	:F `´
Locked rotor torque	: 320 %	Service factor	: 1.25
Breakdown torque	: 380 %	Temperature rise	: 80 K
Rated speed	: 1465 rpm	Design	: B
Locked rotor time	: 28s (cold) 16s (hot)		

	00 / 11 40 / 1
Locked rotor time	: 28s (cold) 16s (hot)

Rev.		Changes Summary	Performed	Checked	Date
Performed by					
Checked by				Page	Revision
Date	20/09/2024			5 / 32	

Three Phase Induction Motor - Squirrel Cage



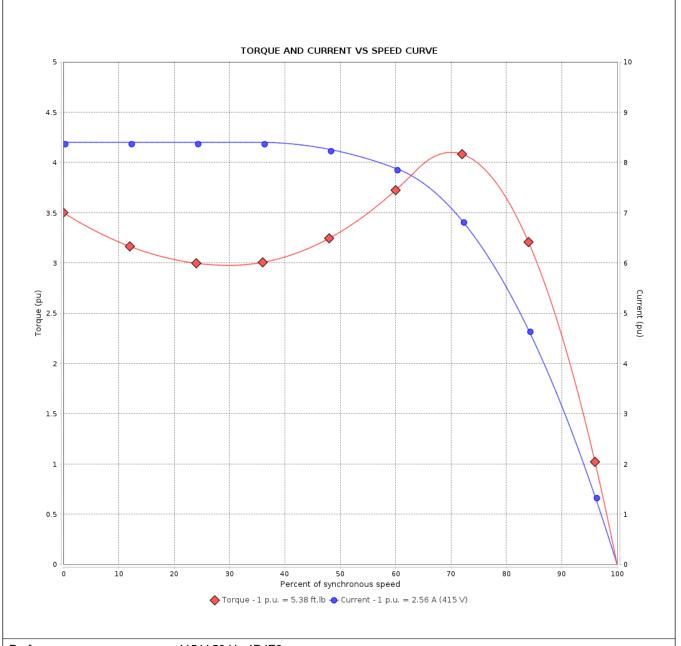
Customer :

Product line : W22 NEMA Premium Efficiency

Three-Phase

Product code: 11416577

Catalog #: 00218ET3E145T-W22



 Performance
 : 415 V 50 Hz 4P IE3

 Rated current
 : 2.56 A
 Moment of inertia (J)
 : 0.1561 sq.ft.lb

LRC : 8.4 Duty cycle : Cont.(S1) : F Rated torque : 5.38 ft.lb Insulation class Service factor Locked rotor torque : 350 % : 1.25 Breakdown torque : 409 % Temperature rise : 80 K Rated speed : 1465 rpm Design : B

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

Rev.		Changes Summary	Performed	Checked	Date
Performed by					
Checked by				Page	Revision
Date	20/09/2024			6/32	

Three Phase Induction Motor - Squirrel Cage



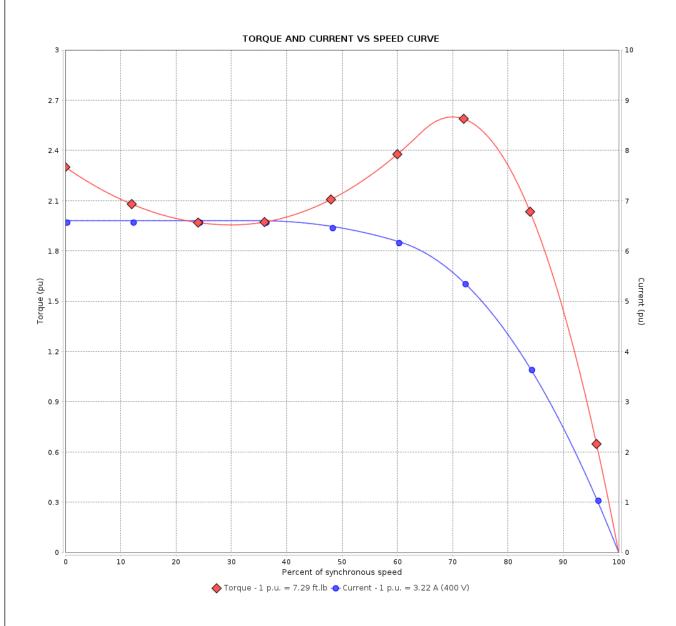
Customer

Product line : W22 NEMA Premium Efficiency

Three-Phase

Product code: 11416577

Catalog #: 00218ET3E145T-W22



Performance : 400 V 50 Hz 4P IE2 Rated current : 3.22 A Moment of inertia (J) : 0.1561 sq.ft.lb **LRC** : 6.6 Duty cycle : Cont.(S1) : 7.29 ft.lb Insulation class : F Rated torque : 1.25 Locked rotor torque : 229 % Service factor Breakdown torque : 260 % Temperature rise : 80 K Rated speed : B : 1440 rpm Design

Locked rotor time : 21s (cold) 12s (hot)

Rev.		Changes Summary	Performed	Checked	Date
Performed by					
Checked by				Page	Revision
Date	20/09/2024			7 / 32	

Three Phase Induction Motor - Squirrel Cage



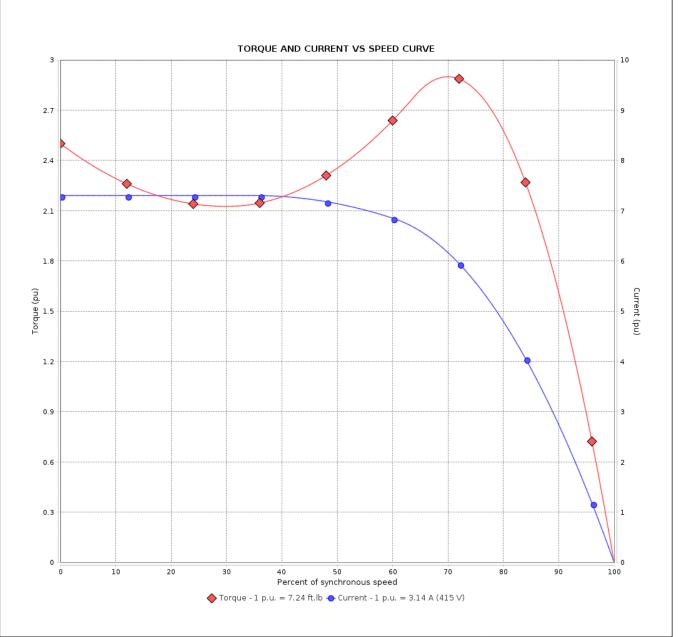
Customer :

Product line : W22 NEMA Premium Efficiency Pr

Three-Phase

Product code: 11416577

Catalog #: 00218ET3E145T-W22



Performance : 415 V 50 Hz 4P IE2 Rated current : 3.14 A Moment of inertia (J) : 0.1561 sq.ft.lb LRC : 7.3 Duty cycle : Cont.(S1) : F Insulation class Rated torque : 7.24 ft.lb : 250 % Service factor Locked rotor torque : 1.25 Breakdown torque : 290 % Temperature rise : 80 K Rated speed : 1450 rpm Design : B Locked rotor time : 21s (cold) 12s (hot)

		(
Rev.	Changes Summary		Performed	Checked	Date
Performed by					
Checked by				Page	Revision
Date	20/09/2024	1		8/32	

Three Phase Induction Motor - Squirrel Cage



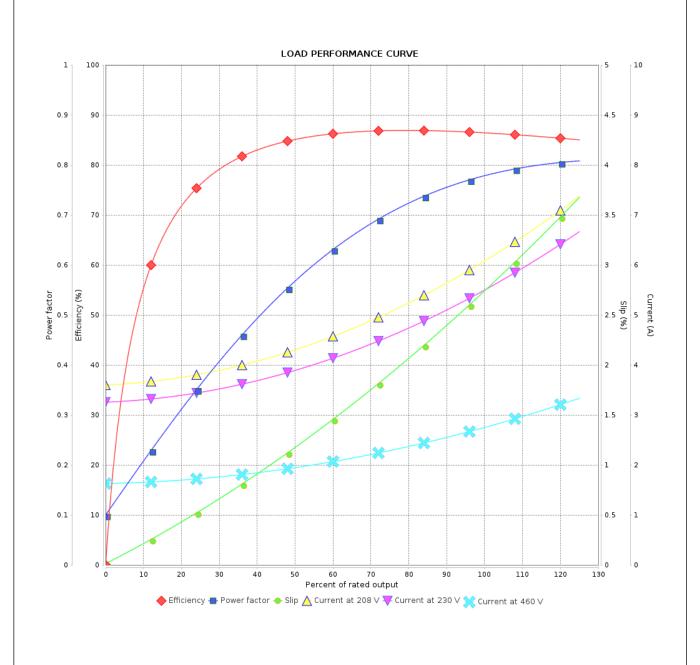
Customer :

Product line : W22 NEMA Premium Efficiency

Three-Phase

Product code: 11416577

Catalog #: 00218ET3E145T-W22



Performance	: 2	30/460 V 60 Hz 4P				
Rated current : 5.5		.58/2.79 A	Moment o	Moment of inertia (J)		.lb
LRC	: 8	.3	Duty cycle	;	: Cont.(S1)	
Rated torque	: 6	.00 ft.lb	Insulation	class	: F	
Locked rotor torqu	ie : 2	70 %	Service fa	ctor	: 1.25	
		20 %	Temperati	Temperature rise		
Rated speed		750 rpm	Design	Design		
Rev.		Changes Summary		Performed	Checked	Date
Douts was added		1				
Performed by						
Checked by					Page	Revision
Date	20/09/2024	1			9 / 32	

Three Phase Induction Motor - Squirrel Cage



Customer :

Checked by

Date

20/09/2024

Product line : W22 NEMA Premium Efficiency

Three-Phase

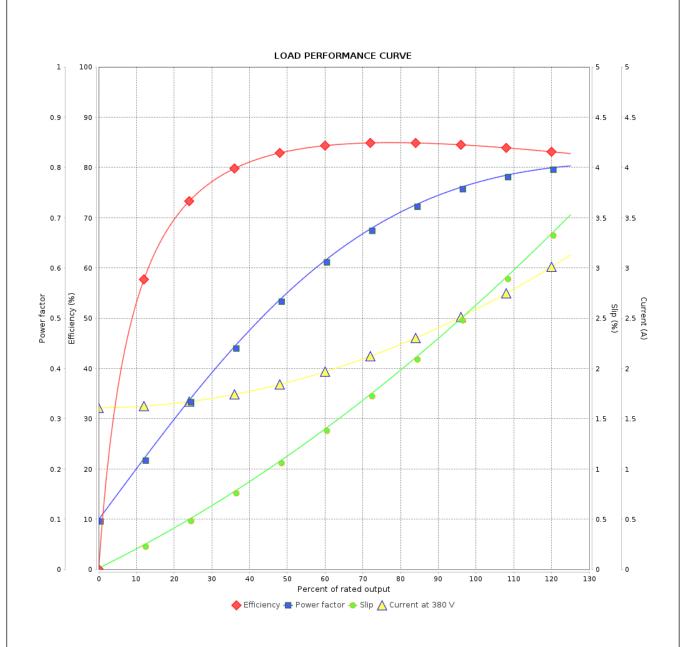
Product code: 11416577

Catalog #: 00218ET3E145T-W22

Page

10/32

Revision



Performance : 380 V 50 Hz 4P IE3 : 2.57 A Rated current Moment of inertia (J) : 0.1561 sq.ft.lb **LRC** Duty cycle : Cont.(S1) : 8.2 : 5.40 ft.lb Insulation class Rated torque : F Locked rotor torque : 290 % Service factor : 1.25 Breakdown torque : 330 % Temperature rise : 80 K Rated speed : 1460 rpm Design : B Rev. Performed Checked Date **Changes Summary** Performed by

Three Phase Induction Motor - Squirrel Cage



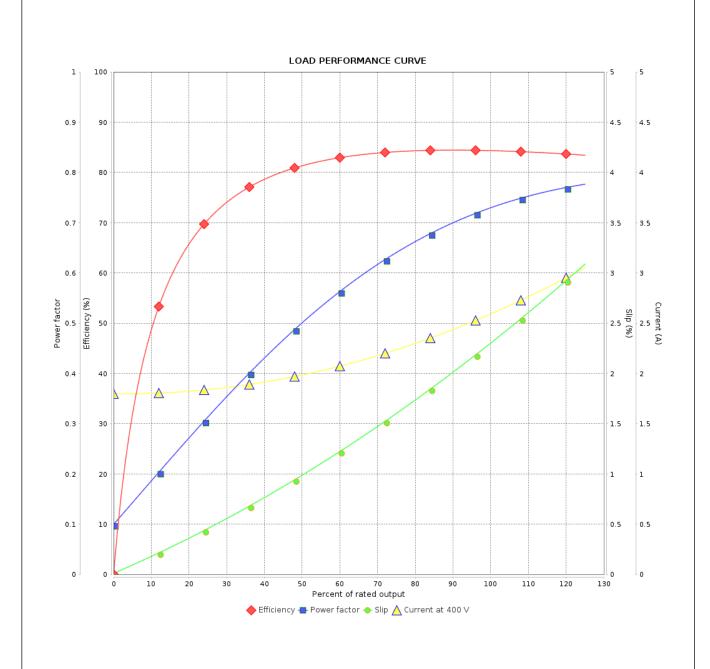
Customer

Product line : W22 NEMA Premium Efficiency

Three-Phase

Product code: 11416577

Catalog #: 00218ET3E145T-W22



Performance	erformance : 400 V 50 Hz 4P IE3					
Rated current		2.57 A	Moment of	Moment of inertia (J)		.lb
LRC : 8		3.7	Duty cycle	Duty cycle		
Rated torque :		5.38 ft.lb	Insulation	class	: F	
Locked rotor torque		320 %	Service fa	ctor	: 1.25	
Breakdown torqu	ue : 3	880 %	Temperature rise Design		: 80 K	
Rated speed	: 1	465 rpm			: B	
Rev.		Changes Summary	/	Performed	Checked	Date
Performed by						
Checked by					Page	Revision
Date	20/09/2024	7			11 / 32	

Three Phase Induction Motor - Squirrel Cage



Customer :

Checked by

Date

20/09/2024

Product line : W22 NEMA Premium Efficiency

Three-Phase

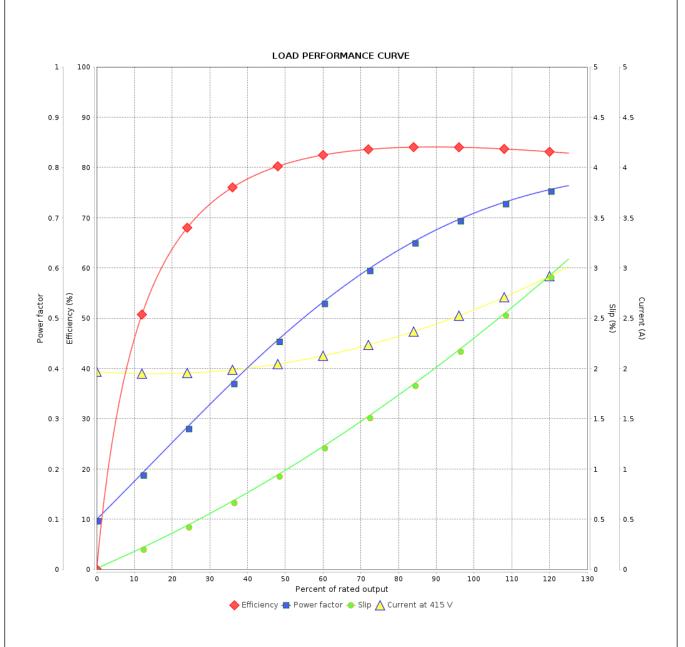
Product code: 11416577

Catalog #: 00218ET3E145T-W22

Page

12/32

Revision



Performance	: 415 V 50 Hz 4P IE3			
Rated current LRC Rated torque Locked rotor torque Breakdown torque Rated speed	: 2.56 A : 8.4 : 5.38 ft.lb : 350 % : 409 % : 1465 rpm	Moment of inertia (J) Duty cycle Insulation class Service factor Temperature rise Design	: 0.1561 sq.ft.lb : Cont.(S1) : F : 1.25 : 80 K : B	
Rev.	Changes Summary	Performed	Checked	Date
Performed by				
-			1	

Three Phase Induction Motor - Squirrel Cage



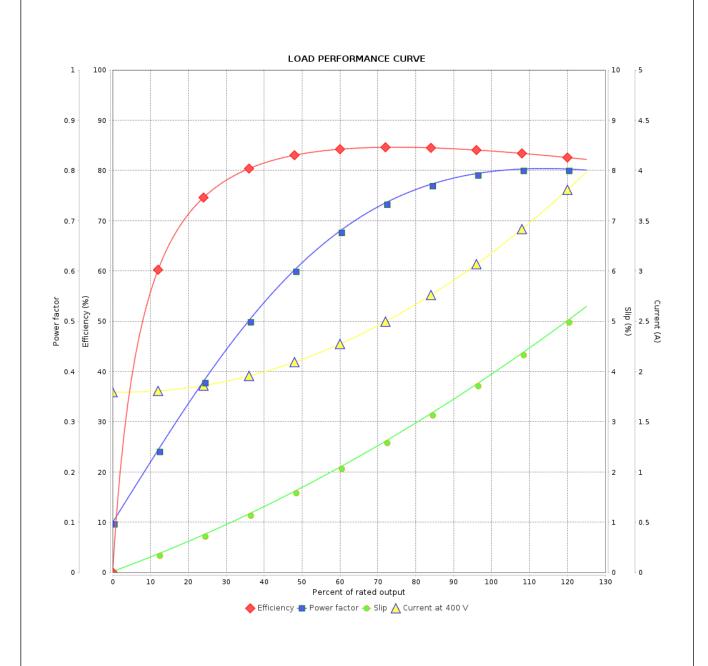
Customer

Product line : W22 NEMA Premium Efficiency

Three-Phase

Product code: 11416577

Catalog #: 00218ET3E145T-W22



Performance	: •	400 V 50 Hz 4P IE2				
Rated current		3.22 A	Moment of inertia (J)		: 0.1561 sq.ft	.lb
		6.6	Duty cycle	Duty cycle		
Rated torque :		7.29 ft.lb	Insulation	class	: F	
•		229 %	Service fa	ctor	: 1.25	
Breakdown torqu	ue :	260 %	Temperature rise		: 80 K	
Rated speed	:	1440 rpm	Design		: B	
Rev.		Changes Summa	ry	Performed	Checked	Date
Performed by						
Checked by					Page	Revision
Date	20/09/2024				13 / 32	

Three Phase Induction Motor - Squirrel Cage



Customer :

Checked by

Date

20/09/2024

Product line : W22 NEMA Premium Efficiency

Three-Phase

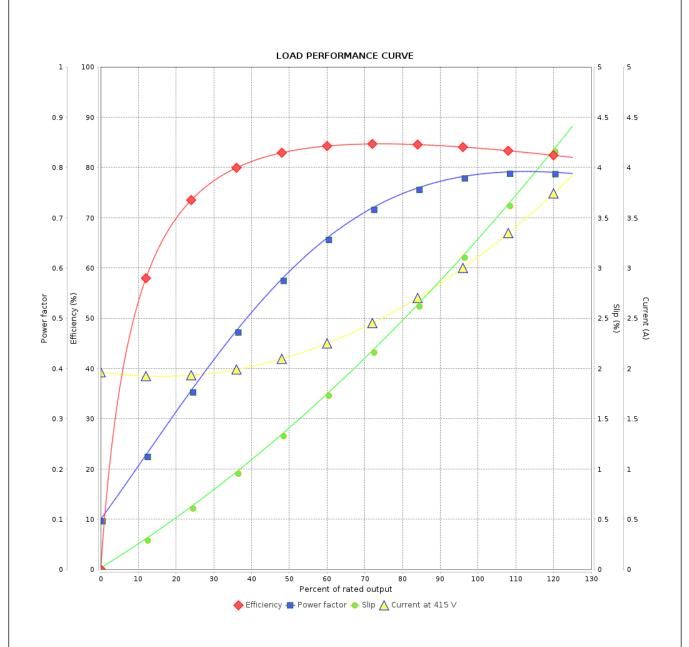
Product code: 11416577

Catalog #: 00218ET3E145T-W22

Page

14/32

Revision



Performance	: 4	15 V 50 Hz 4P IE2				
Rated current LRC Rated torque Locked rotor tord Breakdown torqu Rated speed	: 7 que : 2 ue : 2	.14 A .3 .24 ft.lb 50 % 90 % 450 rpm	Moment of Duty cycle Insulation Service fa Temperat Design	class ctor	: 0.1561 sq.ft.ll : Cont.(S1) : F : 1.25 : 80 K : B	b
Rev.		Changes Summary	1	Performed	Checked	Date
Performed by						

Three Phase Induction Motor - Squirrel Cage

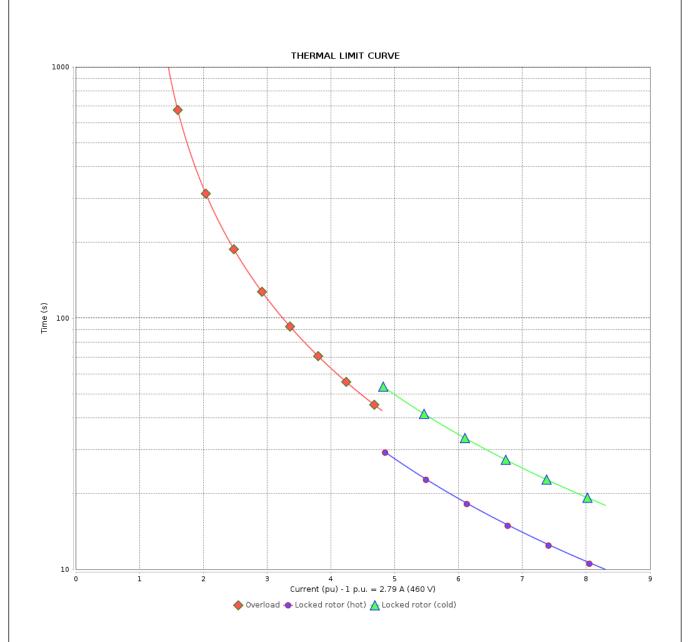


Product line		W22 NEMA Premium Efficiend	cy Product code	e: 1141657	7
	ı	hree-Phase	Catalog # :	00218E	Γ3E145T-W22
		00/400 \/ 00 H= 4D			
		30/460 V 60 Hz 4P	Moment of inertia (J)	: 0.1561 s	sa.ft.lb
ated current	: 5 : 8	.58/2.79 A N.3	Moment of inertia (J)	: 0.1561 s : Cont.(S1	eq.ft.lb
ated current RC ated torque	: 5 : 8 : 6	.58/2.79 A	Moment of inertia (J) Outy cycle Insulation class Service factor	: 0.1561 s : Cont.(S1 : F : 1.25	sq.ft.lb
ated current RC ated torque ocked rotor torque eakdown torqu	: 5 : 8 : 6 que : 2 ue : 3	.58/2.79 A3 C	Outy cycle nsulation class Service factor Semperature rise	: Cont.(S1 : F : 1.25 : 80 K	sq.ft.lb
ated current RC ated torque ocked rotor tord eakdown torquated speed	: 5 : 8 : 6 que : 2 ue : 3 : 1	.58/2.79 A3 C	Outy cycle Insulation class Service factor	: Cont.(S1 : F : 1.25	sq.ft.lb
ated current RC ated torque ocked rotor torque eakdown torquated speed eating constan	: 5 : 8 : 6 que : 2 ue : 3 : 1	.58/2.79 A3 C	Outy cycle nsulation class Service factor Semperature rise	: Cont.(S1 : F : 1.25 : 80 K	sq.ft.lb
ated current RC ated torque ocked rotor torq eakdown torquated speed eating constan	: 5 : 8 : 6 que : 2 ue : 3 : 1	.58/2.79 A3 C	Outy cycle nsulation class Service factor Semperature rise	: Cont.(S1 : F : 1.25 : 80 K : B	1)
ated current RC ated torque ocked rotor torg reakdown torquated speed eating constan poling constan Rev.	: 5 : 8 : 6 que : 2 ue : 3 : 1	.58/2.79 A	Outy cycle Insulation class Service factor Semperature rise Design	: Cont.(S1 : F : 1.25 : 80 K : B	eq.ft.lb
erformance ated current RC ated torque ocked rotor torque ated speed eating constan coling constan Rev. Performed by Checked by	: 5 : 8 : 6 que : 2 ue : 3 : 1	.58/2.79 A	Outy cycle Insulation class Service factor Semperature rise Design	: Cont.(S1 : F : 1.25 : 80 K : B	1)

Three Phase Induction Motor - Squirrel Cage



Customer



Rev.		Changes Summary	Performed	Checked	Date
Performed by					
Checked by				Page	Revision
Date	20/09/2024	_		16 / 32	

Three Phase Induction Motor - Squirrel Cage

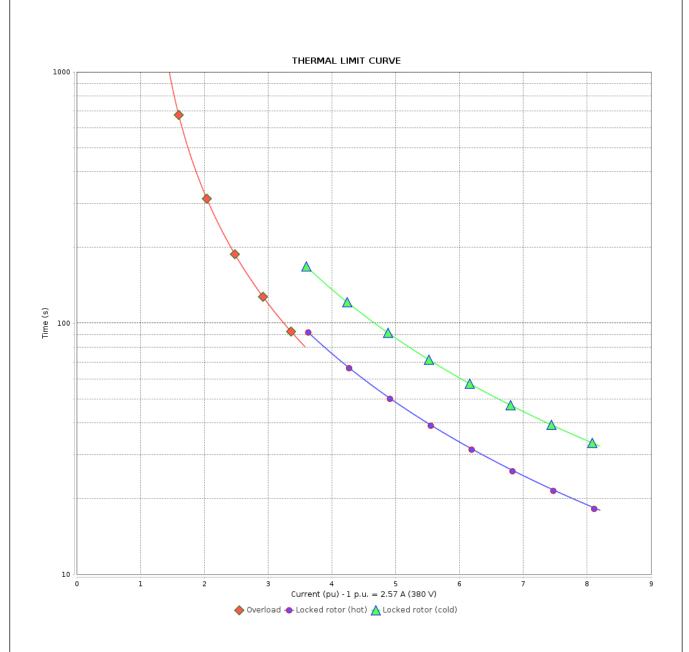


Customer	:					
Product line	· \/	/22 NEMA Premium Eff	iciency	Product code :	11416577	
r roudot iii.o	Thi	ree-Phase	iololioy			4.4.ET W/2.2
				Catalog # :	00218ET3E	1451-0022
Performance	: 380) V 50 Hz 4P IE3				
Rated current	: 2.5	7 A	Moment (of inertia (J)	: 0.1561 sq.ft.	lb
Performance Rated current	: 2.5 : 8.2	7 A	Duty cycl	е	: Cont.(S1)	lb
Rated current .RC Rated torque	: 2.5 : 8.2 : 5.4	7 A 0 ft.lb	Duty cycl Insulation	e n class	: Cont.(S1) : F	lb
Rated current RC Rated torque ocked rotor torque Breakdown torque	: 2.5 : 8.2 : 5.4 : 290 : 330	7 A 0 ft.lb) %) %	Duty cycl Insulation Service fa Temperat	e n class actor	: Cont.(S1) : F : 1.25 : 80 K	lb
Rated current .RC	: 2.5 : 8.2 : 5.4 : 290 : 330	7 A 0 ft.lb) %	Duty cycl Insulation Service fa	e n class actor	: Cont.(S1) : F : 1.25	lb
Rated current RC Rated torque ocked rotor torque Breakdown torque	: 2.5 : 8.2 : 5.4 : 290 : 330	7 A 0 ft.lb) %) %	Duty cycl Insulation Service fa Temperat	e n class actor	: Cont.(S1) : F : 1.25 : 80 K	lb
Rated current RC RC Rated torque cocked rotor torque Breakdown torque Rated speed Heating constant Cooling constant	: 2.5 : 8.2 : 5.4 : 290 : 330 : 146	7 A 0 ft.lb 0 % 0 % 60 rpm	Duty cycl Insulation Service fa Temperat	e n class actor ture rise	: Cont.(S1) : F : 1.25 : 80 K : B	
Rated current RC Rated torque cocked rotor torque Breakdown torque Rated speed Heating constant	: 2.5 : 8.2 : 5.4 : 290 : 330 : 146	7 A 0 ft.lb) %) %	Duty cycl Insulation Service fa Temperat	e n class actor	: Cont.(S1) : F : 1.25 : 80 K	lb Date
Rated current RC Lated torque cocked rotor torque creakdown torque lated speed leating constant Cooling constant Rev.	: 2.5 : 8.2 : 5.4 : 290 : 330 : 146	7 A 0 ft.lb 0 % 0 % 60 rpm	Duty cycl Insulation Service fa Temperat	e n class actor ture rise	: Cont.(S1) : F : 1.25 : 80 K : B	
Rated current RC Rated torque cocked rotor torque breakdown torque Rated speed Reating constant Cooling constant	: 2.5 : 8.2 : 5.4 : 290 : 330 : 146	7 A 0 ft.lb 0 % 0 % 60 rpm	Duty cycl Insulation Service fa Temperat	e n class actor ture rise	: Cont.(S1) : F : 1.25 : 80 K : B	

Three Phase Induction Motor - Squirrel Cage



Customer



Rev.		Changes Summary	Performed	Checked	Date
Performed by					
Checked by				Page	Revision
Date	20/09/2024			18 / 32	

Three Phase Induction Motor - Squirrel Cage

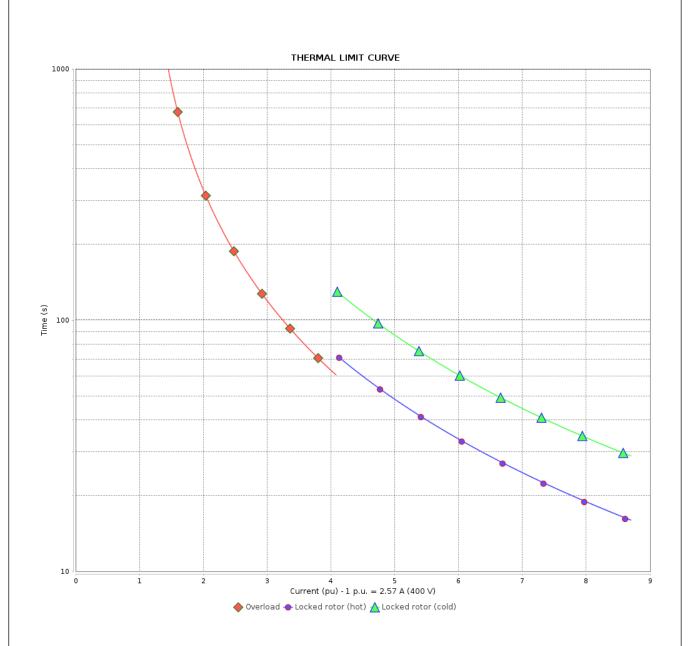


Customer	:					
	·					
Product line	:' T	W22 NEMA Premium Efficiend hree-Phase	cy Product	code :	11416577	
		ilee-i ilase	Catalog :	#:	00218ET3E1	145T-W22
Performance	· 41	0 V 50 Hz 4P IE3				
Performance Rated current LRC Rated torque Locked rotor torons Breakdown torons Rated speed	: 2 : 8 : 5 que : 3 ue : 3	7 C 38 ft.lb Ir 20 % S 30 % T	Moment of inertia (Outy cycle nsulation class Service factor Semperature rise Design	(J)	: 0.1561 sq.ft.l : Cont.(S1) : F : 1.25 : 80 K : B	lb
Rated current .RC Rated torque .ocked rotor tor Breakdown torq Rated speed	: 2 : 8 : 5 que : 3 : 3 : 1	57 A	Outy cycle Insulation class Service factor Semperature rise	(J)	: Cont.(S1) : F : 1.25 : 80 K	lb
Rated current .RC Rated torque .ocked rotor tord Breakdown tord Rated speed	: 2 : 8 : 5 que : 3 : 3 : 1	57 A	Outy cycle Insulation class Service factor Temperature rise Design	(J)	: Cont.(S1) : F : 1.25 : 80 K	lb Date
Rated current RC Rated torque ocked rotor tor- breakdown torquated speed Reating constant Cooling constant Rev.	: 2 : 8 : 5 que : 3 : 3 : 1	57 A	Outy cycle Insulation class Service factor Temperature rise Design		: Cont.(S1) : F : 1.25 : 80 K : B	
Rated current RC Rated torque ocked rotor tord breakdown tord Rated speed Heating constant Cooling constant	: 2 : 8 : 5 que : 3 : 3 : 1	57 A	Outy cycle Insulation class Service factor Temperature rise Design		: Cont.(S1) : F : 1.25 : 80 K : B	

Three Phase Induction Motor - Squirrel Cage



Customer :



Rev.		Changes Summary	Performed	Checked	Date
Performed by					
Checked by		-		Page	Revision
Date	20/09/2024			20 / 32	

Three Phase Induction Motor - Squirrel Cage

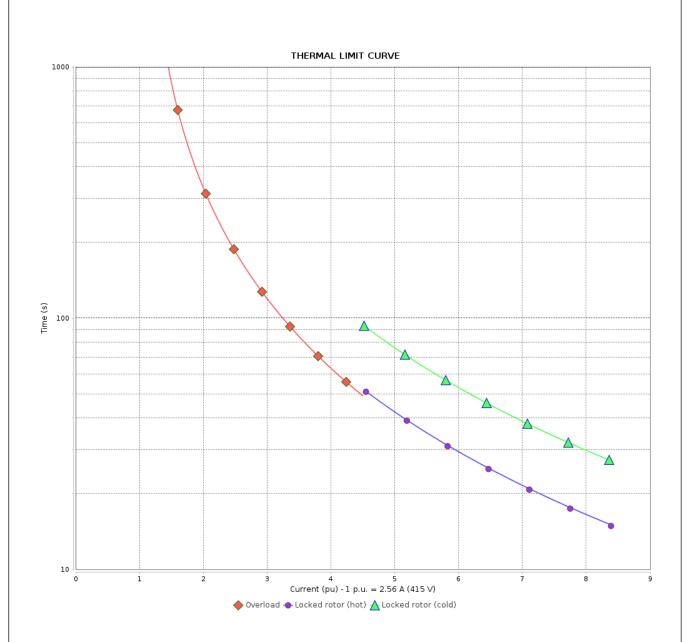


	:					
Product line	.,	W22 NEMA Premium Effic	iencv	Product code :	11416577	
T TOGGOT IIITO	T	hree-Phase				4.4ET M/00
				Catalog # :	00218ET3E	1451-0022
		15 V 50 Hz 4P IE3	Mana		.0.4504	II.
Performance Rated current	: 2	.56 A	Moment o	of inertia (J)	: 0.1561 sq.ft	.lb
	: 2 : 8	.56 A	Moment of Duty cycle Insulation	e	: 0.1561 sq.ft. : Cont.(S1) : F	.lb
Rated current RC Rated torque ocked rotor tord	: 2 : 8 : 5 que : 3	.56 A .4 .38 ft.lb 50 %	Duty cycle Insulation Service fa	e ı class actor	: Cont.(S1) : F : 1.25	.lb
Rated current .RC Rated torque .ocked rotor tord Breakdown torqu	: 2 : 8 : 5 que : 3 ue : 4	.56 A .4 .38 ft.lb 50 % 09 %	Duty cycle Insulation Service fa Temperat	e ı class actor	: Cont.(S1) : F : 1.25 : 80 K	.lb
Rated current RC Rated torque ocked rotor tord Breakdown torqu Rated speed	: 2 : 8 : 5 que : 3 ue : 4 : 1	.56 A .4 .38 ft.lb 50 %	Duty cycle Insulation Service fa	e ı class actor	: Cont.(S1) : F : 1.25	.lb
Rated current RC Rated torque ocked rotor tord Breakdown torqu Rated speed	: 2 : 8 : 5 que : 3 : 4 : 1	.56 A .4 .38 ft.lb 50 % 09 %	Duty cycle Insulation Service fa Temperat	e ı class actor	: Cont.(S1) : F : 1.25 : 80 K	.lb
Rated current RC Rated torque ocked rotor torq breakdown torque Rated speed Heating constan Cooling constan	: 2 : 8 : 5 que : 3 : 4 : 1	56 A .4 .38 ft.lb 50 % 09 % 465 rpm	Duty cycle Insulation Service fa Temperat	e n class actor ure rise	: Cont.(S1) : F : 1.25 : 80 K : B	
Rated current RC Rated torque ocked rotor tord Freakdown torquated speed	: 2 : 8 : 5 que : 3 : 4 : 1	.56 A .4 .38 ft.lb 50 % 09 %	Duty cycle Insulation Service fa Temperat	e ı class actor	: Cont.(S1) : F : 1.25 : 80 K	.lb
Rated current RC Lated torque ocked rotor torque reakdown torquated speed leating constant cooling constant Rev.	: 2 : 8 : 5 que : 3 : 4 : 1	56 A .4 .38 ft.lb 50 % 09 % 465 rpm	Duty cycle Insulation Service fa Temperat	e n class actor ure rise	: Cont.(S1) : F : 1.25 : 80 K : B	
Rated current RC Rated torque ocked rotor torq breakdown torque Rated speed Heating constan Cooling constan	: 2 : 8 : 5 que : 3 : 4 : 1	56 A .4 .38 ft.lb 50 % 09 % 465 rpm	Duty cycle Insulation Service fa Temperat	e n class actor ure rise	: Cont.(S1) : F : 1.25 : 80 K : B	

Three Phase Induction Motor - Squirrel Cage



Customer



Rev.		Changes Summary	Performed	Checked	Date
Performed by					
Checked by				Page	Revision
Date	20/09/2024			22 / 32	

Three Phase Induction Motor - Squirrel Cage

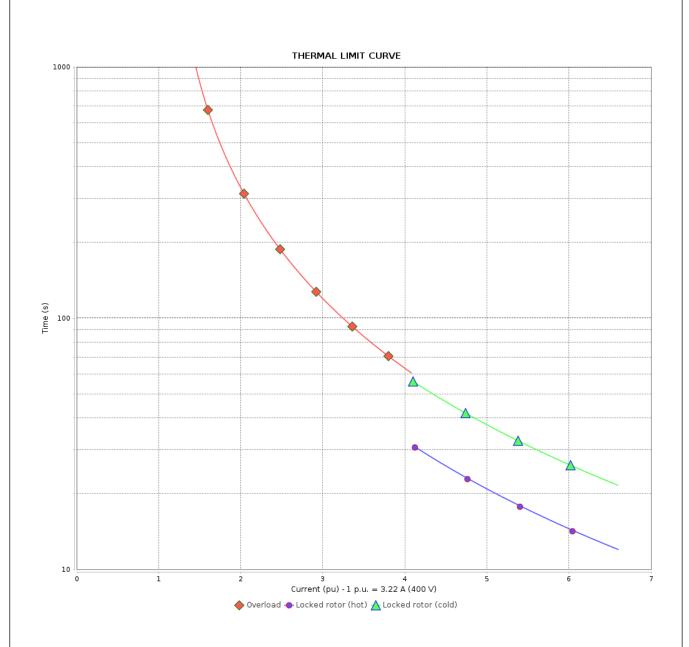


Customer	:					
Product line	: W22 NEMA Premium Efficiency Three-Phase			Product code :	11416577	
	·	THOS T HASS		Catalog # :	00218ET3E145T-W22	
Performance	: 4	00 V 50 Hz 4P IE2				
Rated current		.22 A	Moment of	of inertia (J)	: 0.1561 sq.ft.	lb
LRC		.6	Duty cycle	е	: Cont.(S1)	
Rated torque ₋ocked rotor tord		7.29 ft.lb 129 %	Insulation Service fa		: F : 1.25	
Breakdown torqu		60 %	Temperat		: 80 K	
Rated speed		440 rpm	Design		: B	
leating constan	t					
Cooling constant						
Rev.		Changes Summary		Performed	Checked	Date
Performed by						
Checked by					Page	Revision
Date	20/09/2024				23 / 32	

Three Phase Induction Motor - Squirrel Cage



Customer



Rev.		Changes Summary		Checked	Date
Performed by					
Checked by				Page	Revision
Date	20/09/2024			24 / 32	

Three Phase Induction Motor - Squirrel Cage

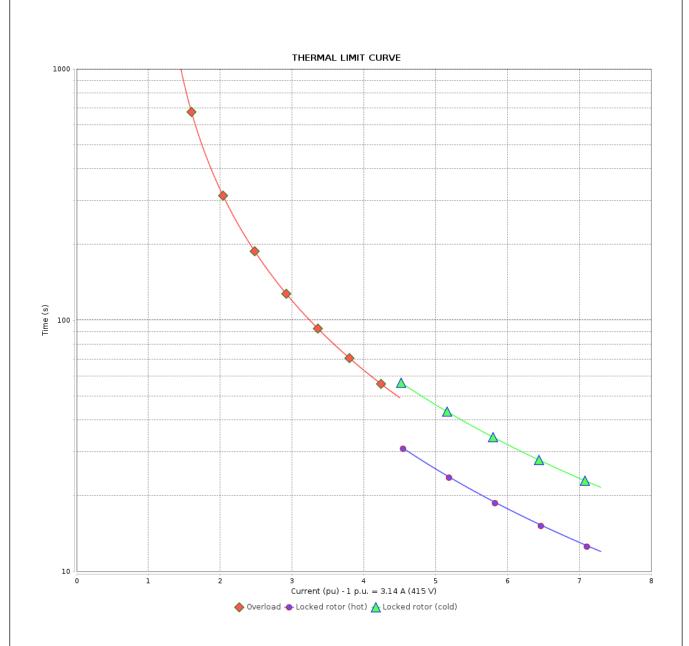


Performance : 415 V 50 Hz 4P IE Rated current : 3.14 A LRC : 7.3 Rated torque : 7.24 ft.lb Locked rotor torque : 250 % Breakdown torque : 290 % Rated speed : 1450 rpm		Catalog #:	00218ET3E1	145T-W22
Rated current : 3.14 A IRC : 7.3 Rated torque : 7.24 ft.lb ocked rotor torque : 250 % Breakdown torque : 290 % Rated speed : 1450 rpm				
ated current : 3.14 A RC : 7.3 ated torque : 7.24 ft.lb ocked rotor torque : 250 % reakdown torque : 290 % ated speed : 1450 rpm				
ated current : 3.14 A RC : 7.3 ated torque : 7.24 ft.lb beked rotor torque : 250 % reakdown torque : 290 % ated speed : 1450 rpm				
ated current : 3.14 A RC : 7.3 ated torque : 7.24 ft.lb beked rotor torque : 250 % reakdown torque : 290 % ated speed : 1450 rpm				
ated current : 3.14 A RC : 7.3 ated torque : 7.24 ft.lb cked rotor torque : 250 % eakdown torque : 290 % ated speed : 1450 rpm				
ated current : 3.14 A RC : 7.3 ated torque : 7.24 ft.lb cked rotor torque : 250 % eakdown torque : 290 % ated speed : 1450 rpm				
ted current : 3.14 A CC : 7.3 Ited torque : 7.24 ft.lb cked rotor torque : 250 % eakdown torque : 290 % Ited speed : 1450 rpm				
ted current : 3.14 A CC : 7.3 Ited torque : 7.24 ft.lb cked rotor torque : 250 % eakdown torque : 290 % Ited speed : 1450 rpm				
ated current : 3.14 A RC : 7.3 ated torque : 7.24 ft.lb cked rotor torque : 250 % eakdown torque : 290 % ated speed : 1450 rpm				
ted current : 3.14 A C : 7.3 ted torque : 7.24 ft.lb cked rotor torque : 250 % eakdown torque : 290 % ted speed : 1450 rpm				
ted current : 3.14 A C : 7.3 Ited torque : 7.24 ft.lb cked rotor torque : 250 % eakdown torque : 290 % Ited speed : 1450 rpm				
ted current : 3.14 A C : 7.3 ted torque : 7.24 ft.lb cked rotor torque : 250 % eakdown torque : 290 % ted speed : 1450 rpm				
ted current : 3.14 A C : 7.3 ted torque : 7.24 ft.lb cked rotor torque : 250 % eakdown torque : 290 % ted speed : 1450 rpm				
ted current : 3.14 A C : 7.3 ted torque : 7.24 ft.lb cked rotor torque : 250 % eakdown torque : 290 % ted speed : 1450 rpm				
ted current : 3.14 A C : 7.3 ted torque : 7.24 ft.lb cked rotor torque : 250 % eakdown torque : 290 % ted speed : 1450 rpm				
ted current : 3.14 A C : 7.3 ted torque : 7.24 ft.lb cked rotor torque : 250 % eakdown torque : 290 % ted speed : 1450 rpm				
ted current : 3.14 A C : 7.3 ted torque : 7.24 ft.lb cked rotor torque : 250 % eakdown torque : 290 % ted speed : 1450 rpm				
ted current : 3.14 A C : 7.3 Ited torque : 7.24 ft.lb cked rotor torque : 250 % eakdown torque : 290 % Ited speed : 1450 rpm				
ated current : 3.14 A RC : 7.3 ated torque : 7.24 ft.lb cked rotor torque : 250 % eakdown torque : 290 % ated speed : 1450 rpm				
ated current : 3.14 A RC : 7.3 ated torque : 7.24 ft.lb beked rotor torque : 250 % reakdown torque : 290 % ated speed : 1450 rpm				
ated current : 3.14 A RC : 7.3 ated torque : 7.24 ft.lb beked rotor torque : 250 % reakdown torque : 290 % ated speed : 1450 rpm				
ated current : 3.14 A RC : 7.3 ated torque : 7.24 ft.lb cked rotor torque : 250 % eakdown torque : 290 % ated speed : 1450 rpm				
ated current : 3.14 A RC : 7.3 ated torque : 7.24 ft.lb cked rotor torque : 250 % eakdown torque : 290 % ated speed : 1450 rpm				
ated current : 3.14 A RC : 7.3 ated torque : 7.24 ft.lb cked rotor torque : 250 % eakdown torque : 290 % ated speed : 1450 rpm				
ated current : 3.14 A RC : 7.3 ated torque : 7.24 ft.lb cked rotor torque : 250 % eakdown torque : 290 % ated speed : 1450 rpm				
ated current : 3.14 A RC : 7.3 ated torque : 7.24 ft.lb cked rotor torque : 250 % eakdown torque : 290 % ated speed : 1450 rpm				
ted current : 3.14 A C : 7.3 Ited torque : 7.24 ft.lb cked rotor torque : 250 % eakdown torque : 290 % Ited speed : 1450 rpm				
tted torque : 7.3 cked rotor torque : 250 % eakdown torque : 290 % tted speed : 1450 rpm		nt of inertia (J)	: 0.1561 sq.ft.l	lh.
cked rotor torque : 250 % eakdown torque : 290 % ated speed : 1450 rpm	Duty cyc	rcle	: Cont.(S1)	Ю
eakdown torque : 290 % ated speed : 1450 rpm	Insulation Service	on class factor	: F : 1.25	
	Tempera	rature rise	: 80 K	
	Design		: B	
eating constant poling constant				
Rev. Changes Summ	1	Performed	Checked	Date
	ary	1		
erformed by	ary			
Date 20/09/2024	ary		Page	Revisio

Three Phase Induction Motor - Squirrel Cage



Customer



Rev.	Changes Summary		Performed	Checked	Date
Performed by					
Checked by				Page	Revision
Date	20/09/2024			26 / 32	

Three Phase Induction Motor - Squirrel Cage



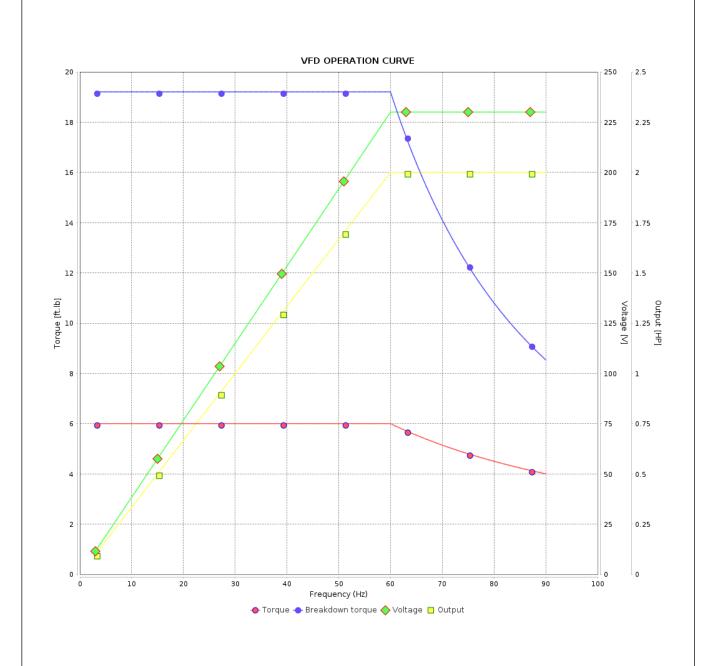
Customer :

Product line : W22 NEMA Premium Efficiency

Three-Phase

Product code: 11416577

Catalog #: 00218ET3E145T-W22



Performance	: 23	: 230/460 V 60 Hz 4P				
Rated current		5.58/2.79 A Moment of inertia (J)		: 0.1561 sq.ft.lb		
LRC	: 8.	.3	Duty cycle	e	: Cont.(S1) : F	
Rated torque	: 6.	.00 ft.lb	Insulation	class		
Locked rotor torqu	ie : 2	70 %	Service fa	Service factor		
Breakdown torque	: 32	20 %	Temperature rise		: 80 K	
Rated speed	: 17	: 1750 rpm Design			: B	
Rev.		Changes Summary		Performed	Checked	Date
Performed by						
Checked by					Page	Revision
Date	20/09/2024	1			27 / 32	

Three Phase Induction Motor - Squirrel Cage



Customer :

Checked by

Date

20/09/2024

Product line : W22 NEMA Premium Efficiency

Three-Phase

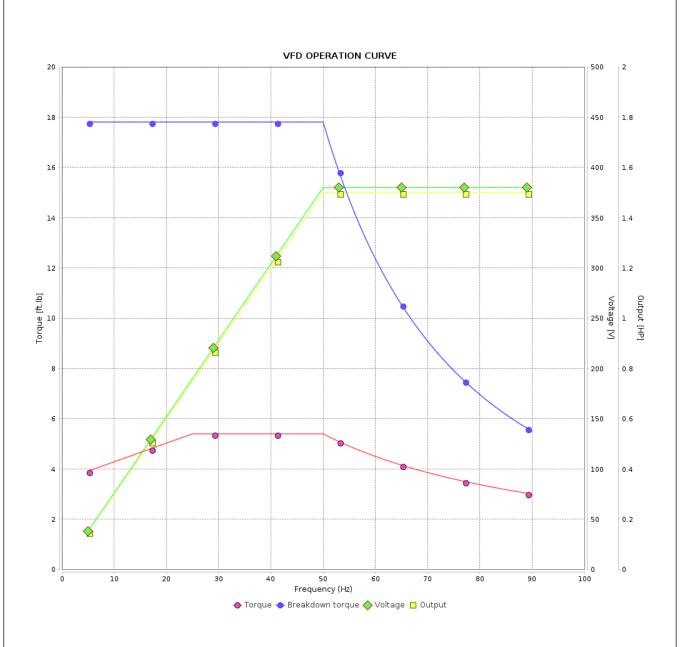
Product code: 11416577

Catalog #: 00218ET3E145T-W22

Page

28 / 32

Revision



Performance					
Rated current LRC Rated torque Locked rotor torque Breakdown torque Rated speed	: 2.57 A Moment of : 8.2 Duty cycle : 5.40 ft.lb Insulation of : 290 % Service fact : 330 % Temperatu : 1460 rpm Design		n class : F factor : 1.25		
Rev.	Changes Summary		Performed	Checked	Date
Performed by					

Three Phase Induction Motor - Squirrel Cage



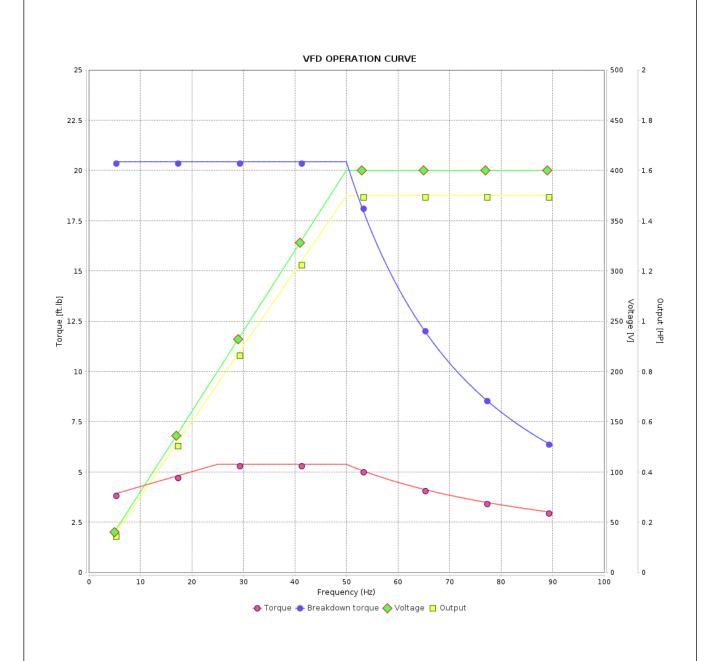
Customer :

Product line : W22 NEMA Premium Efficiency

Three-Phase

Product code: 11416577

Catalog #: 00218ET3E145T-W22



Performance	: 4	: 400 V 50 Hz 4P IE3				
Rated current : 2		57 A Moment of inertia (J)		: 0.1561 sq.ft.lb		
LRC	: 8	3.7	Duty cycle)	: Cont.(S1)	
Rated torque	: 5	5.38 ft.lb	Insulation	Insulation class		
Locked rotor tord	que : 3	320 %	Service fa	ctor	: 1.25	
Breakdown torqu		880 %	Temperati	Temperature rise		
Rated speed	: 1	165 rpm Design		: B		
Rev.		Changes Summary	1	Performed	Checked	Date
Performed by						
Checked by					Page	Revision
Date	20/09/2024				29 / 32	

Three Phase Induction Motor - Squirrel Cage



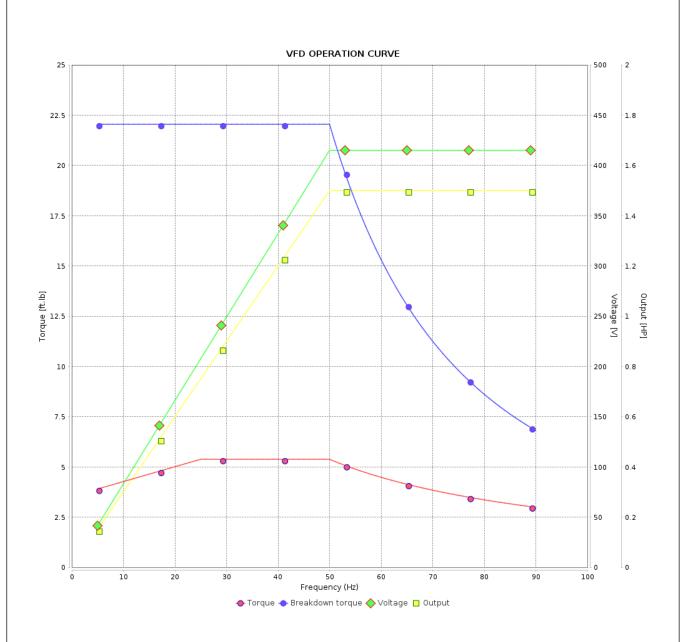
Customer :

Product line : W22 NEMA Premium Efficiency

Three-Phase

Product code: 11416577

Catalog #: 00218ET3E145T-W22



Performance	: 415 V 50 Hz 4P IE3						
Rated current	: 2.56 A	: 2.56 A Moment of inertia (J)		: 0.1561 sq.ft.lb			
LRC	: 8.4	Duty cycle		: Cont.(S1)			
Rated torque	: 5.38 ft.lb Insulation class		: F				
Locked rotor torque	: 350 %	Service factor		: 1.25			
Breakdown torque	: 409 %	Temperature rise Design		: 80 K : B			
Rated speed	: 1465 rpm						
Rev.	Changes Summary P		Performed	Checked	Date		
Performed by							
Checked by				Page	Revision		

30 / 32

20/09/2024

Date

Three Phase Induction Motor - Squirrel Cage



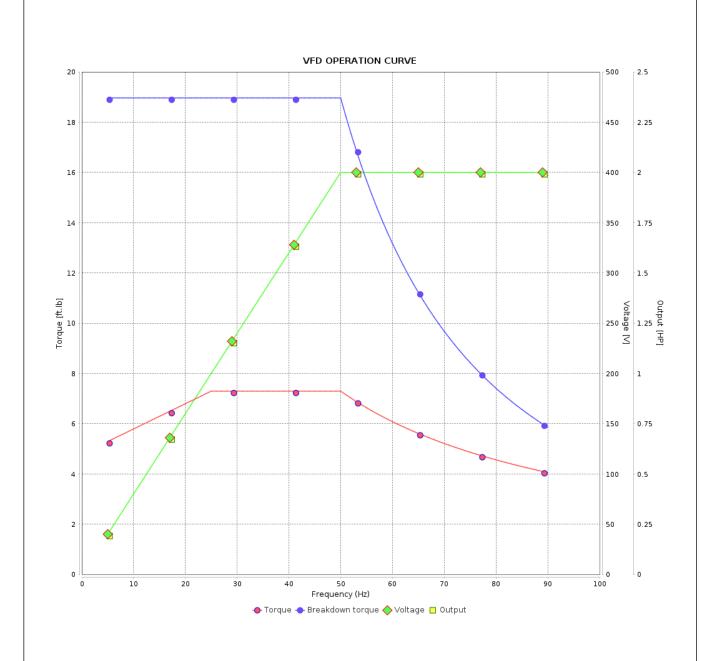
Customer :

Product line : W22 NEMA Premium Efficiency

Three-Phase

Product code: 11416577

Catalog #: 00218ET3E145T-W22



Performance		: 400 V 50 Hz 4P IE2				
Rated current : 3.22 A		: 3.22 A	Moment o	Moment of inertia (J)		.lb
LRC	: 6.6		Duty cycle	·	: Cont.(S1)	
Rated torque		: 7.29 ft.lb	Insulation	Insulation class		
Locked rotor torqu	ue	: 229 %	Service fa	ctor	: 1.25	
Breakdown torque		: 260 %	Temperati	Temperature rise		
Rated speed :		: 1440 rpm	Design	Design		
Rev.		Changes Summar	у	Performed	Checked	Date
Performed by						
Checked by					Page	Revision
Date	20/09/2024				31 / 32	

Three Phase Induction Motor - Squirrel Cage



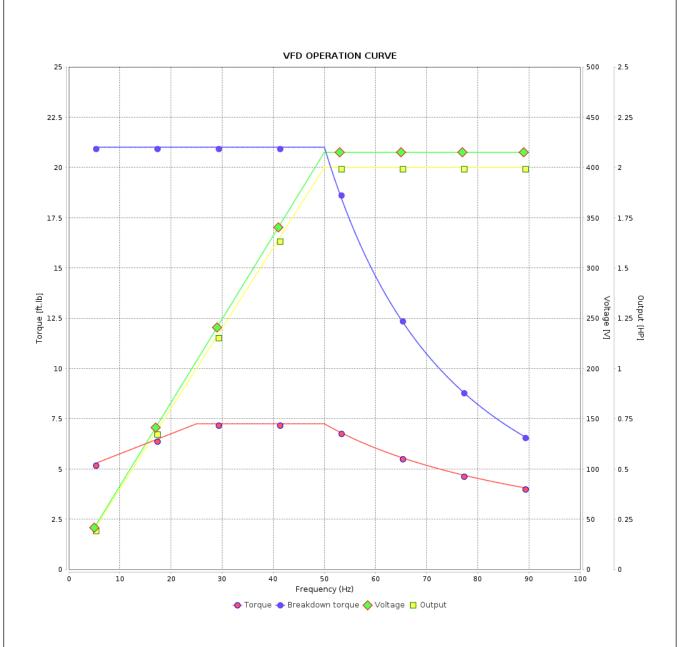
Customer :

Product line : W22 NEMA Premium Efficiency

Three-Phase

Product code: 11416577

Catalog #: 00218ET3E145T-W22



Performance	: 415 V 50 Hz 4P IE2							
Rated current LRC Rated torque Locked rotor torque Breakdown torque Rated speed	: 3.14 A : 7.3 : 7.24 ft.lb : 250 % : 290 % : 1450 rpm	Moment of inertia (J) Duty cycle Insulation class Service factor Temperature rise Design		: 0.1561 sq.ft.lb : Cont.(S1) : F : 1.25 : 80 K : B				
Rev.	Changes Summary		Performed	Checked	Date			
Performed by				_				
Checked by				Page	Revision			

32 / 32

20/09/2024

Date

