### **DATA SHEET**

#### Three Phase Induction Motor - Squirrel Cage



Customer

Product line : NEMA Premium Efficiency Three-Product code: 12553985

Catalog #: 00112ET3E145JM-W22

Frame : 143/5JM Cooling method : IC411 - TEFC

Insulation class Mounting : F-1

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

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

: 1000 m.a.s.l. Altitude Approx. weight<sup>3</sup> : 58.1 lb

Protection degre	е	: IP55		Momer	nt of inertia (J)	) : C	).1595 sq.ft.lb	
Design		: B						
Output [HP]		1	0.75	0.75	0.75	1	1	1
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]		3.46/1.73	1.60	1.62	1.66	1.96	1.94	1.95
L. R. Amperes [A]		21.5/10.7	9.28	9.88	10.5	9.41	10.1	10.7
LRC [A]		6.2x(Code K)	5.8x(Code K)	6.1x(Code L)	6.3x(Code	4.8x(Code	5.2x(Code H)	5.5x(Code J)
					M)	G)		
No load current [A	]	2.39/1.20	1.18	1.28	1.36	1.18	1.28	1.36
Rated speed [RPN	<b>/</b> 1]	1160	960	970	970	940	950	950
Slip [%]		3.33	4.00	3.00	3.00	6.00	5.00	5.00
Rated torque [ft.lb]		4.53	4.10	4.06	4.06	5.59	5.53	5.53
Locked rotor torqu	e [%]	260	280	300	320	200	229	250
Breakdown torque	[%]	300	310	330	340	220	260	280
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	80 K	80 K	80 K
Locked rotor time		50s (cold)	36s (cold)	36s (cold)	36s (cold)	36s (cold)	36s (cold)	36s (cold)
		28s (hot)	20s (hot)	20s (hot)	20s (hot)	20s (hot)	20s (hot)	20s (hot)
Noise level <sup>2</sup>		50.0 dB(A)	45.0 dB(A)	45.0 dB(A)	45.0 dB(A)	45.0 dB(A)	45.0 dB(A)	45.0 dB(A)
	25%	76.0	73.6	71.6	68.6	77.6	76.1	73.4
Efficiency (%)	50%	77.0	74.8	73.2	70.7	77.0	75.5	74.0
Lincicity (70)	75%	82.0	78.4	77.5	75.8	80.0	80.0	78.5
	100%	82.5	79.3	78.9	77.9	78.5	78.5	78.5
	25%	0.25	0.24	0.22	0.21	0.30	0.27	0.25
Power Factor	50%	0.45	0.44	0.41	0.38	0.53	0.49	0.46
I OWEL FACIOI	75%	0.57	0.57	0.53	0.50	0.66	0.62	0.59
	100%	0.66	0.66	0.62	0.59	0.74	0.71	0.68

Drive end Non drive end Foundation loads

Bearing type 6206 ZZ 6204 ZZ Max. traction : 106 lb Sealing V'Ring V'Ring : 164 lb Max. compression

Lubricant amount Lubricant type Mobil Polyrex EM

Notes

Lubrication interval

USABLE @208V 3.82A SF 1.15 SFA 4.39A

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	11/04/2022			1 / 36	

#### Three Phase Induction Motor - Squirrel Cage



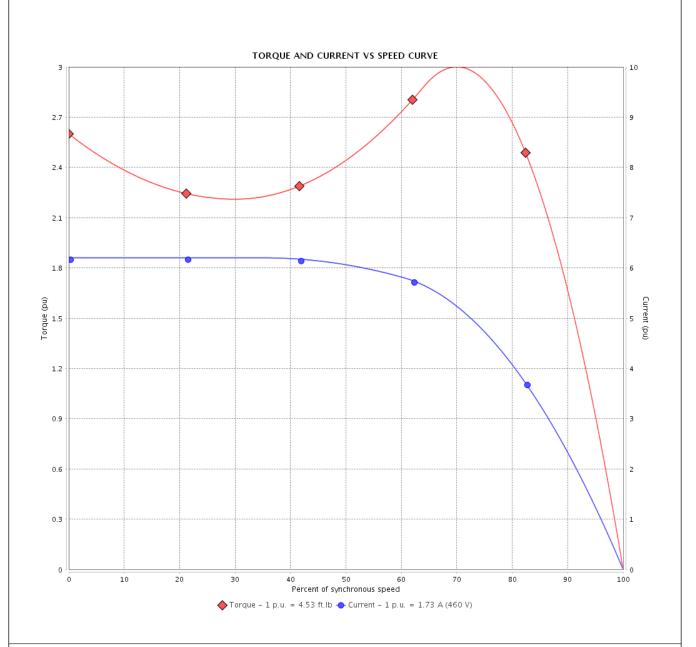
Customer :

Product line : NEMA Premium Efficiency Three- Product code :

Phase

Catalog #: 00112ET3E145JM-W22

12553985



 Performance
 : 230/460 V 60 Hz 6P

 Rated current
 : 3.46/1.73 A
 Moment of inertia (J)
 : 0.1595 sq.ft.lb

 LRC
 : 6.2
 Duty cycle
 : Cont.(S1)

 Rated torque
 : 4.53 ft.lb
 Insulation class
 : F

Locked rotor torque: 260 %Service factor: 1.25Breakdown torque: 300 %Temperature rise: 80 KRated speed: 1160 rpmDesign: B

Locked rotor time : 50s (cold) 28s (hot)

Rev.		Changes Summary	Performed	Checked	Date
Performed by					
Checked by				Page	Revision
Date	11/04/2022			2/36	



Revision

Page

3/36

Three Phase Induction Motor - Squirrel Cage Customer Product line : NEMA Premium Efficiency Three-Product code: 12553985 Catalog #: 00112ET3E145JM-W22 TORQUE AND CURRENT VS SPEED CURVE 4.5 3.5 Torque (pu) Current 0.5 Percent of synchronous speed ◆ Torque - 1 p.u. = 4.10 ft.lb ◆ Current - 1 p.u. = 1.60 A (380 V) Performance : 380 V 50 Hz 6P IE3 Rated current : 1.60 A Moment of inertia (J) : 0.1595 sq.ft.lb **LRC** : 5.8 Duty cycle : Cont.(S1) Insulation class : F Rated torque : 4.10 ft.lb : 280 % Locked rotor torque Service factor : 1.00 Breakdown torque : 310 % Temperature rise : 80 K Rated speed : 960 rpm Design : B Locked rotor time : 36s (cold) 20s (hot) Rev. Performed Checked Date **Changes Summary** 

Performed by Checked by

Date

11/04/2022

### Three Phase Induction Motor - Squirrel Cage



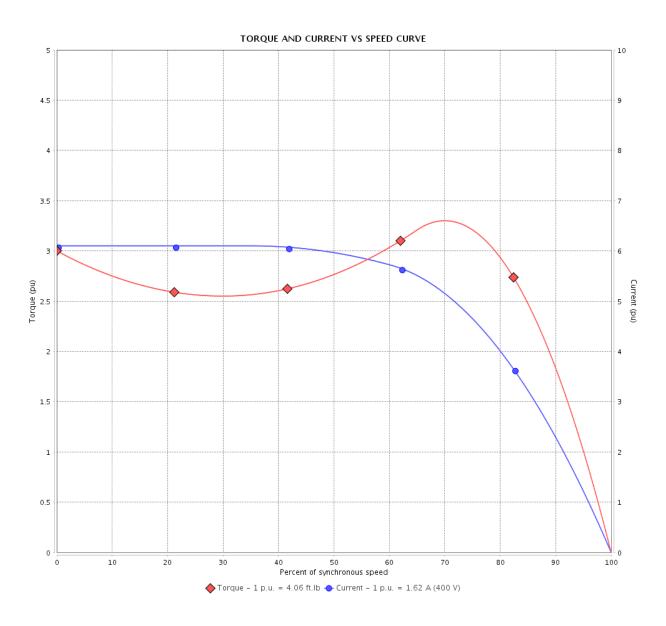
Customer :

Product line : NEMA Premium Efficiency Three- Product code :

Phase

Product code: 12553985

Catalog #: 00112ET3E145JM-W22



Performance	: 400 V 50 Hz 6P IE3			
Rated current	: 1.62 A	Moment of inertia (J)	: 0.1595 sq.ft.lb	
LRC	: 6.1	Duty cycle	: Cont.(S1)	
Rated torque	: 4.06 ft.lb	Insulation class	:F	
Locked rotor torque	: 300 %	Service factor	: 1.00	
Breakdown torque	: 330 %	Temperature rise	: 80 K	
Rated speed	: 970 rpm	Design	: B	
Locked rotor time	: 36s (cold) 20s (hot)			

Locked rotor time : 36s (cold) 20s (hot)

Rev.		Changes Summary	Performed	Checked	Date
Performed by					
Checked by				Page	Revision
Date	11/04/2022			4 / 36	



Revision

Page

5/36

Three Phase Induction Motor - Squirrel Cage Customer Product line : NEMA Premium Efficiency Three-Product code: 12553985 Catalog #: 00112ET3E145JM-W22 TORQUE AND CURRENT VS SPEED CURVE 4.5 3.5 Torque (pu) Current 0.5 Percent of synchronous speed ◆ Torque - 1 p.u. = 4.06 ft.lb ◆ Current - 1 p.u. = 1.66 A (415 V) Performance : 415 V 50 Hz 6P IE3 Rated current : 1.66 A Moment of inertia (J) : 0.1595 sq.ft.lb **LRC** : 6.3 Duty cycle : Cont.(S1) : 4.06 ft.lb Insulation class : F Rated torque : 320 % Locked rotor torque Service factor : 1.00 Breakdown torque : 340 % Temperature rise : 80 K Rated speed : 970 rpm Design : B Locked rotor time : 36s (cold) 20s (hot) Date Rev. Performed Checked **Changes Summary** Performed by

Checked by

Date

11/04/2022

### Three Phase Induction Motor - Squirrel Cage



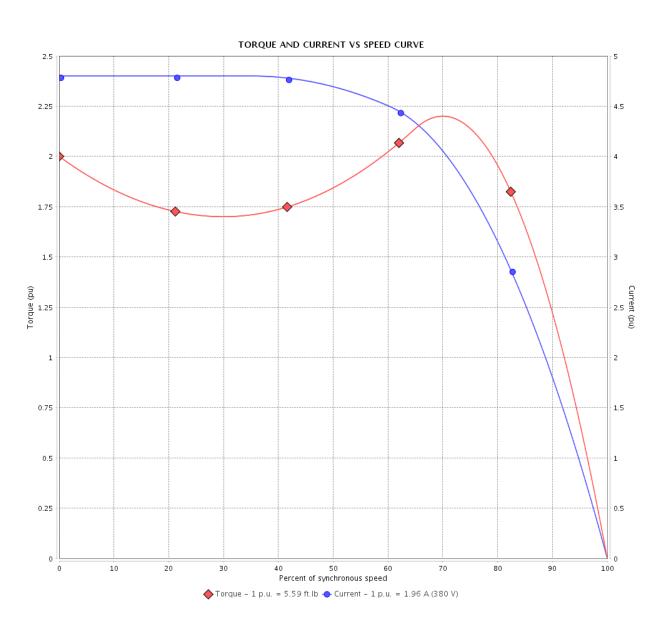
Customer :

Product line : NEMA Premium Efficiency Three-

Phase

Product code: 12553985

Catalog #: 00112ET3E145JM-W22



Performance	: 380 V 50 Hz 6P IE2		
Rated current	: 1.96 A	Moment of inertia (J)	: 0.1595 sq.ft.lb
LRC	: 4.8	Duty cycle	: Cont.(S1)
Rated torque	: 5.59 ft.lb	Insulation class	: F
Locked rotor torque	: 200 %	Service factor	: 1.00
Breakdown torque	: 220 %	Temperature rise	: 80 K
Rated speed	: 940 rpm	Design	: B

Locked rotor time : 36s (cold) 20s (hot)

Rev.		Changes Summary	Performed	Checked	Date
Performed by					
Checked by				Page	Revision
Date	11/04/2022			6 / 36	



Revision

Page 7/36

Three Phase Induction Motor - Squirrel Cage Customer Product line : NEMA Premium Efficiency Three-Product code: 12553985 Catalog #: 00112ET3E145JM-W22 TORQUE AND CURRENT VS SPEED CURVE 2.7 2.1 1.8 Current Torque (pu) 1.2 0.6 0.3 Percent of synchronous speed ◆ Torque - 1 p.u. = 5.53 ft.lb ◆ Current - 1 p.u. = 1.94 A (400 V) Performance : 400 V 50 Hz 6P IE2 Rated current : 1.94 A Moment of inertia (J) : 0.1595 sq.ft.lb **LRC** : 5.2 Duty cycle : Cont.(S1) Insulation class : F Rated torque : 5.53 ft.lb : 229 % Locked rotor torque Service factor : 1.00 Breakdown torque : 260 % Temperature rise : 80 K Rated speed : 950 rpm Design : B Locked rotor time : 36s (cold) 20s (hot) Rev. Performed Checked Date **Changes Summary** 

Performed by Checked by

Date

11/04/2022

#### Three Phase Induction Motor - Squirrel Cage



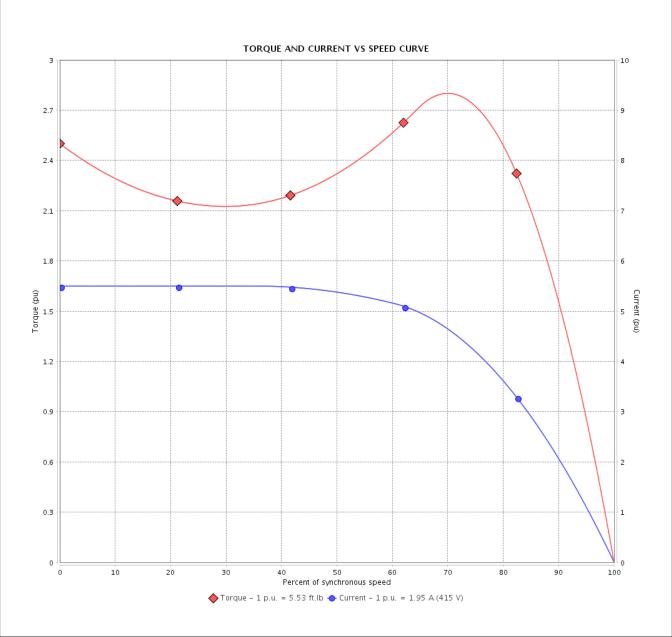
Customer :

Product line : NEMA Premium Efficiency Three- Product code :

Phase

Catalog #: 00112ET3E145JM-W22

12553985



Performance : 415 V 50 Hz 6P IE2 Rated current : 1.95 A Moment of inertia (J) : 0.1595 sq.ft.lb **LRC** : 5.5 Duty cycle : Cont.(S1) Insulation class Rated torque : 5.53 ft.lb : F Locked rotor torque : 250 % Service factor : 1.00 Breakdown torque : 280 % Temperature rise : 80 K Rated speed : 950 rpm Design : B

Locked rotor time : 36s (cold) 20s (hot)

Rev.		Changes Summary	Performed	Checked	Date
Performed by					
Checked by				Page	Revision
Date	11/04/2022			8 / 36	

#### Three Phase Induction Motor - Squirrel Cage

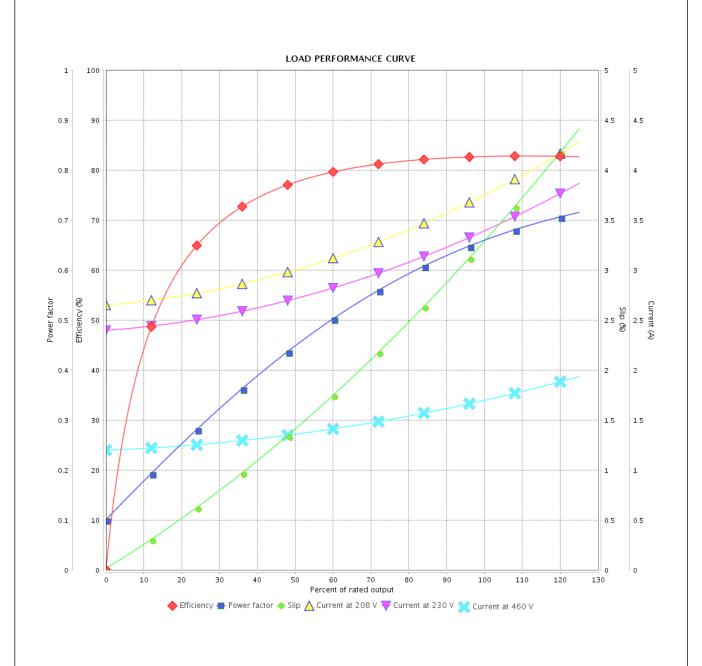


Customer

Product line : NEMA Premium Efficiency Three- Product code : 12553985

Phase

Catalog #: 00112ET3E145JM-W22



Performance	Performance : 230/460 V 60 Hz 6P					
Rated current	Rated current : 3.46/1.73 A		Moment of inertia (J)		: 0.1595 sq.ft.lb	
LRC	:	6.2	Duty cycle	<b>;</b>	: Cont.(S1)	
Rated torque	:	4.53 ft.lb	Insulation	class	: F	
Locked rotor torque	e :	260 %	Service fa	ctor	: 1.25	
Breakdown torque	:	300 %	Temperature rise		: 80 K	
Rated speed	:	: 1160 rpm		Design		
Rev.		Changes Summary	<u>'</u>	Performed	Checked	Date
Performed by						
Checked by					Page	Revision
Date	11/04/2022				9 / 36	

#### Three Phase Induction Motor - Squirrel Cage



Customer :

Checked by

Date

11/04/2022

Product line : NEMA Premium Efficiency Three- Product code :

Phase

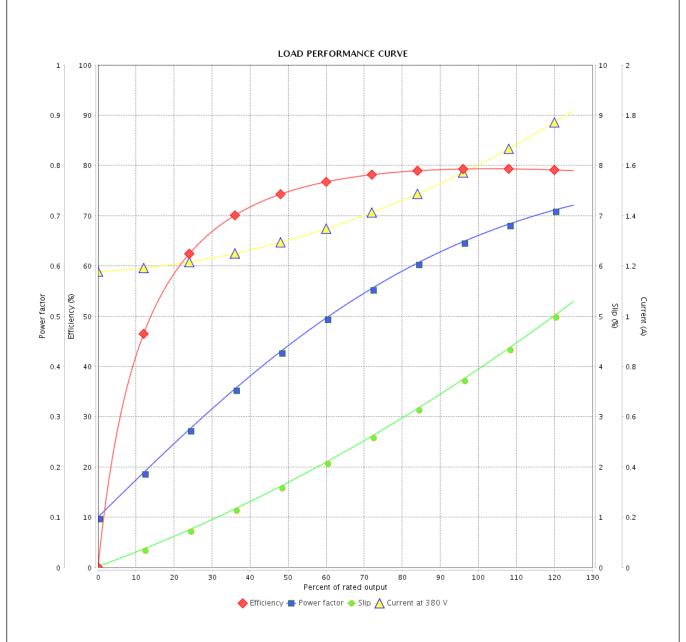
Product code: 12553985

Catalog #: 00112ET3E145JM-W22

Page

10/36

Revision



Performance	: 380 V 50 Hz 6P IE3				
Rated current LRC Rated torque Locked rotor torque Breakdown torque Rated speed	: 1.60 A : 5.8 : 4.10 ft.lb : 280 % : 310 % : 960 rpm	Moment of inertia (J) Duty cycle Insulation class Service factor Temperature rise Design		: 0.1595 sq.ft.ll : Cont.(S1) : F : 1.00 : 80 K : B	b
Rev.	Changes Summary	-	Performed	Checked	Date
Performed by					

#### Three Phase Induction Motor - Squirrel Cage



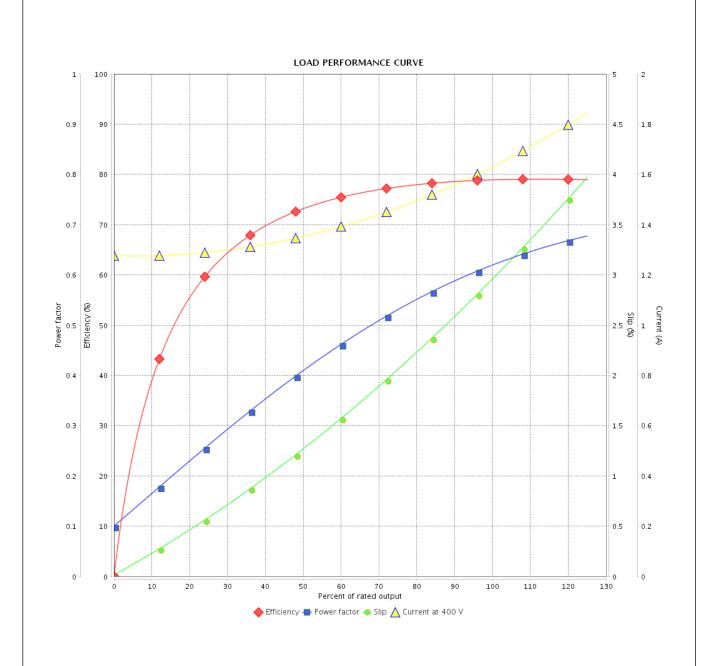
Customer

Product line : NEMA Premium Efficiency Three- Product code : 12553985

Phase

Catalog #: 00112ET3E145JM-W22

11/36



Performance	: 400 V 50 Hz 6P IE3				
Rated current	: 1.62 A	Moment of inertia (J)		: 0.1595 sq.ft.lb	
LRC	: 6.1	Duty cycle		: Cont.(S1)	
Rated torque	: 4.06 ft.lb	Insulation cla	ISS	: F	
Locked rotor torque	: 300 %	Service factor		: 1.00	
Breakdown torque	: 330 %	Temperature rise Design		: 80 K	
Rated speed	: 970 rpm			: B	
Rev.	Changes Summary		Performed	Checked	Date
Performed by					
Checked by				Page	Revision

11/04/2022

Date

#### Three Phase Induction Motor - Squirrel Cage



Customer :

Checked by

Date

11/04/2022

Product line : NEMA Premium Efficiency Three- Product code :

Phase

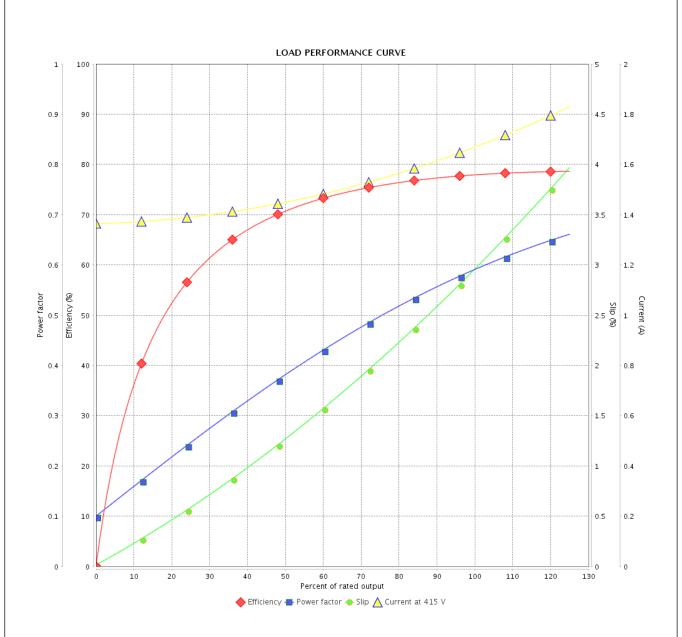
Catalog #: 00112ET3E145JM-W22

12553985

Page

12/36

Revision



Performance : 415		15 V 50 Hz 6P IE3					
Rated current LRC Rated torque Locked rotor tord Breakdown torqu Rated speed	: 6. : 4. jue : 32 ie : 34	.66 A .3 .06 ft.lb 20 % 40 % 70 rpm	Moment of Duty cycle Insulation Service fa Temperate Design	class actor	: 0.1595 sq.ft. : Cont.(S1) : F : 1.00 : 80 K : B	dl	
Rev.		Changes Summary		Performed	Checked	Date	
Performed by							

#### Three Phase Induction Motor - Squirrel Cage

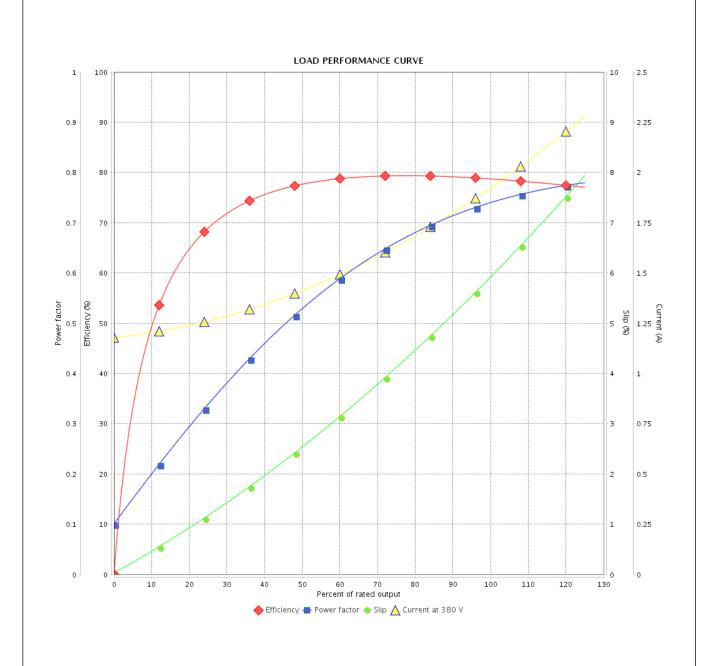


Customer

Product line : NEMA Premium Efficiency Three- Product code : 12553985

Phase

Catalog #: 00112ET3E145JM-W22



Performance	: 3	80 V 50 Hz 6P IE2				
Rated current	: 1.	96 A	6 A Moment of inertia (J)		: 0.1595 sq.ft.	lb
LRC	: 4	.8	Duty cycle	<b>;</b>	: Cont.(S1)	
Rated torque	: 5	.59 ft.lb	Insulation	class	: F	
Locked rotor torque	e : 20	00 %	Service fa	ctor	: 1.00	
		20 %	Temperati	Temperature rise		
Rated speed	: 94	40 rpm	Design		: B	
Rev.		Changes Summary		Performed	Checked	Date
Performed by						
		_			Б	Б
Checked by					Page	Revision
Date	11/04/2022				13 / 36	

#### Three Phase Induction Motor - Squirrel Cage



Customer :

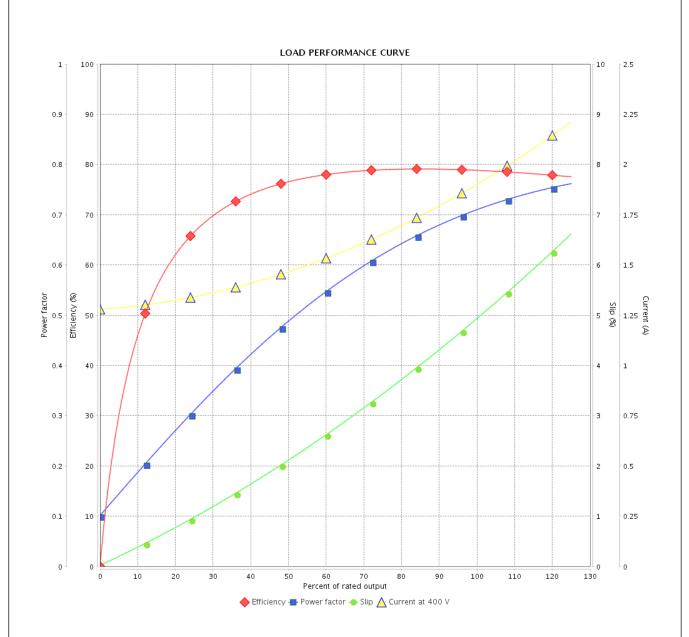
Product line : NEMA Premium Efficiency Three- Product code :

Phase

Catalog #: 00112ET3E145JM-W22

12553985

14/36



Performance	: 400 V 50 Hz 6P IE2			
Rated current LRC Rated torque Locked rotor torque Breakdown torque Rated speed		Moment of inertia (J) Duty cycle Insulation class Service factor Temperature rise Design	: 0.1595 sq.ft. : Cont.(S1) : F : 1.00 : 80 K : B	lb
Rev.	Changes Summai		Checked	Date
Performed by				
Checked by			Page	Revision

11/04/2022

Date

#### Three Phase Induction Motor - Squirrel Cage



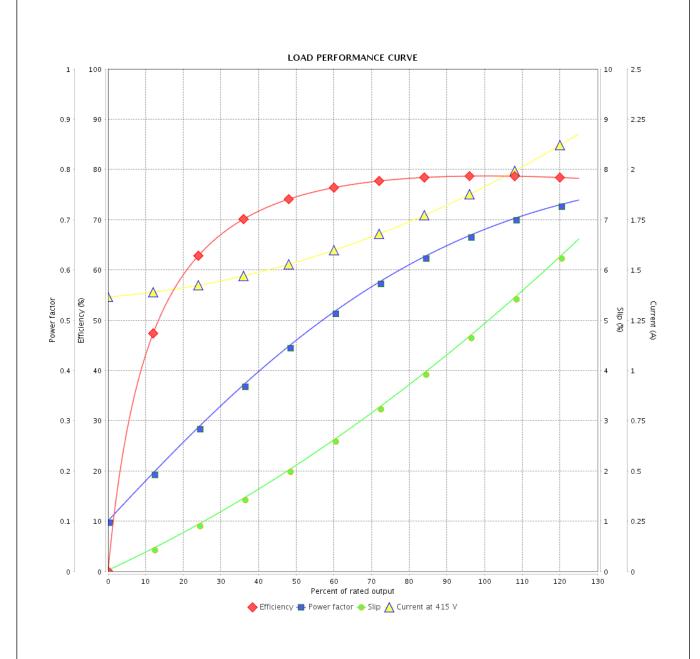
Customer

Product line : NEMA Premium Efficiency Three- Product code : 12553985

Phase

Catalog #: 00112ET3E145JM-W22

15 / 36



Performance	: 415 V 50 Hz 6P IE2				
Rated current LRC Rated torque	: 1.95 A : 5.5 : 5.53 ft.lb	Moment of inertia (J) Duty cycle Insulation class Service factor Temperature rise Design		: 0.1595 sq.ft. : Cont.(S1) : F	lb
Locked rotor torque Breakdown torque Rated speed	: 250 % : 280 % : 950 rpm			: 1.00 : 80 K : B	
Rev.	Changes Summary		Performed	Checked	Date
Performed by					
Checked by				Page	Revision

11/04/2022

Date

### Three Phase Induction Motor - Squirrel Cage

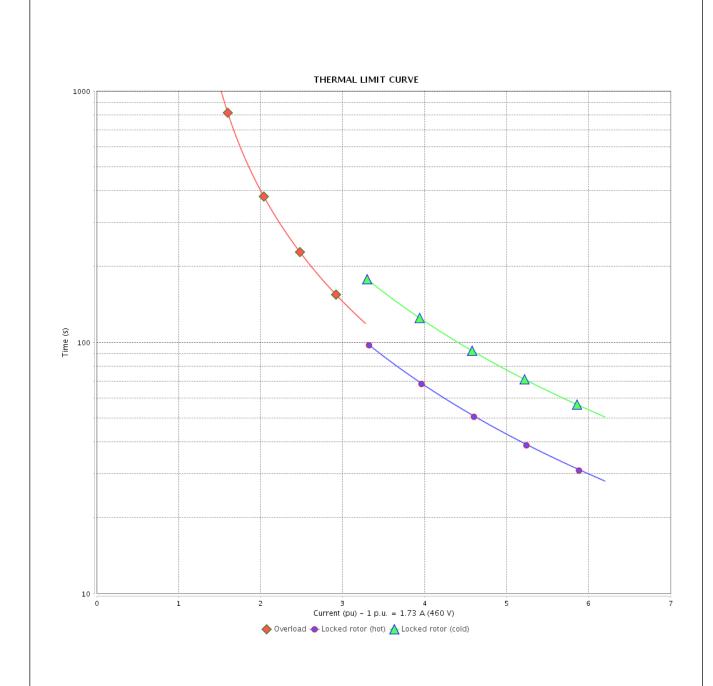


			·	
Customer	:			
Product line	: NEMA Premium Efficiency Phase			5 IM 18/00
		Catalog #:	00112ET3E14	5JM-W22
Performance	: 230/460 V 60 Hz 6P			
LRC Rated torque Locked rotor torque Breakdown torque	: 3.46/1.73 A : 6.2 : 4.53 ft.lb : 260 % : 300 % : 1160 rpm	Moment of inertia (J) Duty cycle Insulation class Service factor Temperature rise Design	: 0.1595 sq.ft.lb : Cont.(S1) : F : 1.25 : 80 K : B	
	•			
Heating constant				
Cooling constant  Rev.	Changes Summani	Performed	Checked	Date
NEV.	Changes Summary	Periorinea	Спескеа	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	11/04/2022	1		17 / 36	

### Three Phase Induction Motor - Squirrel Cage

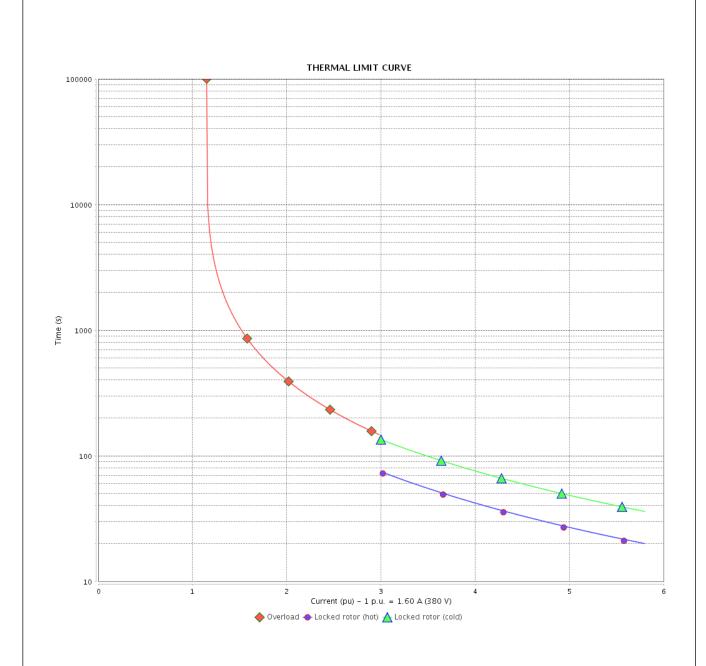


Customer	:					
Product line		NEMA Premium Efficiency hase	Three-	Product code :	12553985	
	P	nase		Catalog # :	00112ET3E1	45JM-W22
Performance		80 V 50 Hz 6P IE3				
Rated current LRC	: 1. : 5.	60 A 8	Moment of Duty cycle	f inertia (J)	: 0.1595 sq.ft.l : Cont.(S1)	b
Rated torque	: 4.	.10 ft.lb	Insulation	class	: F	
Locked rotor torq Breakdown torqu		80 % 10 %	Service fa Temperatu		: 1.00 : 80 K	
Rated speed		60 rpm	Design	10 1100	: B	
Heating constant						
Cooling constant		01 0				
Rev.		Changes Summary		Performed	Checked	Date
Performed by						
Checked by		-			Page	Revision
	4.4/0.4/0.000	-			40,400	

### Three Phase Induction Motor - Squirrel Cage



Customer



Rev.		Changes Summary	Performed	Checked	Date
Performed by					
Checked by				Page	Revision
Date	11/04/2022			19 / 36	

### Three Phase Induction Motor - Squirrel Cage

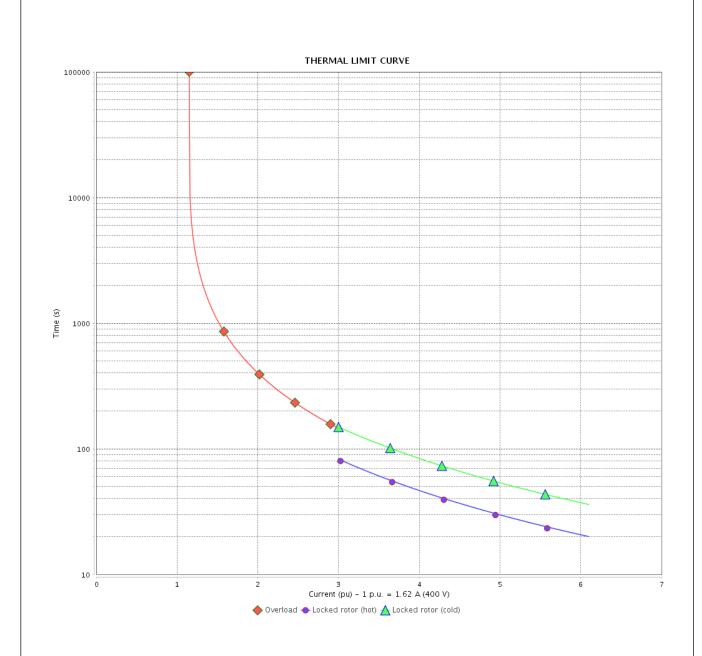


					•
Customer	:				
Product line	: NEMA Premium Efficiency <sup>-</sup> Phase		Product code :	12553985	
		C	Catalog # :	00112ET3E1	45JM-W22
Performance	: 400 V 50 Hz 6P IE3	Г			
LRC Rated torque Locked rotor torque Breakdown torque	: 1.62 A : 6.1 : 4.06 ft.lb : 300 % : 330 % : 970 rpm	Moment of Duty cycle Insulation of Service fact Temperatur Design	class tor	: 0.1595 sq.ft.l : Cont.(S1) : F : 1.00 : 80 K : B	b
	- r				
Heating constant					
Cooling constant					
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	11/04/2022			21 / 36	

### Three Phase Induction Motor - Squirrel Cage

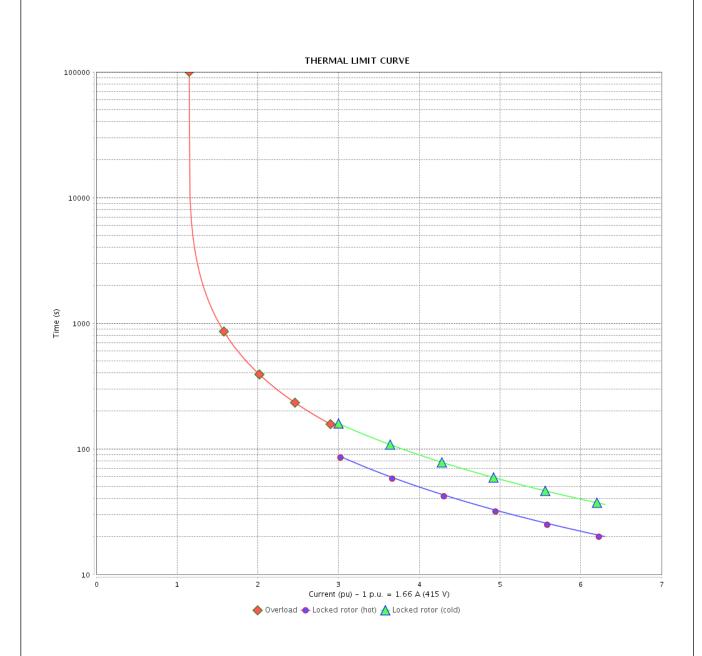


Customer	:					-
Customer	•					
Product line		NEMA Premium Efficiency Thase	Γhree- I	Product code :	12553985	
	11	1830	(	Catalog # :	00112ET3E14	15JM-W22
Performance	: 41	15 V 50 Hz 6P IE3				
Rated current LRC Rated torque Locked rotor torque Breakdown torque Rated speed	: 1. : 6. : 4. : 32 : 3 <sup>2</sup>	66 A	Moment or Duty cycle Insulation Service far Temperatu Design	class ctor	: 0.1595 sq.ft.lk : Cont.(S1) : F : 1.00 : 80 K : B	)
Heating constant		•				
Cooling constant						
Rev.		Changes Summary		Performed	Checked	Date
		<u> </u>				
Performed by			l			
Checked by					Page	Revision
Data	11/04/2022				22 / 36	

#### Three Phase Induction Motor - Squirrel Cage



Customer



Rev.		Changes Summary	Performed	Checked	Date
Performed by					
Checked by				Page	Revision
Date	11/04/2022			23 / 36	

### Three Phase Induction Motor - Squirrel Cage

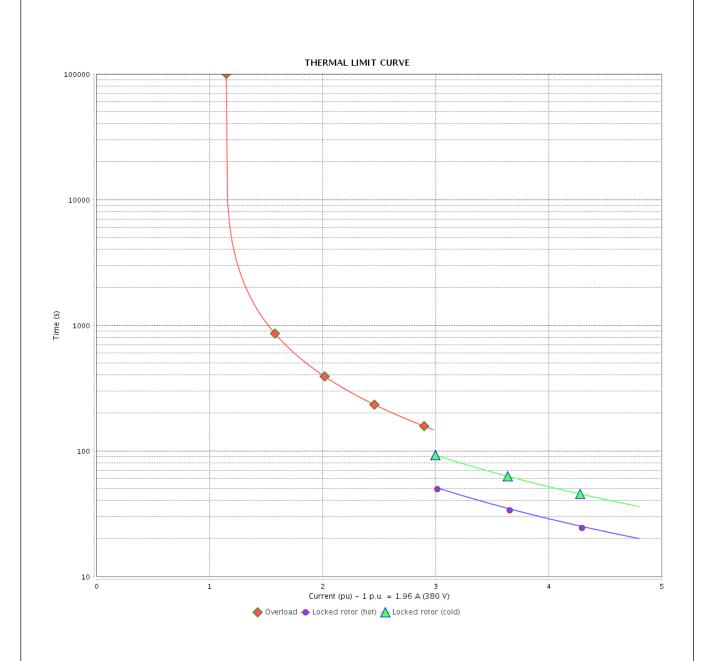


Customer	:					
Product line		NEMA Premium Efficiency hase		Product code :	12553985 00112ET3E1	45JM-W22
Performance Rated current	: 1.	80 V 50 Hz 6P IE2 96 A	Moment of	inertia (J)	: 0.1595 sq.ft.l	b
LRC Rated torque Locked rotor torqu Breakdown torqu Rated speed	: 4. : 5. ue : 20 e : 22		Duty cycle Insulation Service fac Temperatu Design	class	: Cont.(S1) : F : 1.00 : 80 K : B	
Heating constant Cooling constant Rev.		Changes Summary		Performed	Checked	Date
Performed by Checked by	44/04/2222	-	,		Page	Revision

#### Three Phase Induction Motor - Squirrel Cage



Customer



Rev.		Changes Summary	Performed	Checked	Date
Performed by					
Checked by				Page	Revision
Date	11/04/2022			25 / 36	

### Three Phase Induction Motor - Squirrel Cage

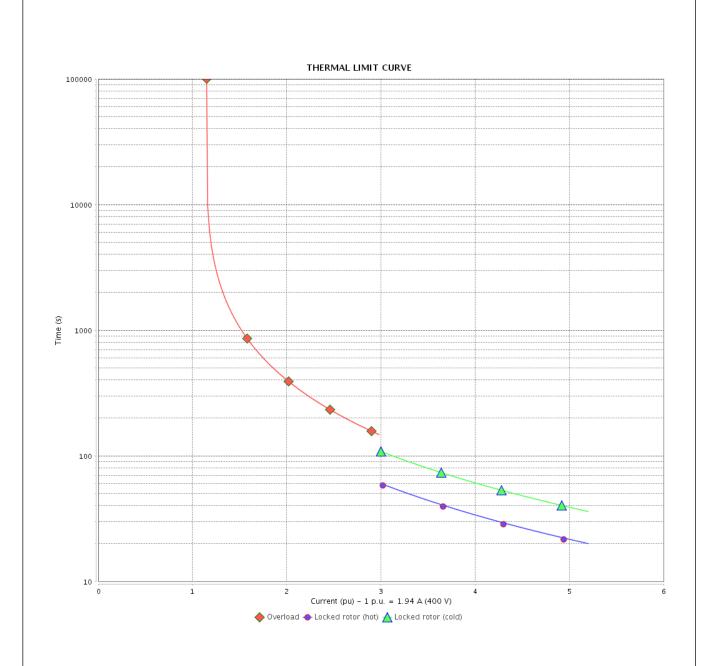


Customer		:				
Product line		: NEMA Premium Efficiency Phase	Three-	Product code :	12553985	
		1 Hase		Catalog # :	00112ET3E1	45JM-W22
Performance		400 V 50 Hz 6P IE2				
Rated current		1.94 A	Moment of	f inertia (J)	: 0.1595 sq.ft.ll	0
LRC	:	5.2	Duty cycle	)	: Cont.(S1)	
Rated torque Locked rotor torq		5.53 ft.lb 229 %	Insulation Service fa		: F : 1.00	
Breakdown torqu	ie :	260 %	Temperat		: 80 K	
Rated speed		950 rpm	Design		: B	
Heating constant						
Cooling constant Rev.		Changes Summary		Performed	Checked	Date
INGV.		Shanges Summary		1 CHOITHEU	CHECKEU	Date
Performed by						
Checked by					Page	Revision
Date	11/04/2022				26 / 36	

#### Three Phase Induction Motor - Squirrel Cage



Customer



Rev.		Changes Summary	Performed	Checked	Date
Performed by					
Checked by				Page	Revision
Date	11/04/2022			27 / 36	

### Three Phase Induction Motor - Squirrel Cage

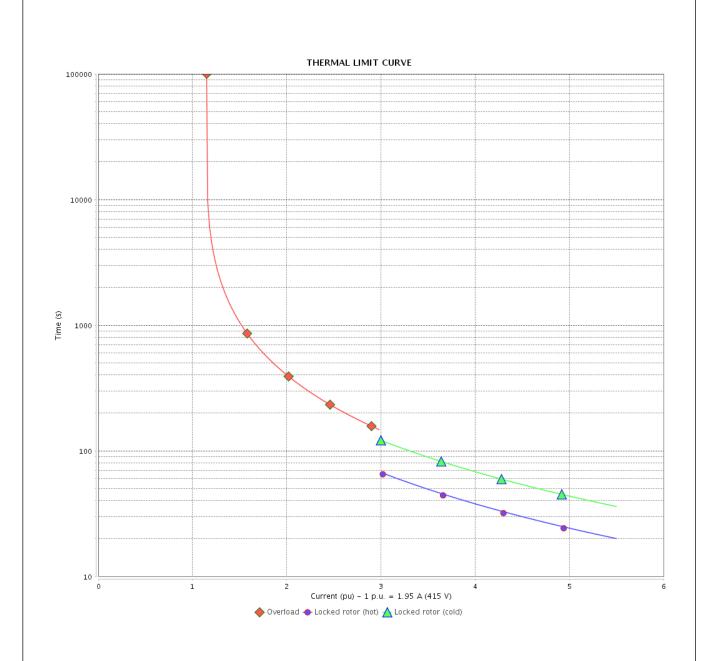


Customer	:					
Product line		NEMA Premium Efficiency hase		Product code :	12553985 00112ET3E1	45JM-W22
Performance Rated current LRC Rated torque Locked rotor torque Breakdown torque Rated speed Heating constant Cooling constant	: 1. : 5. : 5. ue : 2! e : 28	15 V 50 Hz 6P IE2  95 A 5 53 ft.lb 50 % 80 % 50 rpm  Changes Summary	Moment or Duty cycle Insulation Service far Temperatu Design	class	: 0.1595 sq.ft.I : Cont.(S1) : F : 1.00 : 80 K : B	Date
Performed by Checked by	44/04/0000				Page	Revision

### Three Phase Induction Motor - Squirrel Cage



Customer



Rev.		Changes Summary	Performed	Checked	Date
Performed by					
Checked by				Page	Revision
Date	11/04/2022			29 / 36	

#### Three Phase Induction Motor - Squirrel Cage



Customer :

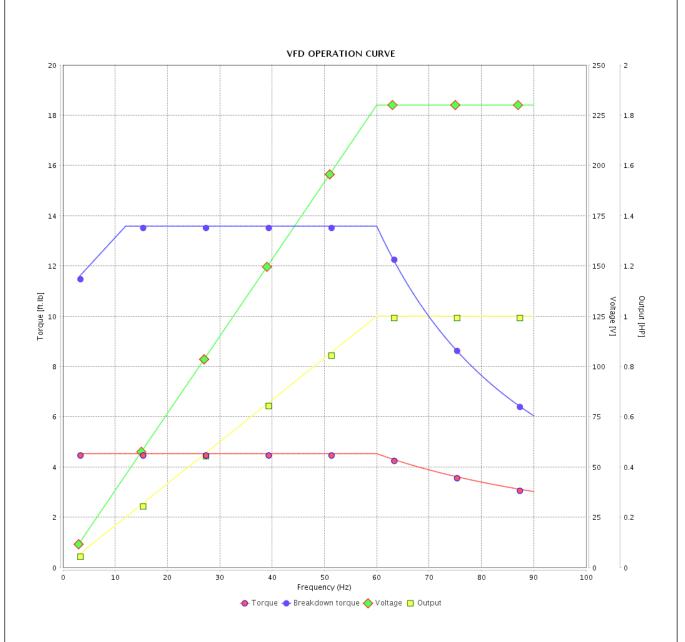
Product line : NEMA Premium Efficiency Three- Product of

Phase

Product code: 12553985

Catalog #: 00112ET3E145JM-W22

30 / 36



Performance	: 230/460 V 60 Hz 6P				
Rated current LRC Rated torque Locked rotor torque Breakdown torque Rated speed	: 3.46/1.73 A : 6.2 : 4.53 ft.lb : 260 % : 300 % : 1160 rpm	Moment of Duty cycle Insulation Service fa Temperat Design	class actor	: 0.1595 sq.ft. : Cont.(S1) : F : 1.25 : 80 K : B	lb
Rev.	Changes Summary	1	Performed	Checked	Date
Performed by				Dave	Davisian
Checked by				Page	Revision

11/04/2022

Date

### Three Phase Induction Motor - Squirrel Cage



Customer

Checked by

Date

11/04/2022

Product line : NEMA Premium Efficiency Three- Product code :

Phase

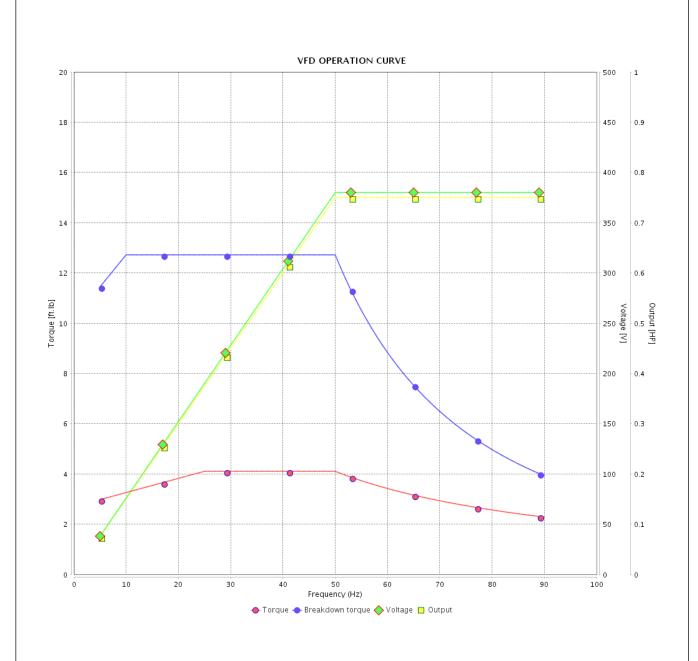
Catalog #: 00112ET3E145JM-W22

12553985

Page

31 / 36

Revision



Performance	: 380 V 50 Hz 6P IE3				
Rated current LRC Rated torque Locked rotor torque Breakdown torque Rated speed	: 1.60 A : 5.8 : 4.10 ft.lb : 280 % : 310 % : 960 rpm	Moment on Duty cycle Insulation Service fa Temperature Design	class ctor	: 0.1595 sq.ft.ll : Cont.(S1) : F : 1.00 : 80 K : B	)
Rev.	Changes Summary	Design	Performed	Checked	Date
Performed by					

#### Three Phase Induction Motor - Squirrel Cage



Customer :

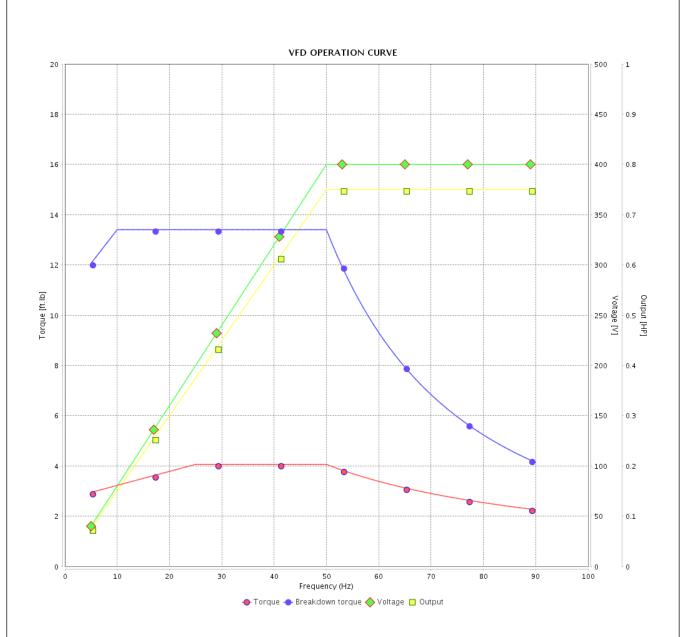
Product line : NEMA Premium Efficiency Three- Product code :

Phase

Catalog #: 00112ET3E145JM-W22

12553985

32 / 36



Performance	: 40	00 V 50 Hz 6P IE3				
Rated current	: 1.	.62 A	Moment of inertia (J)		Moment of inertia (J) : 0.1595 sq.ft.lb	
LRC	: 6.	.1	Duty cycle	<b>;</b>	: Cont.(S1)	
Rated torque	: 4.	.06 ft.lb	Insulation	class	: F	
Locked rotor tord	que : 30	00 %	Service factor		: 1.00	
Breakdown torqu	ie : 3:	30 %	Temperature rise		: 80 K	
Rated speed	: 9	70 rpm	Design	Design		
Rev.		Changes Summary	,	Performed	Checked	Date
Performed by						
Checked by		-			Page	Revision

11/04/2022

Date

#### Three Phase Induction Motor - Squirrel Cage



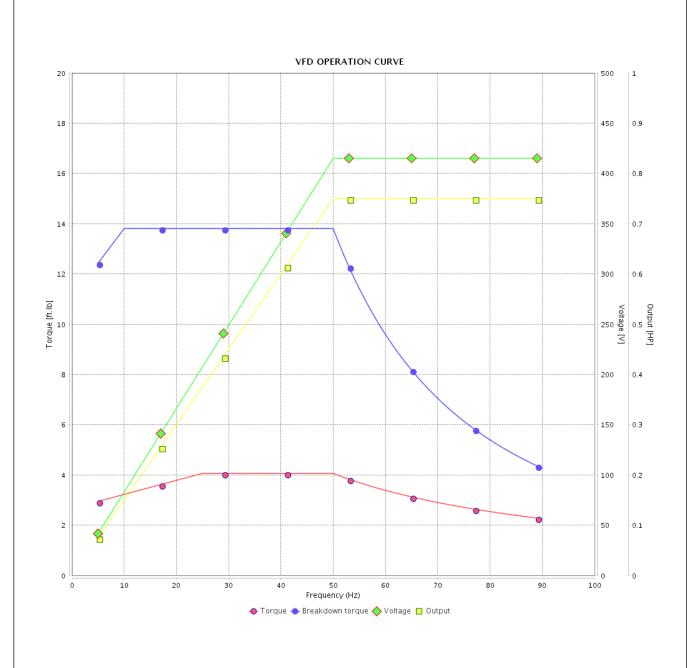
Customer

Product line : NEMA Premium Efficiency Three- Product code :

Phase

Catalog #: 00112ET3E145JM-W22

12553985



Performance	: 4	15 V 50 Hz 6P IE3				
Rated current	: 1.	66 A	Moment o	f inertia (J)	: 0.1595 sq.ft.	lb
LRC	: 6.	3	Duty cycle	<del>)</del>	: Cont.(S1)	
Rated torque	: 4.	06 ft.lb	Insulation	class	: F	
Locked rotor torqu	ue : 32	20 %	Service fa	ctor	: 1.00	
Breakdown torque	e : 34	40 %	Temperati	ure rise	: 80 K	
Rated speed	: 97	70 rpm	Design		: B	
Rev.		Changes Summa	ry	Performed	Checked	Date
Performed by						
Checked by					Page	Revision
Date	11/04/2022				33 / 36	

#### Three Phase Induction Motor - Squirrel Cage



Customer :

Checked by

Date

11/04/2022

Product line : NEMA Premium Efficiency Three- Product code :

Phase

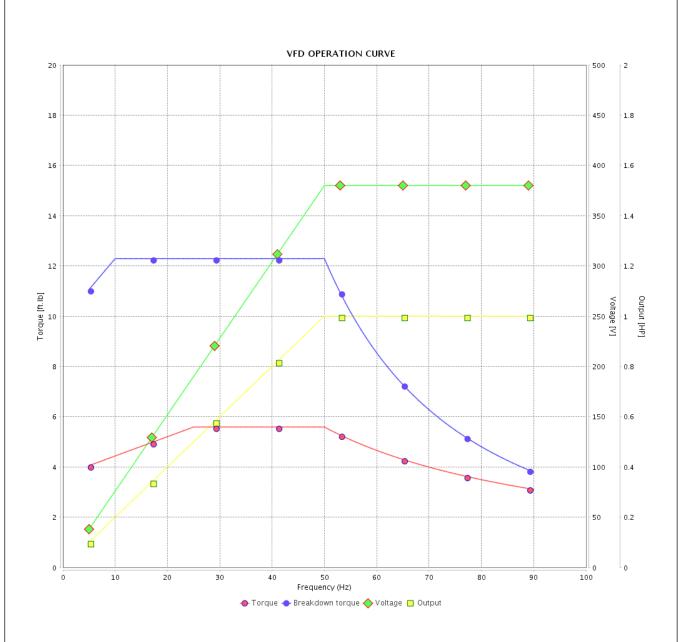
Product code: 12553985

Catalog #: 00112ET3E145JM-W22

Page

34 / 36

Revision



Performance	: 38	80 V 50 Hz 6P IE2				
Rated current LRC Rated torque Locked rotor tord Breakdown torqu Rated speed	: 4. : 5.  ue : 20	.96 A .8 .59 ft.lb 00 % 20 % 40 rpm	Moment of Duty cycle Insulation Service fa Temperate Design	class ctor	: 0.1595 sq.ft.l : Cont.(S1) : F : 1.00 : 80 K : B	lb
Rev.		Changes Summary		Performed	Checked	Date
Performed by						

### Three Phase Induction Motor - Squirrel Cage

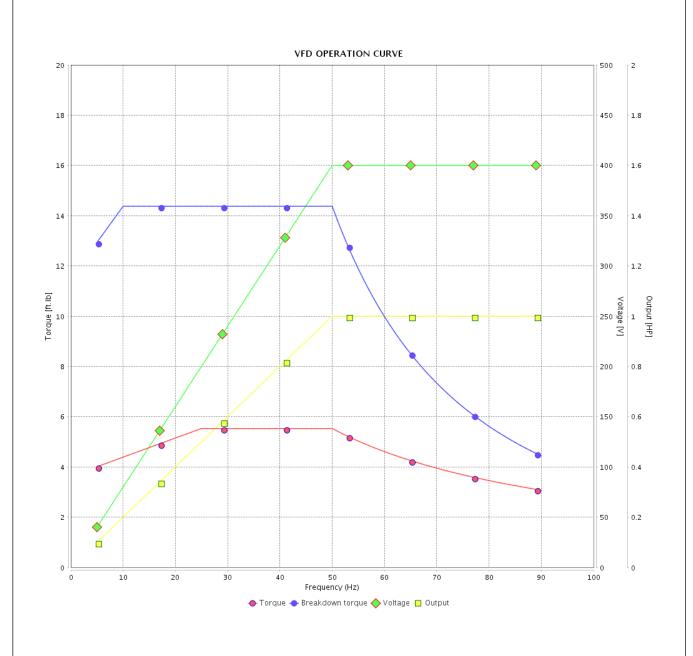


Customer

Product line : NEMA Premium Efficiency Three- Product code : 12553985

Phase

Catalog #: 00112ET3E145JM-W22



Performance	: 400 V 50 Hz 6P IE2				
Rated current	: 1.94 A	Moment of	f inertia (J)	: 0.1595 sq.ft.lb	)
LRC	: 5.2	Duty cycle	)	: Cont.(S1)	
Rated torque	: 5.53 ft.lb	Insulation	class	: F	
Locked rotor torque	: 229 %	Service fa	ctor	: 1.00	
Breakdown torque	: 260 %	Temperati	ure rise	: 80 K	
Rated speed	: 950 rpm	Design		: B	
Rev.	Changes Summary		Performed	Checked	Date
	·				
Performed by				'	

Rev.		Changes Summary	Performed	Checked	Date
Performed by					
Checked by				Page	Revision
Date	11/04/2022			35 / 36	
This do	cumont is evaluative	property of WEG S/A Penrinting is not all	lowed without written	authorization of WE	C S/A

#### Three Phase Induction Motor - Squirrel Cage



Customer :

Checked by

Date

11/04/2022

Product line : NEMA Premium Efficiency Three- Pro

Phase

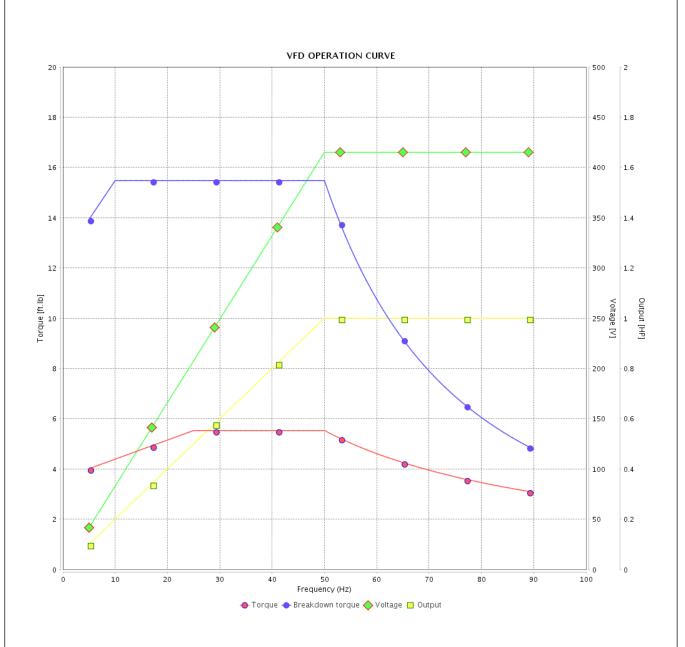
Product code: 12553985

Catalog #: 00112ET3E145JM-W22

Page

36 / 36

Revision



Performance		: 415 V 50 Hz 6P IE2					
Rated current LRC Rated torque Locked rotor torque Breakdown torque Rated speed		: 1.95 A : 5.5 : 5.53 ft.lb : 250 % : 280 % : 950 rpm		Moment of inertia (J) Duty cycle Insulation class Service factor Temperature rise Design		: 0.1595 sq.ft.lb : Cont.(S1) : F : 1.00 : 80 K : B	
Rev.	Changes Summary			Performed	Checked	Date	
Performed by							

