### **DATA SHEET**

#### Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : NEMA Premium Efficiency Three- Product code : 12598734

Phase

Catalog #: 00718ET3E213JP-W22

Frame : 213/5JP Cooling method : IC411 - TEFC

Insulation class : F Mounting : F-1

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

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

Altitude : 1000 m.a.s.l. Approx. weight³ : 174 lb

Protection degree : IP55 Moment of inertia (J) : 1.34 sq.ft.lb

Design	C	: B	Women of the	Sriid (0) . 1.04	54.11.10
Output [HP]		7.5	7.5	7.5	7.5
Poles		4	4	4	4
Frequency [Hz]		60	50	50	50
Rated voltage [V]		230/460	380	400	415
Rated current [A]		18.4/9.18	11.0	10.5	10.3
L. R. Amperes [A]		130/65.2	61.6	65.1	69.0
LRC [A]		7.1x(Code H)	5.6x(Code F)	6.2x(Code G)	6.7x(Code H)
No load current [A	.]	8.80/4.40	4.00	4.30	4.55
Rated speed [RPI	Л]	1765	1455	1460	1460
Slip [%]		1.94	3.00	2.67	2.67
Rated torque [ft.lb]	Rated torque [ft.lb]		27.1	27.0	27.0
Locked rotor torqu	ie [%]	220	170	190	210
Breakdown torque	: [%]	310	240	270	290
Service factor		1.25	1.25	1.25 1.25	
Temperature rise		80 K	80 K	80 K	80 K
Locked rotor time		36s (cold) 20s (hot)	27s (cold) 15s (hot)	27s (cold) 15s (hot)	27s (cold) 15s (hot)
Noise level <sup>2</sup>		58.0 dB(A)	56.0 dB(A)	56.0 dB(A)	56.0 dB(A)
	25%	88.6	89.2	89.2	89.2
Efficiency (%)	50%	89.5	89.5	89.5	89.5
Efficiency (70)	75%	91.0	89.5	90.2	90.2
100%		91.7	89.6	90.2	90.2
	25%	0.40	0.47	0.43	0.41
Power Factor	50%	0.66	0.72	0.69	0.66
I OWELL ACIOI	75%	0.76	0.81	0.78	0.76
	100%	0.82	0.85	0.84	0.82

<u>Drive end</u> <u>Non drive end</u> Foundation loads

Bearing type : 6309 Z C3 6207 ZZ Max. traction : 354 lb Sealing : V'Ring V'Ring Max. compression : 528 lb

40000 h

Lubricant amount : 13 g 0 g Lubricant type : Mobil Polyrex EM

20000 h

Notes

Lubrication interval

USABLE @208V 19.9A SF 1.15 SFA 22.9A

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	13/04/2022			1 / 21	

#### Three Phase Induction Motor - Squirrel Cage



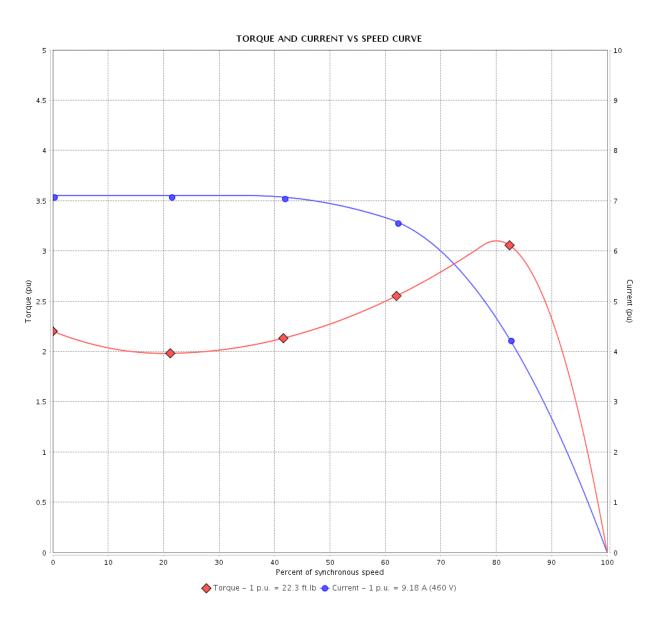
Customer :

Product line : NEMA Premium Efficiency Three- Produ

Phase

Product code: 12598734

Catalog #: 00718ET3E213JP-W22



Performance : 230/460 V 60 Hz 4P Rated current : 18.4/9.18 A Moment of inertia (J) : 1.34 sq.ft.lb **LRC** : 7.1 Duty cycle : Cont.(S1) : 22.3 ft.lb Insulation class Rated torque : F Service factor Locked rotor torque : 220 % : 1.25 Breakdown torque : 310 % Temperature rise : 80 K Rated speed : 1765 rpm Design : B

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

Rev.	Changes Summary		Performed	Checked	Date
Performed by					
Checked by				Page	Revision
Date	13/04/2022			2 / 21	

#### Three Phase Induction Motor - Squirrel Cage

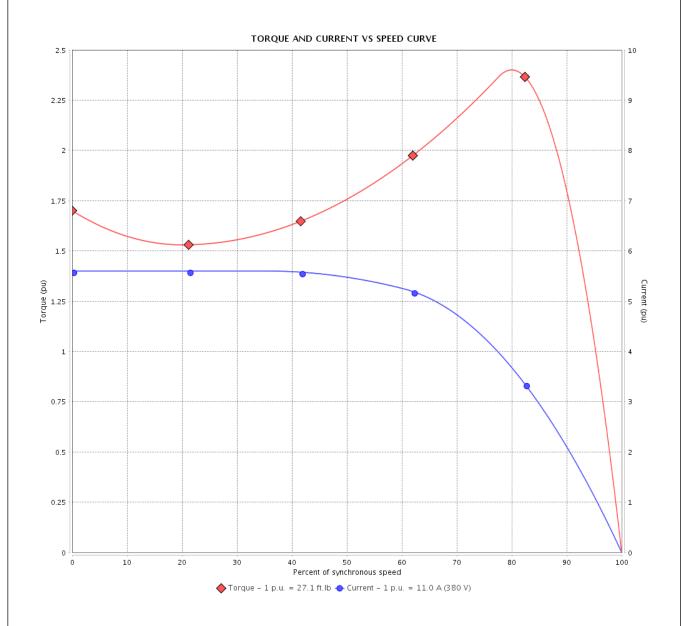


Customer :

Product line : NEMA Premium Efficiency Three- Product code : 12598734

Phase

Catalog #: 00718ET3E213JP-W22



Performance	: 380 V 50 Hz 4P IE3			
Rated current	: 11.0 A	Moment of inertia (J)	: 1.34 sq.ft.lb	
LRC	: 5.6	Duty cycle	: Cont.(S1)	
Rated torque	: 27.1 ft.lb	Insulation class	: F	
Locked rotor torque	: 170 %	Service factor	: 1.25	
Breakdown torque	: 240 %	Temperature rise	: 80 K	
Rated speed	: 1455 rpm	Design	: B	
Locked rotor time	: 27s (cold) 15s (bot)			

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

		, , , ,			
Rev.		Changes Summary	Performed	Checked	Date
Performed by					
Checked by				Page	Revision
Date	13/04/2022			3 / 21	

#### Three Phase Induction Motor - Squirrel Cage

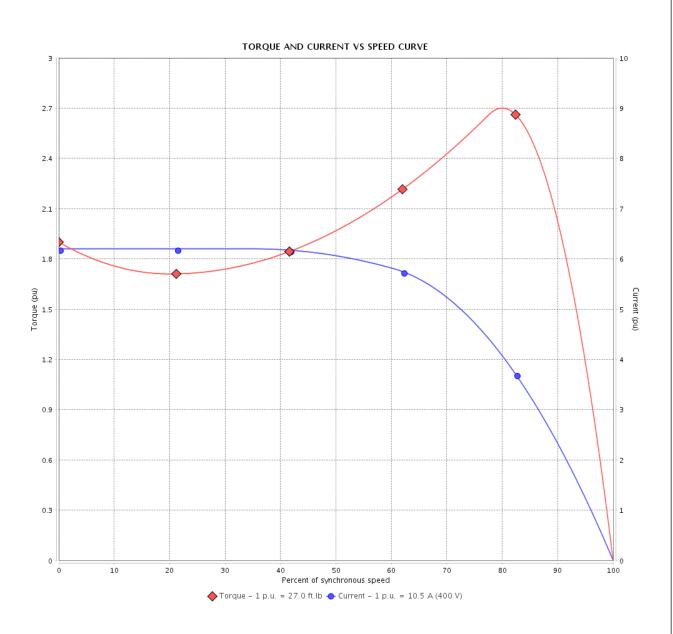


Customer

Product line : NEMA Premium Efficiency Three-

Product code: 12598734

Catalog #: 00718ET3E213JP-W22



: 400 V 50 Hz 4P IE3 Performance Rated current : 10.5 A Moment of inertia (J) : 1.34 sq.ft.lb **LRC** : 6.2 Duty cycle : Cont.(S1) Insulation class Rated torque : 27.0 ft.lb : F Service factor Locked rotor torque : 190 % : 1.25 Breakdown torque : 270 % Temperature rise : 80 K Rated speed : 1460 rpm Design : B Locked rotor time

: 27s (cold) 15s (hot)

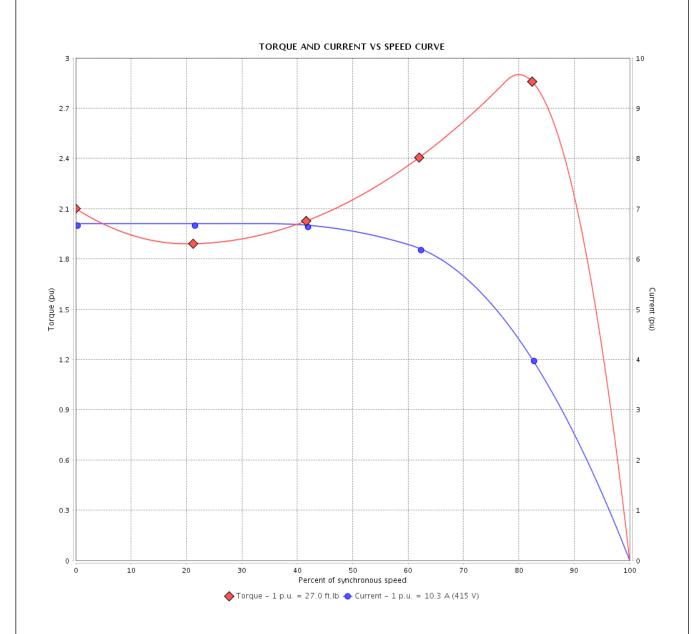
Rev.	Changes Summary		Performed	Checked	Date
Performed by					
Checked by				Page	Revision
Date	13/04/2022			4 / 21	

#### Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : NEMA Premium Efficiency Three-Product code : 12598734
Phase Catalog # : 00718ET3E213JP-W22



Performance : 415 V 50 Hz 4P IE3 Rated current : 10.3 A Moment of inertia (J) : 1.34 sq.ft.lb **LRC** : 6.7 Duty cycle : Cont.(S1) : 27.0 ft.lb Insulation class Rated torque : F Locked rotor torque : 210 % Service factor : 1.25 Breakdown torque : 290 % Temperature rise : 80 K Rated speed : 1460 rpm Design : B Locked rotor time : 27s (cold) 15s (hot)

Rev. Changes Summary Performed Checked Date

Performed by
Checked by
Date 13/04/2022 Page Revision

#### Three Phase Induction Motor - Squirrel Cage



Customer :

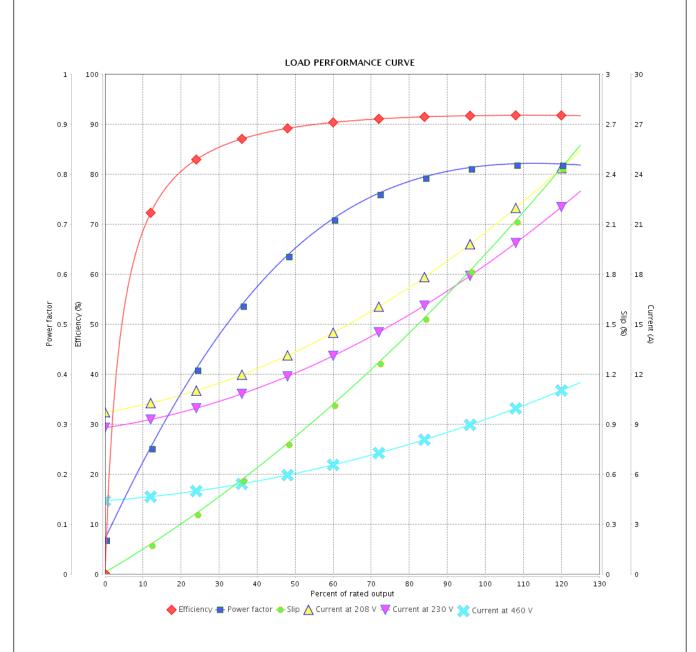
Product line : NEMA Premium Efficiency Three- Product code :

Phase

Catalog #: 00718ET3E213JP-W22

12598734

6/21



Performance	: 230/460 V 60 Hz 4P				
Rated current LRC Rated torque Locked rotor torque Breakdown torque Rated speed	: 18.4/9.18 A : 7.1 : 22.3 ft.lb : 220 % : 310 % : 1765 rpm	Duty cycle : Insulation class : Service factor : Temperature rise :		: 1.34 sq.ft.lb : Cont.(S1) : F : 1.25 : 80 K : B	
Rev.	Changes Summary	Per	rformed	Checked	Date
Performed by					
Checked by				Page	Revision

13/04/2022

Date

#### Three Phase Induction Motor - Squirrel Cage

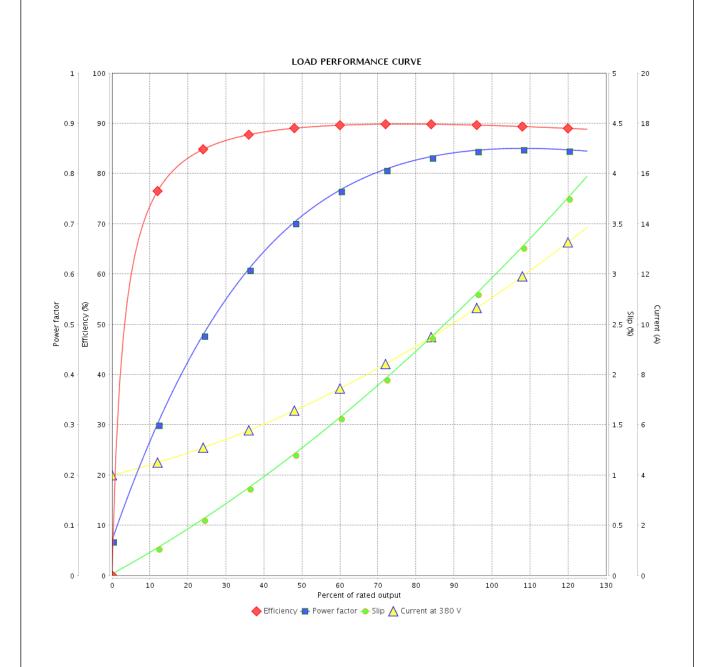


Customer

Product line : NEMA Premium Efficiency Three- Product code : 12598734

Phase

Catalog #: 00718ET3E213JP-W22



Performance	::	380 V 50 Hz 4P IE3				
Rated current	: '	11.0 A	Moment o	f inertia (J)	: 1.34 sq.ft.lb	
LRC	: 5	5.6	Duty cycle	)	: Cont.(S1)	
Rated torque	: 2	27.1 ft.lb	Insulation	class	: F	
Locked rotor torqu	ie : '	170 %	Service fa	ctor	: 1.25	
Breakdown torque	: 2	240 %	Temperati	Temperature rise		
Rated speed	: 1	1455 rpm	Design		: B	
Rev.		Changes Summa	ry	Performed	Checked	Date
Dayfawa ad ba						
Performed by						
Checked by					Page	Revision
Date	13/04/2022				7 / 21	

#### Three Phase Induction Motor - Squirrel Cage



Customer :

Date

13/04/2022

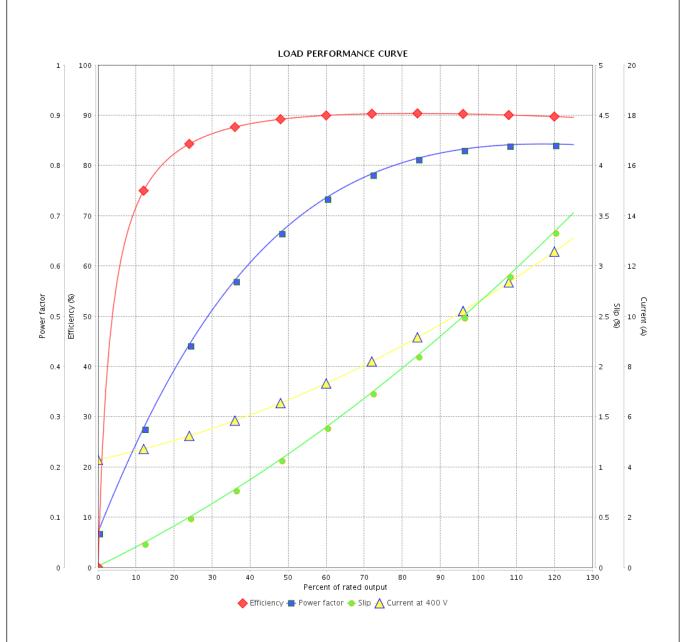
Product line : NEMA Premium Efficiency Three- Produ

Phase

Product code: 12598734

Catalog #: 00718ET3E213JP-W22

8 / 21



Performance : 400 V 50 Hz 4P IE3 : 10.5 A Rated current Moment of inertia (J) : 1.34 sq.ft.lb **LRC** : 6.2 Duty cycle : Cont.(S1) : 27.0 ft.lb Insulation class Rated torque : F Locked rotor torque : 190 % Service factor : 1.25 Breakdown torque : 270 % Temperature rise : 80 K Rated speed : 1460 rpm Design : B Rev. Performed Checked Date **Changes Summary** Performed by Checked by Revision Page

#### Three Phase Induction Motor - Squirrel Cage

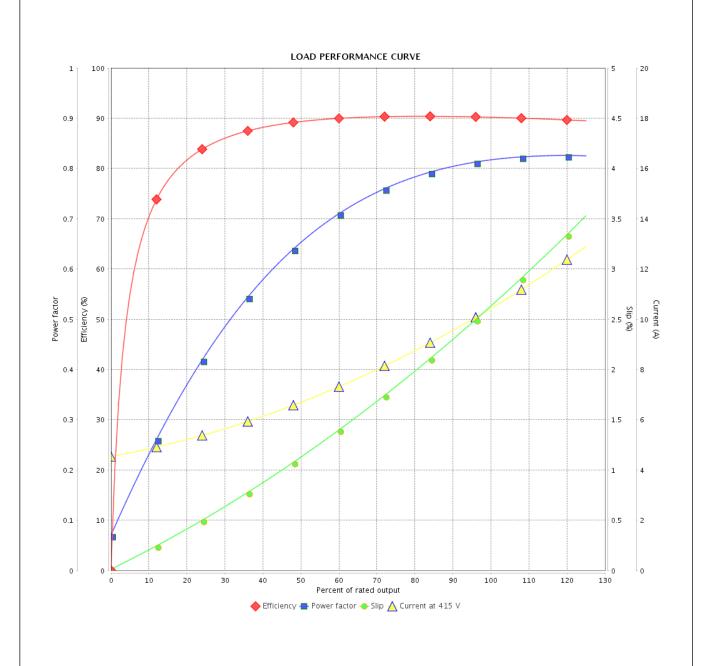


Customer

Product line : NEMA Premium Efficiency Three- Product code : 12598734

Phase

Catalog #: 00718ET3E213JP-W22



Performance	:	415 V 50 Hz 4P IE3				
Rated current	:	10.3 A	Moment o	f inertia (J)	: 1.34 sq.ft.lb	
LRC	:	6.7	Duty cycle	)	: Cont.(S1)	
Rated torque	:	27.0 ft.lb	Insulation	class	:F	
Locked rotor torque	e :	210 %	Service fa	ctor	: 1.25	
Breakdown torque	:	290 %	Temperati	ıre rise	: 80 K	
Rated speed	:	1460 rpm	Design		: B	
Rev.		Changes Summary	l .	Performed	Checked	Date
Performed by						
Checked by					Page	Revision
Date	13/04/2022				9 / 21	

### Three Phase Induction Motor - Squirrel Cage

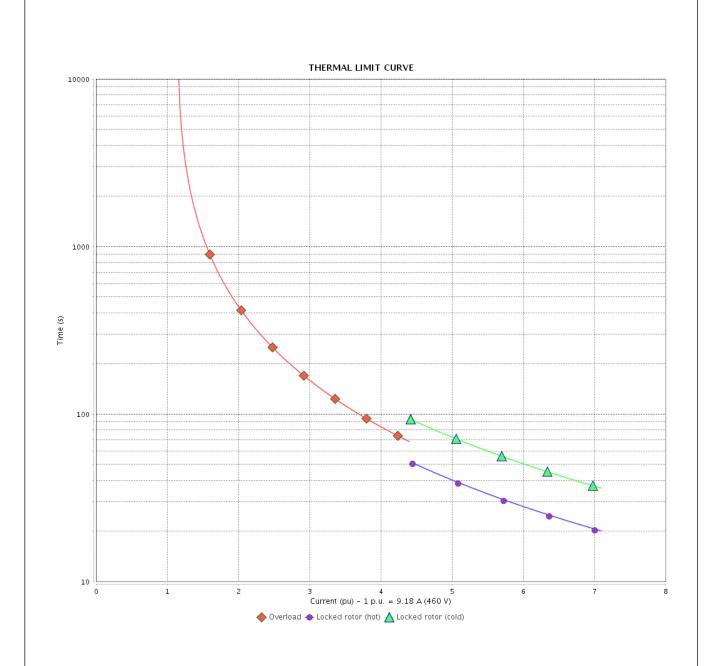


Customer	:					
Product line		NEMA Premium Efficiency hase		Product code :	12598734 00718ET3E21	3JP-W22
Performance		30/460 V 60 Hz 4P	D.A.	tt e c.	404 6"	
Rated current LRC Rated torque Locked rotor torqu	: 7. : 22	3.4/9.18 A 1 2.3 ft.lb 20 %	Moment of Duty cycle Insulation Service factors	class	: 1.34 sq.ft.lb : Cont.(S1) : F : 1.25	
Breakdown torque Rated speed	: 31	10 % 765 rpm	Temperatu Design		: 80 K : B	
Heating constant						
Cooling constant Rev.		Changes Summary		Performed	Checked	Date
NEV.		Changes Summary		renomilea	Checked	Date
Performed by						
Checked by					Page	Revision
D-1-	40/04/0000	I			40/04	

## Three Phase Induction Motor - Squirrel Cage



Customer



Rev.		Changes Summary	Performed	Checked	Date
Performed by					
Checked by				Page	Revision
Date	13/04/2022			11 / 21	

### Three Phase Induction Motor - Squirrel Cage

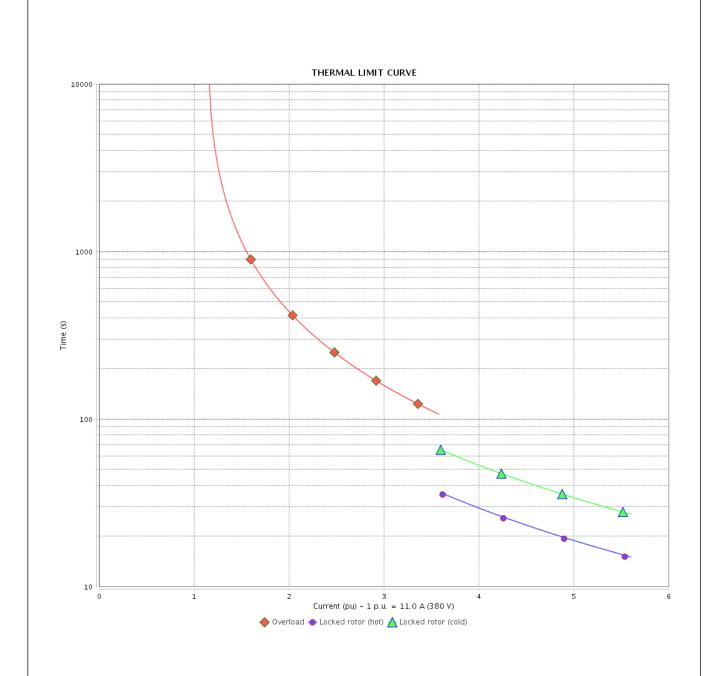


Customer		:				
Product line		: NEMA Premium Efficiency Phase		Product code : Catalog # :	12598734 00718ET3E2 <sup>2</sup>	3JP-W22
Performance		: 380 V 50 Hz 4P IE3				
Rated current LRC		: 11.0 A : 5.6	Moment of Duty cycle	of inertia (J)	: 1.34 sq.ft.lb : Cont.(S1)	
Rated torque		: 27.1 ft.lb	Insulation	class	: F	
Locked rotor tord Breakdown torqu		: 170 % : 240 %	Service fa Temperat		: 1.25 : 80 K	
Rated speed		: 1455 rpm	Design		: B	
Heating constan						
Cooling constant	t	Ohana o		D(	Ob. 1	
Rev.		Changes Summary		Performed	Checked	Date
Performed by						
Checked by					Page	Revision
Date	13/04/2022				12 / 21	

#### Three Phase Induction Motor - Squirrel Cage



Customer



Rev.		Changes Summary	Performed	Checked	Date
Performed by					
Checked by				Page	Revision
Date	13/04/2022			13 / 21	

### Three Phase Induction Motor - Squirrel Cage

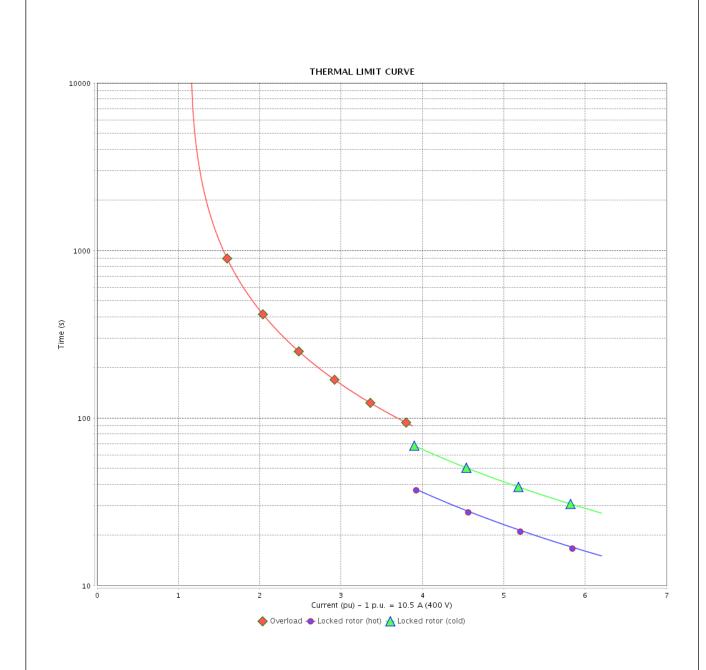


Customer	:					
Product line		NEMA Premium Efficiency hase		Product code :	12598734 00718ET3E2 <sup>2</sup>	3JP-W22
Performance		00 V 50 Hz 4P IE3	1			
Rated current LRC Rated torque	: 6. : 27	7.0 ft.lb	Moment of Duty cycle Insulation	f inertia (J) class	: 1.34 sq.ft.lb : Cont.(S1) : F	
Locked rotor torq Breakdown torqu Rated speed	e : 27	90 % 70 % 460 rpm	Service fa Temperatu Design		: 1.25 : 80 K : B	
Heating constant						
Cooling constant		Changes Commercial		Dorform	Charles	Data
Rev.		Changes Summary		Performed	Checked	Date
Performed by						
Checked by					Page	Revision
D-/	40/04/0000	1			44/04	

## Three Phase Induction Motor - Squirrel Cage



Customer



Rev.		Changes Summary	Performed	Checked	Date
Performed by					
Checked by				Page	Revision
Date	13/04/2022			15 / 21	

### Three Phase Induction Motor - Squirrel Cage

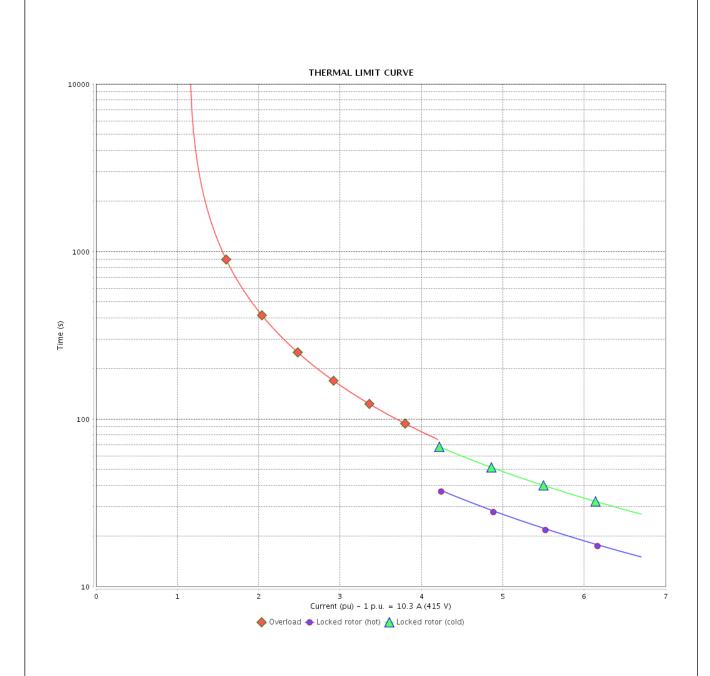


Customer		:				
Product line		: NEMA Premium Efficiency Phase		Product code : Catalog # :	12598734 00718ET3E21	3JP-W22
Performance		: 415 V 50 Hz 4P IE3		<b></b>		
Rated current LRC		: 10.3 A : 6.7	Duty cycle		: 1.34 sq.ft.lb : Cont.(S1)	
Rated torque Locked rotor tord		: 27.0 ft.lb : 210 %	Insulation Service fa		: F : 1.25	
Breakdown torqu	ue	: 290 %	Temperat		: 80 K	
Rated speed		: 1460 rpm	Design		: B	
Heating constant						
Cooling constant	t .	Changes Summary		Performed	Checked	Date
INEV.		Changes Summary		r chomiled	OHECKEU	Date
Performed by					I	
Checked by					Page	Revision
Date	13/04/2022				16 / 21	

## Three Phase Induction Motor - Squirrel Cage



Customer



Rev.		Changes Summary	Performed	Checked	Date
Performed by					
Checked by				Page	Revision
Date	13/04/2022	1		17 / 21	

#### Three Phase Induction Motor - Squirrel Cage



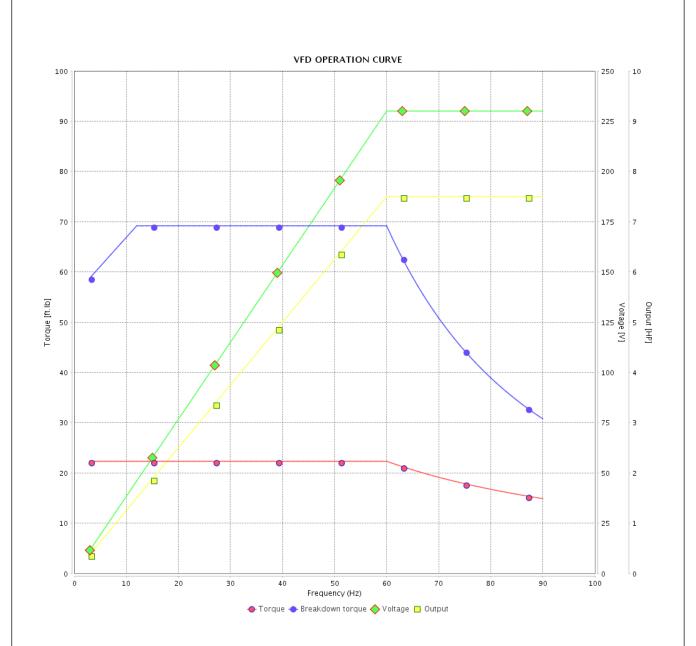
Customer :

Product line : NEMA Premium Efficiency Three- Product code :

Phase

Catalog #: 00718ET3E213JP-W22

12598734



Performance : 230/460 V 60 Hz 4P : 18.4/9.18 A Moment of inertia (J) : 1.34 sq.ft.lb Rated current **LRC** : Cont.(S1) : 7.1 Duty cycle : 22.3 ft.lb Insulation class : F Rated torque Locked rotor torque : 220 % Service factor : 1.25 Breakdown torque : 310 % Temperature rise : 80 K Rated speed : 1765 rpm Design : B

Rev.		Changes Summary	Performed	Checked	Date
Performed by					
Checked by				Page	Revision
Date	13/04/2022			18 / 21	

#### Three Phase Induction Motor - Squirrel Cage

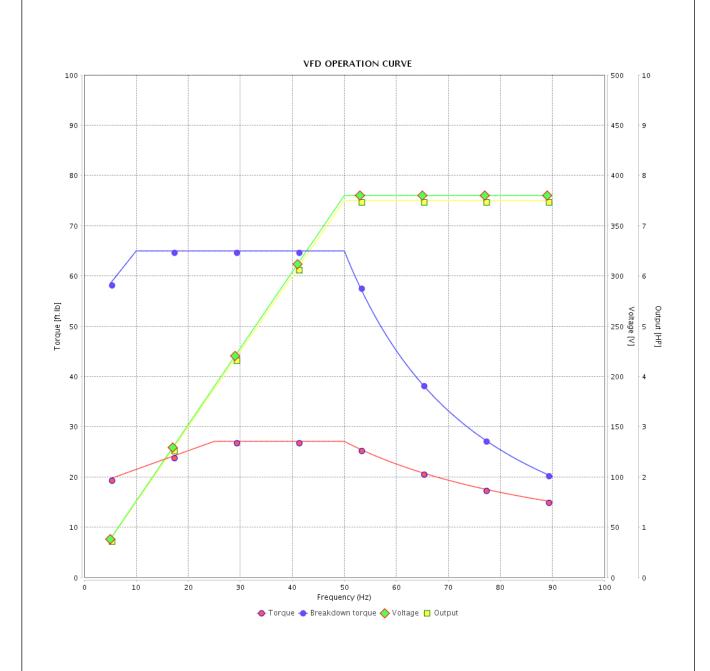


Customer

Product line : NEMA Premium Efficiency Three- Product code : 12598734

Phase

Catalog #: 00718ET3E213JP-W22



Performance	: 38	30 V 50 Hz 4P IE3				
Rated current	ed current : 11.0 A		Moment of	of inertia (J)	: 1.34 sq.ft.lb	
LRC	: 5.	6	, ,		: Cont.(S1)	
Rated torque	: 27	7.1 ft.lb	Insulation	class	: F	
Locked rotor torqu	ue : 17	70 %	Service fa	ictor	: 1.25	
Breakdown torque	: 24	40 %	7 Temperature rise		: 80 K	
Rated speed	: 14	155 rpm	Design		: B	
Rev.		Changes Summary		Performed	Checked	Date
Performed by						
Checked by					Page	Revision
Date	13/04/2022				19 / 21	

#### Three Phase Induction Motor - Squirrel Cage



Customer :

Checked by

Date

13/04/2022

Product line : NEMA Premium Efficiency Three-

Phase

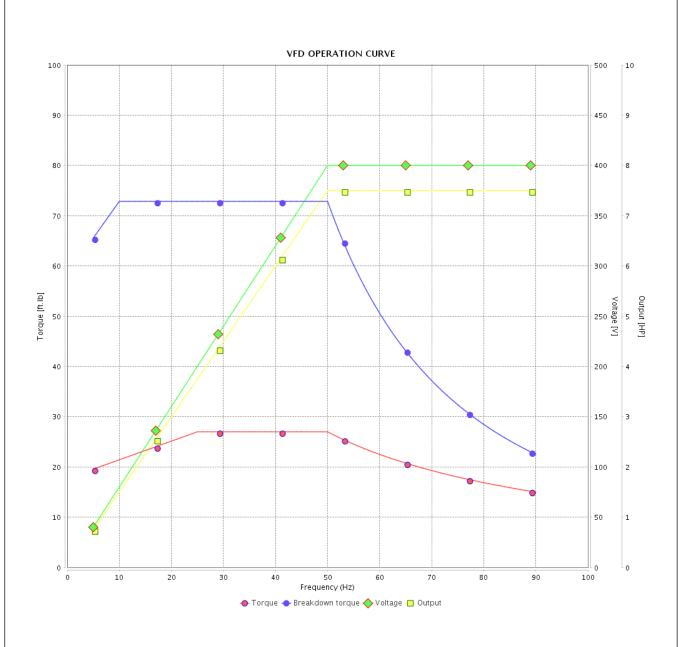
Product code: 12598734

Catalog # : 00718ET3E213JP-W22

Page

20 / 21

Revision



Performance	: 4	00 V 50 Hz 4P IE3				
Rated current : 10.5 A LRC : 6.2 Rated torque : 27.0 ft.lb Locked rotor torque : 190 % Breakdown torque : 270 % Rated speed : 1460 rpm		.2 7.0 ft.lb 90 % 70 %	Moment of inertia (J) : 1.34 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					·	

#### Three Phase Induction Motor - Squirrel Cage



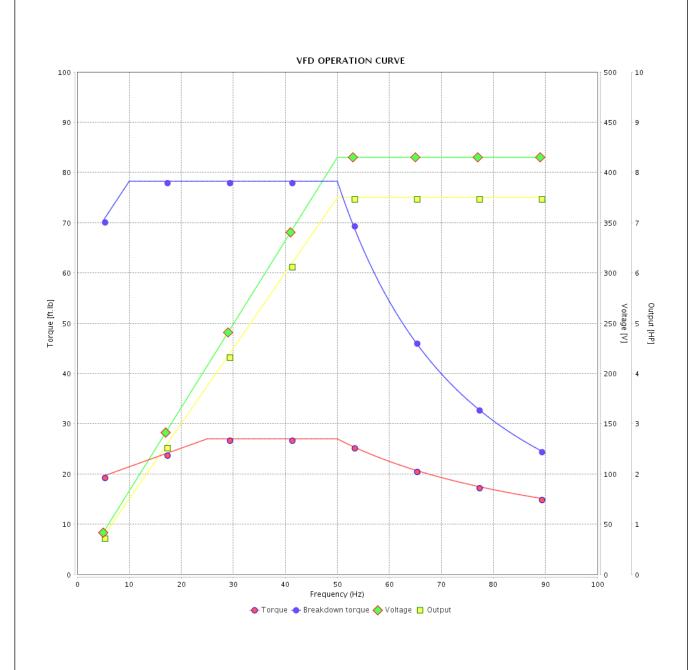
Customer

Product line : NEMA Premium Efficiency Three- Product code :

Phase

Catalog # : 00718ET3E213JP-W22

12598734



Performance	:	: 415 V 50 Hz 4P IE3					
Rated current	:	10.3 A	Moment o	Moment of inertia (J)			
LRC	:	6.7	Duty cycle	<b>;</b>	: Cont.(S1)		
Rated torque	:	27.0 ft.lb	Insulation	class	:F		
Locked rotor torque	e :	210 %	Service fa	ctor	: 1.25		
Breakdown torque	:	290 %	Temperati	Temperature rise		: 80 K	
Rated speed	:	1460 rpm	Design		: B		
Rev.	Rev. Changes Summary			Performed	Checked	Date	
Performed by							
Checked by					Page	Revision	
Date	13/04/2022				21 / 21		

