DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : NEMA Premium Efficiency Three- Product code : 11587597

Phase

Catalog #: 02018ET3E256JM-W22

Frame : 254/6JM 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 : 340 lb

Protection degree : IP55 | Moment of inertia (J) : 3.10 sq.ft.lb

Protection degree	9	: IP55		Momer	nt of inertia (J)	: 3	.10 sq.ft.lb	
Design		: B						
Output [HP]		20	15	15	15	20	20	20
Poles		4	4	4	4	4	4	4
Frequency [Hz]		60	50	50	50	50	50	50
Rated voltage [V]		230/460	380	400	415	380	400	415
Rated current [A]		48.2/24.1	21.8	21.2	20.6	29.4	28.0	27.1
L. R. Amperes [A]		333/166	161	167	173	168	174	179
LRC [A]		6.9x(Code H)	7.4x(Code H)	7.9x(Code J)	8.4x(Code K)	5.7x(Code F)	6.2x(Code G)	6.6x(Code H)
No load current [A]		19.2/9.60	9.90	10.5	11.0	9.90	10.5	11.0
Rated speed [RPM]	1770	1470	1475	1477	1455	1460	1465
Slip [%]		1.67	2.00	1.67	1.53	3.00	2.67	2.33
Rated torque [ft.lb]		59.3	53.6	53.4	53.3	72.2	71.9	71.7
Locked rotor torque	e [%]	240	250	280	300	190	210	229
Breakdown torque	[%]	260	290	320	340	210	229	260
Service factor		1.25	1.00	1.00	1.00	1.00	1.00	1.00
Temperature rise		80 K	80 K	80 K	80 K	105 K	105 K	105 K
Locked rotor time		27s (cold)	21s (cold)	25s (cold)	25s (cold)	21s (cold)	25s (cold)	25s (cold)
		15s (hot)	12s (hot)	14s (hot)	14s (hot)	12s (hot)	14s (hot)	14s (hot)
Noise level ²		64.0 dB(A)	61.0 dB(A)	61.0 dB(A)	61.0 dB(A)	61.0 dB(A)	61.0 dB(A)	61.0 dB(A)
	25%							
Efficiency (%)	50%	91.7	91.0	89.8	89.8	91.7	91.0	91.0
Linciency (70)	75%	92.4	91.5	91.0	91.3	91.0	91.0	91.7
	100%	93.0	91.4	91.4	91.7	90.2	91.0	91.7
	25%							
Power Factor	50%	0.68	0.65	0.62	0.60	0.75	0.72	0.70
FUWEI FACIOI	75%	0.79	0.78	0.75	0.73	0.83	0.81	0.80
	100%	0.84	0.84	0.82	0.81	0.86	0.85	0.84

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

Bearing type : 6309 C3 6209 C3 Max. traction : 724 lb
Sealing : V'Ring V'Ring Lubrication interval : 20000 h 20000 h

Lubricant amount : 13 g 9 g Lubricant type : Mobil Polyrex EM

Notes

USABLE @208V 53.3A SF 1.15 SFA 61.3A

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	14/04/2022			1 / 36	

Three Phase Induction Motor - Squirrel Cage

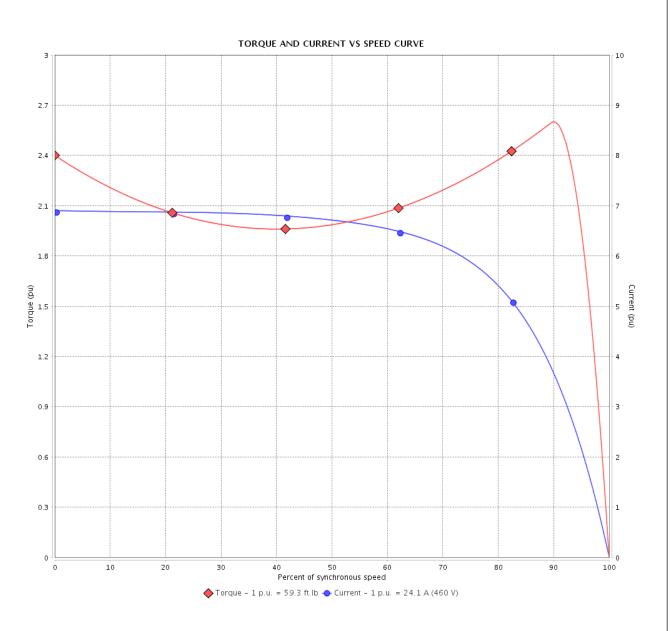


Customer

Product line : NEMA Premium Efficiency Three-Product code:

Catalog #: 02018ET3E256JM-W22

11587597



Performance : 230/460 V 60 Hz 4P Rated current : 48.2/24.1 A Moment of inertia (J) : 3.10 sq.ft.lb **LRC** : 6.9 Duty cycle : Cont.(S1) Insulation class Rated torque : 59.3 ft.lb : F Locked rotor torque : 240 % Service factor : 1.25 Breakdown torque : 260 % Temperature rise : 80 K Rated speed : 1770 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			2 / 36	



Three Phase Induction Motor - Squirrel Cage Customer Product line : NEMA Premium Efficiency Three-Product code: 11587597 Catalog #: 02018ET3E256JM-W22 TORQUE AND CURRENT VS SPEED CURVE

2.1				•						
1.8										
1.5										
3 1.3										
1.2										
0.9										
0.5										
0.6										
									\	$\ \ $
0.3										
٥٠	10	20	30	40	50 t of synchronous	60	70	80	90	100

Performance : 380 V 50 Hz 4P IE3 Rated current : 21.8 A Moment of inertia (J) : 3.10 sq.ft.lb LRC : 7.4 Duty cycle : Cont.(S1) : 53.6 ft.lb Insulation class : F Rated torque : 250 % Locked rotor torque Service factor : 1.00 Breakdown torque : 290 % Temperature rise : 80 K : B Rated speed : 1470 rpm Design Locked rotor time : 21s (cold) 12s (hot)

Rev.		Changes Summary	Performed	Checked	Date
Performed by					
Checked by				Page	Revision
Date	14/04/2022			3 / 36	

Three Phase Induction Motor - Squirrel Cage

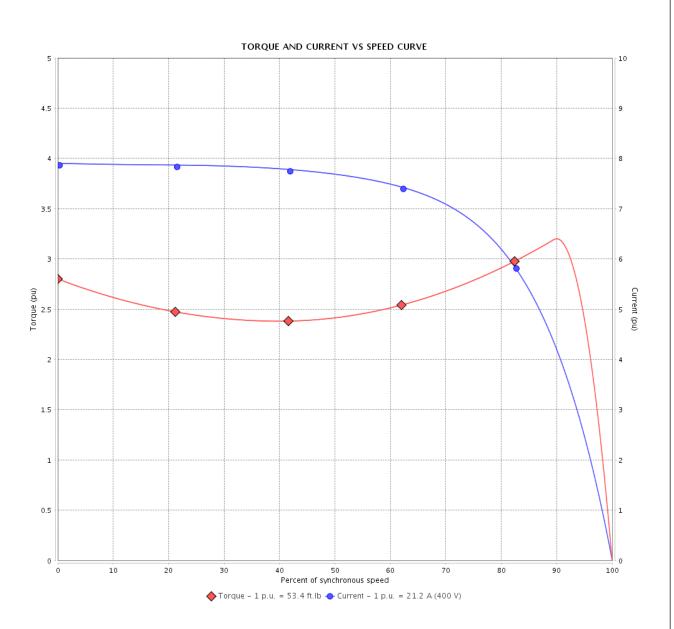


Customer :

Product line : NEMA Premium Efficiency Three- Product code : 11587597

Phase

Catalog #: 02018ET3E256JM-W22



Performance	: 400 V 50 Hz 4P IE3			
Rated current LRC Rated torque Locked rotor torque Breakdown torque Rated speed	: 21.2 A : 7.9 : 53.4 ft.lb : 280 % : 320 % : 1475 rpm	Moment of inertia (J) Duty cycle Insulation class Service factor Temperature rise Design	: 3.10 sq.ft.lb : Cont.(S1) : F : 1.00 : 80 K : B	

Locked rotor time : 25s (cold) 14s (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: 11587597 Catalog #: 02018ET3E256JM-W22 TORQUE AND CURRENT VS SPEED CURVE 4.5 3.5 Torque (pu) 40 50 -Percent of synchronous speed ◆ Torque - 1 p.u. = 53.3 ft.lb ◆ Current - 1 p.u. = 20.6 A (415 V) Performance : 415 V 50 Hz 4P IE3 : 3.10 sq.ft.lb Moment of inertia (J) Rated current : 20.6 A

LRC	: 8.4		Duty cyc	le	: Cont.(S1)	
Rated torque	: 53	3.3 ft.lb	Insulatio	n class	: F	
				Service factor Temperature rise	: 1.00	
					: 80 K	
• • • • • • • • • • • • • • • • • • •		177 rpm	Design		: B	
Locked rotor time	e : 2	5s (cold) 14s (ho	t)			
Rev.		Changes Summ	nary	Performed	Checked	Date
Performed by						
Checked by					Page	Revision
Date	14/04/2022				5 / 36	

Three Phase Induction Motor - Squirrel Cage



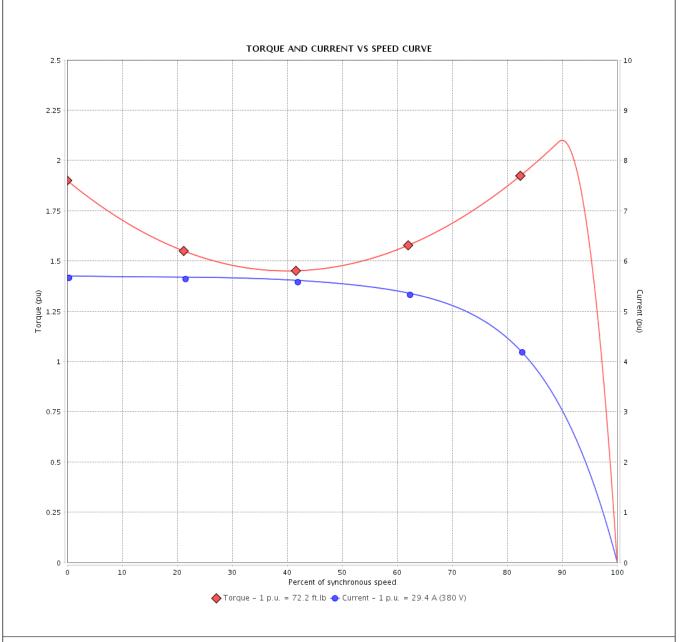
Customer :

Product line : NEMA Premium Efficiency Three-

Phase

Product code: 11587597

Catalog #: 02018ET3E256JM-W22



Performance : 380 V 50 Hz 4P IE1 Rated current : 29.4 A Moment of inertia (J) : 3.10 sq.ft.lb **LRC** : 5.7 Duty cycle : Cont.(S1) : 72.2 ft.lb Insulation class Rated torque : F Service factor Locked rotor torque : 190 % : 1.00 Breakdown torque : 210 % Temperature rise : 105 K

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

: 1455 rpm

Rated speed

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

Design

: B

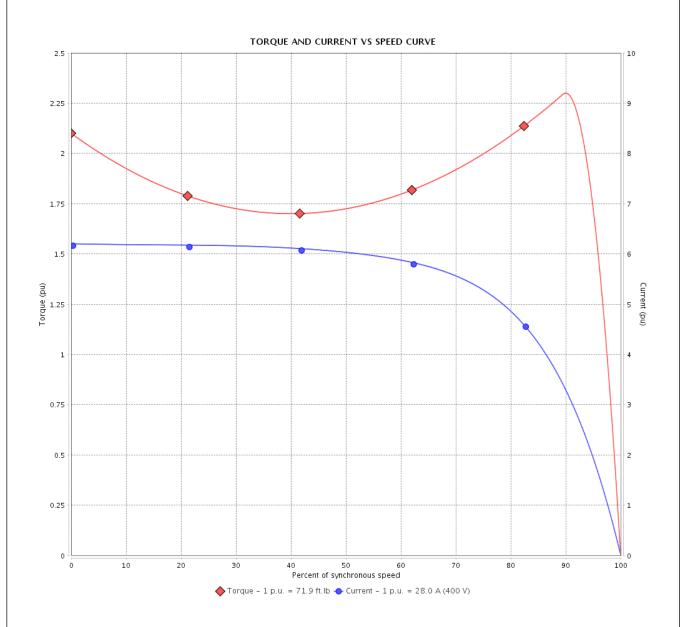
Three Phase Induction Motor - Squirrel Cage



Customer

Product line : NEMA Premium Efficiency Three-Product code: 11587597

Catalog #: 02018ET3E256JM-W22



Performance	: 400 V 50 Hz 4P IE2		
Rated current	: 28.0 A	Moment of inertia (J)	: 3.10 sq.ft.lb
LRC	: 6.2	Duty cycle	: Cont.(S1)
Rated torque	: 71.9 ft.lb	Insulation class	:F
Locked rotor torque	: 210 %	Service factor	: 1.00
Breakdown torque	: 229 %	Temperature rise	: 105 K
Rated speed	: 1460 rpm	Design	: B
Locked rotor time	: 25s (cold) 14s (hot)		

LOCKCO TOTOL UITIN	. 2	03 (cold) 143 (flot)			
Rev.		Changes Summary	Performed	Checked	Date
Performed by					
Checked by				Page	Revision
Date	14/04/2022			7 / 36	

Three Phase Induction Motor - Squirrel Cage

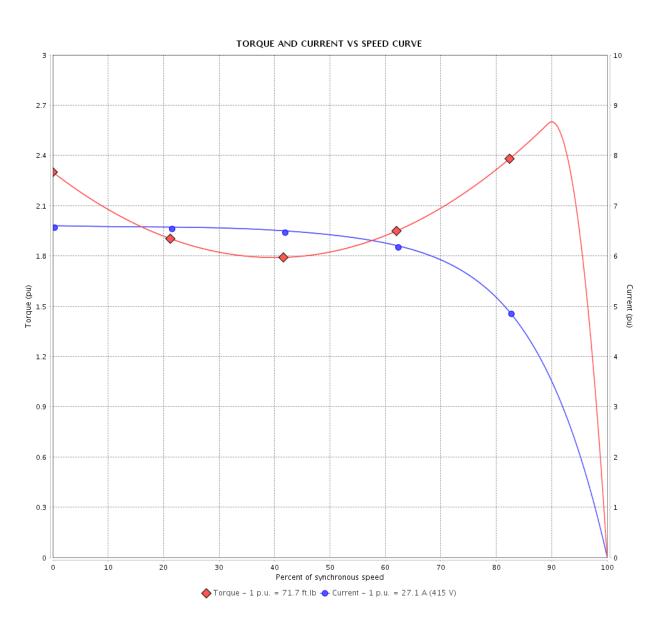


Customer :

Product line : NEMA Premium Efficiency Three- Product code : 11587597

Phase

Catalog #: 02018ET3E256JM-W22



Performance	: 415 V 50 Hz 4P IE2			
Rated current LRC Rated torque Locked rotor torque Breakdown torque Rated speed	: 27.1 A : 6.6 : 71.7 ft.lb : 229 % : 260 % : 1465 rpm	Moment of inertia (J) Duty cycle Insulation class Service factor Temperature rise Design	: 3.10 sq.ft.lb : Cont.(S1) : F : 1.00 : 105 K : B	
Locked rotor time	: 25s (cold) 14s (hot)			

LOCKCO TOTOL UITK	. 2.	03 (0014) 143 (1101)			
Rev.		Changes Summary	Performed	Checked	Date
Performed by					
Checked by				Page	Revision
Date	14/04/2022			8 / 36	

Three Phase Induction Motor - Squirrel Cage

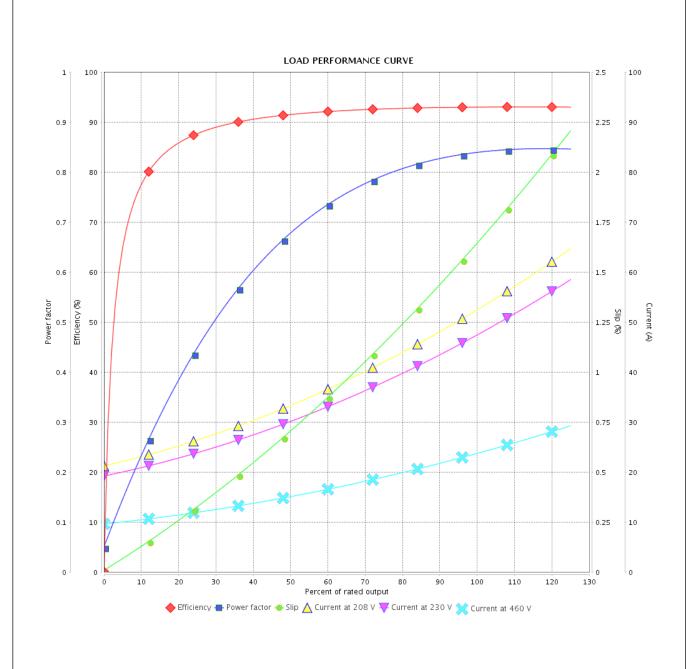


Customer

Product line : NEMA Premium Efficiency Three- Product code : 11587597

Phase

Catalog #: 02018ET3E256JM-W22



Performance	: 2	230/460 V 60 Hz 4P				
Rated current	: 4	48.2/24.1 A	Moment o	f inertia (J)	: 3.10 sq.ft.lb	
LRC	: (3.9	Duty cycle	;	: Cont.(S1)	
Rated torque	:	59.3 ft.lb	Insulation	class	: F	
Locked rotor torque	e : 2	240 %	Service fa	ctor	: 1.25	
Breakdown torque	: 2	260 %	Temperature rise		: 80 K	
Rated speed	: '	1770 rpm	Design		: B	
Rev.		Changes Summary		Performed	Checked	Date
Performed by						
Checked by					Page	Revision
Data	14/04/2022				9 / 36	

Three Phase Induction Motor - Squirrel Cage



Customer :

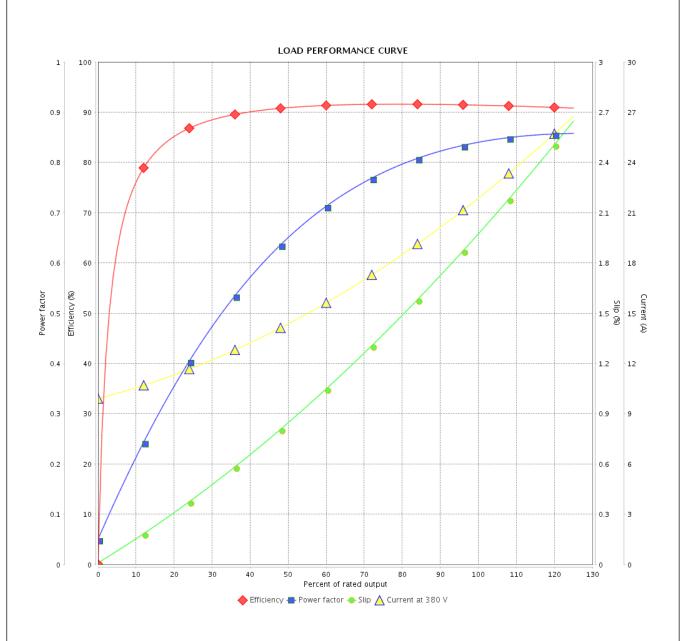
Product line : NEMA Premium Efficiency Three-

Phase

Product code: 11587597

Catalog #: 02018ET3E256JM-W22

10/36



Performance	: 380 V 50 Hz 4P IE3				
Rated current LRC	: 21.8 A : 7.4	Moment of inertia (J) Duty cycle		: 3.10 sq.ft.lb : Cont.(S1)	
Rated torque Locked rotor torque Breakdown torque	: 53.6 ft.lb : 250 % : 290 %	Insulation class Service factor Temperature rise		: F : 1.00 : 80 K	
Rated speed	: 1470 rpm	Design			
Rev.	Changes Summary		Performed	Checked	Date
Performed by					
Checked by				Page	Revision

14/04/2022

Date

Three Phase Induction Motor - Squirrel Cage

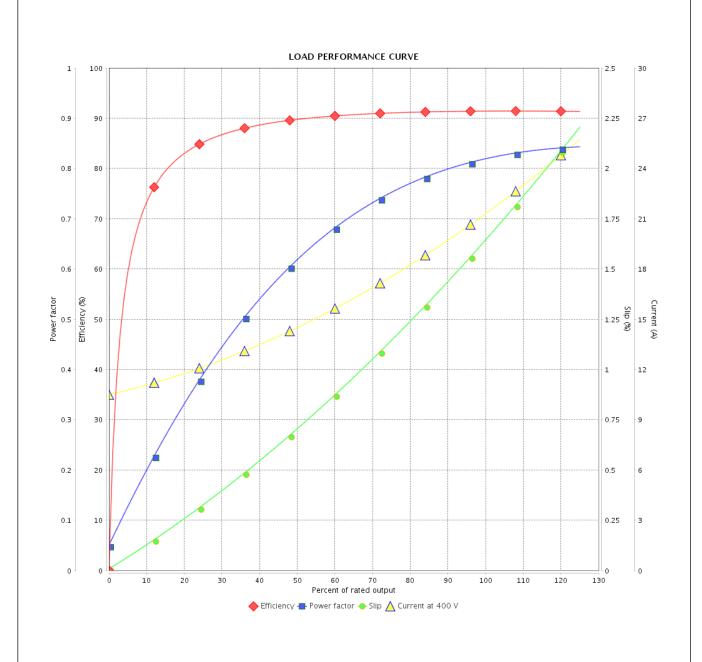


Customer

Product line : NEMA Premium Efficiency Three- Product code : 11587597

Phase

Catalog #: 02018ET3E256JM-W22



Performance	: 4	100 V 50 Hz 4P IE3				
Rated current	: 2	21.2 A	Moment o	f inertia (J)	: 3.10 sq.ft.lb	
LRC	: 7	7.9	Duty cycle	}	: Cont.(S1)	
Rated torque	: 5	53.4 ft.lb	Insulation	class	: F	
Locked rotor torqu	ie : 2	280 %	Service fa	ctor	: 1.00	
Breakdown torque		320 %	Temperature rise		: 80 K	
Rated speed	: 1	1475 rpm	Design		: B	
Rev.		Changes Summa	ry	Performed	Checked	Date
Performed by						
Checked by					Page	Revision
Date	14/04/2022				11 / 36	

Three Phase Induction Motor - Squirrel Cage



Revision

Page

12/36

Customer :

Checked by

Date

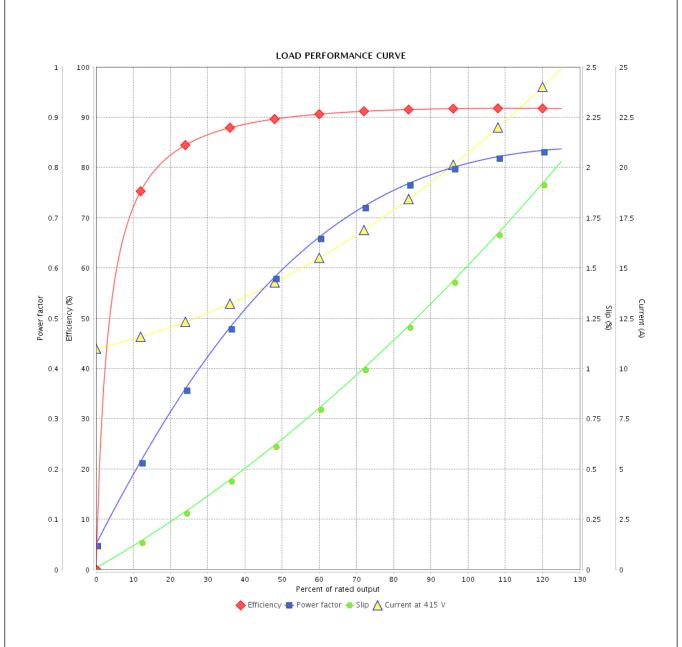
14/04/2022

Product line : NEMA Premium Efficiency Three- F

Phase

Product code: 11587597

Catalog #: 02018ET3E256JM-W22



Performance : 415 V 50 Hz 4P IE3 : 20.6 A Rated current Moment of inertia (J) : 3.10 sq.ft.lb **LRC** : 8.4 Duty cycle : Cont.(S1) : 53.3 ft.lb Insulation class Rated torque : F Locked rotor torque : 300 % Service factor : 1.00 Breakdown torque : 340 % Temperature rise : 80 K Rated speed : 1477 rpm Design : B Rev. Performed Checked Date **Changes Summary** Performed by

Three Phase Induction Motor - Squirrel Cage

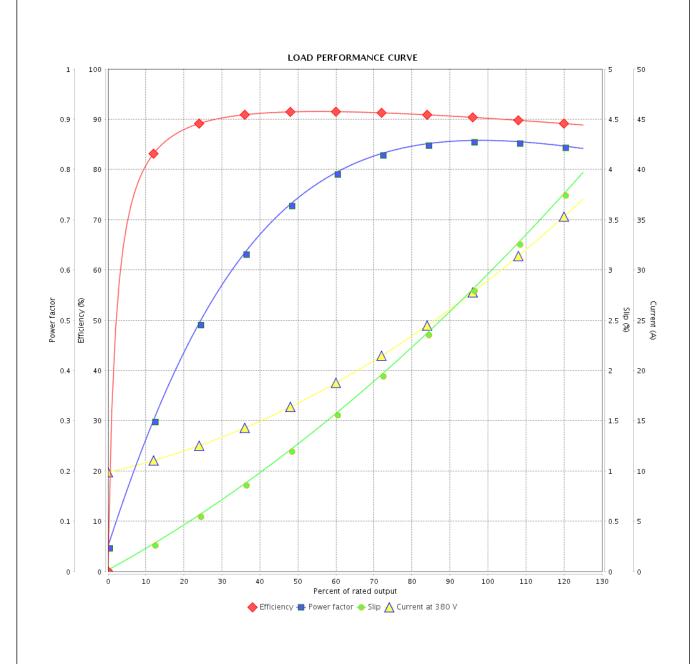


Customer

Product line : NEMA Premium Efficiency Three- Product code : 11587597

Phase

Catalog #: 02018ET3E256JM-W22



Performance	:	380 V 50 Hz 4P IE1					
Rated current	:	29.4 A	Moment o	f inertia (J)	: 3.10 sq.ft.lb		
LRC	:	5.7	Duty cycle	;	: Cont.(S1)		
Rated torque	:	72.2 ft.lb	Insulation	class	: F		
Locked rotor torque :		190 %	Service fa	ctor	: 1.00		
Breakdown torque		210 %	Temperati	Temperature rise		: 105 K	
Rated speed		455 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 :

Checked by

Date

14/04/2022

Product line : NEMA Premium Efficiency Three- Product code :

Phase

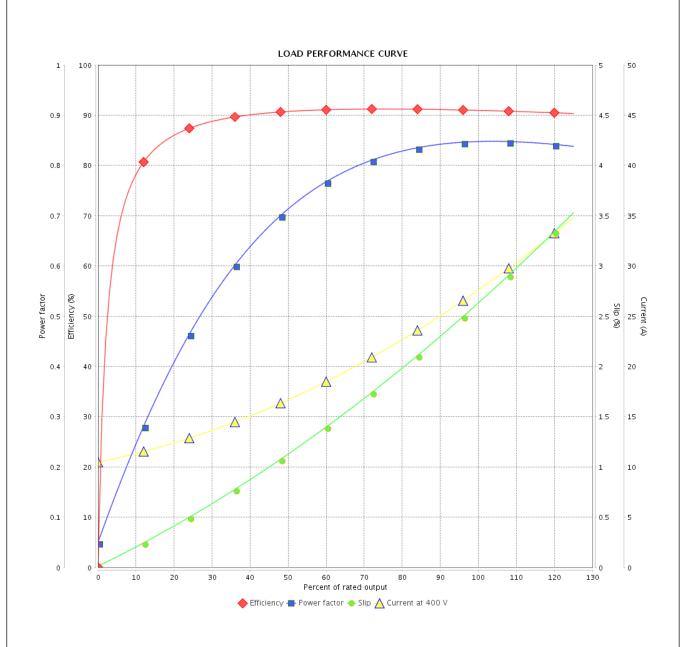
Product code: 11587597

Catalog #: 02018ET3E256JM-W22

Page

14/36

Revision



Performance : 400 V 50 Hz 4P IE2 : 28.0 A Rated current Moment of inertia (J) : 3.10 sq.ft.lb **LRC** Duty cycle : Cont.(S1) : 6.2 : 71.9 ft.lb Insulation class Rated torque : F Locked rotor torque : 210 % Service factor : 1.00 Breakdown torque : 229 % Temperature rise : 105 K Rated speed : 1460 rpm Design : B Rev. Performed Checked Date **Changes Summary** Performed by

Three Phase Induction Motor - Squirrel Cage



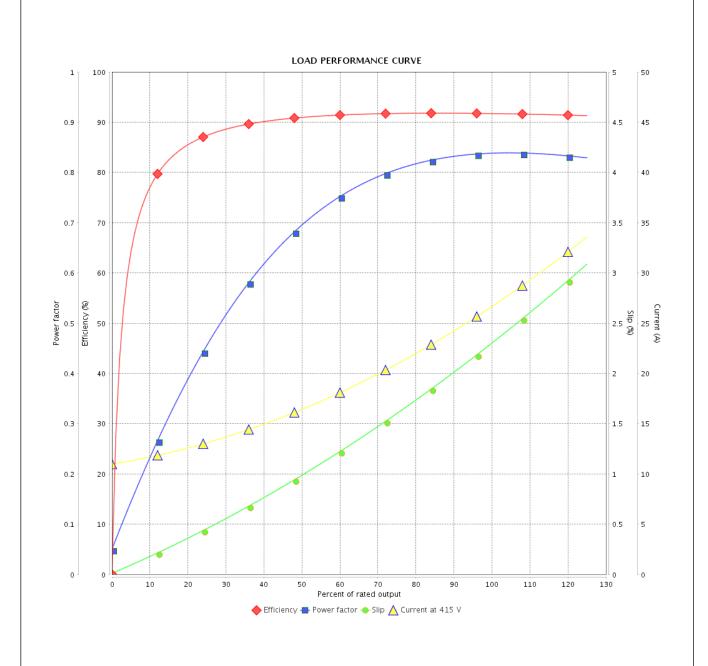
Customer

Product line : NEMA Premium Efficiency Three- Product code : 11587597

Phase

Catalog #: 02018ET3E256JM-W22

15/36



Performance	: 415 V 50 Hz 4P IE2				
Rated current LRC Rated torque Locked rotor torque Breakdown torque Rated speed	: 27.1 A : 6.6 : 71.7 ft.lb : 229 % : 260 % : 1465 rpm	Moment of i Duty cycle Insulation cl Service fact Temperature Design	ass or	: 3.10 sq.ft.lb : Cont.(S1) : F : 1.00 : 105 K : B	
Rev.	Changes Summary		Performed	Checked	Date
Performed by					
Checked by				Page	Revision

14/04/2022

Date

Three Phase Induction Motor - Squirrel Cage

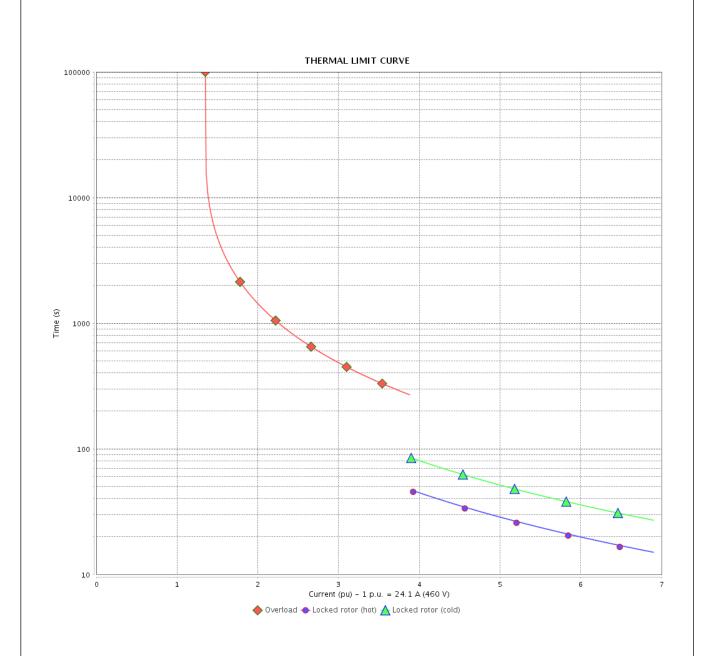


Customer	:	:				
Product line		NEMA Promium Efficience	Thros	Droduct code :	11507507	
Product line		: NEMA Premium Efficiency ⁻ Phase		Product code :	11587597	
				Catalog # :	02018ET3E25	66JM-W22
Performance		230/460 V 60 Hz 4P		<u> </u>		
Rated current LRC		48.2/24.1 A 6.9	Moment on Duty cycle	of inertia (J)	: 3.10 sq.ft.lb : Cont.(S1)	
Rated torque	: :	59.3 ft.lb	Insulation	class	: F	
Locked rotor tord Breakdown torqu		240 % 260 %	Service fa Temperati		: 1.25 : 80 K	
Rated speed		1770 rpm	Design		: B	
Heating constan	t					
Cooling constant						
Rev.		Changes Summary		Performed	Checked	Date
Danfarra - 11						
Performed by Checked by					Paga	Revision
Date	14/04/2022				Page 16 / 36	1764191011
Date	17/07/4044	1			10 / 00	

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

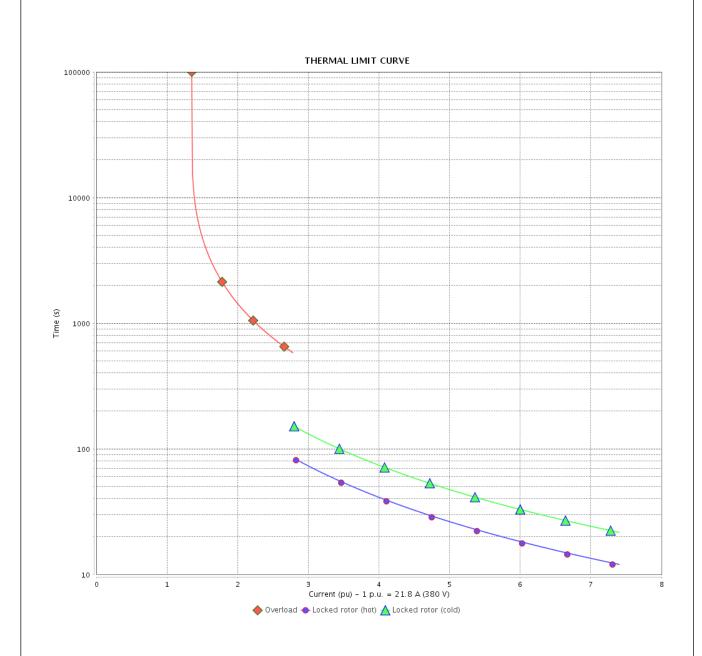


Customer	:					
Product line		NEMA Premium Efficiency	Three-	Product code :	11587597	
	PI	hase		Catalog # :	02018ET3E2	56JM-W22
Performance		80 V 50 Hz 4P IE3				
Rated current LRC	: 2´ : 7.	1.8 A 4	Moment o	f inertia (J)	: 3.10 sq.ft.lb : Cont.(S1)	
Rated torque	: 53	3.6 ft.lb	Insulation	class	: F	
Locked rotor torque Breakdown torque		50 % 90 %	Service fa Temperatu		: 1.00 : 80 K	
Rated speed		470 rpm	Design	110 113 0	: B	
Heating constant						
Cooling constant						
Rev.		Changes Summary		Performed	Checked	Date
Porformed by						
Performed by Checked by		_			Page	Revision
Ollecked by	1.1/0.1/0.00	_			1 aye	17041910[]

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

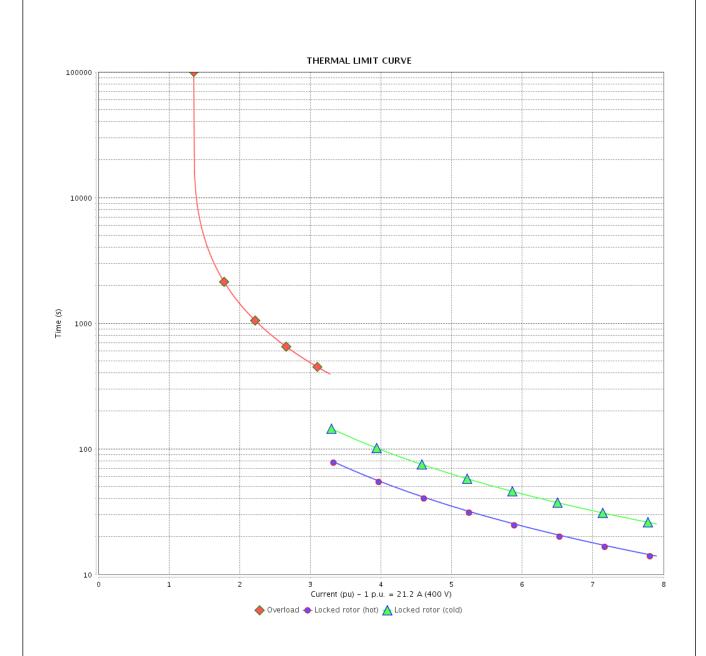


Customer	:					
Product line		NEMA Premium Efficiency	Three-	Product code :	11587597	
	Pł	nase		Catalog # :	02018ET3E2	56JM-W22
Performance	· 40	00 V 50 Hz 4P IE3				
Rated current		1.2 A	Moment of	f inertia (J)	: 3.10 sq.ft.lb	
LRC	: 7.	9	Duty cycle	;	: Cont.(S1)	
Rated torque Locked rotor torc		3.4 ft.lb 30 %	Insulation Service fa		: F : 1.00	
Breakdown torqu	ie : 32	20 %	Temperatu		: 80 K	
Rated speed	: 14	175 rpm	Design		: B	
Heating constant						
Cooling constant Rev.		Changes Summers	T	Performed	Checked	Date
rev.		Changes Summary		renomea	Checked	Date
Performed by						
Checked by					Page	Revision
D.:	4.4/0.4/0.000				00/00	

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

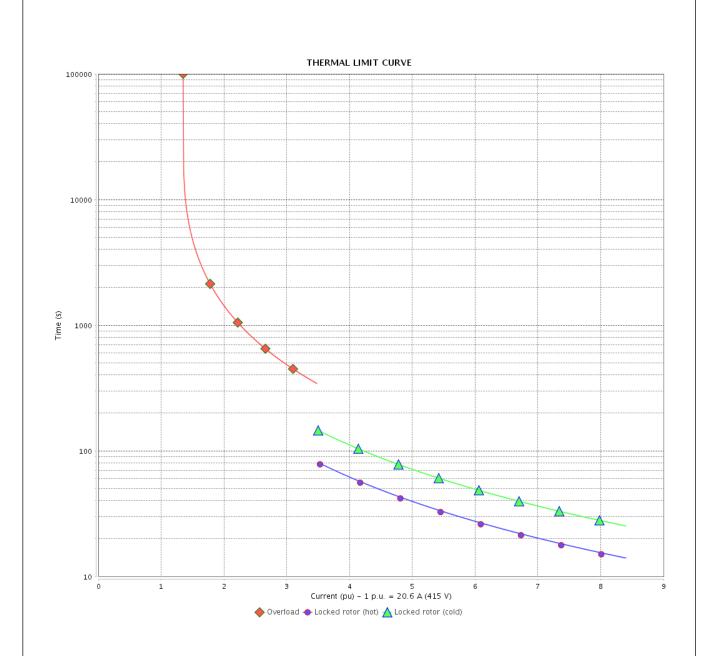


Customer		:				
Product line		: NEMA Premium Efficiency [*] Phase		Product code : Catalog # :	11587597 02018ET3E25	6JM-W22
Performance		: 415 V 50 Hz 4P IE3				
Rated current LRC		20.6 A 8.4	Duty cycle		: 3.10 sq.ft.lb : Cont.(S1)	
Rated torque Locked rotor tord	que :	: 53.3 ft.lb : 300 %	Insulation Service fa	ctor	: F : 1.00	
Breakdown torqu Rated speed		: 340 % : 1477 rpm	Temperati Design	ure rise	: 80 K : B	
Heating constant						
Cooling constant Rev.		Changes Summary		Performed	Checked	Date
D(-						
Performed by Checked by		_			Page	Revision
Date	14/04/2022				22 / 36	INCAIGIOII

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

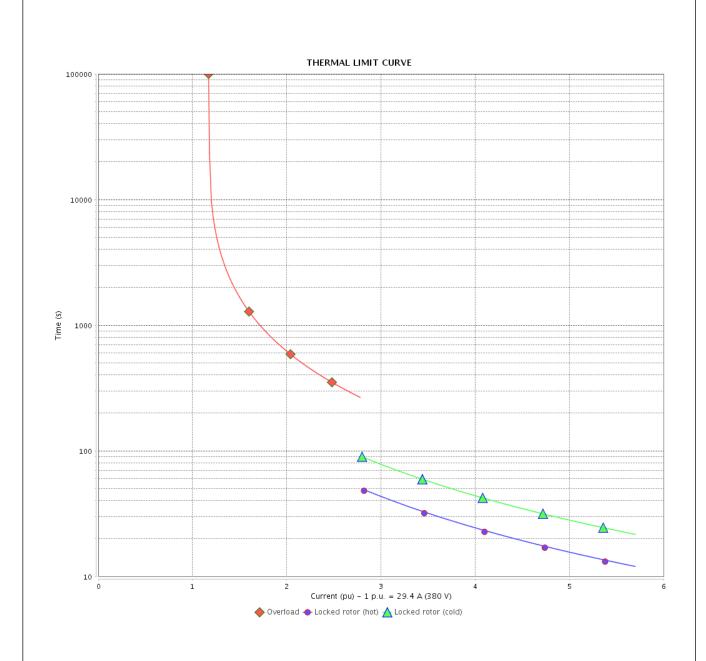


				, -	
Customer	:				
Product line	: NEMA Premium Efficiency Phase		Product code :	11587597	
			Catalog # :	02018ET3E2	56JM-W22
Performance	: 380 V 50 Hz 4P IE1				
Rated current LRC Rated torque Locked rotor torque Breakdown torque Rated speed	: 29.4 A : 5.7 : 72.2 ft.lb : 190 % : 210 % : 1455 rpm	Moment o Duty cycle Insulation Service fa Temperatu Design	class ctor	: 3.10 sq.ft.lb : Cont.(S1) : F : 1.00 : 105 K : B	
	•	- 3			
Heating constant					
Cooling constant Rev.	Changes Summani		Performed	Checked	Date
Nev.	Changes Summary		renonnea	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	14/04/2022			25 / 36	

Three Phase Induction Motor - Squirrel Cage

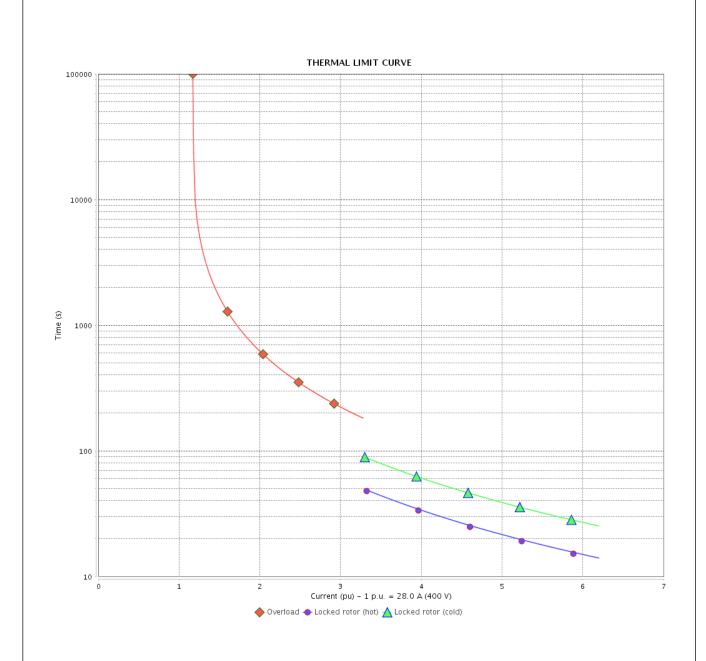


		•				
Customer	:					
Product line		NEMA Premium Efficiency	Three-	Product code :	11587597	
	F	mase		Catalog # :	02018ET3E2	256JM-W22
Performance		100 V 50 Hz 4P IE2	h4	ft t · · / D	0.40	
Rated current LRC		28.0 A 3.2	Moment o Duty cycle	of inertia (J)	: 3.10 sq.ft.lb : Cont.(S1)	
Rated torque	: 7	1.9 ft.lb	Insulation	class	: F	
Locked rotor torq		210 % 229 %	Service fa		: 1.00 : 105 K	
Breakdown torqu		229 % 1460 rpm	Temperati Design	ure rise	: 105 K : B	
Rated speed		TOO IPIII			. –	
		1400 Ipili	3			
Rated speed Heating constant	<u> </u>	1400 Ipili	3			
Heating constant	<u> </u>		3.3	Performed		Nata
Heating constant	<u> </u>	Changes Summary	3.3	Performed	Checked	Date
Heating constant Cooling constant Rev.	<u> </u>			Performed		Date
Heating constant	<u> </u>			Performed		Date Revision

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

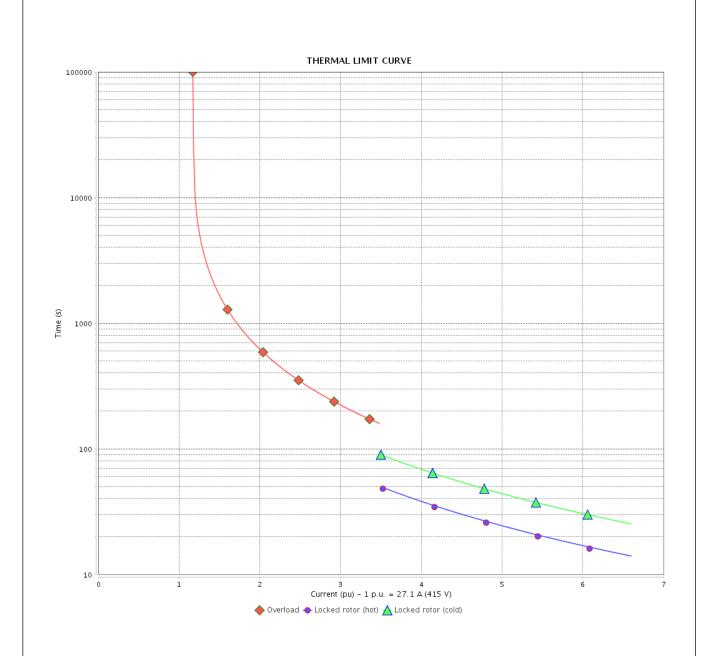


Customer		:				
Product line		: NEMA Premium Efficiency Phase		Product code : Catalog # :	11587597 02018ET3E25	66JM-W22
Performance	:	: 415 V 50 Hz 4P IE2				
Rated current LRC	:	27.1 A : 6.6	Duty cycle		: 3.10 sq.ft.lb : Cont.(S1)	
Rated torque Locked rotor torq		: 71.7 ft.lb : 229 %	Insulation Service fa		: F : 1.00	
Breakdown torqu Rated speed	ie :	: 260 % : 1465 rpm	Temperati Design	ure rise	: 105 K : B	
Heating constant						
Cooling constant	t	Change Cours		Dest	Charles	D-4-
Rev.		Changes Summary		Performed	Checked	Date
Performed by				1		
Checked by	14/04/2022				Page 28 / 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			29 / 36	

Three Phase Induction Motor - Squirrel Cage



Customer :

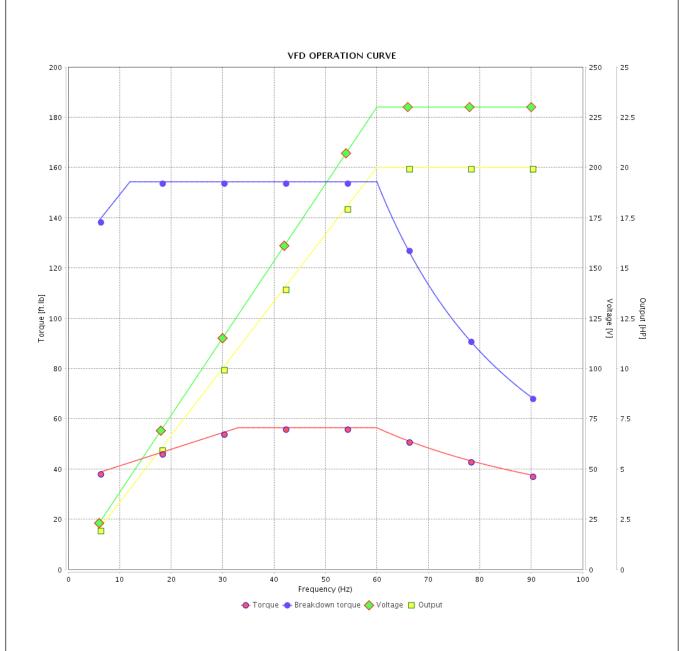
Product line : NEMA Premium Efficiency Three-

Phase

Product code: 11587597

Catalog #: 02018ET3E256JM-W22

30 / 36



Performance	: 23	30/460 V 60 Hz 4P				
Rated current LRC Rated torque Locked rotor tord Breakdown torqu Rated speed	: 6. : 59 que : 24 ue : 26	3.2/24.1 A 9 9.3 ft.lb 40 % 60 % 770 rpm	Moment of Duty cycl Insulation Service fa Temperat Design	class actor	: 3.10 sq.ft.lb : Cont.(S1) : F : 1.25 : 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



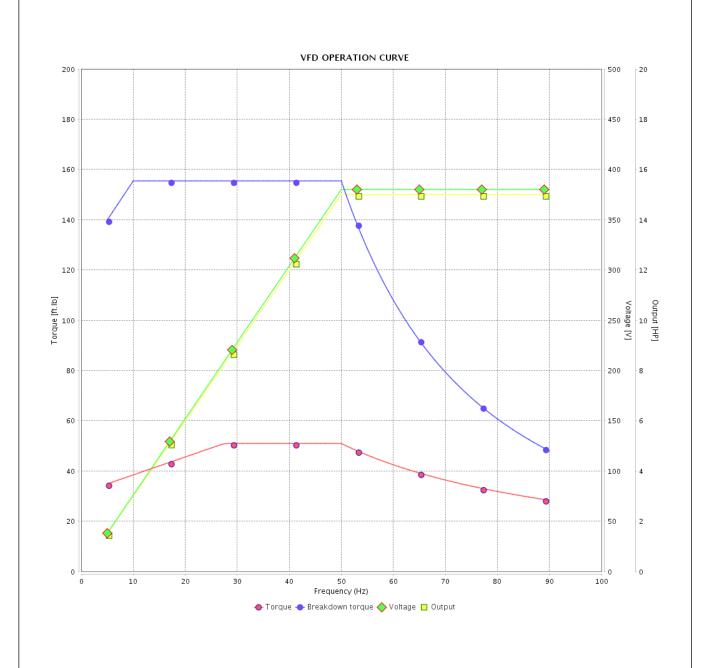
Customer

Product line : NEMA Premium Efficiency Three- Produ

Phase

Product code: 11587597

Catalog #: 02018ET3E256JM-W22



Performance	: 3	80 V 50 Hz 4P IE3				
Rated current	: 2	: 21.8 A		f inertia (J)	: 3.10 sq.ft.lb	
LRC	: 7	.4	Duty cycle)	: Cont.(S1)	
Rated torque	: 5	3.6 ft.lb	Insulation	class	: F	
Locked rotor torqu	ie : 2	50 %	Service fa	ctor	: 1.00	
Breakdown torque	: 2	90 %	Temperature rise		: 80 K	
Rated speed	: 1	470 rpm	Design		: B	
Rev.		Changes Summary	<u>'</u>	Performed	Checked	Date
Performed by						
Checked by					Page	Revision
Date	14/04/2022	1			31 / 36	

Three Phase Induction Motor - Squirrel Cage



Revision

Page

32 / 36

Customer :

Checked by

Date

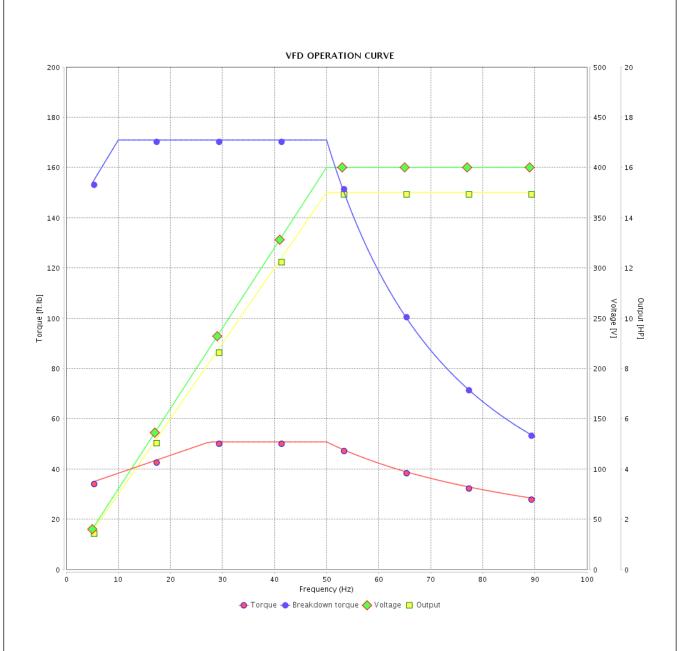
14/04/2022

Product line : NEMA Premium Efficiency Three-

Phase

Product code: 11587597

Catalog #: 02018ET3E256JM-W22



Performance : 400 V 50 Hz 4P IE3 Rated current : 21.2 A Moment of inertia (J) : 3.10 sq.ft.lb **LRC** : 7.9 Duty cycle : Cont.(S1) : 53.4 ft.lb Insulation class : F Rated torque Locked rotor torque : 280 % Service factor : 1.00 Breakdown torque : 320 % Temperature rise : 80 K Rated speed : 1475 rpm Design : B Rev. Performed Checked **Changes Summary** Date Performed by

Three Phase Induction Motor - Squirrel Cage

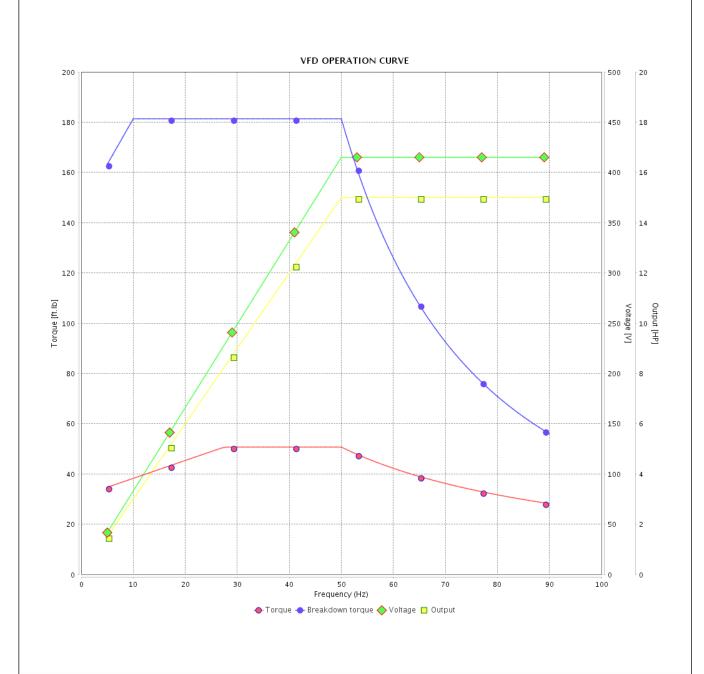


Customer

Product line : NEMA Premium Efficiency Three- Product code : 11587597

Phase

Catalog #: 02018ET3E256JM-W22



Performance	:	415 V 50 Hz 4P IE3				
Rated current	:	20.6 A	0.6 A Moment of		: 3.10 sq.ft.lb	
LRC	:	8.4	Duty cycle	;	: Cont.(S1)	
Rated torque	:	53.3 ft.lb	Insulation	class	: F	
Locked rotor tord	que :	300 %	Service fa	ctor	: 1.00	
Breakdown torqu	ue :	340 %	Temperati	ure rise	: 80 K	
Rated speed	:	1477 rpm	Design		: B	
Rev.		Changes Summa	ry	Performed	Checked	Date
Performed by						
Checked by					Page	Revision
Date	14/04/2022				33 / 36	

Three Phase Induction Motor - Squirrel Cage



Customer :

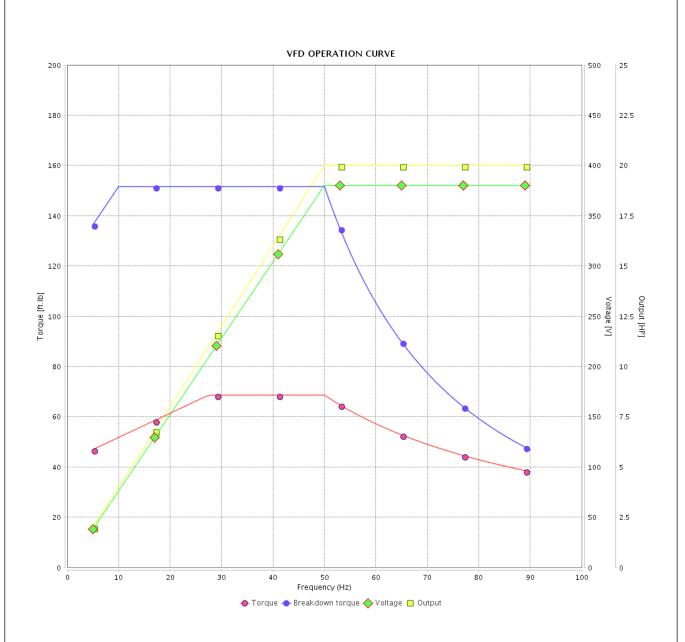
Checked by

Product line : NEMA Premium Efficiency Three-

Phase

Product code: 11587597

Catalog #: 02018ET3E256JM-W22



Performance : 380 V 50 Hz 4P IE1 Rated current : 29.4 A Moment of inertia (J) : 3.10 sq.ft.lb **LRC** : 5.7 Duty cycle : Cont.(S1) : 72.2 ft.lb Insulation class : F Rated torque Locked rotor torque : 190 % Service factor : 1.00 Breakdown torque : 210 % Temperature rise : 105 K Rated speed : 1455 rpm Design : B Rev. Performed Checked Date **Changes Summary** Performed by

Page

Revision

Three Phase Induction Motor - Squirrel Cage



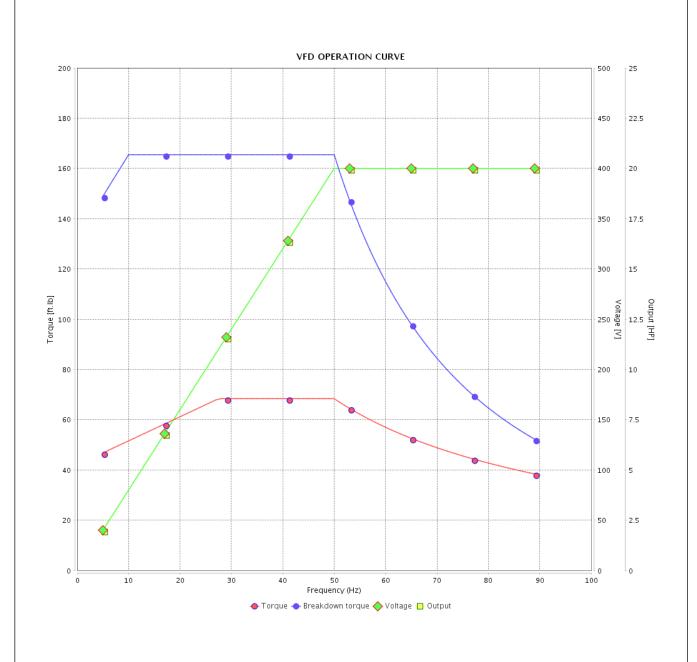
Customer

Product line : NEMA Premium Efficiency Three- Product code : 11587597

Phase

Catalog #: 02018ET3E256JM-W22

35 / 36



Performance	: 400 V 50 Hz 4P IE2				
Rated current LRC Rated torque Locked rotor torque Breakdown torque Rated speed	: 28.0 A : 6.2 : 71.9 ft.lb : 210 % : 229 % : 1460 rpm	Duty cycle : Consultation class : For Service factor : 1 Temperature rise : 1		: 3.10 sq.ft.lb : Cont.(S1) : F : 1.00 : 105 K : B	
Rev.	Changes Summary	P	Performed	Checked	Date
Performed by					
Checked by				Page	Revision

14/04/2022

Date

Three Phase Induction Motor - Squirrel Cage



Customer :

Date

14/04/2022

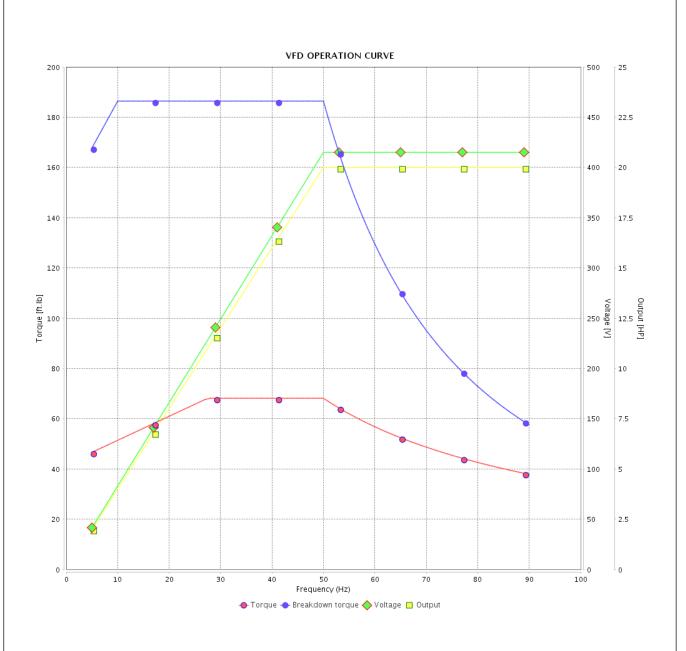
Product line : NEMA Premium Efficiency Three-

Phase

Product code: 11587597

Catalog #: 02018ET3E256JM-W22

36 / 36



Performance : 415 V 50 Hz 4P IE2 : 27.1 A Rated current Moment of inertia (J) : 3.10 sq.ft.lb **LRC** Duty cycle : Cont.(S1) : 6.6 Insulation class Rated torque : 71.7 ft.lb : F Locked rotor torque : 229 % Service factor : 1.00 Breakdown torque : 260 % Temperature rise : 105 K Rated speed : 1465 rpm Design : B Rev. Performed Checked Date **Changes Summary** Performed by Page Checked by Revision

