DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : NEMA Premium Efficiency Three- Product code : 12602496

Phase

Catalog #: 01518ET3E254JP-W22

Frame : 254/6JP 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 : 317 lb

Protection degre	е	: IP55		Momer	nt of inertia (J)	: 2	.62 sq.ft.lb	
Design		: B						
Output [HP]		15	10	10	10	15	15	15
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]		36.0/18.0	15.2	14.8	14.5	21.5	20.5	20.0
L. R. Amperes [A]		230/115	109	115	120	105	111	118
LRC [A]		6.4x(Code	7.2x(Code J)	7.8x(Code J)	8.3x(Code K)	4.9x(Code E)	5.4x(Code F)	5.9x(Code
		G)						G)
No load current [A]	14.4/7.20	6.70	7.10	7.40	7.10	7.60	7.40
Rated speed [RPN	/ 1]	1770	1475	1480	1480	1455	1460	1465
Slip [%]		1.67	1.67	1.33	1.33	3.00	2.67	2.33
Rated torque [ft.lb]		44.5	35.6	35.5	35.5	54.1	54.0	53.8
Locked rotor torqu	e [%]	220	250	280	310	160	200	210
Breakdown torque	[%]	260	300	340	370	200	220	240
Service factor		1.25	1.25	1.25	1.25	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		55s (cold)	72s (cold)	63s (cold)	57s (cold)	43s (cold)	41s (cold)	37s (cold)
		31s (hot)	40s (hot)	35s (hot)	32s (hot)	24s (hot)	23s (hot)	21s (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%	90.2	88.5	88.1	87.6	90.8	90.8	90.8
Efficiency (%)	50%	91.0	88.8	88.6	88.3	91.0	91.0	91.0
Liliciency (70)	75%	91.7	90.3	90.3	90.3	90.2	91.0	91.0
	100%	92.4	90.4	90.6	90.8	90.2	91.0	91.0
	25%	0.43	0.40	0.37	0.35	0.49	0.46	0.45
Power Factor	50%	0.68	0.65	0.62	0.59	0.74	0.71	0.69
FUWEI FACIOI	75%	0.78	0.77	0.74	0.72	0.82	0.80	0.79
	100%	0.83	0.83	0.81	0.79	0.86	0.85	0.84

Drive end Non drive end Foundation loads

Bearing type : 6309 C3 6209 C3 Max. traction : 460 lb Sealing : V'Ring V'Ring Max. compression : 777 lb

20000 h

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

20000 h

Notes

Lubrication interval

USABLE @208V 39.8A SF 1.15 SFA 45.8A

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 / 36	

Three Phase Induction Motor - Squirrel Cage



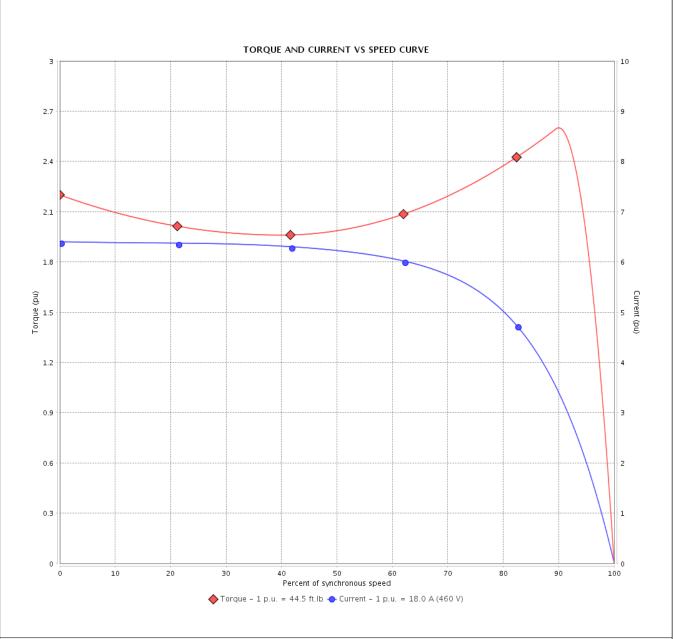
Customer :

Product line : NEMA Premium Efficiency Three- Product

Phase

Product code: 12602496

Catalog #: 01518ET3E254JP-W22



Performance : 230/460 V 60 Hz 4P Rated current : 36.0/18.0 A Moment of inertia (J) : 2.62 sq.ft.lb **LRC** : 6.4 Duty cycle : Cont.(S1) : 44.5 ft.lb Insulation class Rated torque : F Locked rotor torque : 220 % Service factor : 1.25 Breakdown torque : 260 % Temperature rise : 80 K Rated speed : 1770 rpm Design : B

Locked rotor time : 55s (cold) 31s (hot)

Rev.		Changes Summary	Performed	Checked	Date
Performed by					
Checked by				Page	Revision
Date	13/04/2022			2 / 36	



Three Phase Induction Motor - Squirrel Cage Customer Product line : NEMA Premium Efficiency Three-Product code: 12602496 Catalog #: 01518ET3E254JP-W22 TORQUE AND CURRENT VS SPEED CURVE 2.7 2.1 1.8 Torque (pu) 1.2 0.6 0.3 Percent of synchronous speed ◆ Torque - 1 p.u. = 35.6 ft.lb ◆ Current - 1 p.u. = 15.2 A (380 V) Performance : 380 V 50 Hz 4P IE3 Rated current : 15.2 A Moment of inertia (J) : 2.62 sq.ft.lb **LRC** : 7.2 Duty cycle : Cont.(S1) Insulation class Rated torque : 35.6 ft.lb : F : 250 % Locked rotor torque Service factor : 1.25 Breakdown torque : 300 % Temperature rise : 80 K Rated speed : 1475 rpm Design : B Locked rotor time : 72s (cold) 40s (hot)

Rev. Performed Checked Date **Changes Summary** Performed by Checked by Revision Page 3/36 Date 13/04/2022

Three Phase Induction Motor - Squirrel Cage



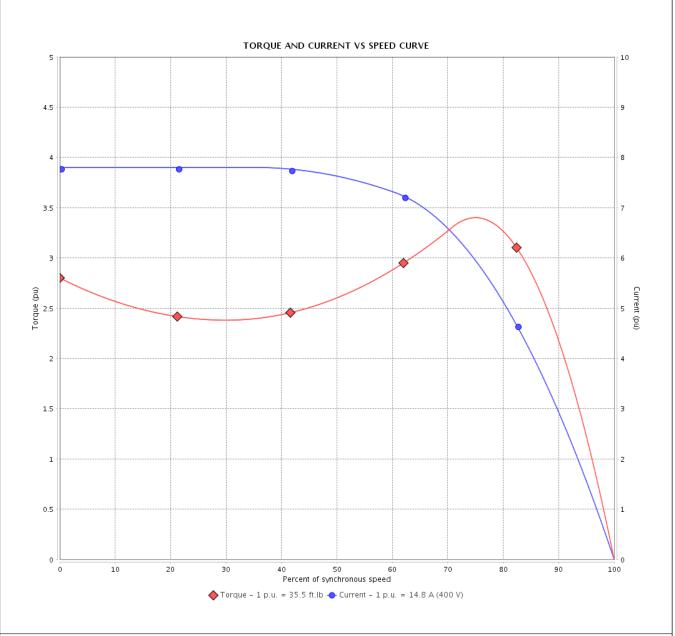
Customer :

Product line : NEMA Premium Efficiency Three- Product

Phase

Product code: 12602496

Catalog #: 01518ET3E254JP-W22



Performance : 400 V 50 Hz 4P IE3 Rated current : 14.8 A Moment of inertia (J) : 2.62 sq.ft.lb **LRC** : 7.8 Duty cycle : Cont.(S1) : 35.5 ft.lb Insulation class Rated torque : F Service factor Locked rotor torque : 280 % : 1.25 Breakdown torque : 340 % Temperature rise : 80 K Rated speed : 1480 rpm Design : B

Locked rotor time : 63s (cold) 35s (hot)

Rev.		Changes Summary	Performed	Checked	Date
Performed by					
Checked by				Page	Revision
Date	13/04/2022			4 / 36	



Three Phase Induction Motor - Squirrel Cage Customer Product line : NEMA Premium Efficiency Three-Product code: 12602496 Catalog #: 01518ET3E254JP-W22 TORQUE AND CURRENT VS SPEED CURVE 4.5 3.5 Torque (pu) 40 50 Percent of synchronous speed ◆ Torque - 1 p.u. = 35.5 ft.lb ◆ Current - 1 p.u. = 14.5 A (415 V)

Performance	: 415 V 50 Hz 4P IE3			
Rated current	: 14.5 A	Moment of inertia (J)	: 2.62 sq.ft.lb	
LRC	: 8.3	Duty cycle	: Cont.(S1)	
Rated torque	: 35.5 ft.lb	Insulation class	:F	
Locked rotor torque	: 310 %	Service factor	: 1.25	
Breakdown torque	: 370 %	Temperature rise	: 80 K	
Rated speed	: 1480 rpm	Design	: B	
Locked rotor time	: 57s (cold) 32s (hot)	<u> </u>		

Locked rotor time	e :5 <i>i</i>	rs (cold) 32s (not)			
Rev.		Changes Summary	Performed	Checked	Date
Performed by					
Checked by				Page	Revision
Date	13/04/2022			5 / 36	

Three Phase Induction Motor - Squirrel Cage



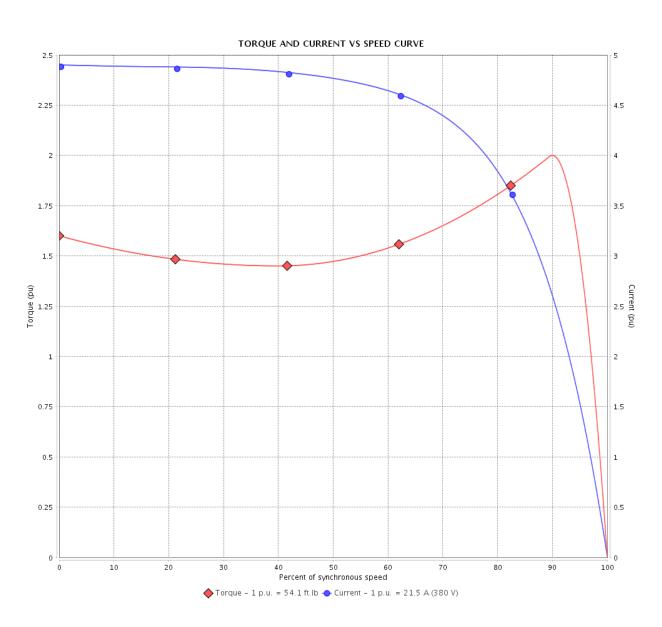
Customer :

Product line : NEMA Premium Efficiency Three-

Phase

Product code: 12602496

Catalog #: 01518ET3E254JP-W22



Performance : 380 V 50 Hz 4P IE2 Rated current : 21.5 A Moment of inertia (J) : 2.62 sq.ft.lb **LRC** : 4.9 Duty cycle : Cont.(S1) Insulation class Rated torque : 54.1 ft.lb : F Service factor Locked rotor torque : 160 % : 1.00 Breakdown torque : 200 % Temperature rise : 80 K Rated speed : 1455 rpm Design : B

Locked rotor time : 43s (cold) 24s (hot)

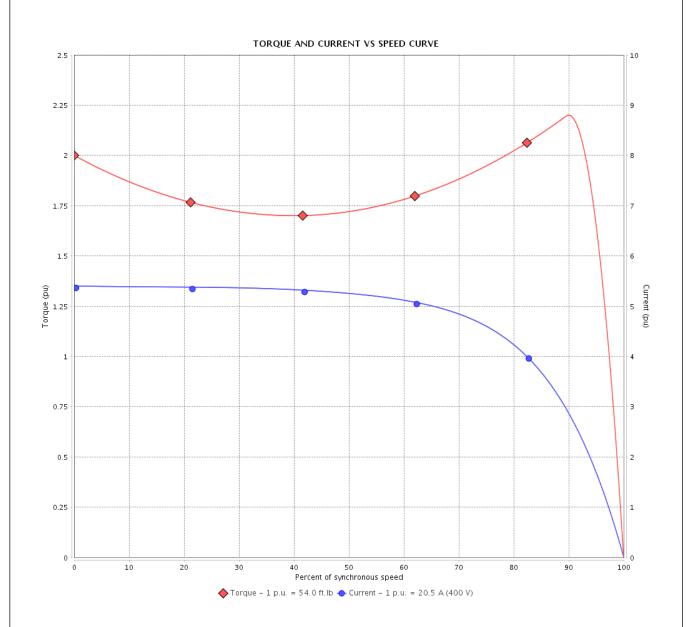
Rev.		Changes Summary	Performed	Checked	Date
Performed by					
Checked by				Page	Revision
Date	13/04/2022			6 / 36	

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : NEMA Premium Efficiency Three-Product code : 12602496
Phase Catalog # : 01518ET3E254JP-W22



Performance : 400 V 50 Hz 4P IE2 Rated current : 20.5 A Moment of inertia (J) : 2.62 sq.ft.lb **LRC** : 5.4 Duty cycle : Cont.(S1) Rated torque : 54.0 ft.lb Insulation class : F : 200 % : 1.00 Locked rotor torque Service factor : 80 K Breakdown torque : 220 % Temperature rise : B Rated speed : 1460 rpm Design Locked rotor time : 41s (cold) 23s (hot)

LOCKCO TOTOL UITIN		13 (6014) 203 (1101)			
Rev.		Changes Summary	Performed	Checked	Date
Performed by					
Checked by		-		Page	Revision
Date	13/04/2022			7 / 36	

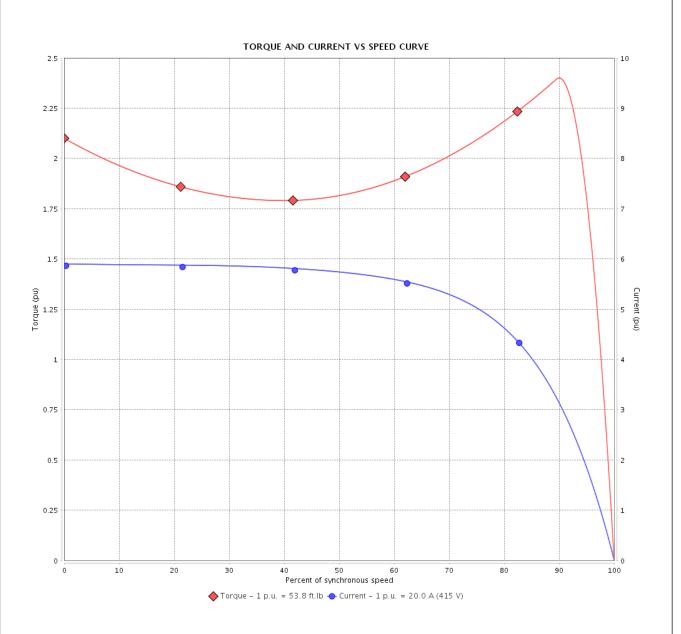
Three Phase Induction Motor - Squirrel Cage



Customer

Product line : NEMA Premium Efficiency Three-Product code: 12602496

Catalog #: 01518ET3E254JP-W22



Performance : 415 V 50 Hz 4P IE2 Rated current : 20.0 A Moment of inertia (J) : 2.62 sq.ft.lb **LRC** : 5.9 Duty cycle : Cont.(S1) Insulation class Rated torque : 53.8 ft.lb : F Locked rotor torque : 210 % Service factor : 1.00 Breakdown torque : 240 % Temperature rise : 80 K Rated speed : 1465 rpm Design : B Locked rotor time

: 37s (cold) 21s (hot)

Rev.		Changes Summary	Performed	Checked	Date
Performed by					
Checked by				Page	Revision
Date	13/04/2022			8 / 36	

Three Phase Induction Motor - Squirrel Cage



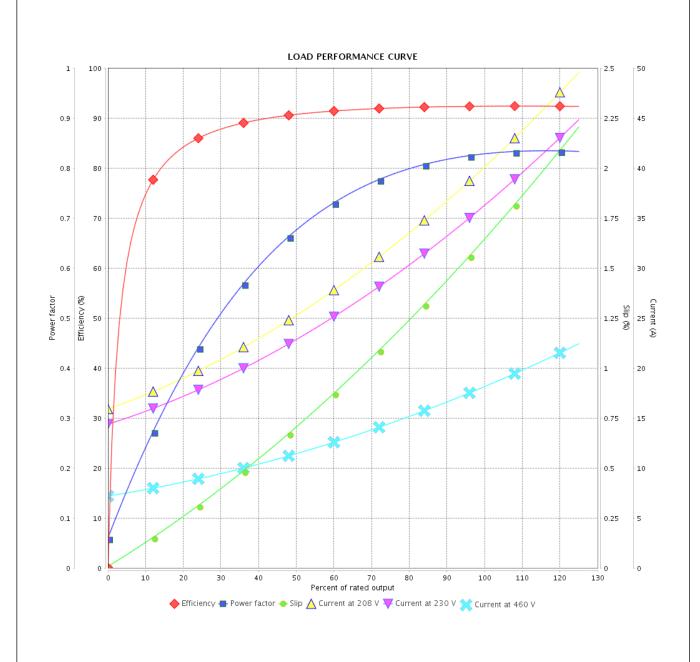
Customer

Product line : NEMA Premium Efficiency Three- Product code : 12602496

Phase

Catalog #: 01518ET3E254JP-W22

9/36



Performance	: 230/460 V 60 Hz 4P				
Rated current LRC Rated torque Locked rotor torque Breakdown torque Rated speed	: 36.0/18.0 A : 6.4 : 44.5 ft.lb : 220 % : 260 % : 1770 rpm	Moment of ine Duty cycle Insulation clas Service factor Temperature Design	SS	: 2.62 sq.ft.lb : Cont.(S1) : F : 1.25 : 80 K : B	
Rev.	Changes Summary		Performed	Checked	Date
Performed by					
Checked by				Page	Revision

13/04/2022

Three Phase Induction Motor - Squirrel Cage



Customer :

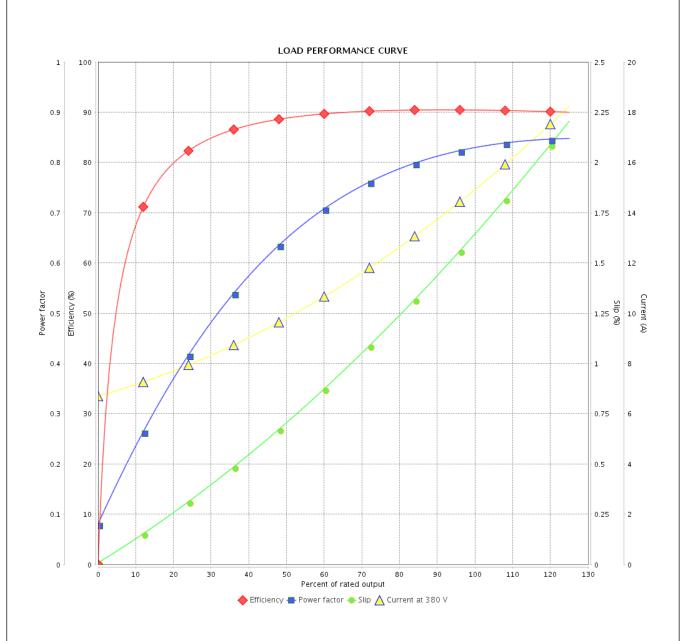
Product line : NEMA Premium Efficiency Three- Product

Phase

Product code: 12602496

Catalog #: 01518ET3E254JP-W22

10/36



Performance	: 380 V 50 Hz 4P IE3				
Rated current	: 15.2 A	Moment of iner	tia (J)	: 2.62 sq.ft.lb	
LRC	: 7.2	Duty cycle		: Cont.(S1)	
Rated torque	: 35.6 ft.lb	Insulation class	3	: F	
Locked rotor torque	: 250 %	Service factor		: 1.25	
Breakdown torque	: 300 %	Temperature ris	se	: 80 K	
Rated speed	: 1475 rpm	Design		: B	
Rev.	Changes Summary	Р	erformed	Checked	Date
Performed by					
Checked by				Page	Revision

13/04/2022

Three Phase Induction Motor - Squirrel Cage



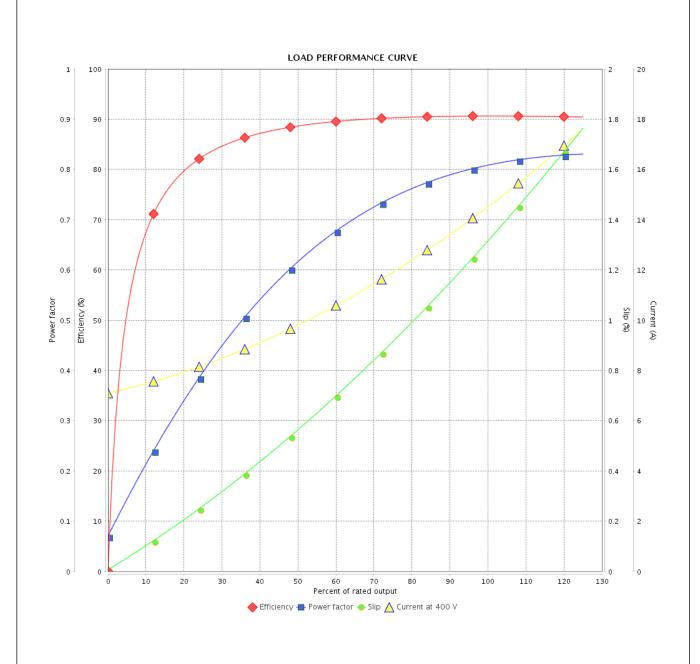
Customer

Product line : NEMA Premium Efficiency Three- Product code : 12602496

Phase

Catalog #: 01518ET3E254JP-W22

11/36



Performance	: 400 V 50 Hz 4P IE3				
Rated current LRC Rated torque Locked rotor torque Breakdown torque Rated speed	: 14.8 A : 7.8 : 35.5 ft.lb : 280 % : 340 % : 1480 rpm	Moment of in Duty cycle Insulation cla Service facto Temperature Design	ss r	: 2.62 sq.ft.lb : Cont.(S1) : F : 1.25 : 80 K : B	
Rev.	Changes Summary	Doorgin .	Performed	Checked	Date
Performed by					
Checked by				Page	Revision

13/04/2022

Three Phase Induction Motor - Squirrel Cage



Revision

Page

12/36

Customer :

Checked by

Date

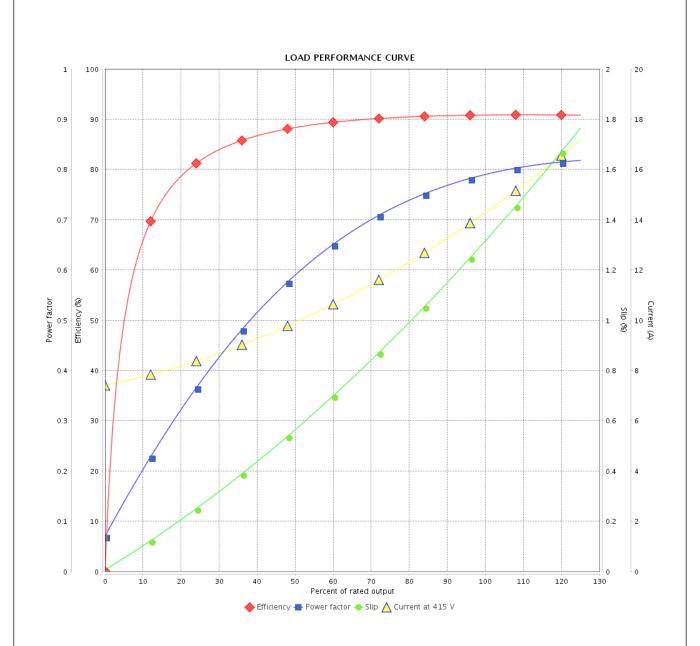
13/04/2022

Product line : NEMA Premium Efficiency Three- Product code :

Phase

Catalog #: 01518ET3E254JP-W22

12602496



Performance : 415 V 50 Hz 4P IE3 : 14.5 A Rated current Moment of inertia (J) : 2.62 sq.ft.lb **LRC** Duty cycle : Cont.(S1) : 8.3 Insulation class Rated torque : 35.5 ft.lb : F Locked rotor torque : 310 % Service factor : 1.25 Breakdown torque : 370 % Temperature rise : 80 K Rated speed : 1480 rpm Design : B Rev. Performed Checked Date **Changes Summary** Performed by

Three Phase Induction Motor - Squirrel Cage



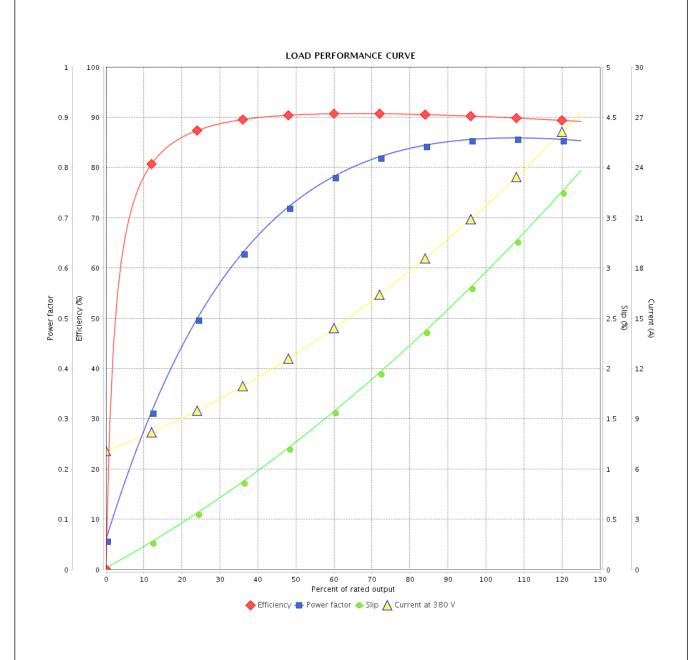
Customer

Product line : NEMA Premium Efficiency Three- Product code : 12602496

Phase

Catalog #: 01518ET3E254JP-W22

13 / 36



Performance	: 380 V 50 Hz 4P IE2				
Rated current LRC Rated torque Locked rotor torque Breakdown torque Rated speed	: 21.5 A : 4.9 : 54.1 ft.lb : 160 % : 200 % : 1455 rpm	Moment of inertia (J) Duty cycle Insulation class Service factor Temperature rise Design		: 2.62 sq.ft.lb : Cont.(S1) : F : 1.00 : 80 K : B	
Rev.	Changes Summary		Performed	Checked	Date
Performed by					
Checked by				Page	Revision

13/04/2022

Three Phase Induction Motor - Squirrel Cage



Customer :

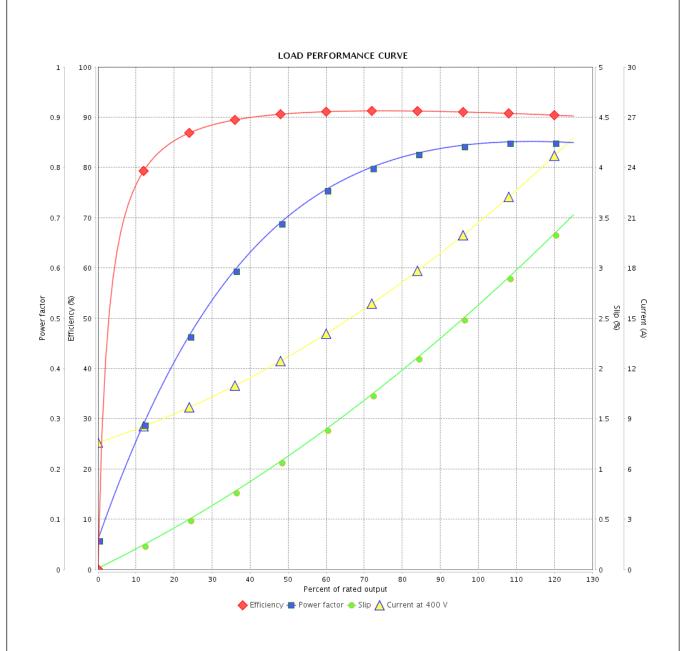
Product line : NEMA Premium Efficiency Three- Prod

Phase

Product code: 12602496

Catalog #: 01518ET3E254JP-W22

14/36



Performance	: 400 V 50 Hz 4P IE2				
Rated current LRC Rated torque Locked rotor torque Breakdown torque Rated speed	: 20.5 A : 5.4 : 54.0 ft.lb : 200 % : 220 % : 1460 rpm	Moment of inertia (J) Duty cycle Insulation class Service factor Temperature rise Design		: 2.62 sq.ft.lb : Cont.(S1) : F : 1.00 : 80 K : B	
Rev.	Changes Summary		Performed	Checked	Date
Performed by					
Checked by				Page	Revision

13/04/2022

Three Phase Induction Motor - Squirrel Cage

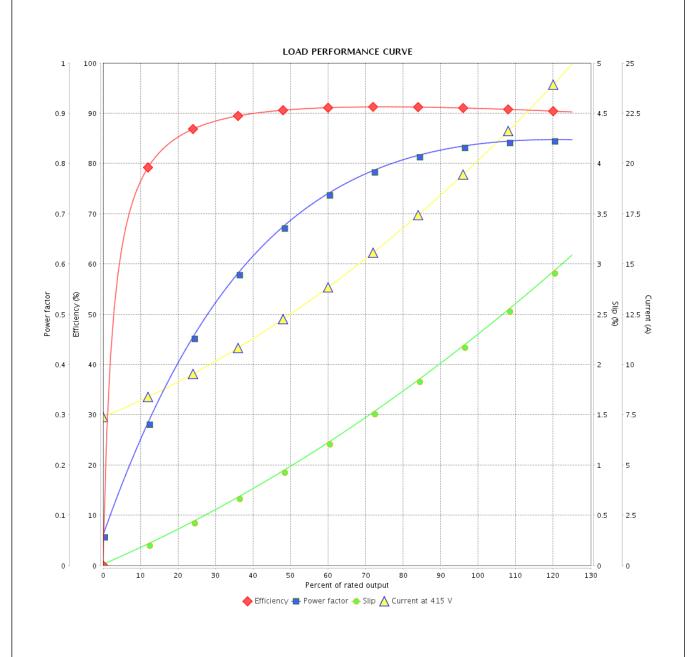


Customer

Product line : NEMA Premium Efficiency Three- Product code : 12602496

Phase

Catalog #: 01518ET3E254JP-W22



Performance	: 4	15 V 50 Hz 4P IE2				
Rated current	: 2	: 20.0 A Moment of		f inertia (J)	: 2.62 sq.ft.lb	
LRC	: 5	5.9	Duty cycle)	: Cont.(S1)	
Rated torque	: 5	3.8 ft.lb	Insulation	class	: F	
Locked rotor torqu	e : 2	10 %	Service factor		: 1.00	
Breakdown torque : 240 %		Temperati	Temperature rise : 80		: 80 K	
Rated speed	: 1	465 rpm	Design		: B	
Rev.		Changes Summa	ry	Performed	Checked	Date
Performed by						
Checked by					Page	Revision
Date	13/04/2022				15 / 36	

Three Phase Induction Motor - Squirrel Cage

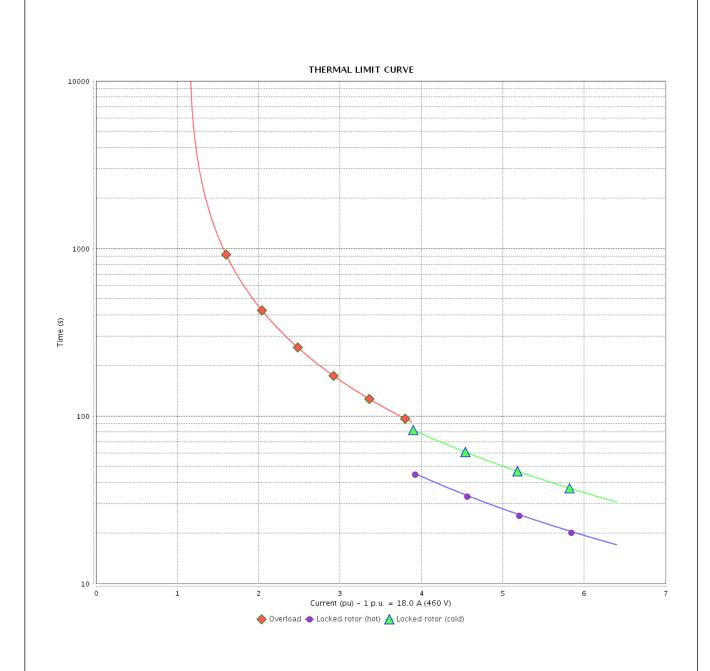


Customer	:					
Product line		NEMA Premium Efficiency	Three-	Product code :	12602496	
	PI	hase	1	Catalog # :	01518ET3E25	54JP-W22
Performance	: 23	30/460 V 60 Hz 4P				
Rated current LRC	: 36 : 6.	6.0/18.0 A	Moment o	f inertia (J)	: 2.62 sq.ft.lb	
Rated torque	: 44	4.5 ft.lb	Duty cycle Insulation	class	: Cont.(S1) : F	
Locked rotor torque		20 % 60 %	Service fa Temperatu		: 1.25 : 80 K	
Breakdown torque Rated speed		770 rpm	Design	116 119 6	: 80 K : B	
Heating constant						
Cooling constant						
Rev.		Changes Summary		Performed	Checked	Date
Dorformed		I				
Performed by Checked by					Page	Revision
Checked by	40/04/0322	_			Page	Kevision

Three Phase Induction Motor - Squirrel Cage



Customer



Rev.		Changes Summary	Performed	Checked	Date
Performed by					
Checked by				Page	Revision
Date	13/04/2022			17 / 36	

Three Phase Induction Motor - Squirrel Cage

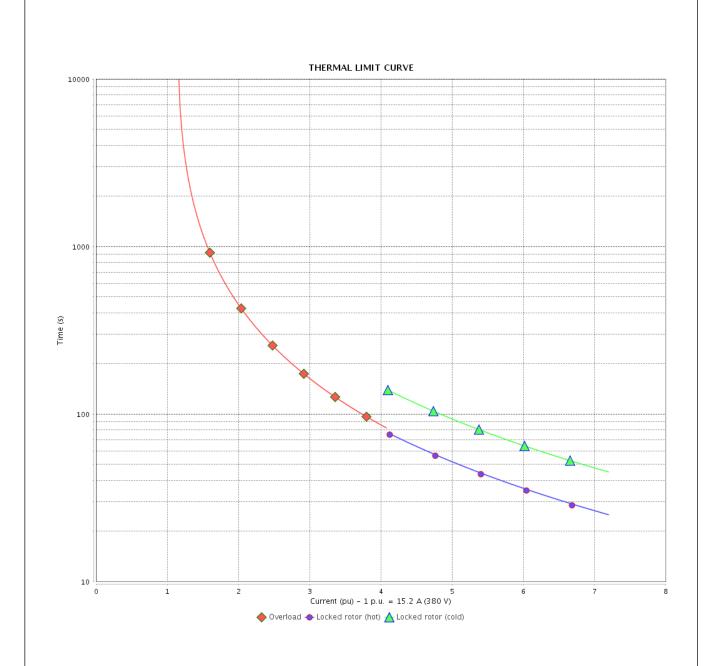


Customer	:					
Product line		NEMA Premium Efficiency hase	Three-	Product code :	12602496	
	FI	nase		Catalog # :	01518ET3E25	54JP-W22
Performance		80 V 50 Hz 4P IE3	T			
Rated current LRC	: 15 : 7.	5.2 A 2	Moment o Duty cycle	f inertia (J)	: 2.62 sq.ft.lb : Cont.(S1)	
Rated torque	: 35	5.6 ft.lb	Insulation	class	: F	
Locked rotor torque Breakdown torque		50 % 00 %	Service fa Temperatu		: 1.25 : 80 K	
Rated speed		475 rpm	Design		: B	
Heating constant						
Cooling constant		01		D-v(Ol- I	D :
Rev.		Changes Summary		Performed	Checked	Date
Performed by						
Checked by		-			Page	Revision
D-4	40/04/0000	1			40.400	

Three Phase Induction Motor - Squirrel Cage



Customer



Rev.		Changes Summary	Performed	Checked	Date
Performed by					
Checked by				Page	Revision
Date	13/04/2022			19 / 36	

Three Phase Induction Motor - Squirrel Cage

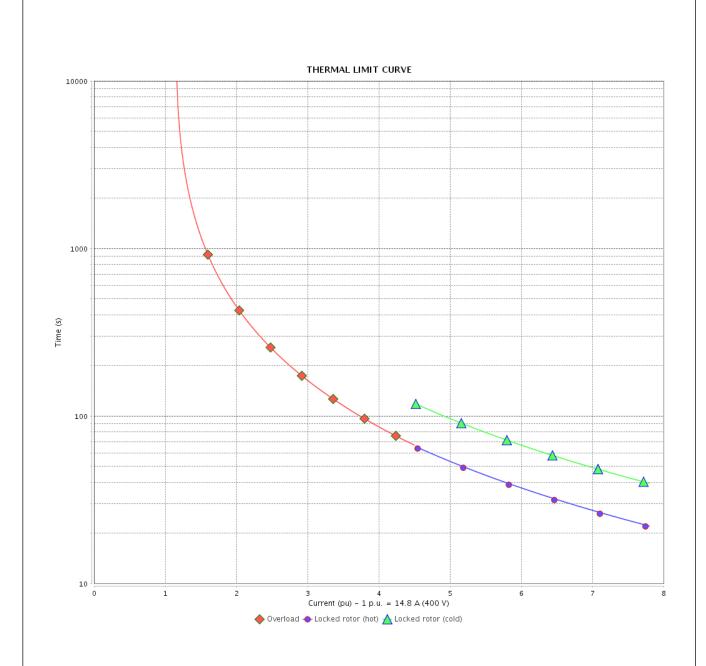


Customer		:				
Product line		: NEMA Premium Efficiency Phase		Product code :	12602496	
				Catalog # :	01518ET3E2	04JP-VVZZ
Performance		: 400 V 50 Hz 4P IE3	N 4	· • • • • • • • • • • • • • • • • • • •	0.00 (1.11)	
Rated current LRC		: 14.8 A : 7.8	Duty cycle		: 2.62 sq.ft.lb : Cont.(S1)	
Rated torque Locked rotor tord		: 35.5 ft.lb : 280 %	Insulation Service fa	class	: F : 1.25	
Breakdown torqu		: 340 % : 340 %	Temperat		: 1.25 : 80 K	
Rated speed		: 1480 rpm	Design		: B	
Heating constan						
Cooling constant	t					
Rev.		Changes Summary		Performed	Checked	Date
Performed by						
Checked by					Page	Revision
Date	13/04/2022				20 / 36	

Three Phase Induction Motor - Squirrel Cage



Customer



Rev.		Changes Summary	Performed	Checked	Date
Performed by			·		
Checked by				Page	Revision
Date	13/04/2022			21 / 36	

Three Phase Induction Motor - Squirrel Cage

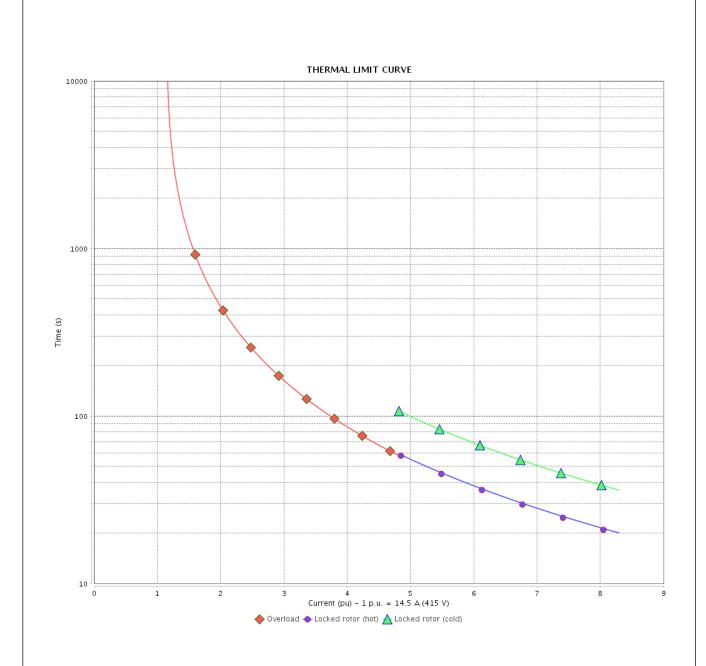


Customer	:				_	
Gustoffier	•					
Product line		NEMA Premium Efficiency T	Γhree- I	Product code :	12602496	
		1400	(Catalog # :	01518ET3E25	54JP-W22
Performance	: 41	15 V 50 Hz 4P IE3				
Rated current LRC Rated torque Locked rotor torque Breakdown torque	: 8. : 35 : 31 : 37	5.5 ft.lb 10 % 70 %	Moment of Duty cycle Insulation Service fac Temperatu	class ctor	: 2.62 sq.ft.lb : Cont.(S1) : F : 1.25 : 80 K : B	
Rated speed	. 14	180 rpm	Design		. D	
Heating constant						
Cooling constant		Change O	Г	Dorf '	Ch l l	D-4-
Rev.		Changes Summary		Performed	Checked	Date
Performed by Checked by					Page	Revision
Data	12/04/2022				22 / 36	

Three Phase Induction Motor - Squirrel Cage



Customer



Rev.		Changes Summary	Performed	Checked	Date
Performed by					
Checked by				Page	Revision
Date	13/04/2022			23 / 36	

Three Phase Induction Motor - Squirrel Cage

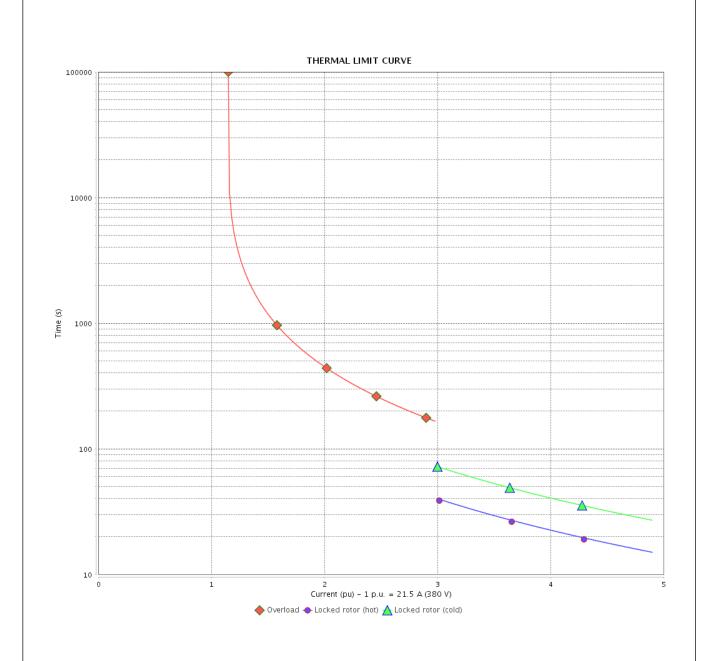


Customer		:				
Product line		: NEMA Premium Efficiency ⁻ Phase		Product code : Catalog # :	12602496 01518ET3E25	4JP-W22
Performance Rated current LRC Rated torque Locked rotor torque Breakdown torque Rated speed	iue :	380 V 50 Hz 4P IE2 21.5 A 4.9 54.1 ft.lb 160 % 200 % 1455 rpm	Moment or Duty cycle Insulation Service far Temperatu Design	class ctor	: 2.62 sq.ft.lb : Cont.(S1) : F : 1.00 : 80 K : B	
Heating constant Cooling constant Rev.		Changes Summary		Performed	Checked	Date
Performed by Checked by Date	13/04/2022				Page 24 / 36	Revision

Three Phase Induction Motor - Squirrel Cage



Customer



Rev.		Changes Summary	Performed	Checked	Date
Performed by					
Checked by				Page	Revision
Date	13/04/2022			25 / 36	

Three Phase Induction Motor - Squirrel Cage

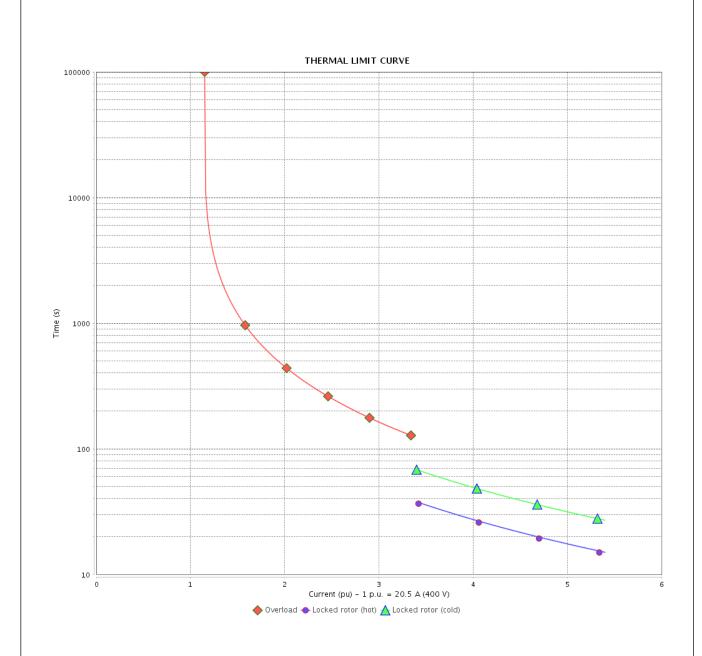


Customer	:					
Product line		NEMA Premium Efficiency	Three-	Product code :	12602496	
	P	hase		Catalog # :	01518ET3E2	54JP-W22
Performance		00 V 50 Hz 4P IE2	T.,	5 : (: ()	0.00 6.11	
Rated current LRC	: 20 : 5.	0.5 A 4	Moment o Duty cycle	f inertia (J)	: 2.62 sq.ft.lb : Cont.(S1)	
Rated torque		4.0 ft.lb	Insulation	class	: F	
Locked rotor torque Breakdown torque		00 % 20 %	Service fa Temperatu		: 1.00 : 80 K	
Rated speed		460 rpm	Design		: B	
Heating constant						
Cooling constant			<u> </u>			
Rev.		Changes Summary		Performed	Checked	Date
Performed by						
Checked by					Page	Revision
D :	40/04/0000	-			20/00	

Three Phase Induction Motor - Squirrel Cage



Customer



Rev.		Changes Summary	Performed	Checked	Date
Performed by					
Checked by				Page	Revision
Date	13/04/2022			27 / 36	

Three Phase Induction Motor - Squirrel Cage

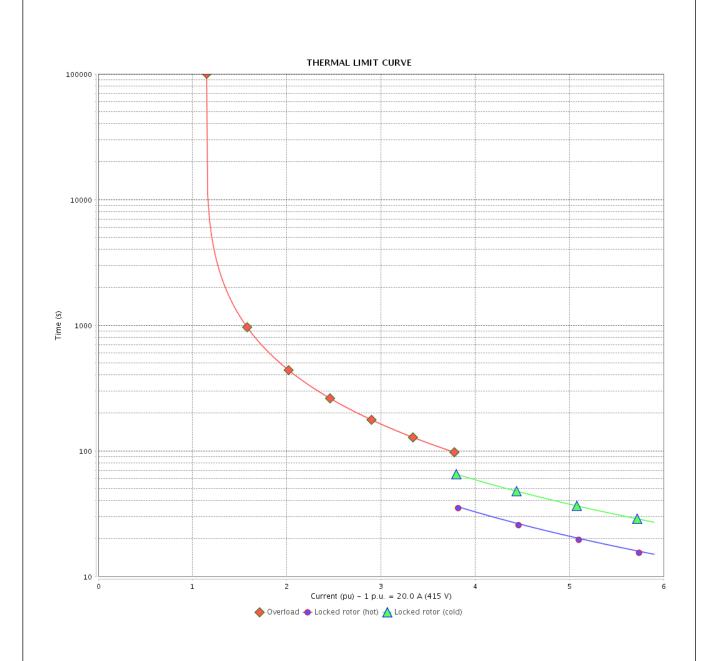


Customer	:					
Product line		NEMA Premium Efficiency	Three-	Product code :	12602496	
	PI	hase		Catalog # :	01518ET3E25	54JP-W22
Performance	: 41	15 V 50 Hz 4P IE2				
Rated current LRC	: 20 : 5.	0.0 A 9	Moment o	f inertia (J)	: 2.62 sq.ft.lb : Cont.(S1)	
Rated torque	: 53	3.8 ft.lb	Insulation	class	: F	
Locked rotor torque Breakdown torque		10 % 40 %	Service fa Temperatu		: 1.00 : 80 K	
Rated speed		465 rpm	Design	2 2	: B	
Heating constant						
Cooling constant		01		Dest 1	Ob. 1	
Rev.		Changes Summary		Performed	Checked	Date
Performed by						
Checked by		-			Page	Revision
- ·	40/04/0000	1			00 / 00	

Three Phase Induction Motor - Squirrel Cage



Customer



Rev.		Changes Summary	Performed	Checked	Date
Performed by					
Checked by				Page	Revision
Date	13/04/2022			29 / 36	

Three Phase Induction Motor - Squirrel Cage



Customer :

Date

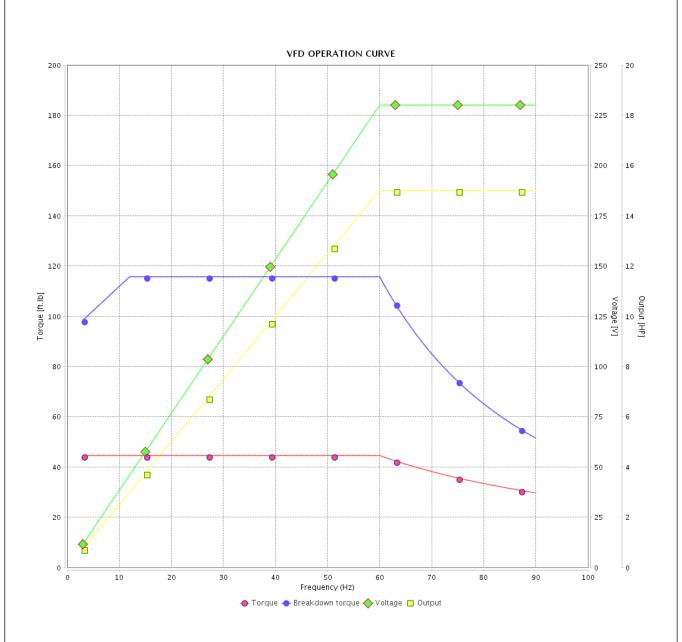
13/04/2022

Product line : NEMA Premium Efficiency Three-

Phase

Product code: 12602496

Catalog #: 01518ET3E254JP-W22



Performance : 230/460 V 60 Hz 4P : 36.0/18.0 A Rated current Moment of inertia (J) : 2.62 sq.ft.lb **LRC** Duty cycle : Cont.(S1) : 6.4 Insulation class : 44.5 ft.lb : F Rated torque Locked rotor torque : 220 % Service factor : 1.25 Breakdown torque : 260 % Temperature rise : 80 K Rated speed : 1770 rpm Design : B Rev. Performed Checked Date **Changes Summary** Performed by Page Checked by Revision

30 / 36

Three Phase Induction Motor - Squirrel Cage



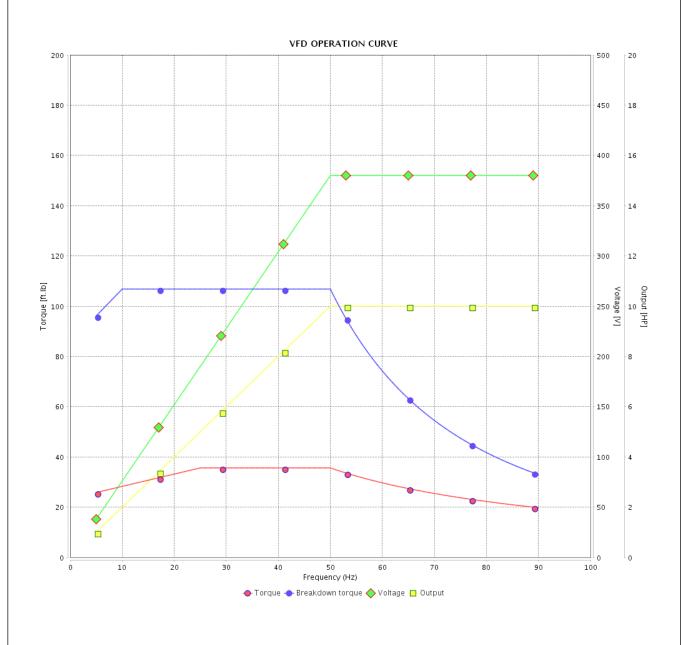
Customer

Product line : NEMA Premium Efficiency Three- Product code : 12602496

Phase

Catalog #: 01518ET3E254JP-W22

31 / 36



Performance	: 380 V 50 Hz 4P IE3				
Rated current LRC Rated torque Locked rotor torque Breakdown torque Rated speed	: 15.2 A : 7.2 : 35.6 ft.lb : 250 % : 300 % : 1475 rpm	Moment of inertia (J) Duty cycle Insulation class Service factor Temperature rise Design		J) : 2.62 sq.ft.lb : Cont.(S1) : F : 1.25 : 80 K : B	
Rev.	Changes Summary		Performed	Checked	Date
Performed by					
Checked by				Page	Revision

13/04/2022

Three Phase Induction Motor - Squirrel Cage



Customer :

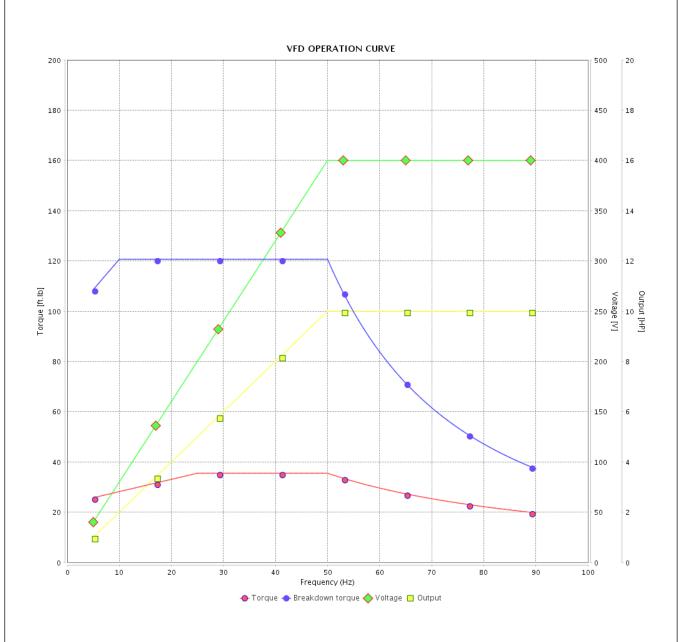
Product line : NEMA Premium Efficiency Three- Prod

Phase

Product code: 12602496

Catalog #: 01518ET3E254JP-W22

32 / 36



Performance	: 400 V 50 Hz 4P IE3			
Rated current	: 14.8 A	Moment of inertia (J)	: 2.62 sq.ft.lb	
LRC	: 7.8	Duty cycle	: Cont.(S1)	
Rated torque	: 35.5 ft.lb	Insulation class	: F	
Locked rotor torque	: 280 %	Service factor	: 1.25	
Breakdown torque	: 340 %	Temperature rise	: 80 K	
Rated speed	: 1480 rpm	Design	: B	
Rev.	Rev. Changes Summary		ned Checked	Date
Performed by				
Checked by			Page	Revision

13/04/2022

Three Phase Induction Motor - Squirrel Cage

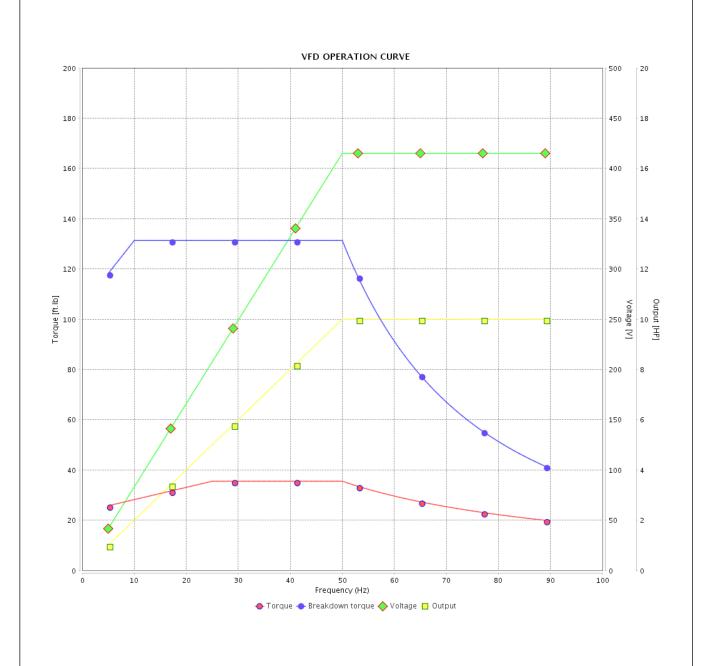


Customer

Product line : NEMA Premium Efficiency Three- Product code : 12602496

Phase

Catalog #: 01518ET3E254JP-W22



Performance	:	415 V 50 Hz 4P IE3				
Rated current		14.5 A	Moment o	f inertia (J)	: 2.62 sq.ft.lb	
LRC	1)	: Cont.(S1)		
Rated torque	:	35.5 ft.lb	Insulation	class	:F	
Locked rotor torque	ocked rotor torque : 310 % Service factor		ctor	: 1.25		
Breakdown torque		370 %	Temperati	Temperature rise : 80 K		
Rated speed	:	1480 rpm	Design		: B	
Rev.	Changes Summary			Performed	Checked	Date
Performed by						
Checked by					Page	Revision
Date	13/04/2022				33 / 36	

Three Phase Induction Motor - Squirrel Cage



Customer :

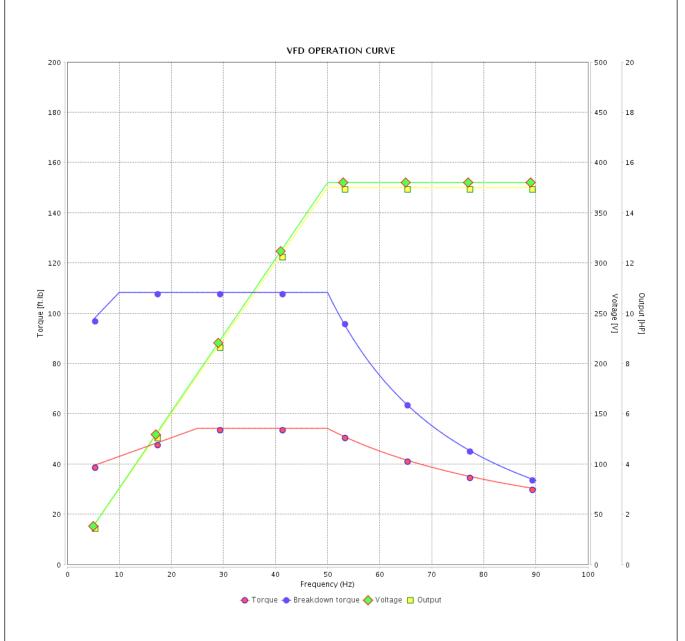
Product line : NEMA Premium Efficiency Three-

Phase

Product code: 12602496

Catalog #: 01518ET3E254JP-W22

34 / 36



Performance : 380 V 50 Hz 4P IE2					
Rated current LRC Rated torque Locked rotor torque Breakdown torque Rated speed	: 21.5 A : 4.9 : 54.1 ft.lb : 160 % : 200 % : 1455 rpm	Moment of inertia (J) Duty cycle Insulation class Service factor Temperature rise Design		: 2.62 sq.ft.lb : Cont.(S1) : F : 1.00 : 80 K : B	
Rev.	Changes Summary		Performed	Checked	Date
Performed by					
Checked by				Page	Revision

13/04/2022

Three Phase Induction Motor - Squirrel Cage



Customer

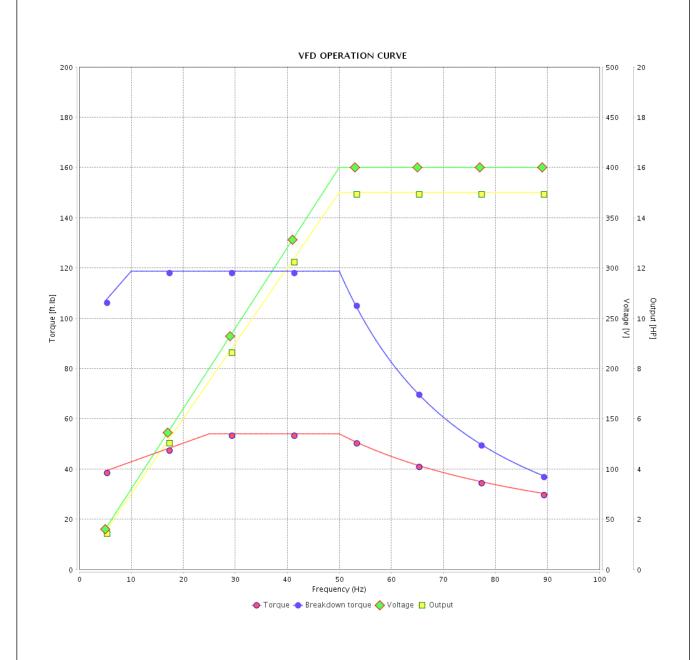
Product line : NEMA Premium Efficiency Three- Product code :

Phase

Catalog #: 01518ET3E254JP-W22

12602496

35 / 36



Performance	: 400 V 50 Hz 4P IE2					
Rated current LRC Rated torque Locked rotor torque Breakdown torque Rated speed	: 20.5 A : 5.4 : 54.0 ft.lb : 200 % : 220 % : 1460 rpm	Moment of inertia (J) Duty cycle Insulation class Service factor Temperature rise Design		Duty cycle : Cont.(S1) Insulation class : F Service factor : 1.00 Temperature rise : 80 K		
Rev.	Changes Summary		Performed	Checked	Date	
Performed by						
Checked by				Page	Revision	

13/04/2022

Three Phase Induction Motor - Squirrel Cage



Customer :

Checked by

Date

13/04/2022

Product line : NEMA Premium Efficiency Three- Product c

Phase

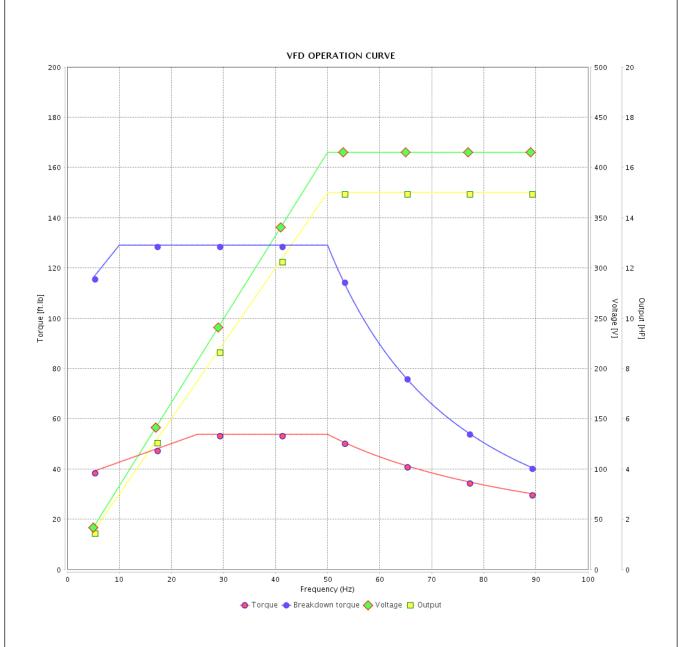
Product code: 12602496

Catalog #: 01518ET3E254JP-W22

Page

36 / 36

Revision



Performance : 415 V 50 Hz 4P IE2 Rated current : 20.0 A Moment of inertia (J) : 2.62 sq.ft.lb **LRC** : 5.9 Duty cycle : Cont.(S1) Insulation class : 53.8 ft.lb : F Rated torque Locked rotor torque : 210 % Service factor : 1.00 Breakdown torque : 240 % Temperature rise : 80 K Rated speed : 1465 rpm Design : B Rev. Performed Checked Date **Changes Summary** Performed by

