DATA SHEET

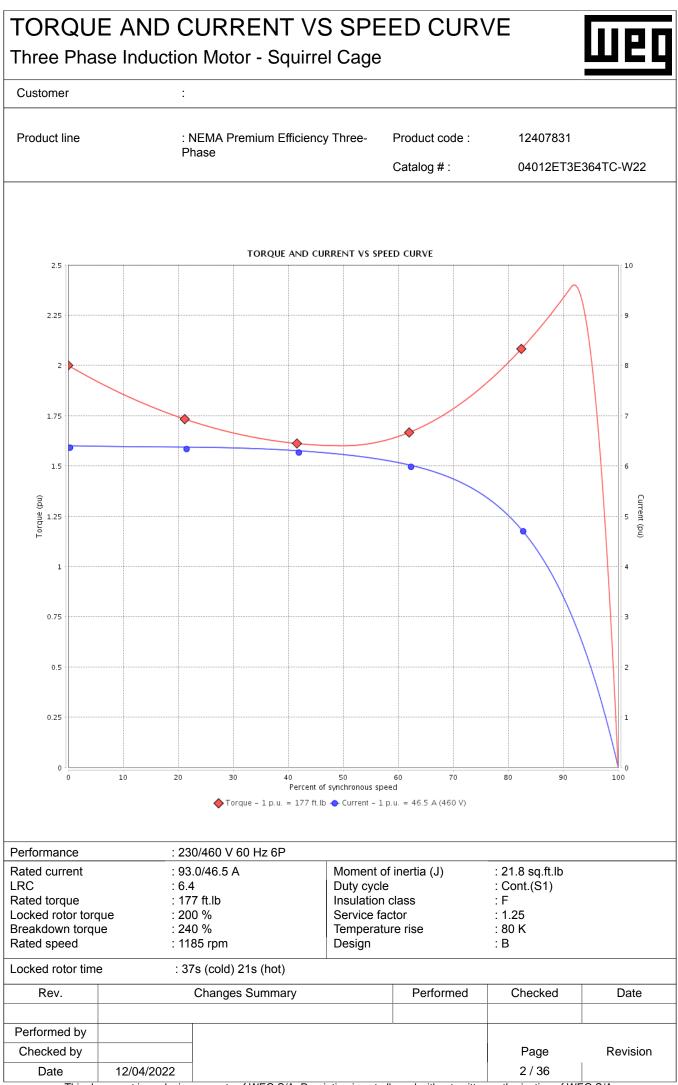
Three Phase Induction Motor - Squirrel Cage

:

Customer

Product line		Phase			Product code : Catalog # :		12407831 04012ET3E364TC-W22	
Insulation class		: F		Mounti		: F	-	0014
Duty cycle	-4	: Cont.(S1)	40%0	Rotatio			Both (CW and	CCW)
Ambient tempera	ature	: -20°C to + : 1000 m.a.;			g method weight ³		Direct On Line	
Protection degre		: IP55	5.1.		nt of inertia (J)	-	1.8 sq.ft.lb	
Design		: B		Womer		. 2	.1.0 54.11.10	
•			20	20	20	40	40	40
Dutput [HP] Poles		40 6	<u> </u>	30 6	30 6	40 6	40 6	40 6
Frequency [Hz]		60	50	50	50	50	50	50
Rated voltage [V]		230/460	380	400	415	380	400	415
Rated current [A]		93.0/46.5	42.0	40.2	39.6	56.5	53.9	52.2
. R. Amperes [A]		595/298	269	289	305	277	296	313
RC [A]		6.4x(Code G)					5.5x(Code F)	
No load current [A	1	34.0/17.0	16.8	17.9	18.7	16.8	17.9	18.7
Rated speed [RPI		1185	985	985	990	980	980	985
Slip [%]	1	1.25	1.50	1.50	1.00	2.00	2.00	1.50
Rated torque [ft.lb	1	177	160	160	159	214	214	213
ocked rotor torqu		200	210	240	270	160	180	200
Breakdown torque		240	250	280	310	190	210	229
Service factor		1.25	1.00	1.00	1.00	1.00	1.00	1.00
emperature rise		80 K	80 K	80 K	80 K	80 K	80 K	80 K
ocked rotor time		37s (cold) 21s (hot)	32s (cold) 18s (hot)	32s (cold) 18s (hot)	32s (cold) 18s (hot)	32s (cold) 18s (hot)	32s (cold) 18s (hot)	32s (cold) 18s (hot)
Noise level ²		66.0 dB(A)	63.0 dB(Á)	63.0 dB(Á)	63.0 dB(Á)	63.0 dB(Á)	63.0 dB(Á)	63.0 dB(A
	25%		. ,					`````
Efficiency (9/)	50%	93.6	92.4	92.3	91.9	93.0	93.0	93.0
Efficiency (%)	75%	93.6	92.8	93.1	93.0	92.4	93.0	93.0
	100%	94.1	92.5	93.0	93.2	91.7	92.4	93.0
	25%							
Power Factor	50%	0.73	0.68	0.66	0.63	0.78	0.76	0.73
	75%	0.82	0.80	0.79	0.76	0.85	0.84	0.82
	100%	0.86	0.86	0.85	0.83	0.88	0.87	0.86
		Drive end			tion loads			
Bearing type		: 6314 C3	6314 (C3 Max. tra	action	: 12	219 lb	
Sealing		: WSeal	WSea		ompression	: 2	139 lb	
Lubrication inter		: 17000 h						
Lubricant amour	nt	: 27 g	27 g					
Lubricant type		: Mobi	Polyrex EM					
Notes USABLE @208∨	′ 103A SF 1.	10 SFA 113A						
This revision repl must be eliminate (1) Looking the m (2) Measured at (3) Approximate (3)	ed. notor from the 1m and with t weight subjee	e shaft end.	dB(A).				n tests with sinces stipulated	
(a) Approximate manufacturing pr (4) At 100% of fu								
manufacturing pr		Changes	Summary		Performe	ed Che	ecked	Date
manufacturing pr (4) At 100% of fu		Changes	Summary		Performe		ecked	Date
manufacturing pr (4) At 100% of fu Rev.		Changes	Summary		Performe		age	Date

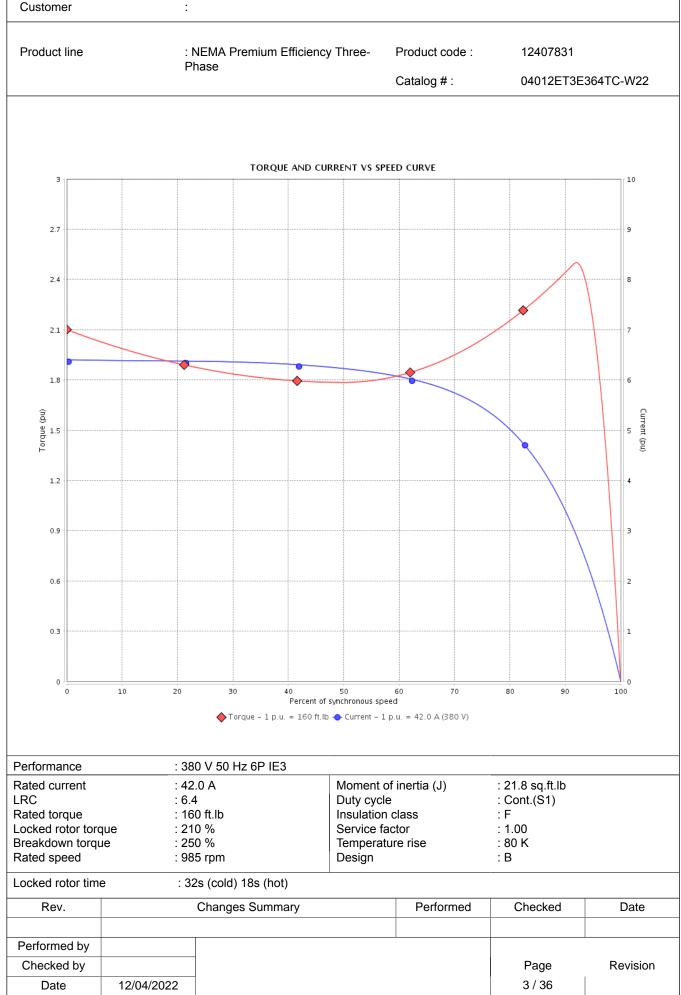
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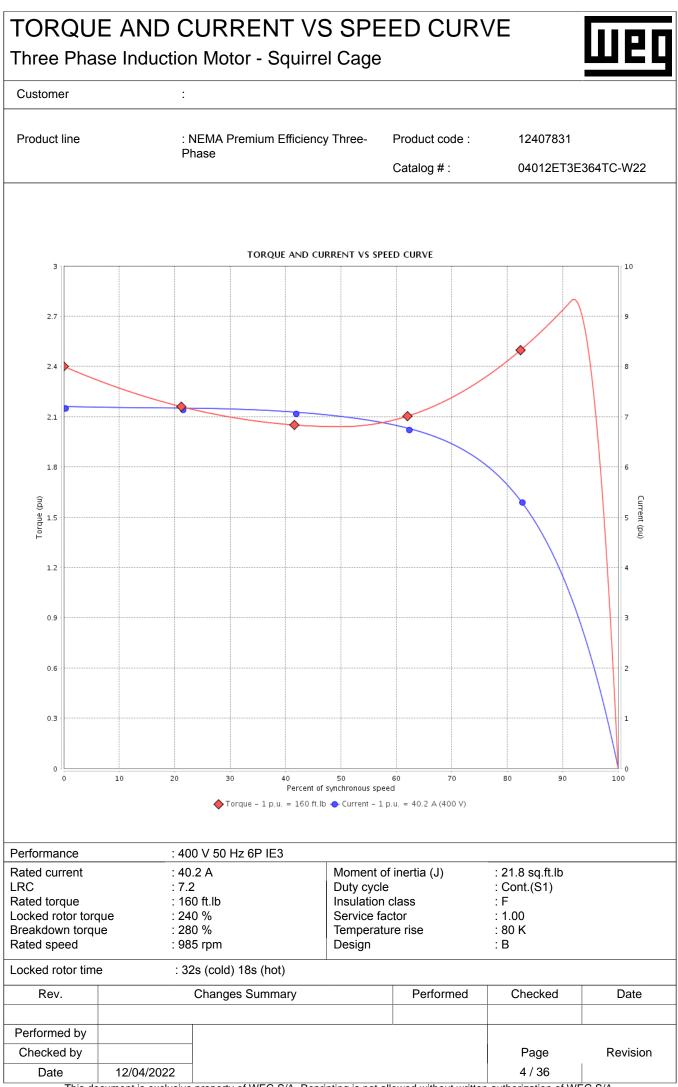
TORQUE AND CURRENT VS SPEED CURVE

Three Phase Induction Motor - Squirrel Cage





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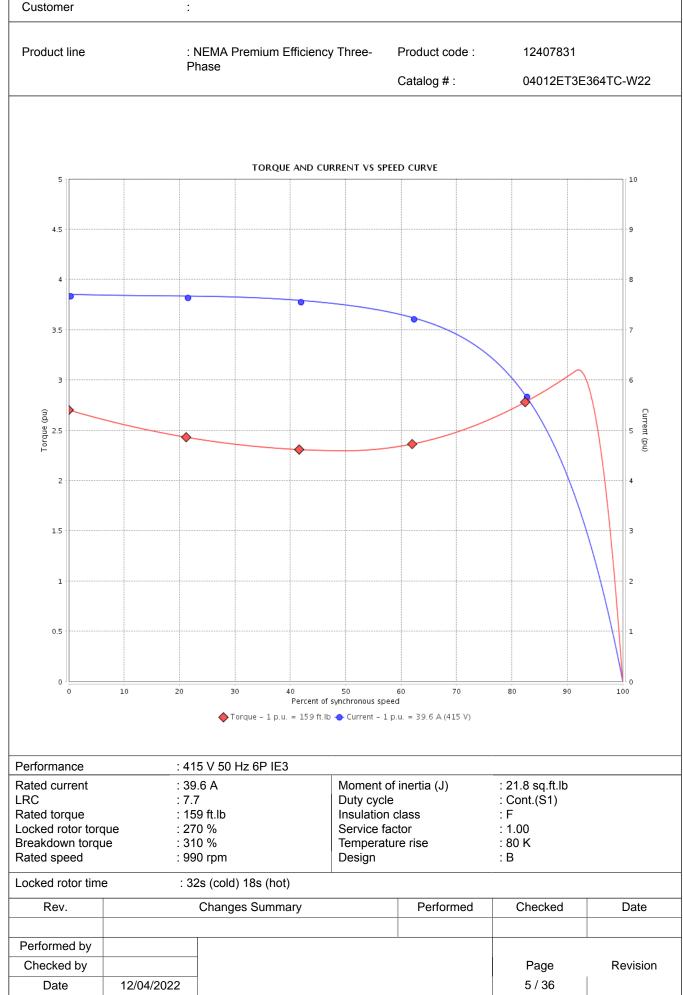


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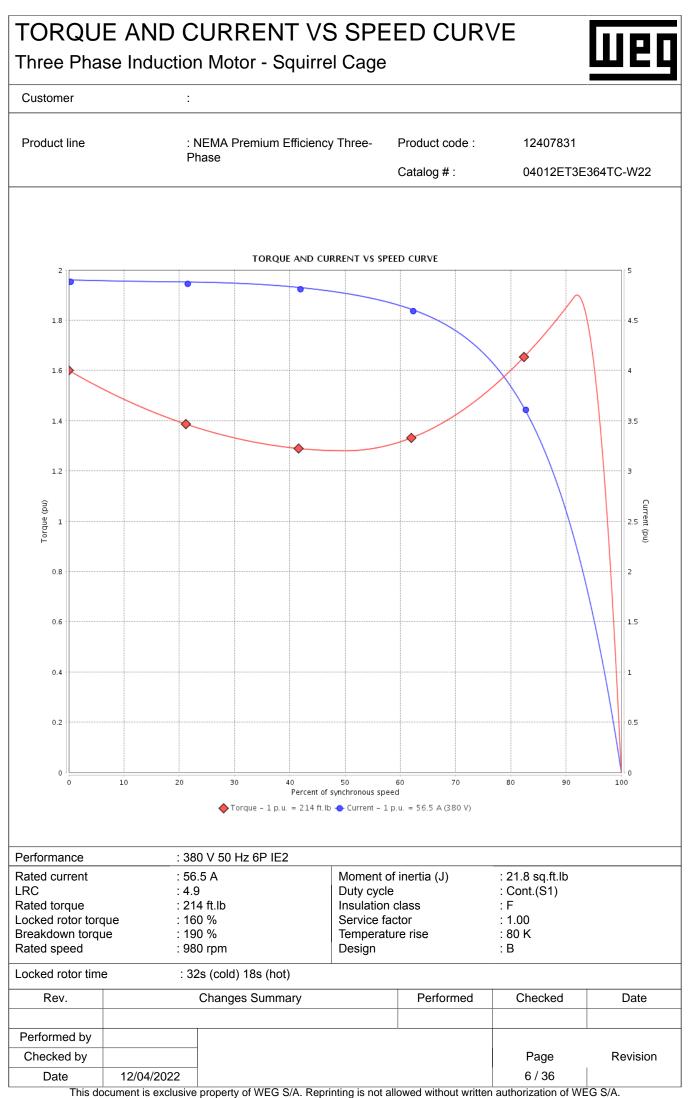
TORQUE AND CURRENT VS SPEED CURVE

Three Phase Induction Motor - Squirrel Cage





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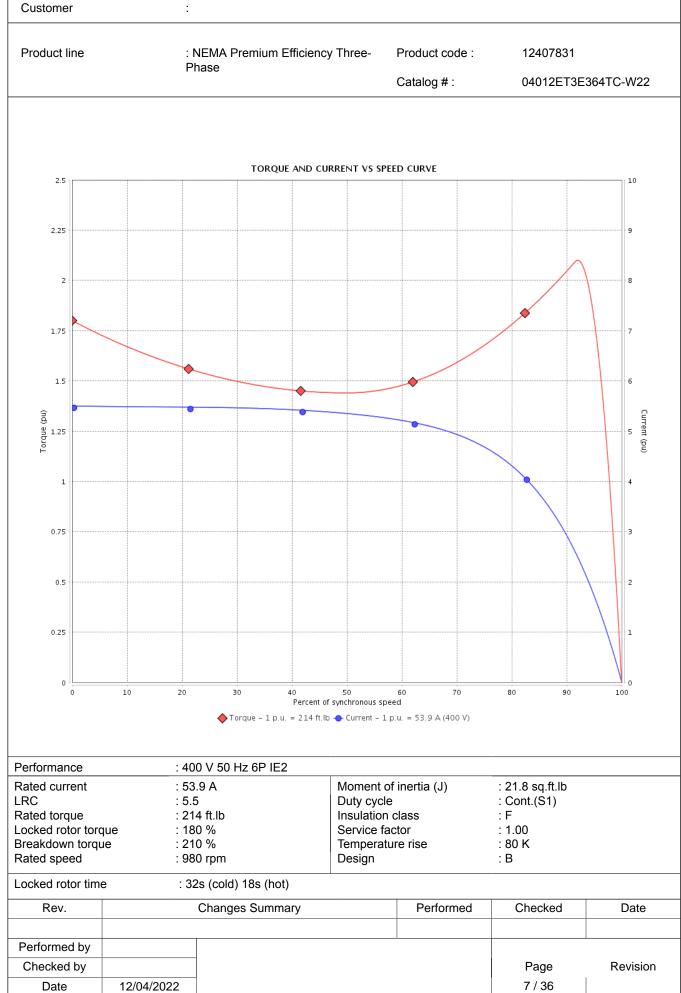


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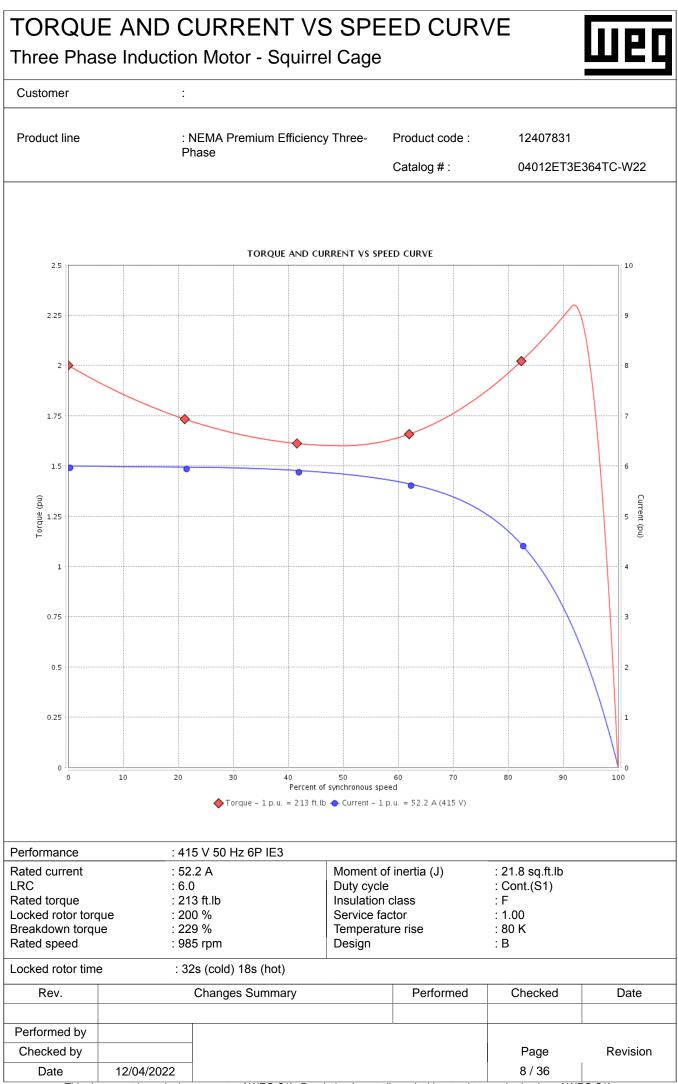
TORQUE AND CURRENT VS SPEED CURVE

Three Phase Induction Motor - Squirrel Cage



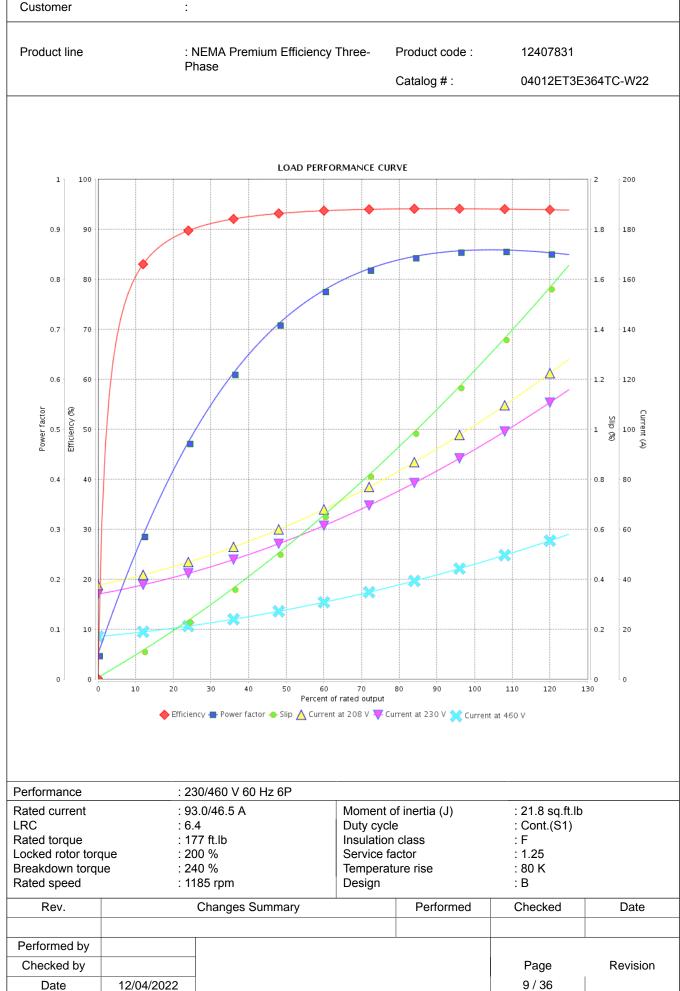


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Three Phase Induction Motor - Squirrel Cage

Customer



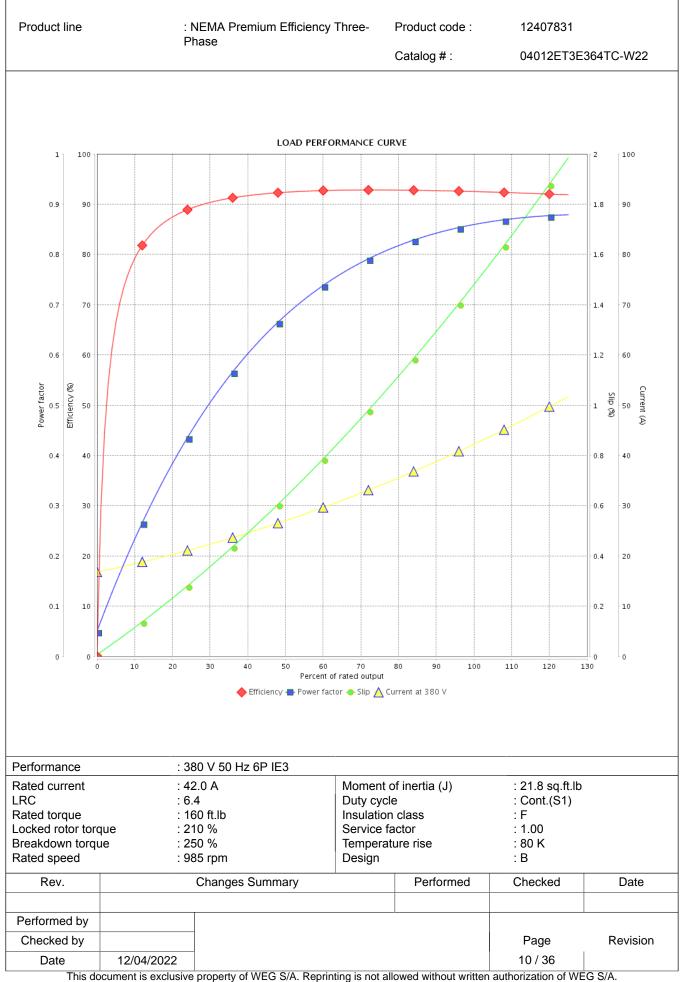
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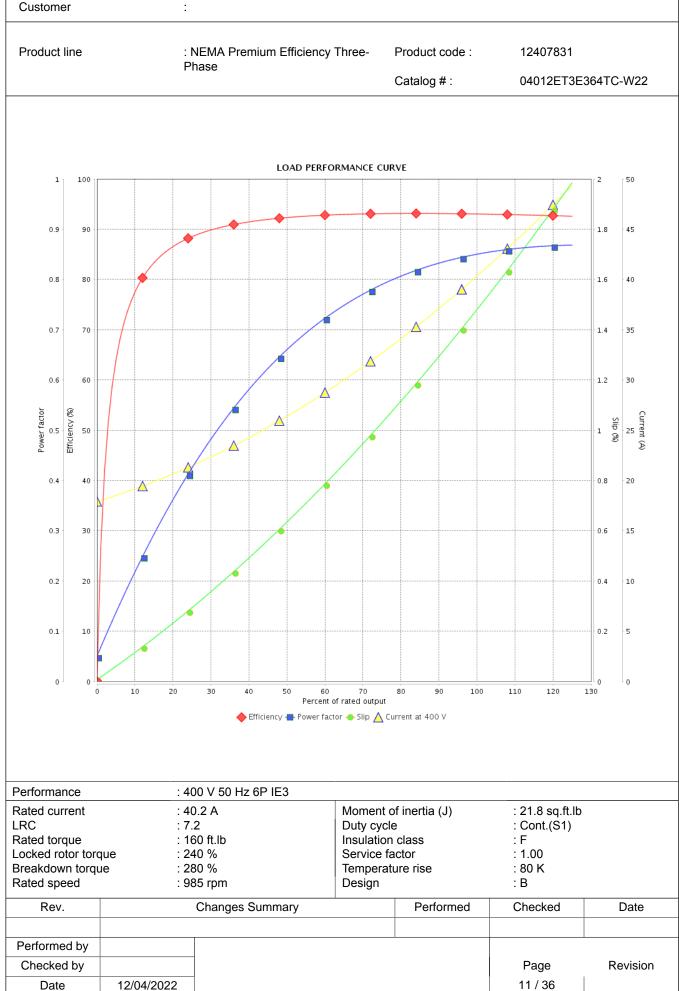


Customer



Three Phase Induction Motor - Squirrel Cage

Customer



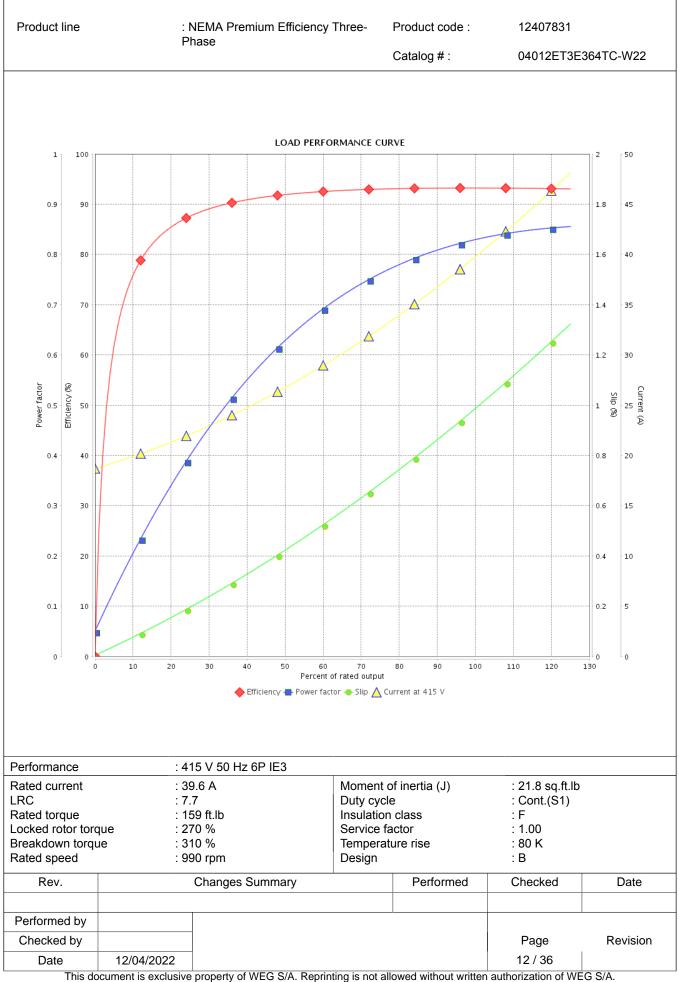
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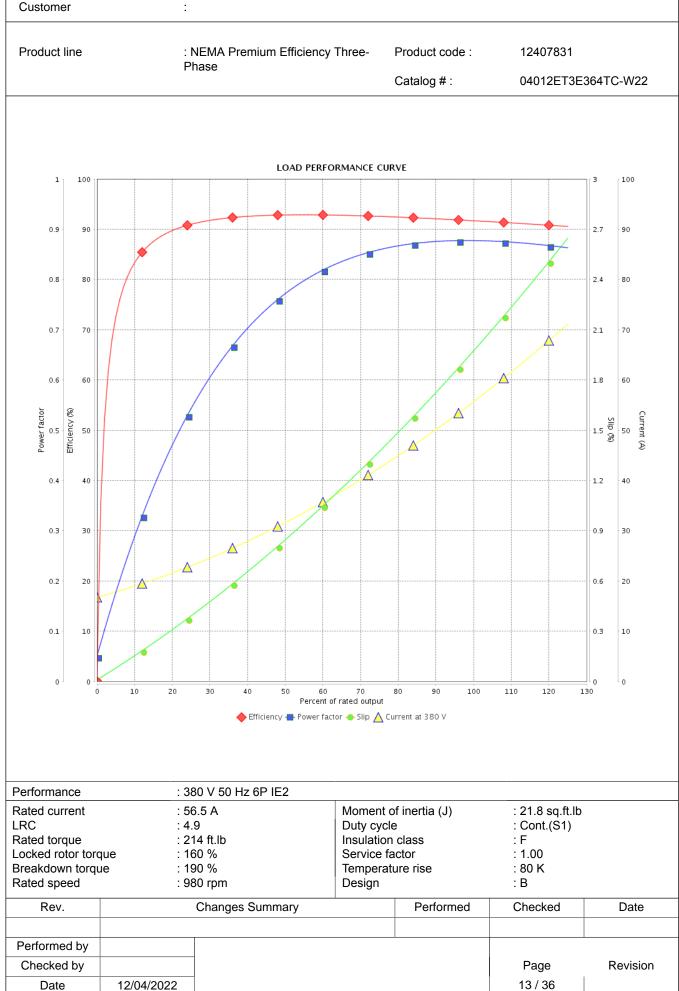


Customer



Three Phase Induction Motor - Squirrel Cage

Customer



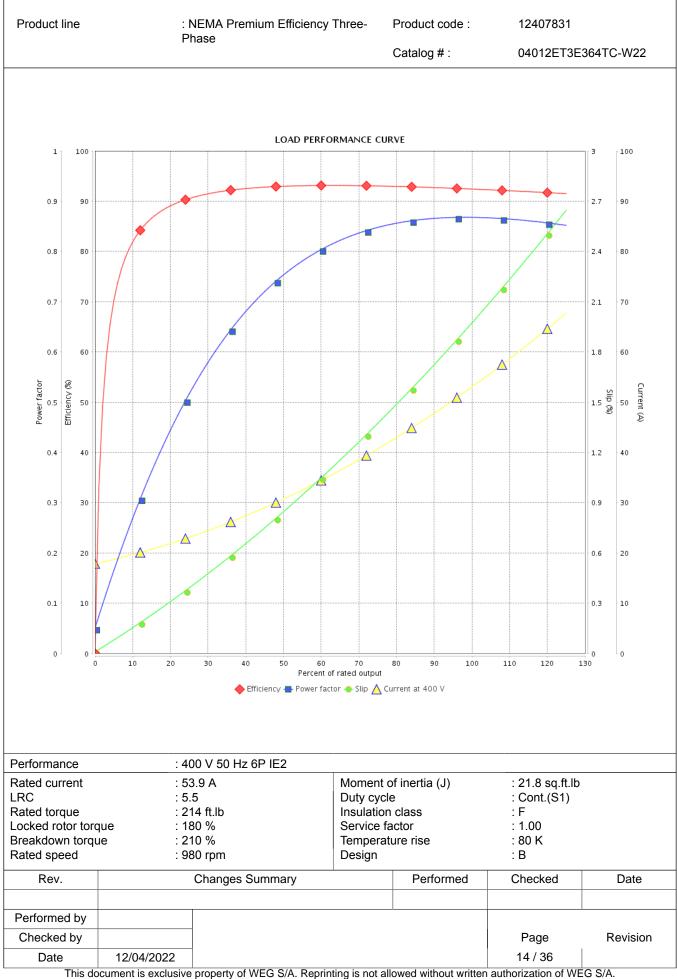
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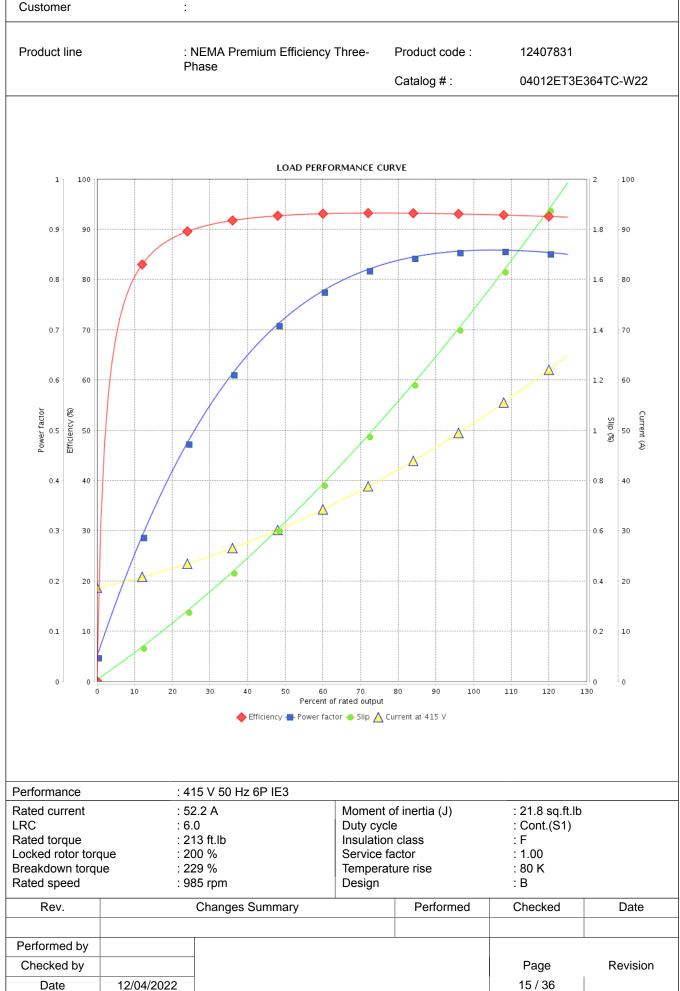
Customer



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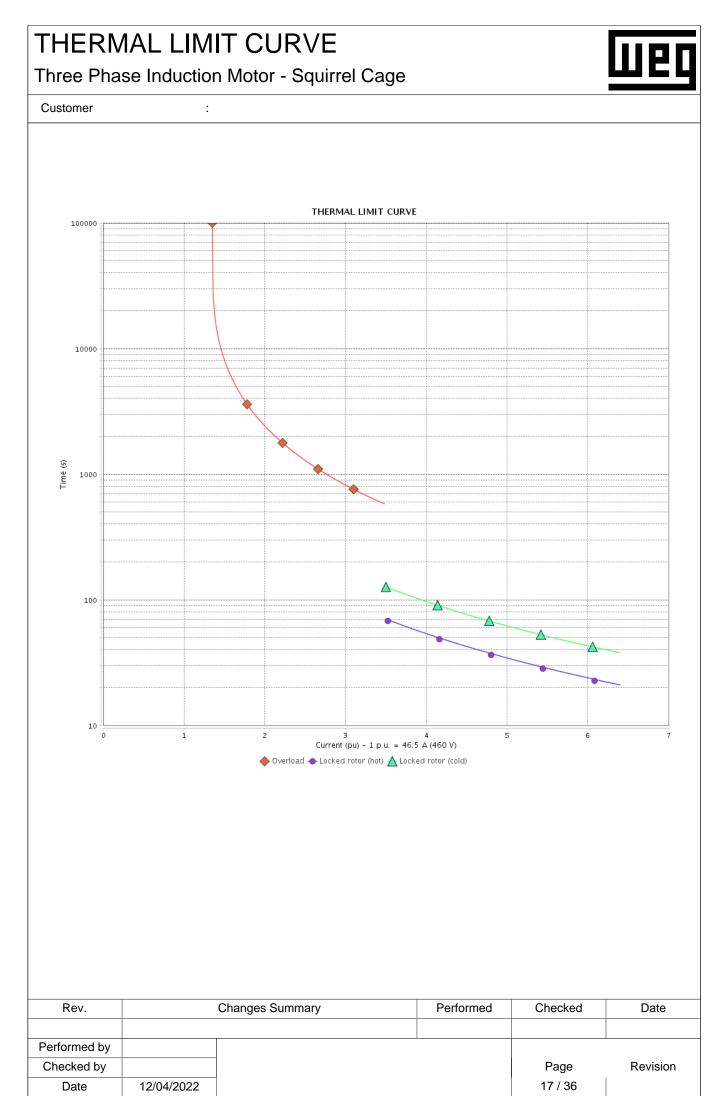
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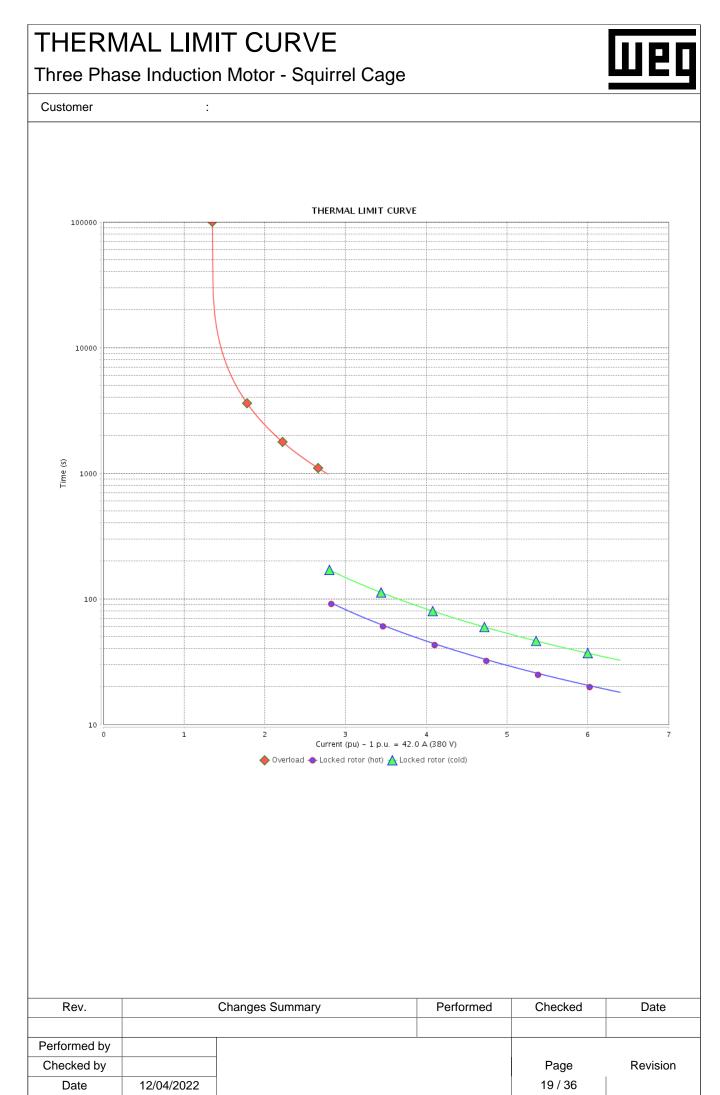
THERMAL LI	MIT CURVE		luon
Three Phase Induc	шсч		
Customer	:		
Product line	: NEMA Premium Efficiency Three- Phase	Product code :	12407831
	Thase	Catalog # :	04012ET3E364TC-W22

Performance	: 23	30/460 V 60 Hz 6P				
Rated current	: 93	3.0/46.5 A	Moment o	f inertia (J)	: 21.8 sq.ft.lb	
LRC	: 6.	.4	Duty cycle	;	: Cont.(S1)	
Rated torque	: 17	77 ft.lb	Insulation	class	:F	
Locked rotor tor	que : 20	00 %	Service fa	ctor	: 1.25	
Breakdown torqu	.ue : 24	40 % Temperature rise		: 80 K		
Rated speed	: 1′	185 rpm	•		: B	
Heating constant						
Cooling constant	t					
Rev.	Changes Summary			Performed	Checked	Date
Performed by						
Checked by]			Page	Revision
Date	12/04/2022	1			16 / 36	



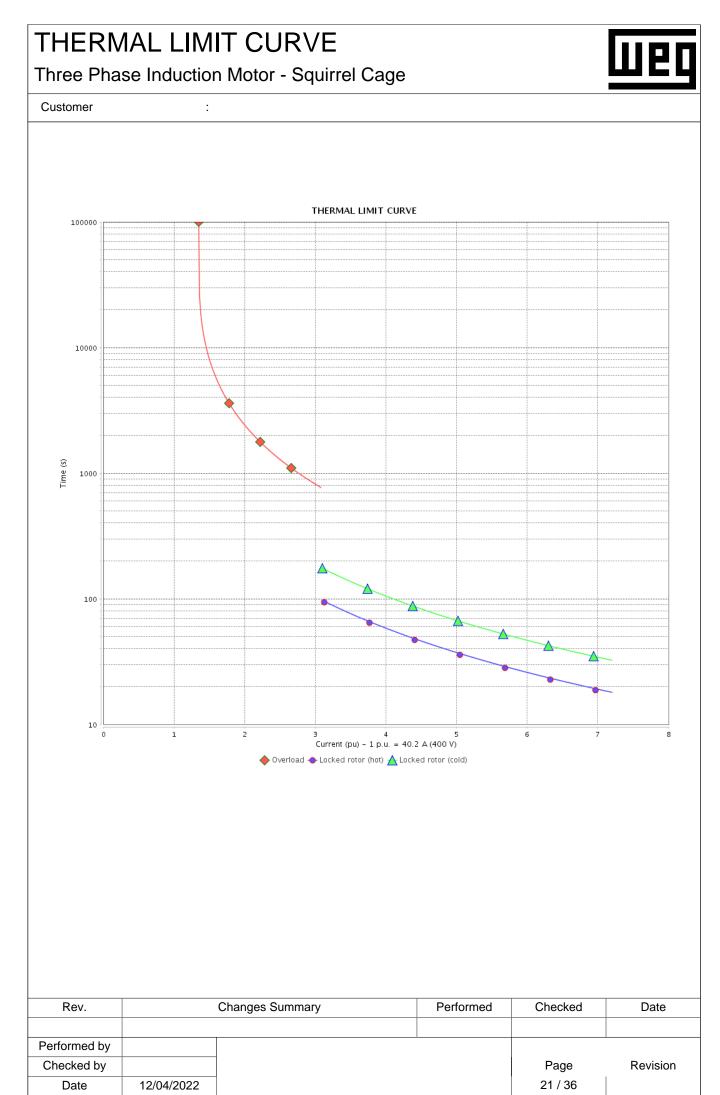
THERMAL I	Шер		
Customer	:		
Product line	: NEMA Premium Efficiency Three- Phase	Product code :	12407831
	T HUGO	Catalog # :	04012ET3E364TC-W22

Performance	: 3	80 V 50 Hz 6P IE3				
Rated current LRC Rated torque Locked rotor torc Breakdown torqu Rated speed	: 6 : 1 jue : 2 ie : 2	2.0 A 5.4 60 ft.lb 10 % 50 % 85 rpm	Moment o Duty cycle Insulation Service fa Temperatu Design	class ctor	: 21.8 sq.ft.lb : Cont.(S1) : F : 1.00 : 80 K : B	
Heating constant						
Rev.		Changes Summary		Performed	Checked	Date
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Date	12/04/2022				18 / 36	



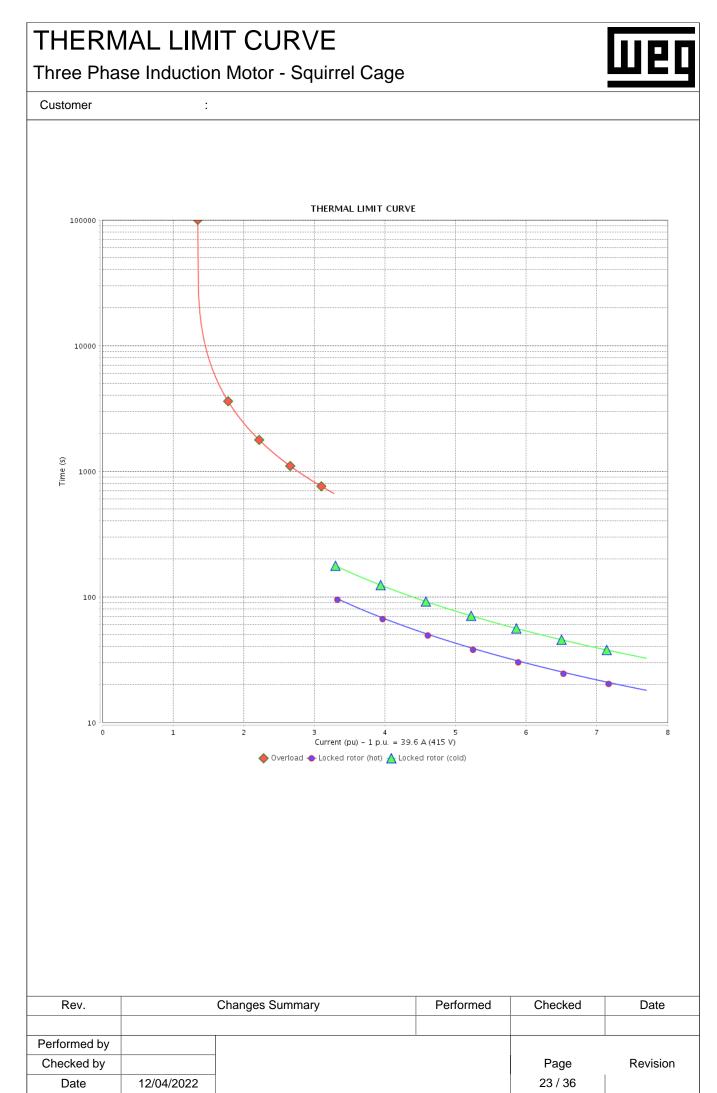
THERMAL	UPD		
Three Phase Ind			
Customer	:		
Product line	: NEMA Premium Efficiency Three- Phase	Product code :	12407831
	That	Catalog # :	04012ET3E364TC-W22

Performance	: 40	00 V 50 Hz 6P IE3				
Rated current LRC Rated torque Locked rotor toro Breakdown torqu Rated speed	: 7. : 16 que : 22 ue : 28	0.2 A 2 60 ft.lb 40 % 30 % 35 rpm	AMoment of inertia (J)Duty cycleInsulation class6Service factor6Temperature rise		: 21.8 sq.ft.lb : Cont.(S1) : F : 1.00 : 80 K : B	
Heating constant	t					
Cooling constant	t					
Rev.		Changes Summary		Performed	Checked	Date
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Date	12/04/2022				20 / 36	



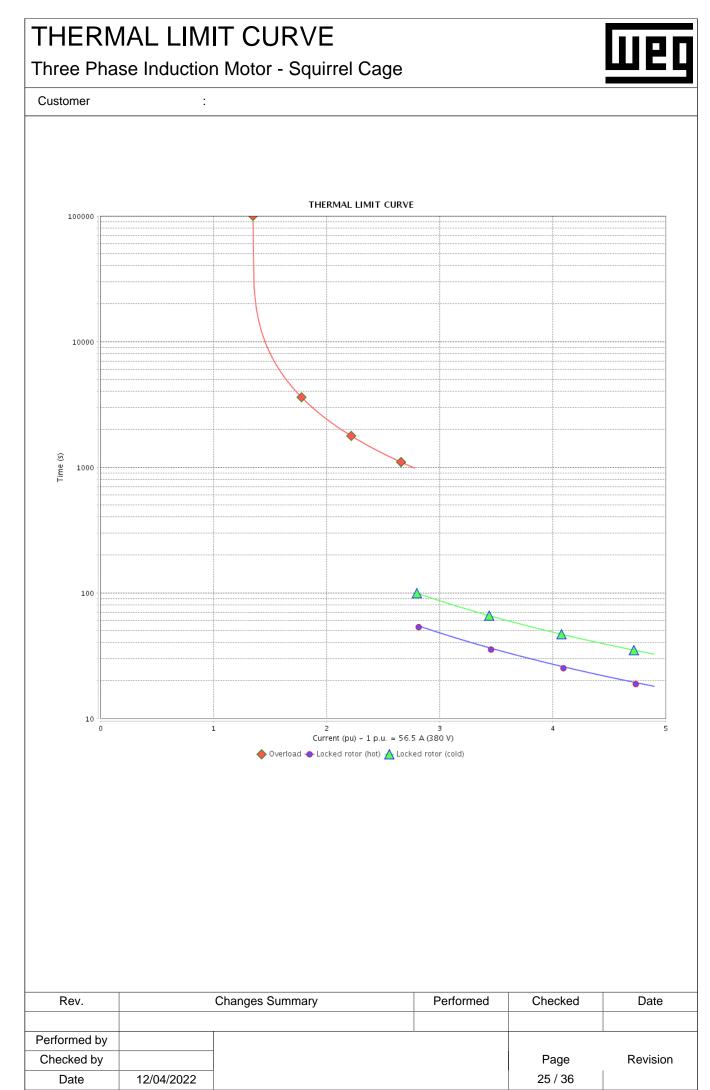
THERMAL	LIMIT CURVE		lien
Three Phase Inc	duction Motor - Squirrel Cage	9	
Customer	:		
Product line	: NEMA Premium Efficiency Three- Phase	Product code :	12407831
	1 Hast	Catalog # :	04012ET3E364TC-W22

Performance	: 4	15 V 50 Hz 6P IE3				
Rated current: 39.6 ALRC: 7.7Rated torque: 159 ft.lbLocked rotor torque: 270 %Breakdown torque: 310 %Rated speed: 990 rpm		Duty cycle:Insulation class:Service factor:Temperature rise:		: 21.8 sq.ft.lb : Cont.(S1) : F : 1.00 : 80 K : B		
Heating constan	t					
Cooling constant	t					
Rev.	Changes Summary			Performed	Checked	Date
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Date	12/04/2022				22 / 36	



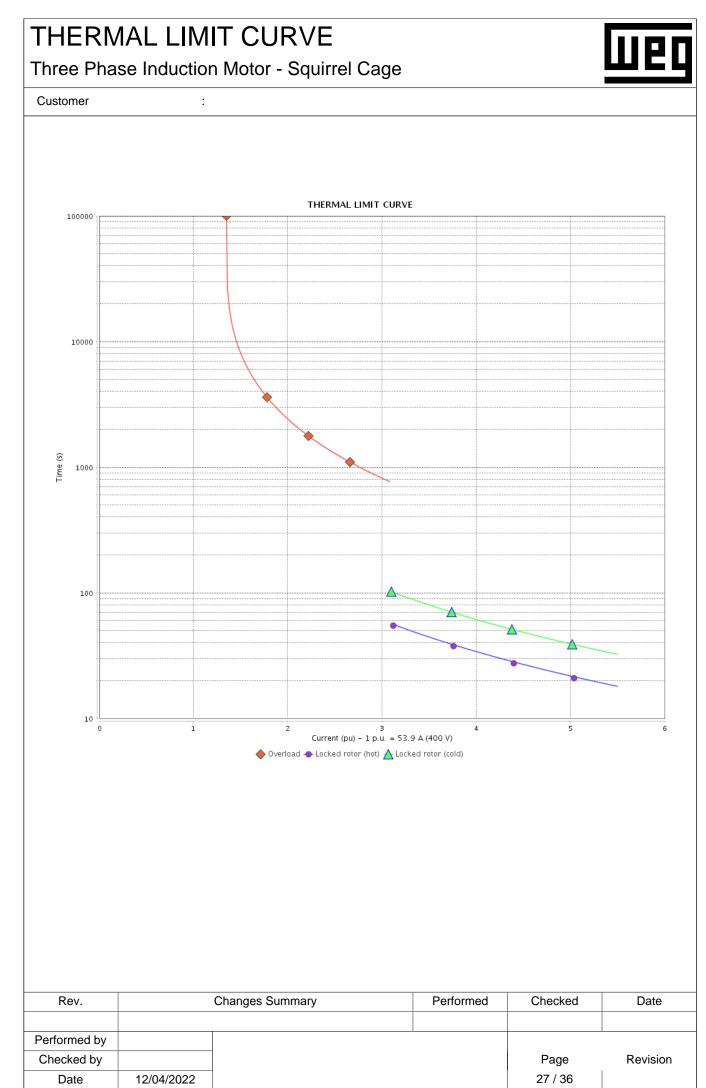
THERMAL	IIPO		
Three Phase Ind			
Customer	:		
Product line	: NEMA Premium Efficiency Three- Phase	Product code :	12407831
	Thase	Catalog # :	04012ET3E364TC-W22

Performance	: 38	80 V 50 Hz 6P IE2				
Rated current LRC Rated torque Locked rotor toro Breakdown torqu Rated speed	: 4. : 2 que : 10 ue : 19	6.5 A .9 14 ft.lb 60 % 90 % 80 rpm	Moment of inertia (J) Duty cycle Insulation class Service factor Temperature rise Design		: 21.8 sq.ft.lb : Cont.(S1) : F : 1.00 : 80 K : B	
Heating constan Cooling constan						
Rev.		Changes Summary		Performed	Checked	Date
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Checked by					Page	Revision
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THERMAL LI Three Phase Induc	Шед		
Customer	:		
Product line	: NEMA Premium Efficiency Three- Phase	Product code :	12407831
		Catalog # :	04012ET3E364TC-W22

Performance : 400 V 50		400 V 50 Hz 6P IE2				
Rated current:LRC:Rated torque:Locked rotor torque:Breakdown torque:		53.9 A 5.5 214 ft.lb 180 % 210 % 980 rpm	Moment of inertia (J) Duty cycle Insulation class Service factor Temperature rise Design		: 21.8 sq.ft.lb : Cont.(S1) : F : 1.00 : 80 K : B	
Cooling constant	t					
Rev.	Changes Summary			Performed	Checked	Date
Performed by						
Checked by					Page	Revision
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THERMAL	LIMIT CURVE			
Three Phase Inc	duction Motor - Squirrel Cage)		
Customer	:			
Product line	: NEMA Premium Efficiency Three- Phase	Product code :	12407831	
	Thase	Catalog # :	04012ET3E364TC-W22	

Cooling constant Rev.

Performance Rated current

Rated torque

Rated speed

Locked rotor torque

Breakdown torque

Heating constant

LRC

Performed by Checked by Page Revision 12/04/2022 28/36 Date This document is exclusive property of WEG S/A. Reprinting is not allowed without written authorization of WEG S/A.

: 415 V 50 Hz 6P IE3

Changes Summary

: 52.2 A

: 213 ft.lb

: 200 %

: 229 %

: 985 rpm

: 6.0

Subject to change without notice

Performed

Moment of inertia (J)

Duty cycle Insulation class

Design

Service factor

Temperature rise

: 21.8 sq.ft.lb : Cont.(S1)

: F

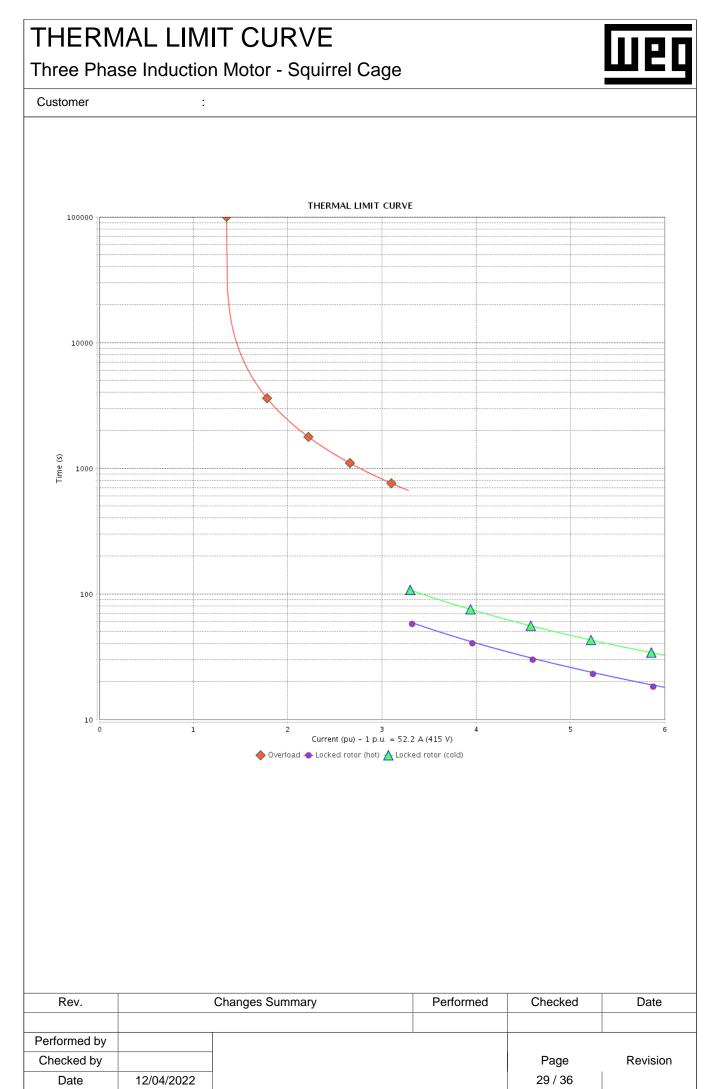
: B

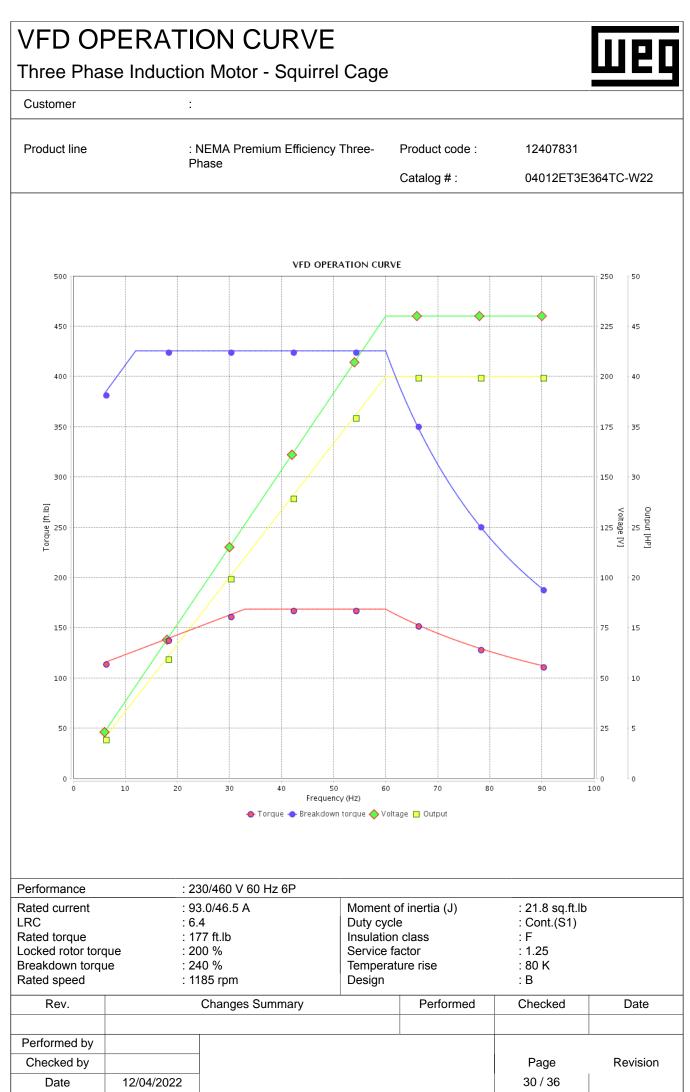
: 1.00

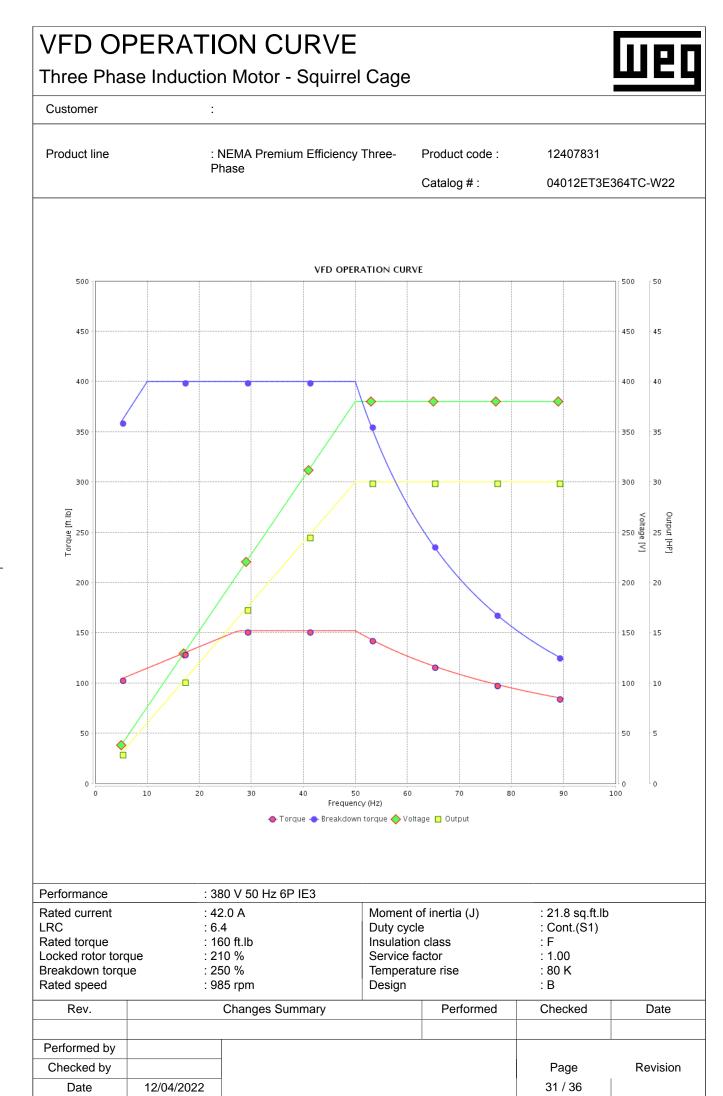
: 80 K

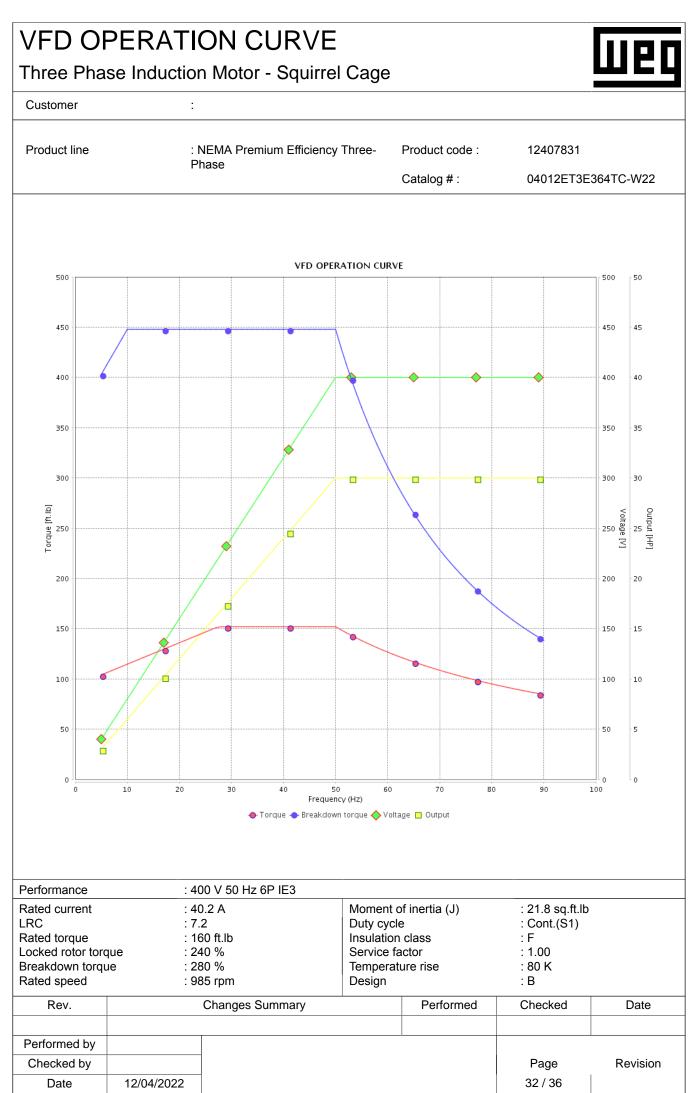
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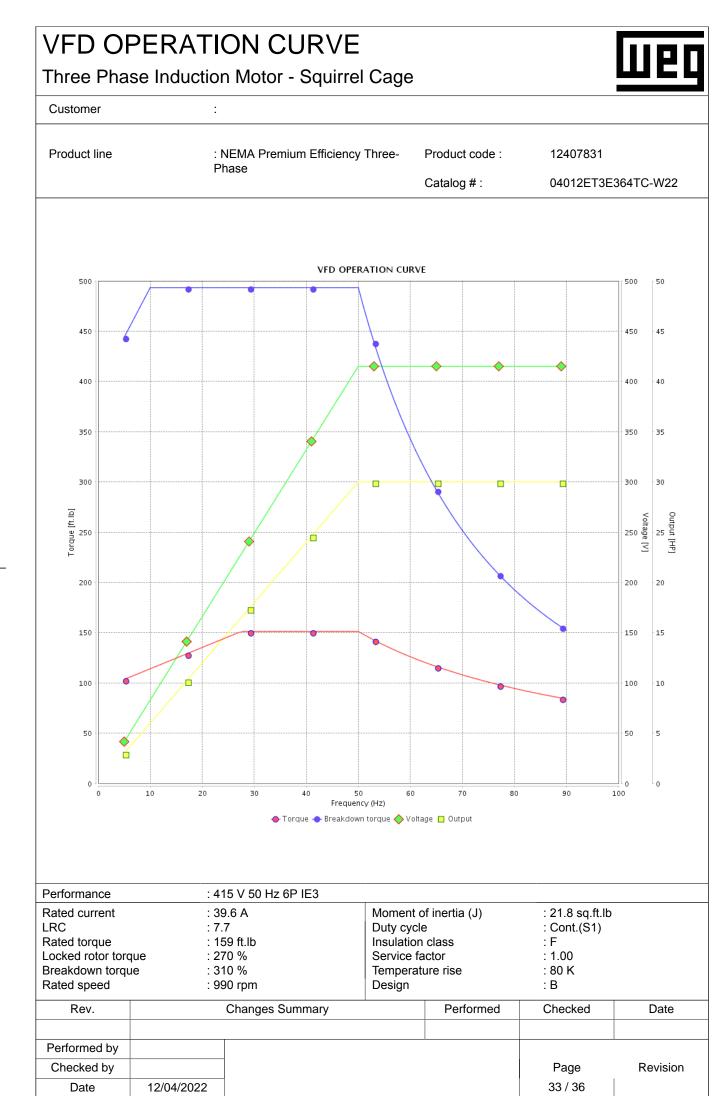
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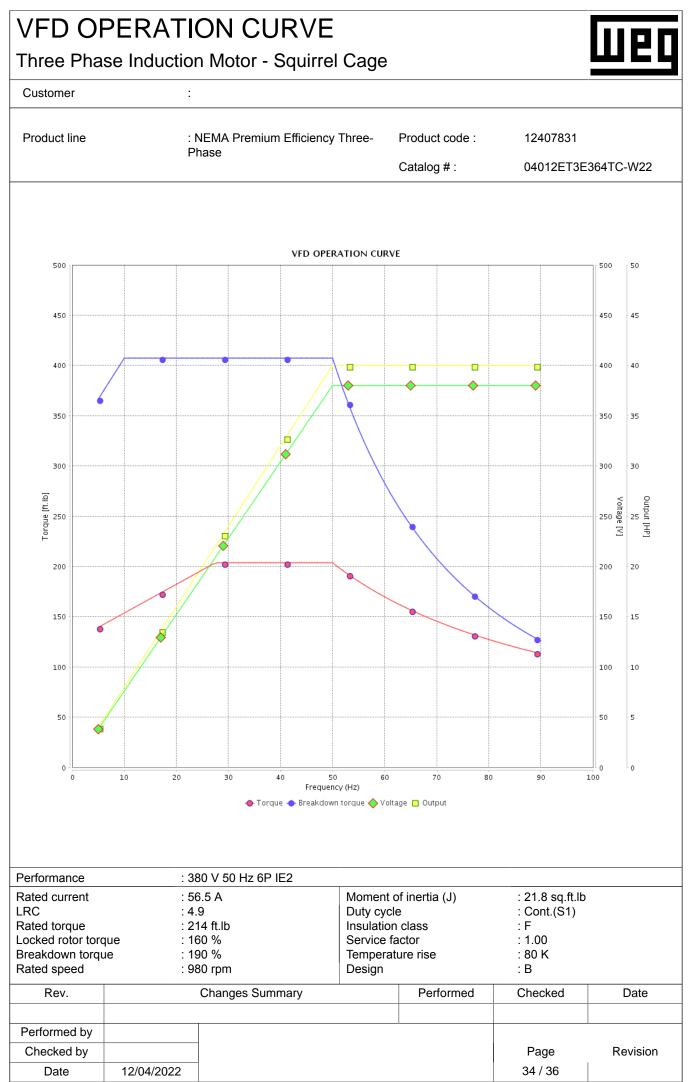


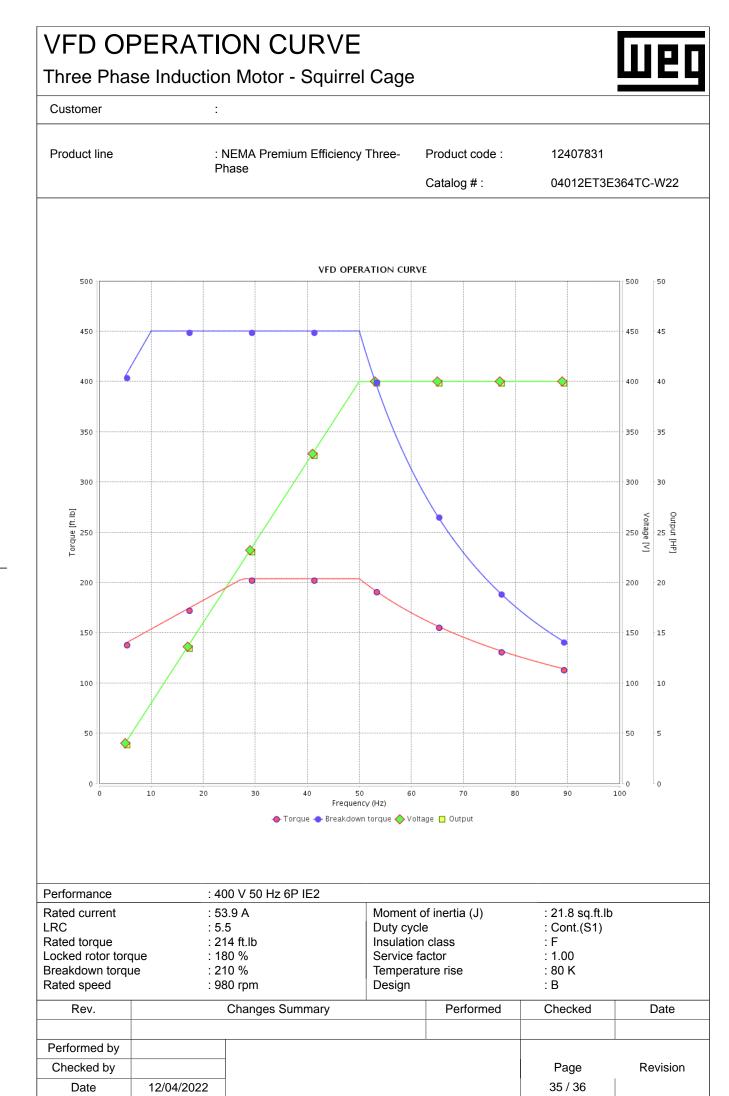


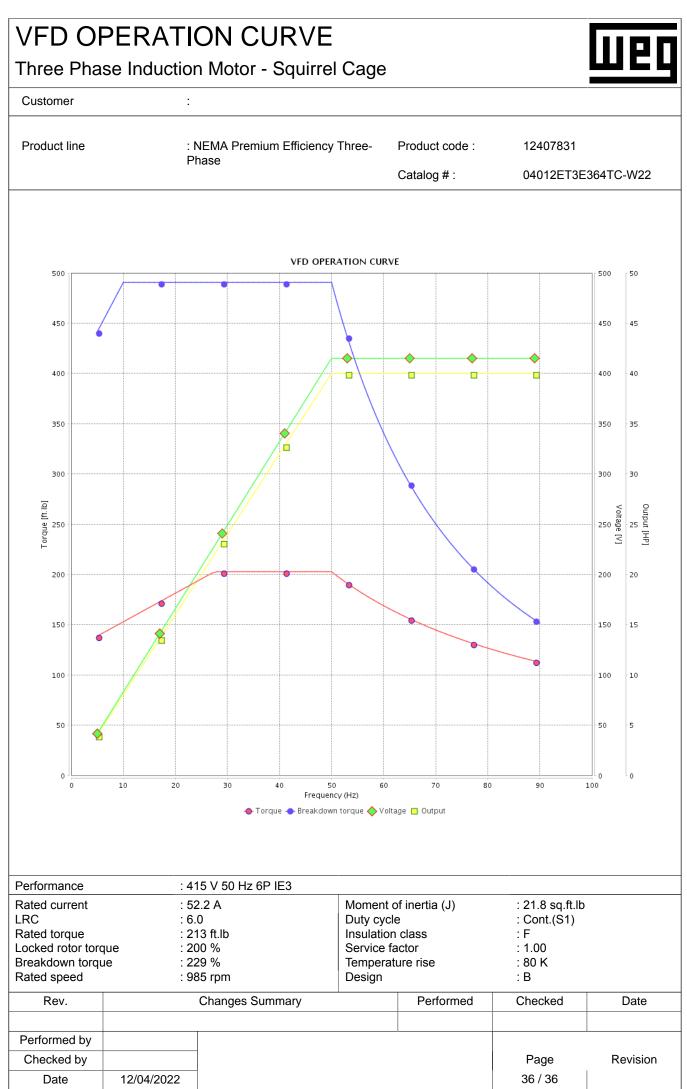


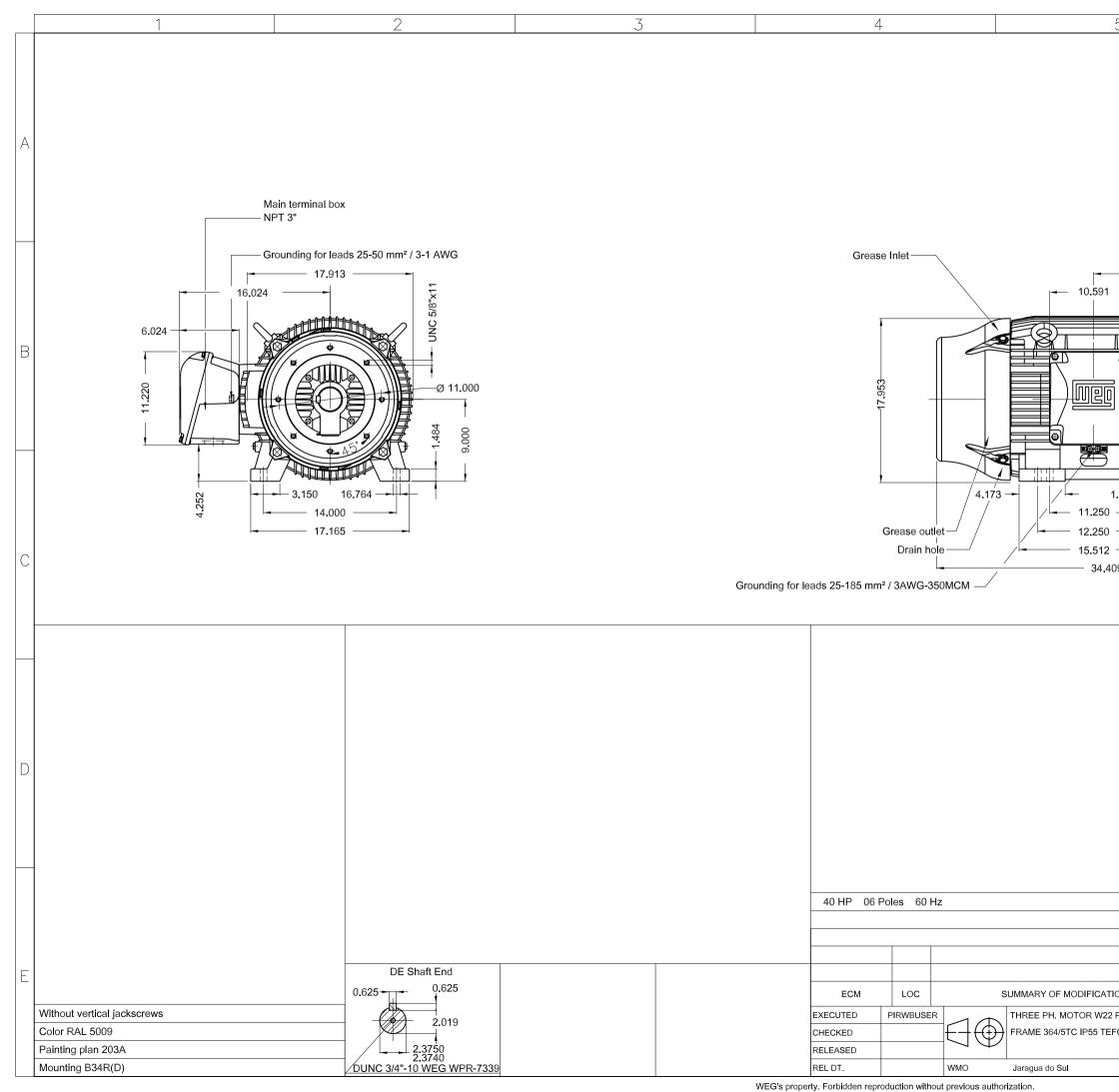












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IONS EXECUTED CHECKED RELEASED DATE VER PREM. EFF. FC WDD	1.634 5.875		-5.874 -Grease outlet			Dimensions in inches
	IONS	EXECUTED	CHECKED	RELEASED	DATE	
				EW		A3
	Product	t Engineering		1 / 1	шС	