DATA SHEET

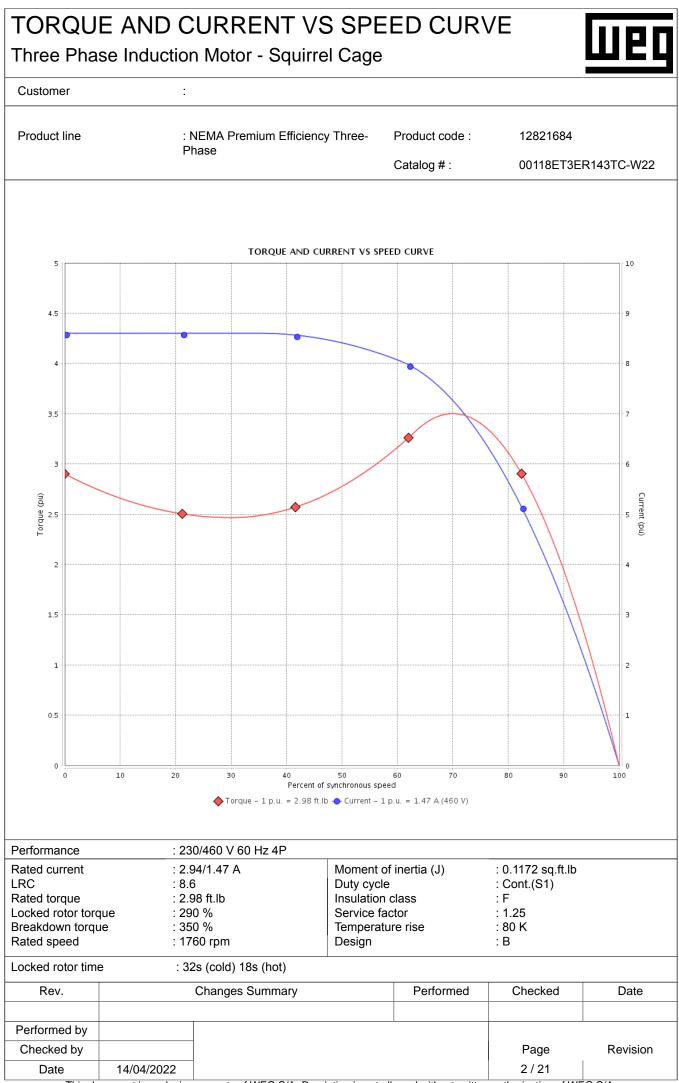
Three Phase Induction Motor - Squirrel Cage

:



Customer

Product line		: NEMA Premium Effi Phase	ciency T	hree- Pro	oduct code :	128216	684	
		Phase		Ca	talog # :	00118E	T3ER143TC-W22	
Frame Insulation class Duty cycle Ambient tempera Altitude Protection degre Design		: 143TC : F : Cont.(S1) : -20°C to +40°C : 1000 m.a.s.l. : IP55 : B		Cooling me Mounting Rotation ¹ Starting me Approx. we Moment of	ethod eight ³	: W-6 : Both (: Direct : 43.3	- TEFC (CW and CCW) (On Line b 2 sq.ft.lb	
Output [HP]		1		1	1	1	1	
		4		4	4		4	
Frequency [Hz]		60		50	5		50	
Rated voltage [V]		230/460		380	40		415	
Rated current [A]		2.94/1.47		1.71	1.6		1.63	
. R. Amperes [A]		25.3/12.6		10.9	11		12.1	
.RC [A]		8.6x(Code M)	6.	4x(Code J)	7.0x(C		7.4x(Code K)	
No load current [A	1	1.88/0.940	0	0.930	1.0		1.08	
Rated speed [RPN		1760		1450	14		1455	
Slip [%]	1	2.22		3.33	3.0		3.00	
Rated torque [ft.lb]	1	2.98		3.62	3.6		3.61	
_ocked rotor torqu		2.90		220	24		260	
Breakdown torque		350		250	29		310	
Service factor	, [,]		1.25		1.2		1.25	
Temperature rise			80 K		80		80 K	
Locked rotor time		32s (cold) 18s (hot)			80 K 80 cold) 18s (hot) 32s (cold		32s (cold) 18s (hot)	
Noise level ²		51.0 dB(A)			49.0 c		49.0 dB(A)	
	25%	78.4		79.6	78		78.4	
	50%	80.0		80.0	80		80.0	
Efficiency (%)	75%	84.0		82.5	82		82.5	
	100%	85.5	82.5		84		84.0	
	25%	0.31		0.36	0.3		0.31	
	50%	0.55		0.62	0.5		0.55	
Power Factor	75%	0.68		0.74	0.0		0.69	
	100%	0.75		0.81	0.7		0.76	
Bearing type		Drive end Non di : 6205 ZZ 62	r <u>ive end</u> 04 ZZ	1	loads	: 75 lb		
Sealing		: V'Ring V	'Ring	Max. comp	ression	: 119 lb		
Lubrication interv	val	: -	-					
Lubricant amoun	it	: -	-					
Lubricant type		: Mobil Polyrex I	ΞM					
Notes USABLE @208V	3.07A SF 1.	15 SFA 3.54A						
must be eliminate (1) Looking the m (2) Measured at 1	ed. lotor from the Im and with to weight subject ocess.	icel the previous one, w shaft end. olerance of +3dB(A). t to changes after	hich				sts with sinusoidal stipulated in NEMA	
Rev.		Changes Summary	/	·	Performed	Checked	d Date	
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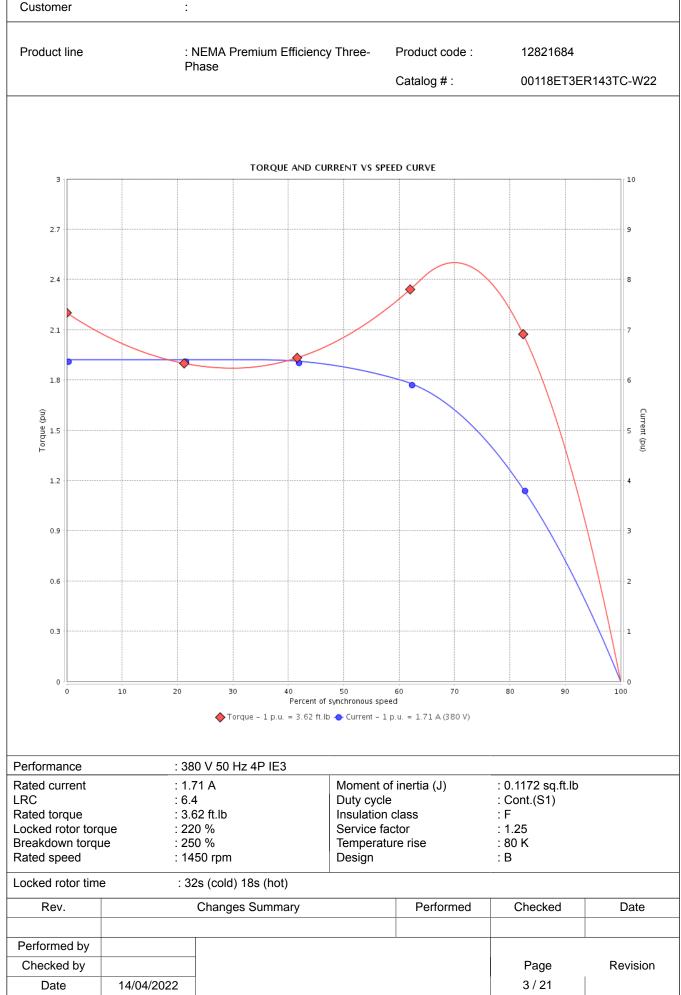


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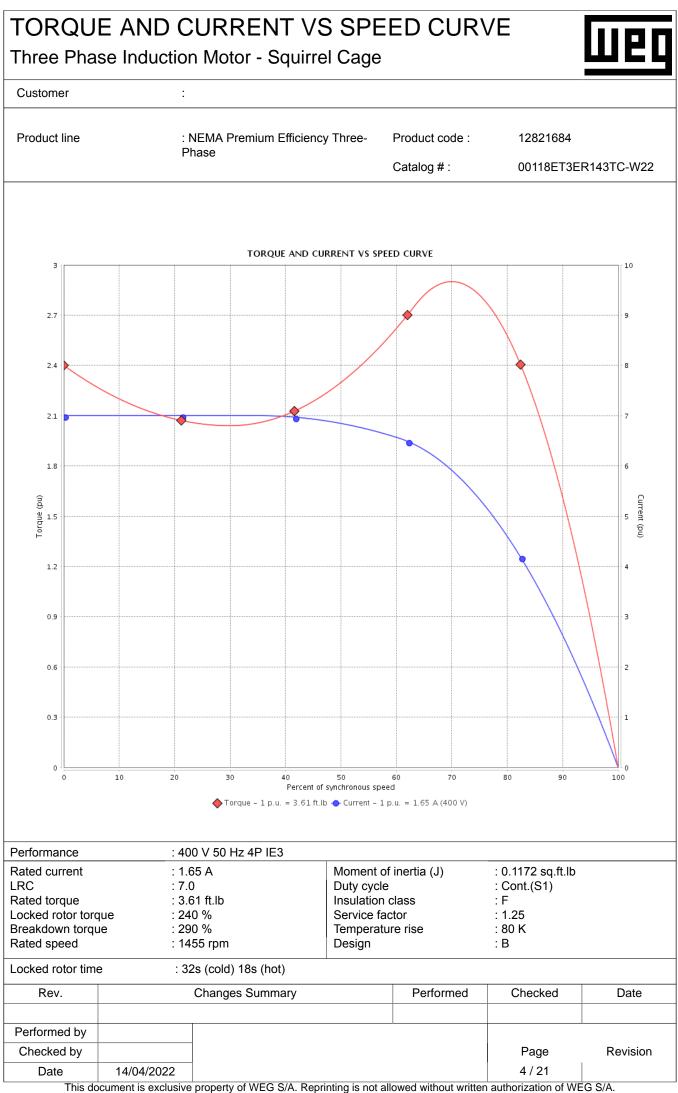
TORQUE AND CURRENT VS SPEED CURVE

Three Phase Induction Motor - Squirrel Cage





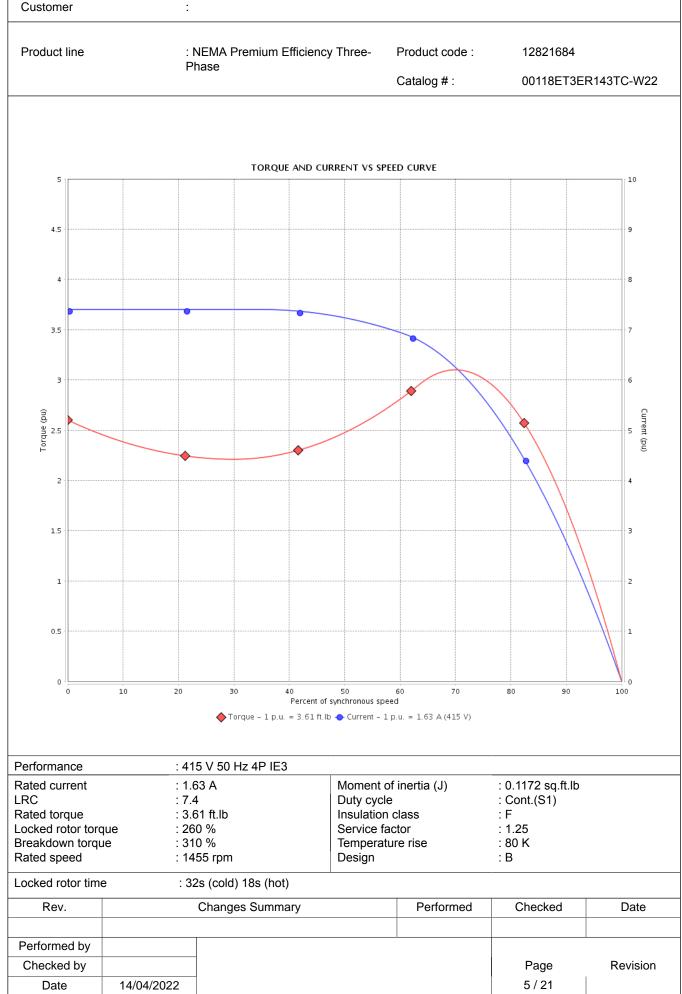
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TORQUE AND CURRENT VS SPEED CURVE

Three Phase Induction Motor - Squirrel Cage

Customer



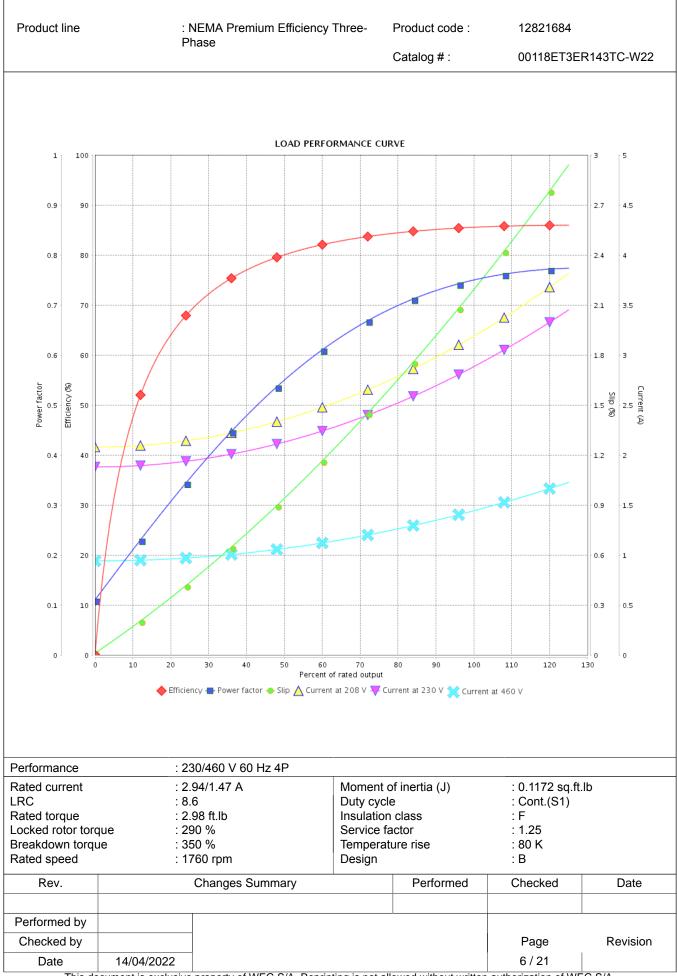
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LOAD PERFORMANCE CURVE Three Phase Induction Motor - Squirrel Cage



Customer

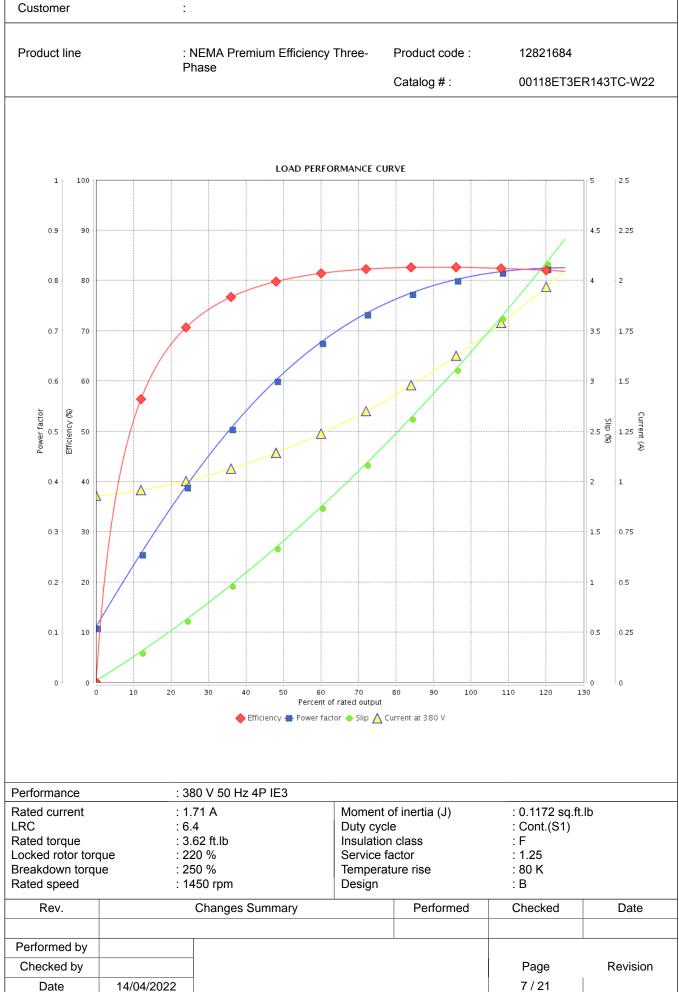
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LOAD PERFORMANCE CURVE

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Customer



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LOAD PERFORMANCE CURVE Three Phase Induction Motor - Squirrel Cage Customer : Product line : NEMA Premium Efficiency Three-Product code : 12821684 Phase Catalog # : 00118ET3ER143TC-W22 LOAD PERFORMANCE CURVE 100 1 2 4.5 1.8 0.9 90 0.8 80 4 1.6 3.5 1.4 70 0.7 Δ 0.6 60 3 1.2 \wedge Efficiency (%) Power factor Current \wedge 2.5 % 0.5 50 1 Þ 0.4 40 2 0.8 0.3 30 1.5 0.6 0.2 20 1 04 0.1 10 0.5 0.2 0 0 0 0 ó 10 20 110 120 130 30 40 50 60 70 80 90 100 Percent of rated output 🔶 Efficiency 🖶 Power factor 🔶 Slip 🛕 Current at 400 V Performance : 400 V 50 Hz 4P IE3 : 1.65 A Rated current Moment of inertia (J) : 0.1172 sq.ft.lb LRC Duty cycle : Cont.(S1) : 7.0 : 3.61 ft.lb Insulation class Rated torque : F Locked rotor torque : 240 % Service factor : 1.25 Breakdown torque : 290 % Temperature rise : 80 K Rated speed : 1455 rpm Design : B Rev. Performed Checked Date **Changes Summary** Performed by Checked by Revision Page

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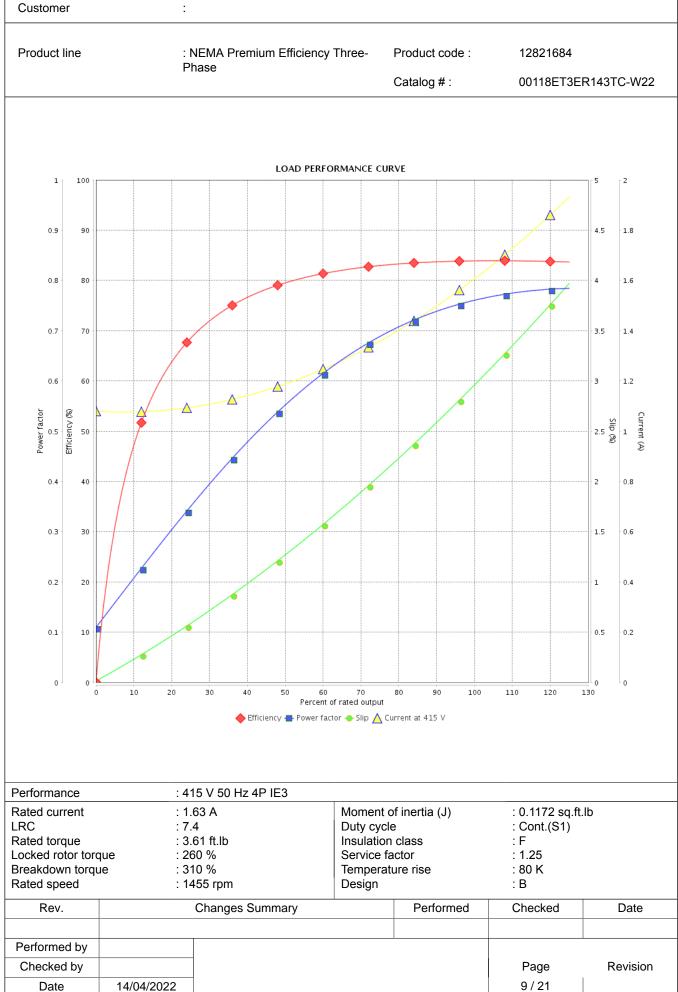
Date

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LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage

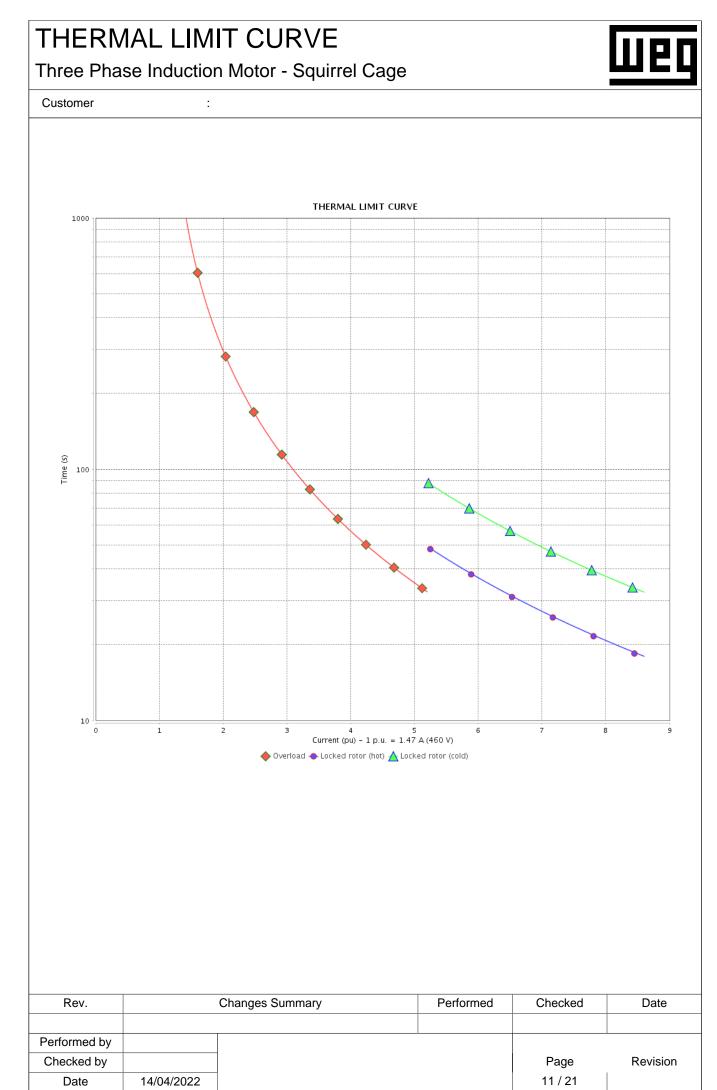
Customer



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roduct line	: NEMA Premium Efficiency Three-	Product code :	12821684
	Phase	Catalog # :	00118ET3ER143TC-W22

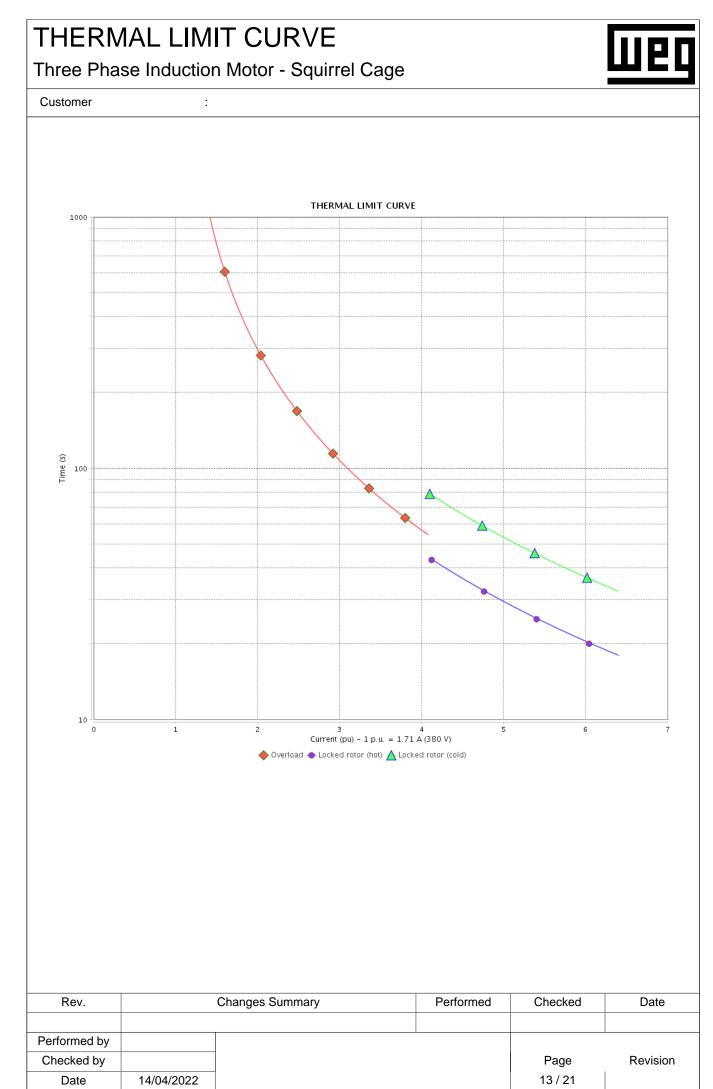
Performance	: 2	30/460 V 60 Hz 4P				
Rated current: 2.94/1.47 ALRC: 8.6Rated torque: 2.98 ft.lbLocked rotor torque: 290 %Breakdown torque: 350 %Rated speed: 1760 rpm		Moment of inertia (J) Duty cycle Insulation class Service factor Temperature rise Design		: 0.1172 sq.ft.lb : Cont.(S1) : F : 1.25 : 80 K : B		
Heating constan						
Cooling constan	t					
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Customer	nduction Motor - Squirrel Cage	5	
Customer	•		
Product line	: NEMA Premium Efficiency Three- Phase	Product code :	12821684
	T Hast	Catalog # :	00118ET3ER143TC-W22

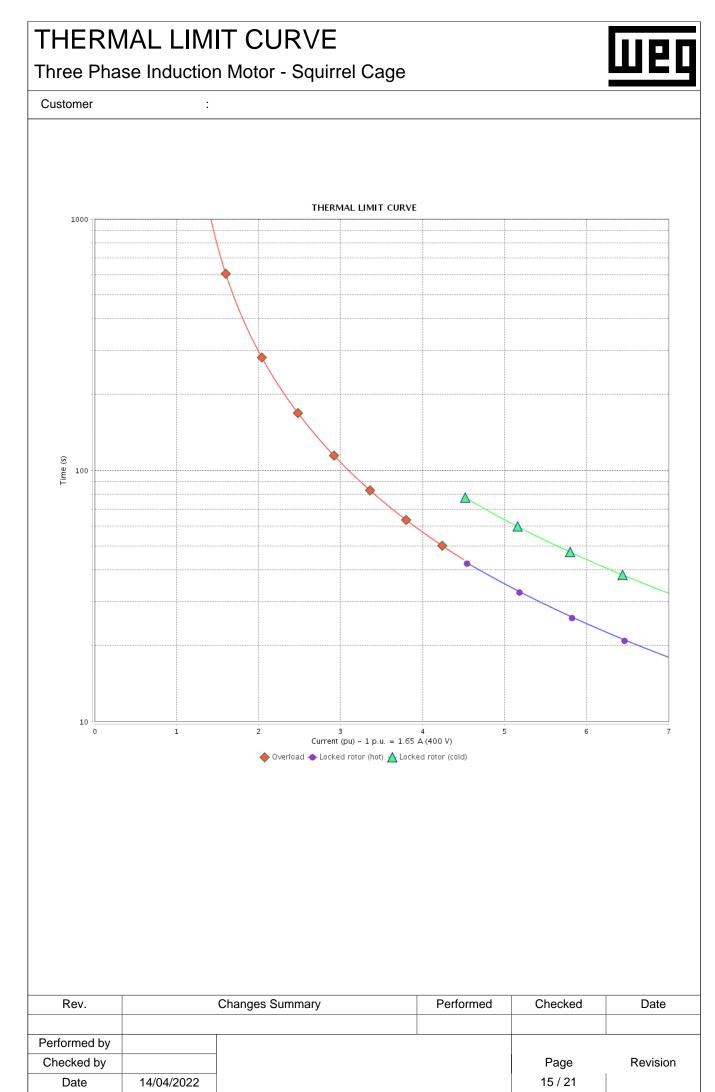
Performance	: ;	380 V 50 Hz 4P IE3	0 V 50 Hz 4P IE3				
Rated current: 1.71 ALRC: 6.4Rated torque: 3.62 ft.lbLocked rotor torque: 220 %Breakdown torque: 250 %Rated speed: 1450 rpm		Moment of inertia (J) Duty cycle Insulation class Service factor Temperature rise Design		: 0.1172 sq.ft.lb : Cont.(S1) : F : 1.25 : 80 K : B			
Heating constant	t						
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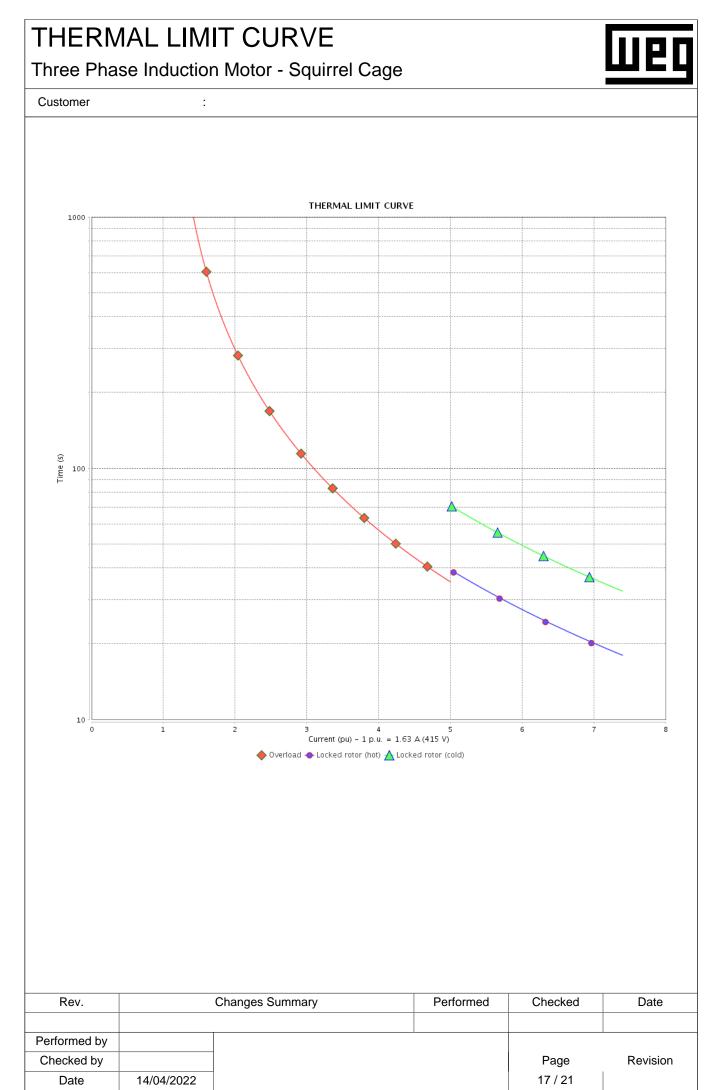
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Three Phase Indu	ction Motor - Squirrel Cage)	шеч
Customer	:		· · · · · · · · · · · · · · · · · · ·
Product line	: NEMA Premium Efficiency Three- Phase	Product code :	12821684
		Catalog # :	00118ET3ER143TC-W22

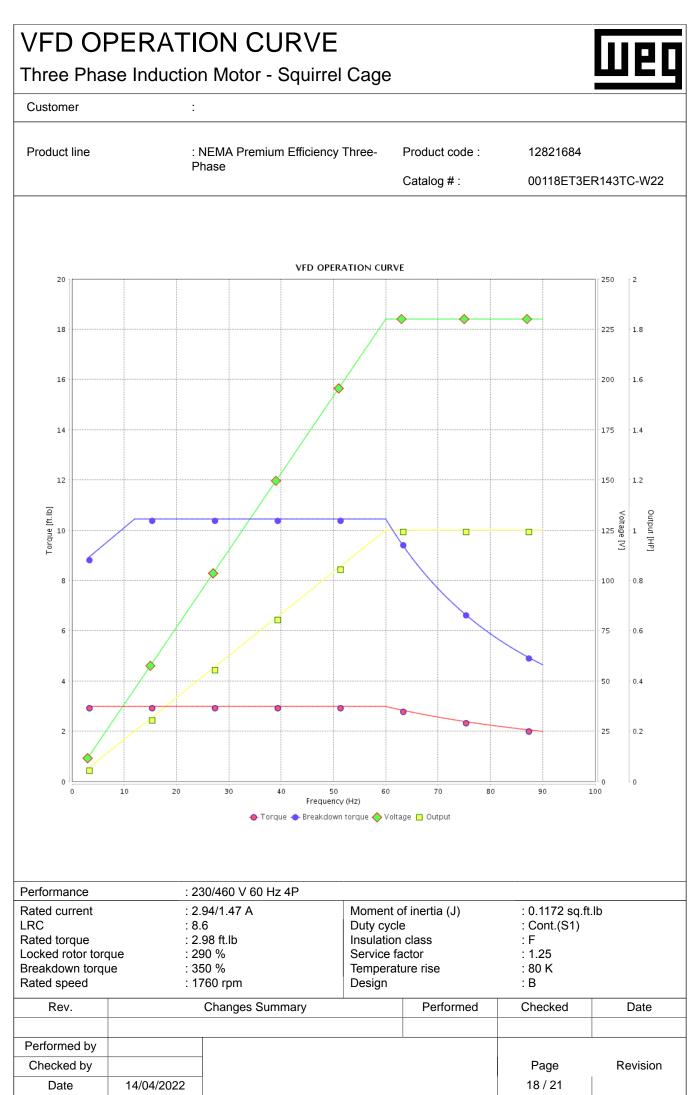
Performance	: 4	00 V 50 Hz 4P IE3						
Rated current LRC Rated torque Locked rotor toro Breakdown torqu Rated speed	: 7 : 3 que : 2 ue : 2	.65 A .0 .61 ft.lb 40 % 90 % 455 rpm	Moment of inertia (J) Duty cycle Insulation class Service factor Temperature rise Design		Duty cycle: Cont.Insulation class: FService factor: 1.25Temperature rise: 80 K		: 1.25 : 80 K	.lb
Heating constant					·			
Cooling constant	Cooling constant							
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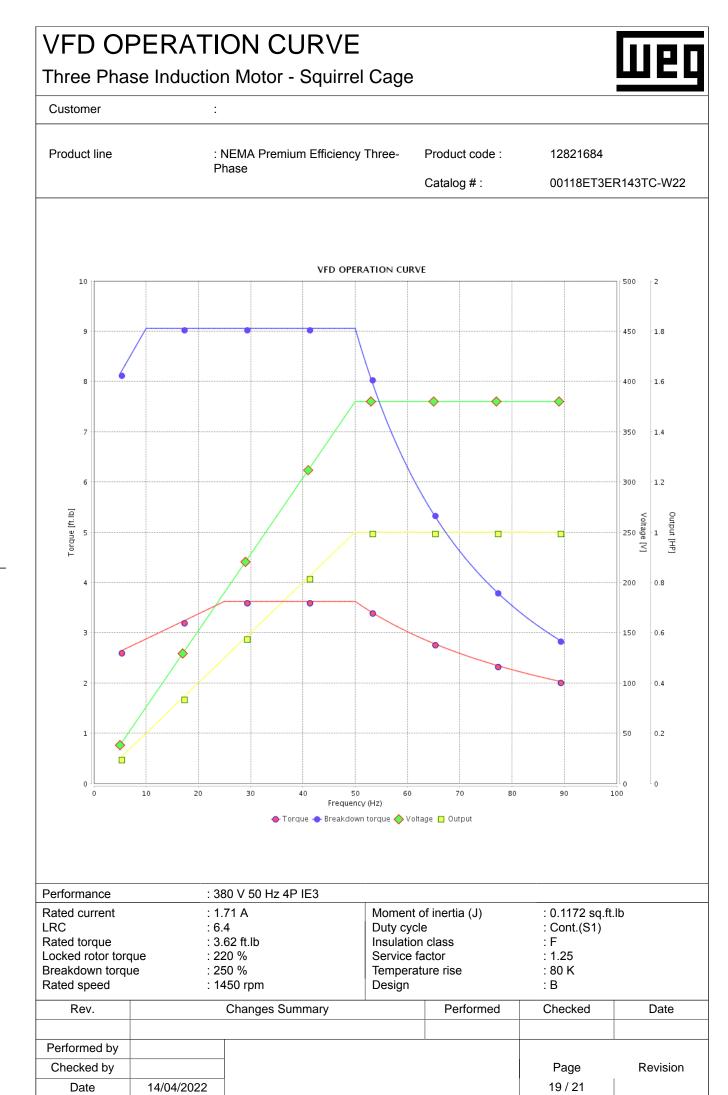
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Three Phase Ir	nduction Motor - Squirrel Cage	;	
Customer	:		
Product line	: NEMA Premium Efficiency Three- Phase	Product code :	12821684
	Phase	Catalog # :	00118ET3ER143TC-W22

Performance		: 415 V 50 Hz 4P IE3	5 V 50 Hz 4P IE3			
Rated current		: 1.63 A			a (J) : 0.1172 sq.ft.lb	
LRC		: 7.4	Duty cycle		: Cont.(S1)	
Rated torque		: 3.61 ft.lb	Insulation class		: F	
Locked rotor torc	que	: 260 %	Service factor		: 1.25	
Breakdown torqu	le	: 310 %	Temperature rise		: 80 K	
Rated speed		: 1455 rpm	Design		: B	
Heating constant	t					
Cooling constant	t					
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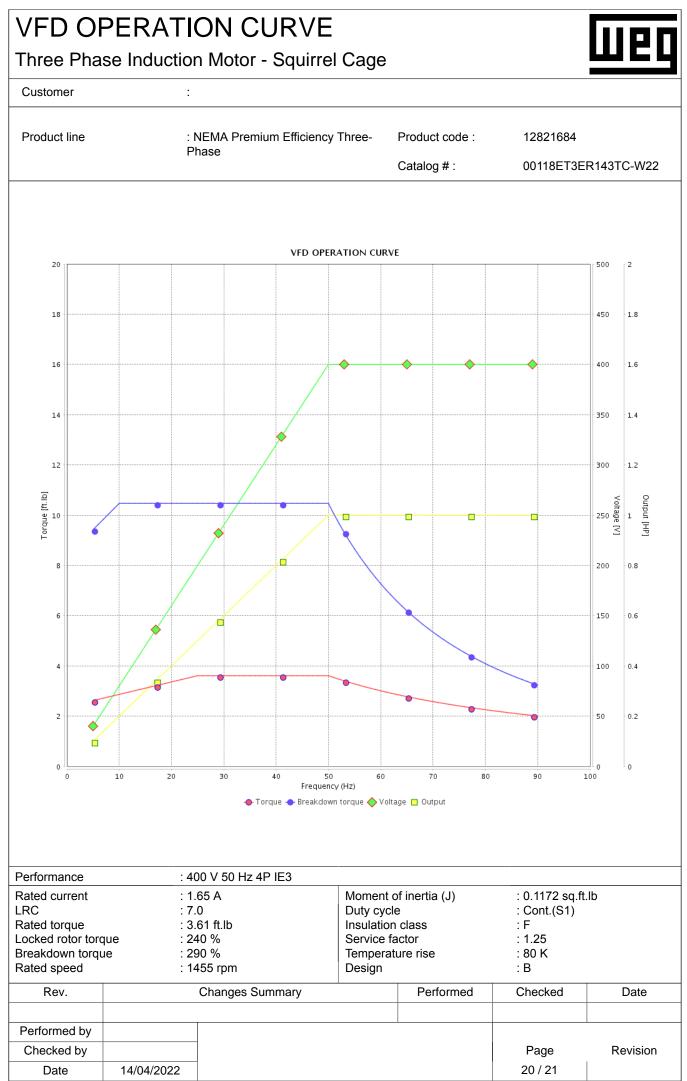


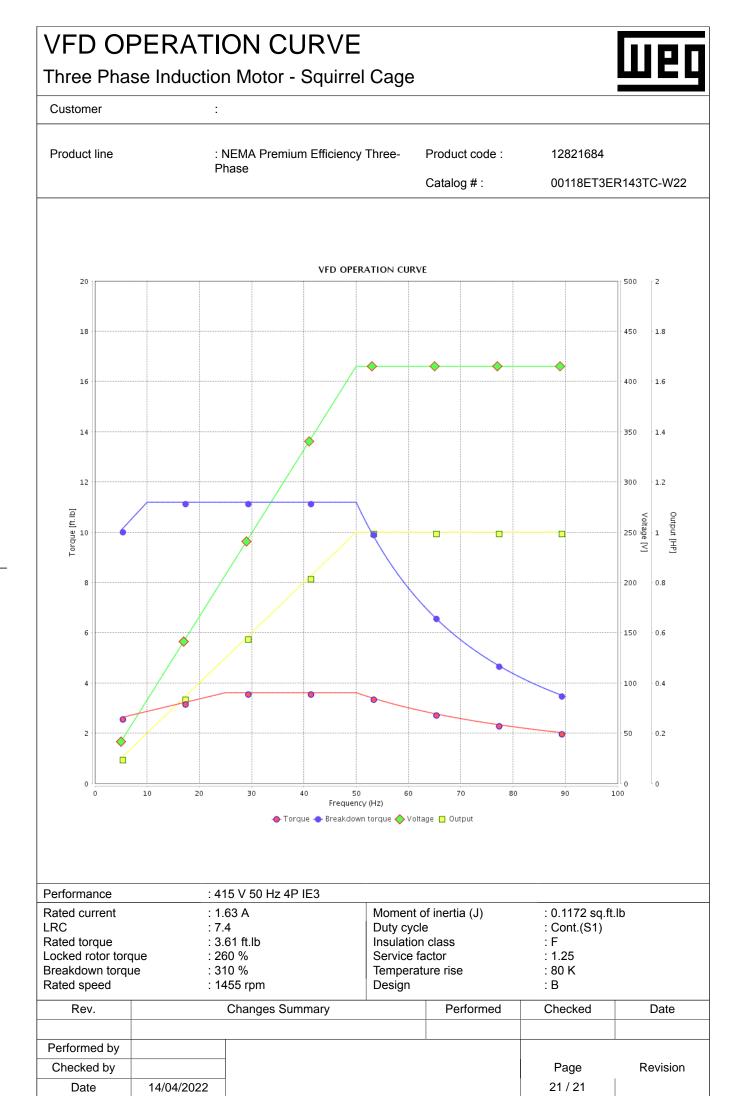


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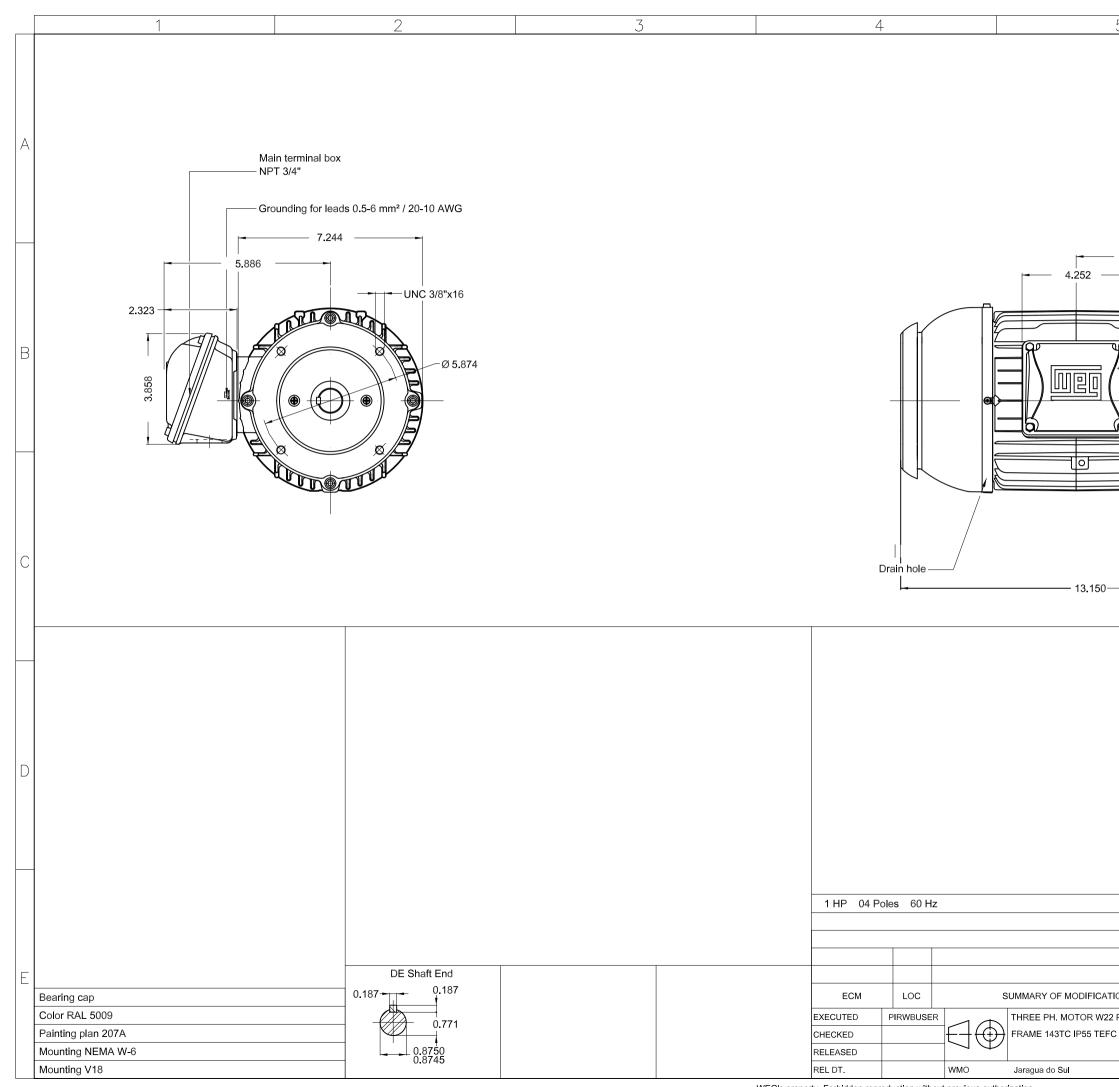


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	0.157	1.575 - 2.250 Drain hole			Α	Dimensions in inches
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