DATA SHEET

Three Phase Induction Motor - Squirrel Cage

:



Customer

Product line		: NEMA Premium Effi Phase	ciency T	Three- F	Produc	t code :	14356	576	
		Phase		C	Catalog	g # :	350362	XT3G4	49TS
Frame Insulation class Duty cycle Ambient temperature Altitude Protection degree Design		: 449TS : F : Cont.(S1) : -20°C to +40°C : 1000 m.a.s.l. : IP55 : A		Cooling method Mounting Rotation ¹ Starting method Approx. weight ³ Moment of inertia (J)		: IC411 - TEFC : F-1 : Both (CW and CCW) : Direct On Line : 3639 lb : 68.1 sq.ft.lb		nd CCW)	
Output [HP]		350	1	300		30	0		300
Poles		2		2		2			2
Frequency [Hz]		60		50		50	0		50
Rated voltage [V]		460		380		40			415
Rated current [A]		379		389		37			359
. R. Amperes [A]		3297		3073		329			3482
_RC [A]		8.7x(Code J)	7.9	9x(Code H)		8.8x(C		9.	7x(Code K)
No load current [A		97.0		96.0		10			107
Rated speed [RPN	/]	3575		2975		29			2980
Slip [%]		0.69		0.83		3.0			0.67
Rated torque [ft.lb]		514		530		53			529
_ocked rotor torqu		280		240		26			280
Breakdown torque	[%]	340		320 1.00		35			380
Service factor			1.00			1.0			1.00
Temperature rise			80 K			80 K		<u></u>	80 K
_ocked rotor time		25s (cold) 14s (hot)			ot)	21s (cold)			cold) 12s (hot)
Noise level ²	25%	84.0 dB(A)	8	3.0 dB(A) 94.9		83.0 c		8	3.0 dB(A)
Efficiency (%)	25% 50%	94.9 95.0							94.9 95.0
	50% 75%	95.0				95			95.0
						95.8 95.4			
	100% 25%	95.8 0.58		95.4 0.60		95			95.8 0.54
	25% 50%	0.58		0.60		0.8			0.54
Power Factor	50% 75%	0.82		0.88		0.0 0.0			0.79
	100%	0.88		0.88		0.0 9.0			0.80
Bearing type Sealing Lubrication interv Lubricant amoun		: 6314 C3 63 : Viton Vito Oil Seal : 3604 h 36 : 27 g 22	r <u>ive end</u> 14 C3 on Seal 604 h 27 g	Max. tract	tion		: 3536 : 7175		
Lubricant type Notes		: Mobil Polyrex I	=IM						
must be eliminate (1) Looking the m	ed. otor from the m and with to veight subjec ocess.	olerance of +3dB(A).	hich				based on tea e tolerances		n sinusoidal ated in NEMA
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ID	Application	Туре	Quantity	Sensing 1	Femperature
1	Winding	Thermostat - 2 wires	1 x Phase		55 °C
1	winding	memostat - 2 wires	I X FIIdSe		55 C
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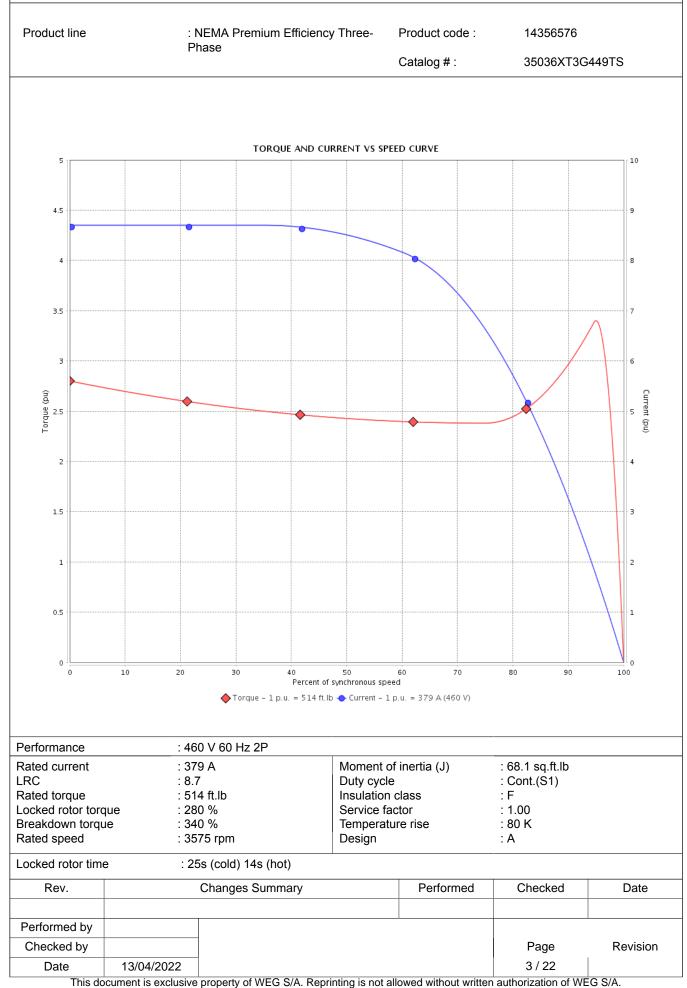
TORQUE AND CURRENT VS SPEED CURVE

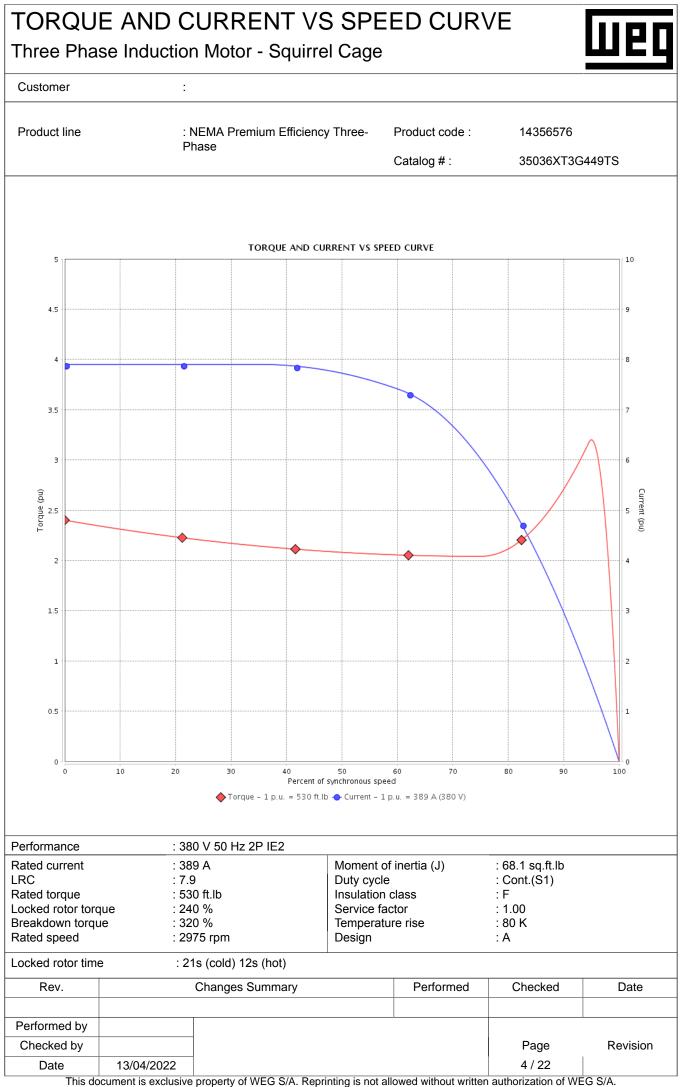
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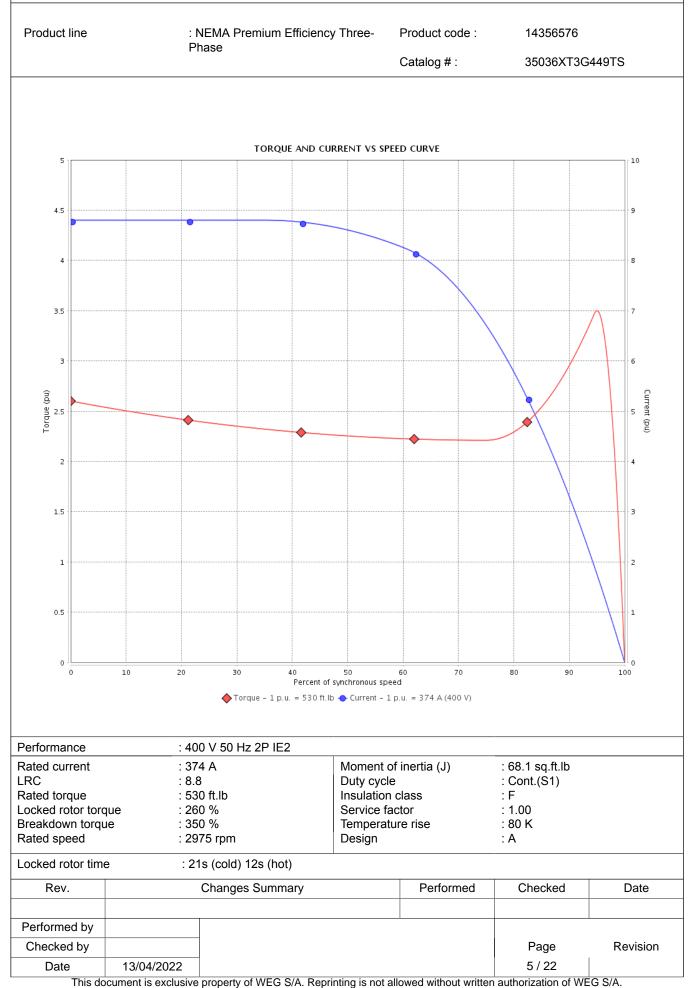
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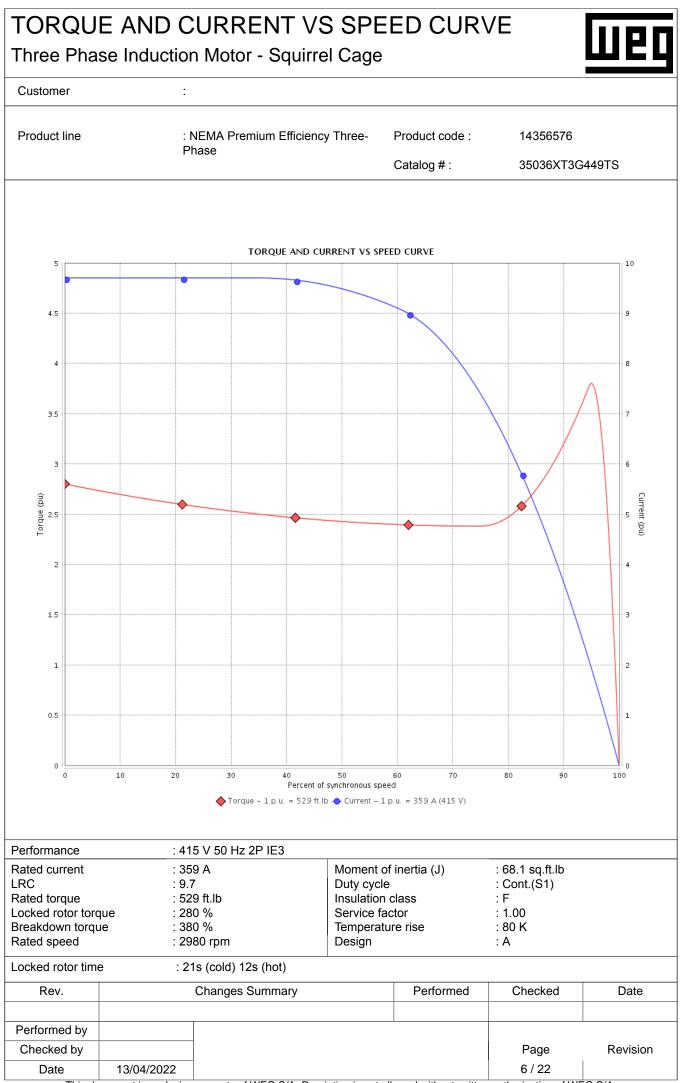
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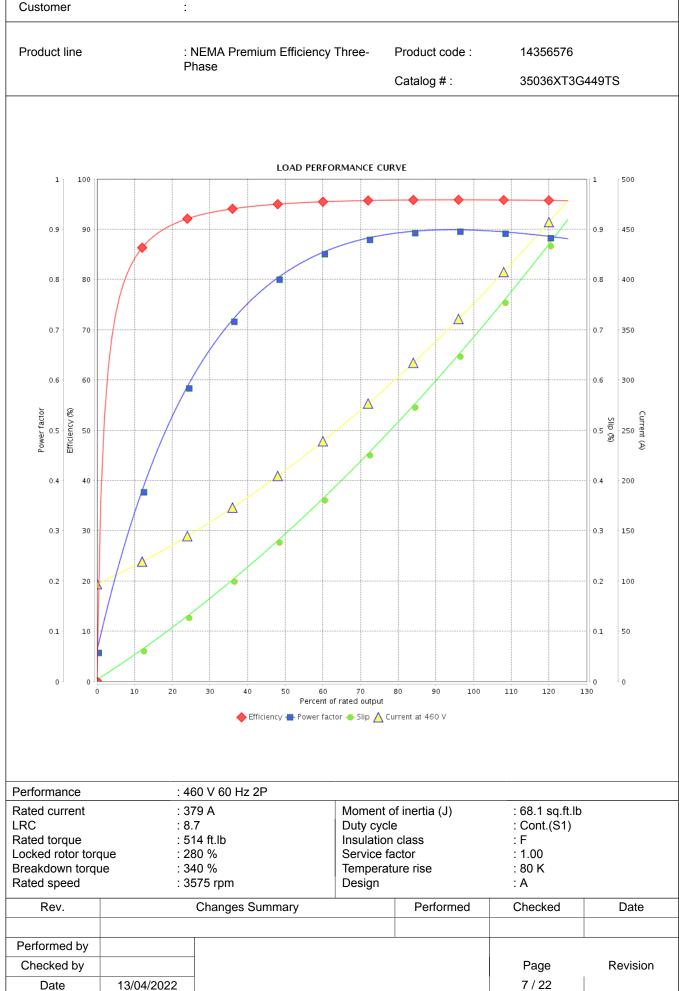






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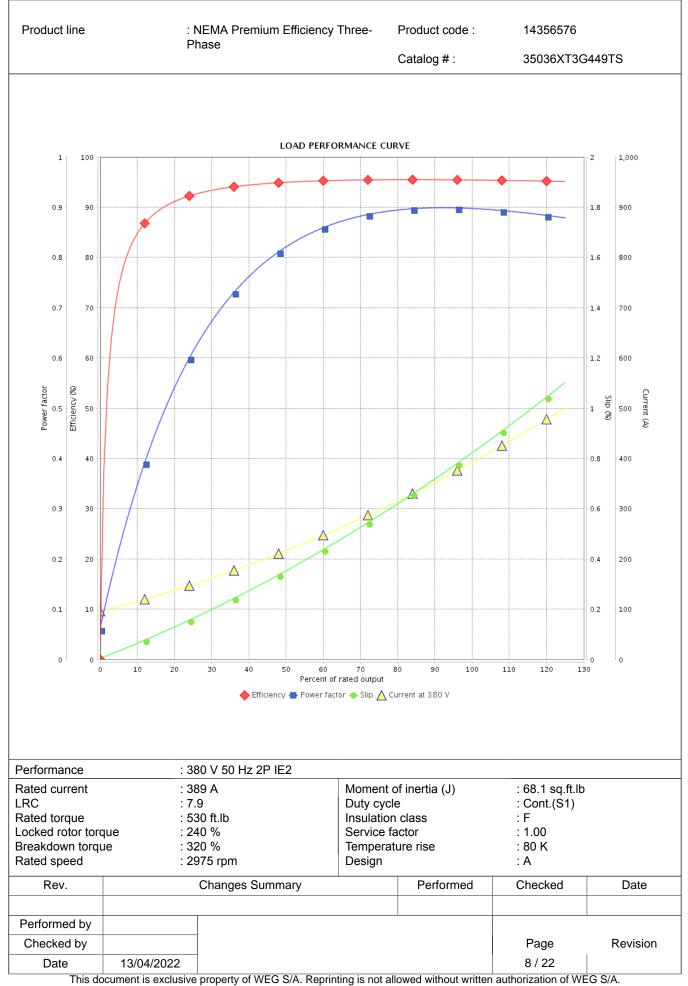
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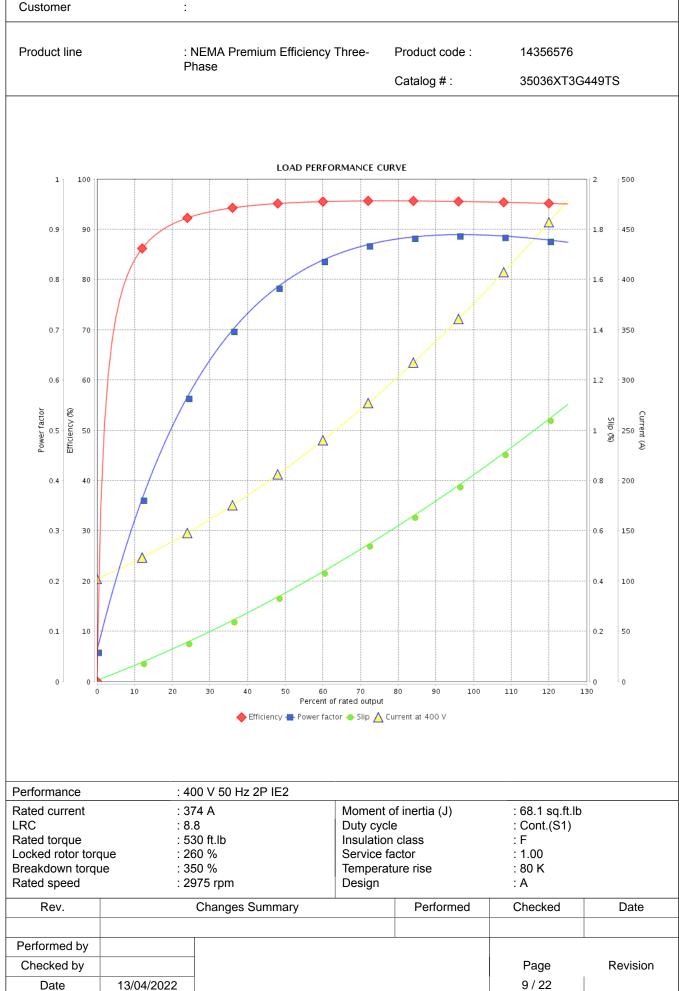


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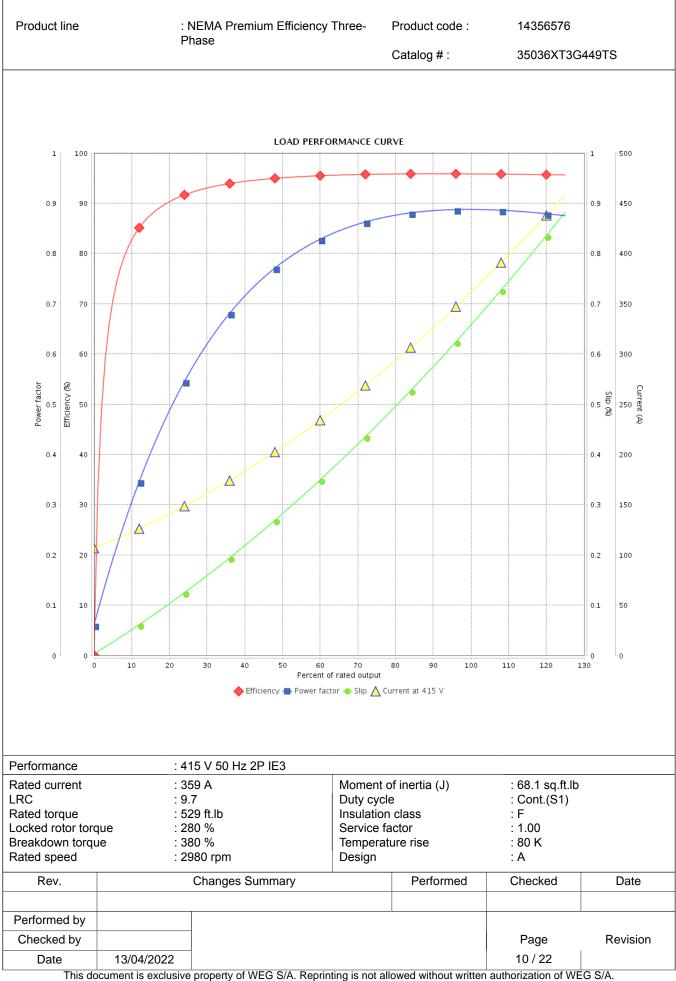
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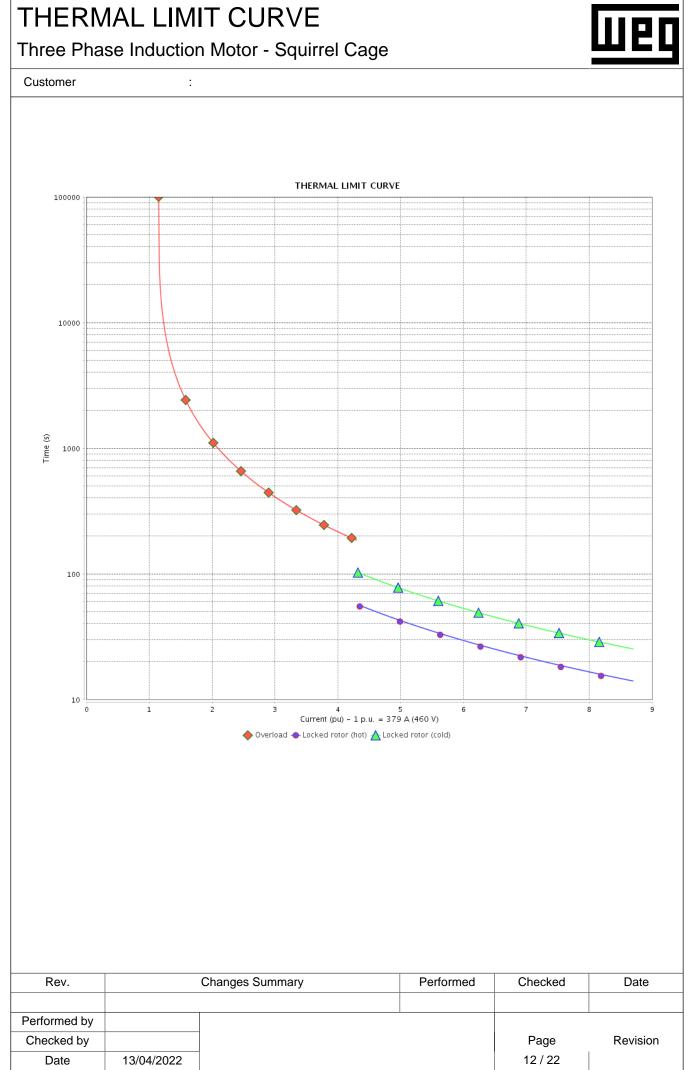
Three Phase Induction Motor - Squirrel Cage

Customer

Product line	: NEMA Premium Efficiency Three-	Product code :	14356576
	Phase	Catalog # :	35036XT3G449TS

Шед

Performance	: 4	60 V 60 Hz 2P				
Rated current LRC Rated torque Locked rotor torqu Breakdown torqu Rated speed	: 8 : 5 jue : 2 je : 3	379 AMoment of inertia (J)8.7Duty cycle514 ft.lbInsulation class280 %Service factor340 %Temperature rise3575 rpmDesign		: 68.1 sq.ft.lb : Cont.(S1) : F : 1.00 : 80 K : A		
Heating constant						
Cooling constant						
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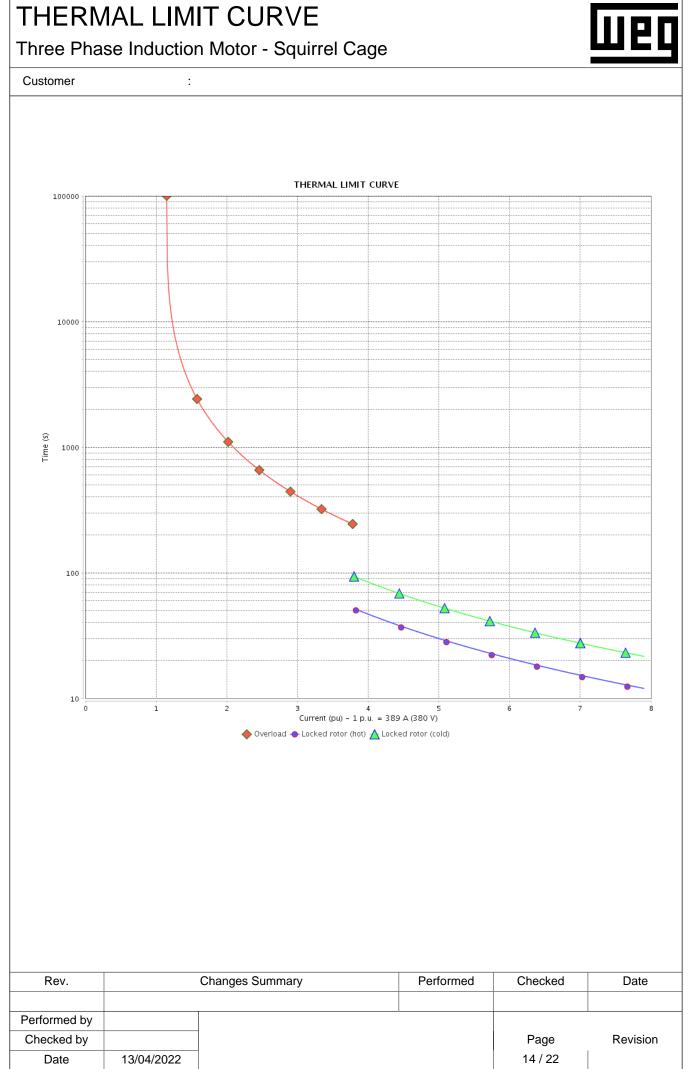
Three Phase Induction Motor - Squirrel Cage

Customer

Product line	: NEMA Premium Efficiency Three-	Product code :	14356576
	Phase	Catalog # :	35036XT3G449TS

Шеq

Performance	: 3	80 V 50 Hz 2P IE2				
Rated current LRC Rated torque Locked rotor torc Breakdown torqu Rated speed	: 7 : 5 jue : 2 ie : 3 : 2	: 389 AMoment of iner: 7.9Duty cycle: 530 ft.lbInsulation class: 240 %Service factor: 320 %Temperature ris: 2975 rpmDesign		class	: 68.1 sq.ft.lb : Cont.(S1) : F : 1.00 : 80 K : A	
Heating constant						
Cooling constant						
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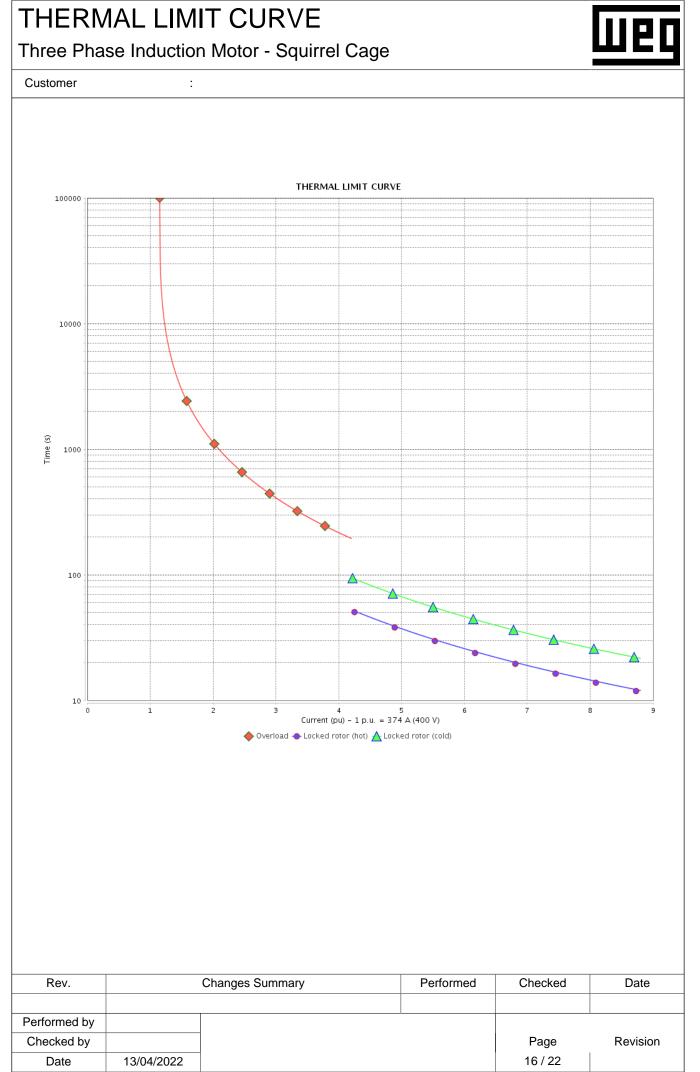
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Customer

Product line	: NEMA Premium Efficiency Three-	Product code :	14356576
	Phase	Catalog # :	35036XT3G449TS

Шеq

Performance	: 4	00 V 50 Hz 2P IE2				
Rated current LRC Rated torque Locked rotor torc Breakdown torqu Rated speed	: 8 : 5 jue : 2 ie : 3	874 A 8.8 330 ft.lb 260 % 350 % 2975 rpm	Duty cycleft.lb0%Service factor0%Temperature rise		: 68.1 sq.ft.lb : Cont.(S1) : F : 1.00 : 80 K : A	
Heating constant						
Cooling constant						
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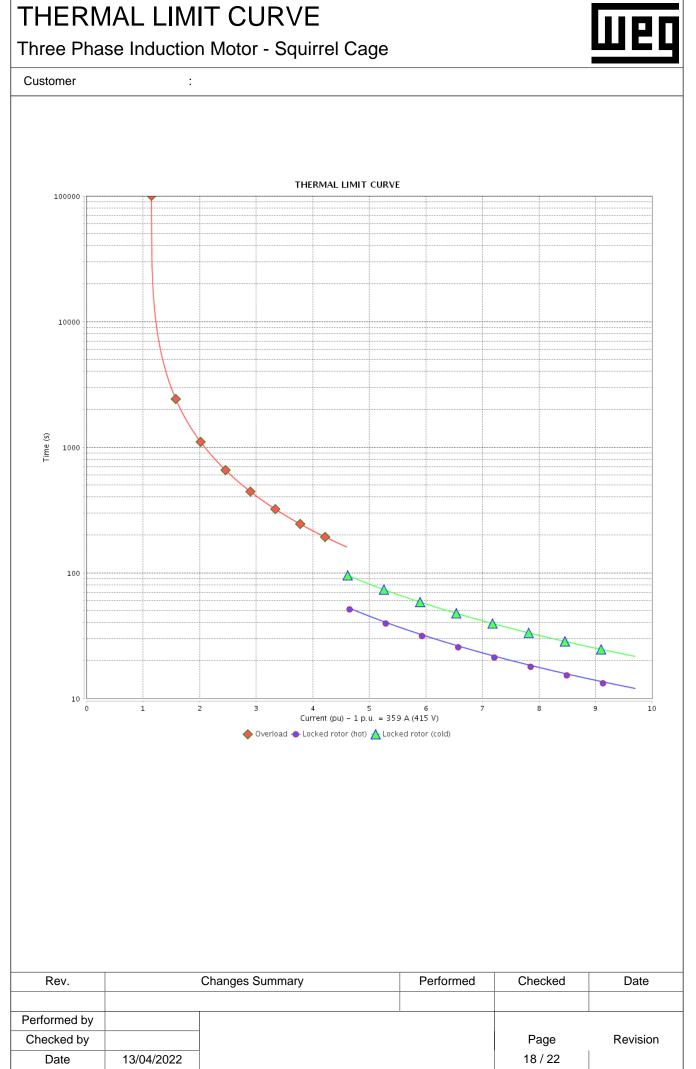
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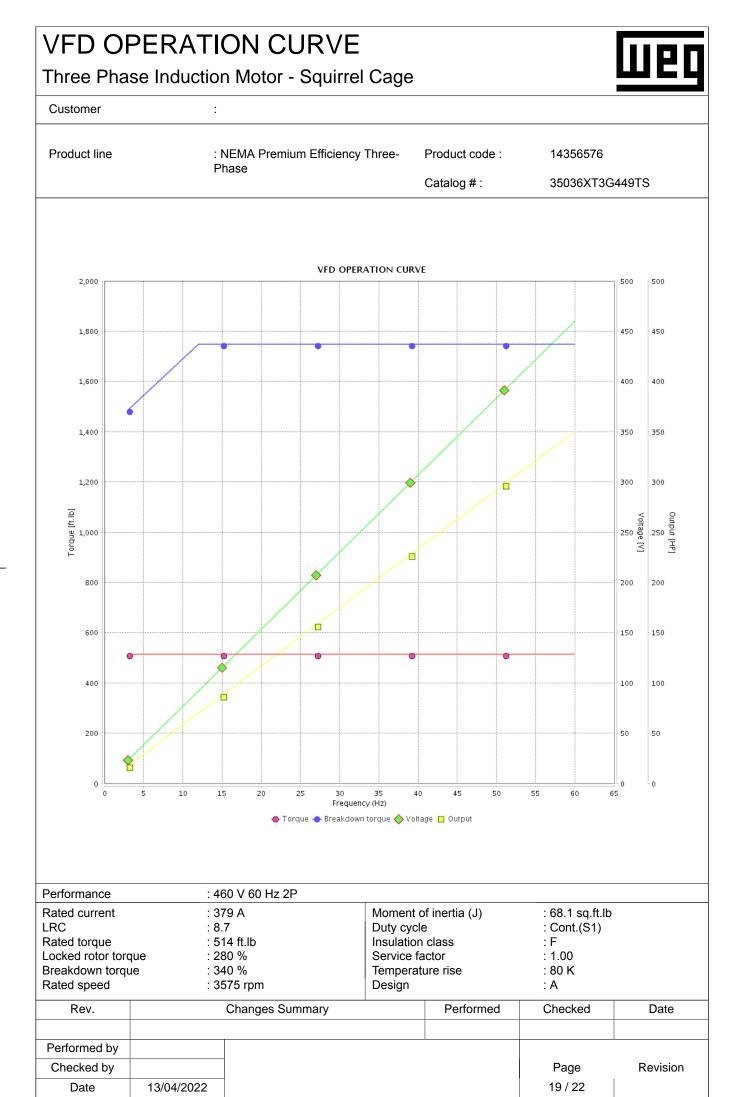
Product line	: NEMA Premium Efficiency Three-	Product code :	14356576
	Phase	Catalog # :	35036XT3G449TS

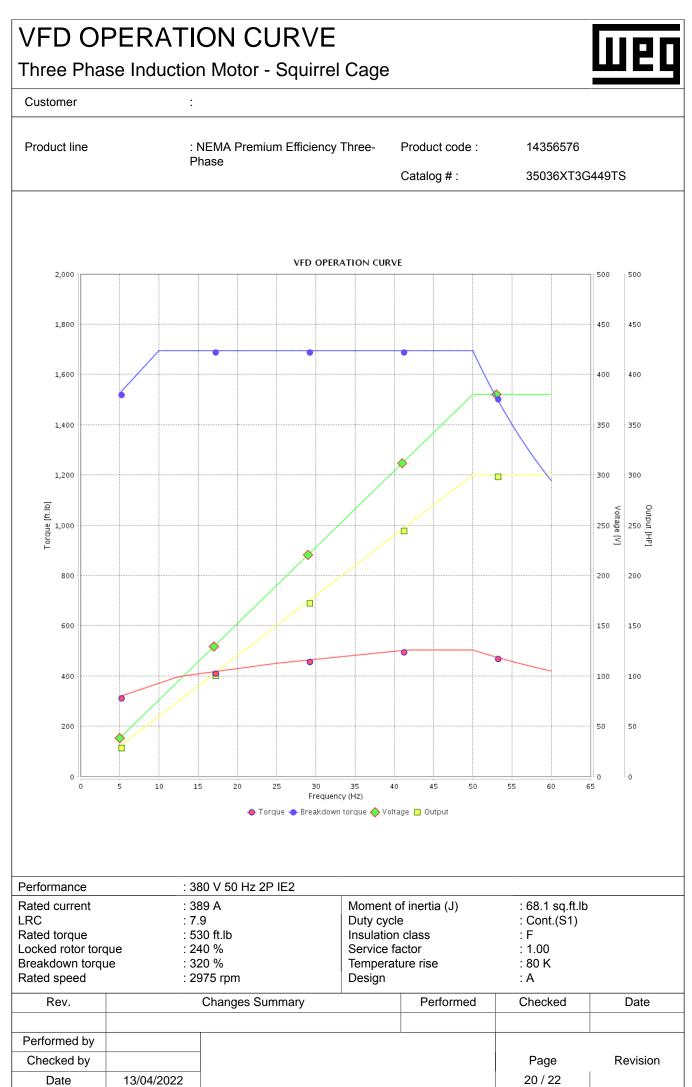
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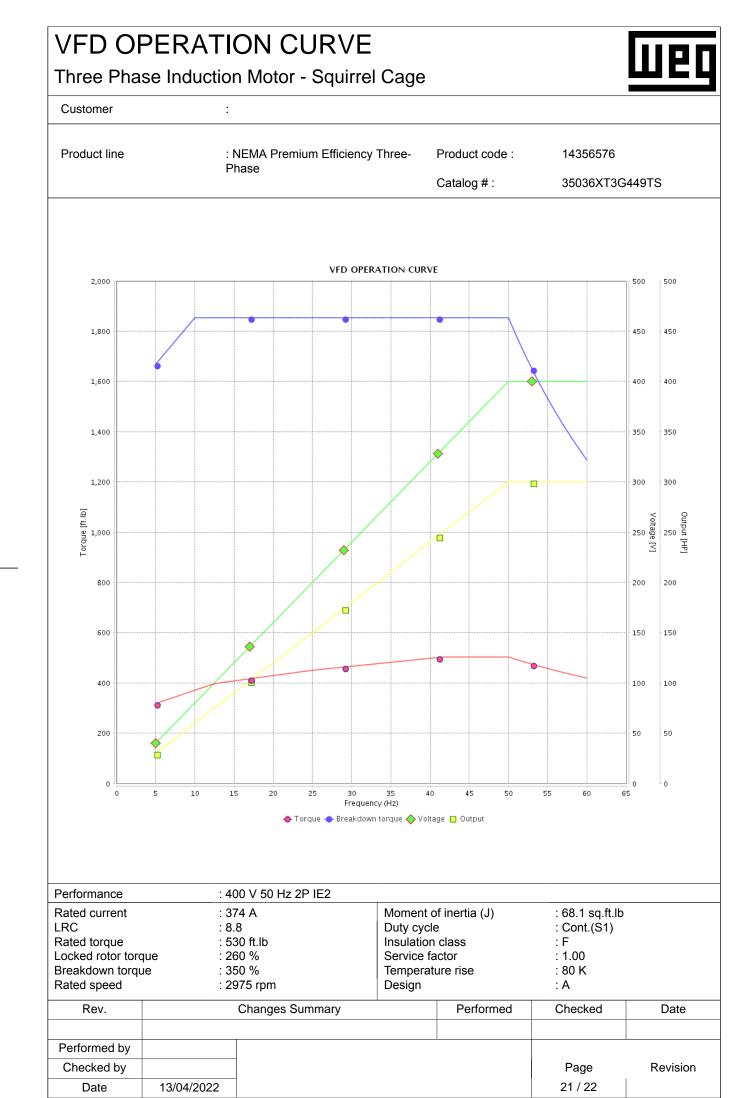
Performance	:	415 V 50 Hz 2P IE3				
Rated current LRC	-	359 A 9.7	A Moment of inertia (J) Duty cycle		: 68.1 sq.ft.lb : Cont.(S1)	
Rated torque	:	529 ft.lb	Insulation		:F `´	
Locked rotor tore	lne :	280 %	Service fa	ctor	: 1.00	
Breakdown torqu	ie :	380 %	Temperatu	ire rise	: 80 K	
Rated speed	:	2980 rpm	Design		: A	
Heating constant	1					
Cooling constant	:					
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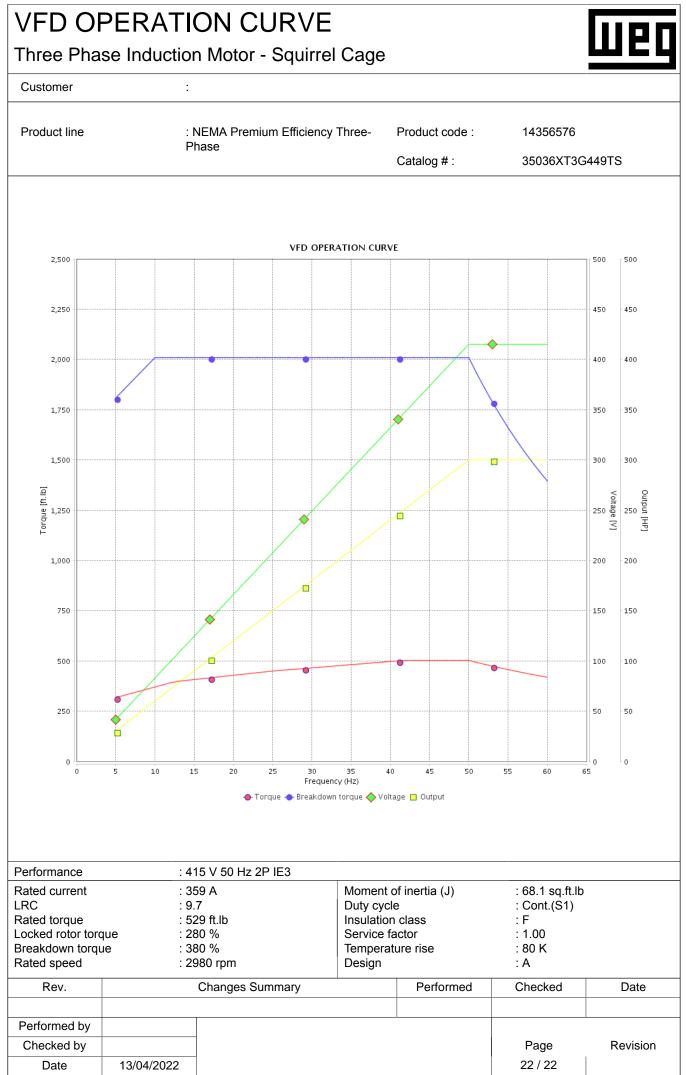


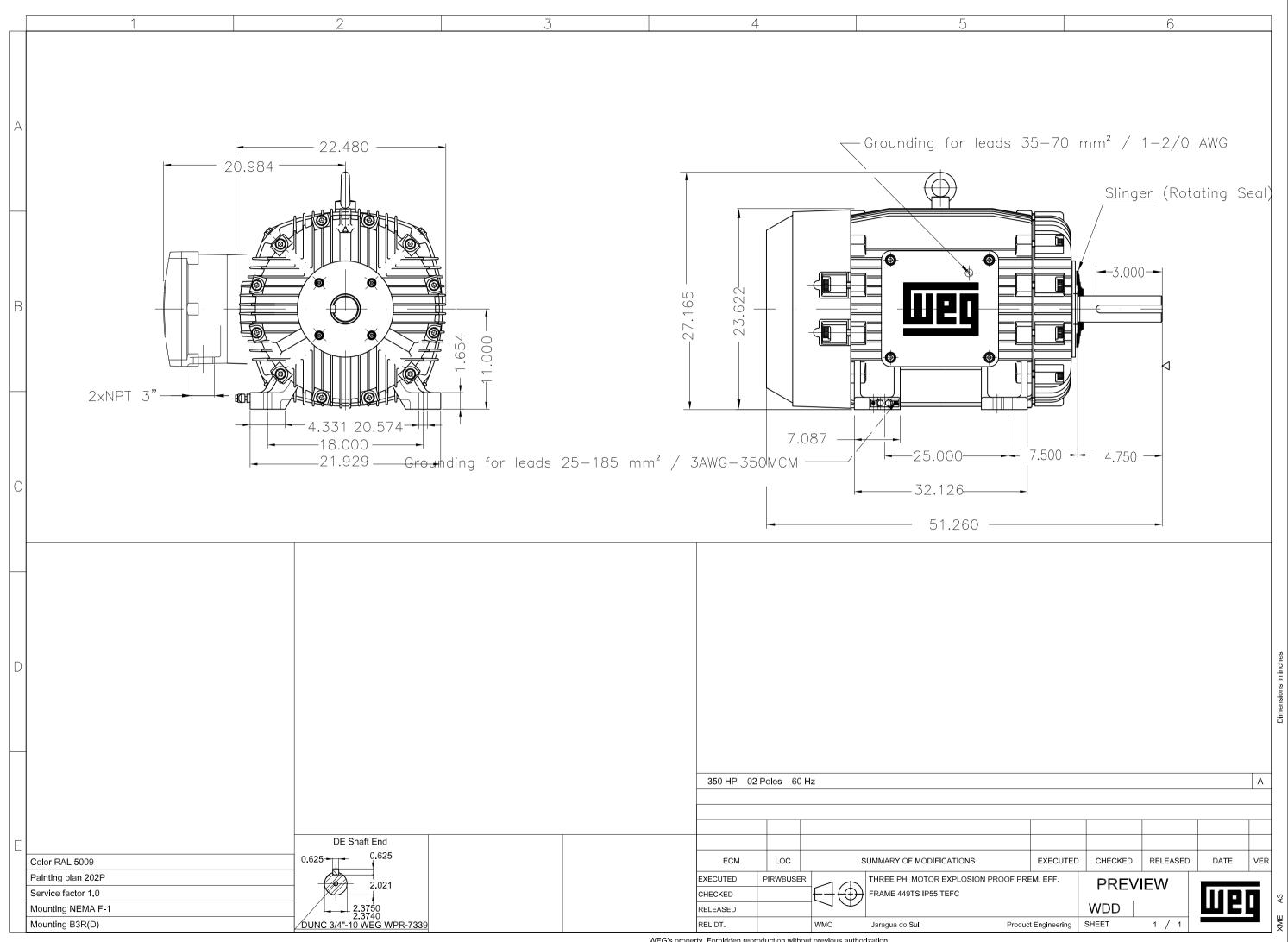
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