DATA SHEET

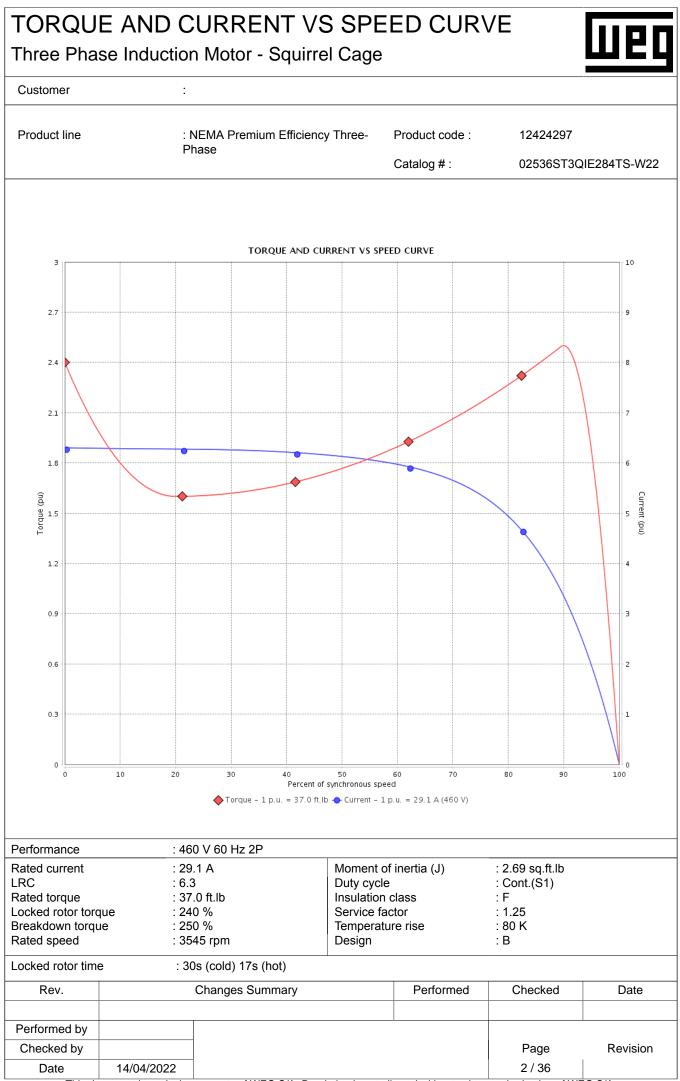
Three Phase Induction Motor - Squirrel Cage

:

Customer

Product line : NEMA Premium Efficiency Three- Phase		ree-	e- Product code :		12424297				
		Thase				Catalog # :	0	2536ST3QIE2	84TS-W22
Frame Insulation class Duty cycle Ambient tempera Altitude		: 1000 m.a.	F		Cooling method Mounting Rotation ¹ Starting method Approx. weight ³		:	: IC411 - TEFC : F-1 : Both (CW and CCW) : Direct On Line : 402 lb	
Protection degre Design	e	: IP55 : B			Momer	nt of inertia (J)	:	2.69 sq.ft.lb	
Output [HP]		25	20		20	20	25	25	25
Poles		2	2		2	2	2	2	2
Frequency [Hz]		60	50	5	50	50	50	50	50
Rated voltage [V]		460	380	4	00	415	380	400	415
Rated current [A]		29.1	28.5	27	7.4	26.7	35.7	33.6	32.5
. R. Amperes [A]		183	177		89	200	175	185	202
LRC [A]		6.3x(Code G))5.5x(Code F	
No load current [A	.]	8.20	8.00	8.	.20	8.70	7.70	8.20	8.70
Rated speed [RPN		3545	2945		950	2955	2920	2930	2935
Slip [%]		1.53	1.83		.67	1.50	2.67	2.33	2.17
Rated torque [ft.lb	1	37.0	35.7		5.6	35.5	45.0	44.8	44.7
Locked rotor torqu		240	220		50 50	240	180	200	220
Breakdown torque		240	240		70	300	200	200	220
Service factor	. [,0]	1.25	1.00		.00	1.00	1.00	1.00	1.00
Temperature rise		80 K	80 K		.00 0 K	80 K	105 K	1.00 105 K	1.00 105 K
Locked rotor time		30s (cold) 17s (hot)	25s (cold) 14s (hot)	25s	(cold) (hot)	25s (cold) 14s (hot)	25s (cold) 14s (hot)	25s (cold) 14s (hot)	25s (cold) 14s (hot)
Noise level ²		72.0 dB(A)	67.0 dB(A)		dB(A)	67.0 dB(A)	67.0 dB(A)		67.0 dB(A
	25%	72.0 00(71)	07.0 00(70)	07.0		07.0 00(70)	07.0 00(7)	07.0 00(71)	01.0 0D(/1
	50%	91.0	90.2	9	0.3	89.8	89.0	90.0	91.0
Efficiency (%)	75%	91.7	90.2			91.1	89.5	90.2	91.0
	100%	91.7	91.9	91.1 91.9		91.9	89.5	90.2	91.0
	25%	51.7	31.3	3	1.5	51.5	03.0	30.2	31.0
	50%	0.78	0.79	0	.76	0.73	0.83	0.81	0.79
Power Factor	50% 75%	0.78	0.79	-	.76 .84	0.73	0.83	0.81	0.79
	100%	0.85	0.85			0.85	0.87	0.87	0.80
	100%	1			.86		0.00	0.00	0.07
Bearing type Sealing Lubrication inter Lubricant amour Lubricant type		Drive end 6311 C3 Inpro/Se 14000 h 18 g Mobi	6211 0 al Inpro/S	C3 seal I) h	Max. tra	tion loads action mpression		267 lb 669 lb	
Notes									
This revision repl must be eliminate (1) Looking the m (2) Measured at 1 (3) Approximate v manufacturing pro (4) At 100% of ful	ed. lotor from the Im and with t weight subjec ocess.	e shaft end. olerance of +3	8dB(A).	F				on tests with s ances stipulate	
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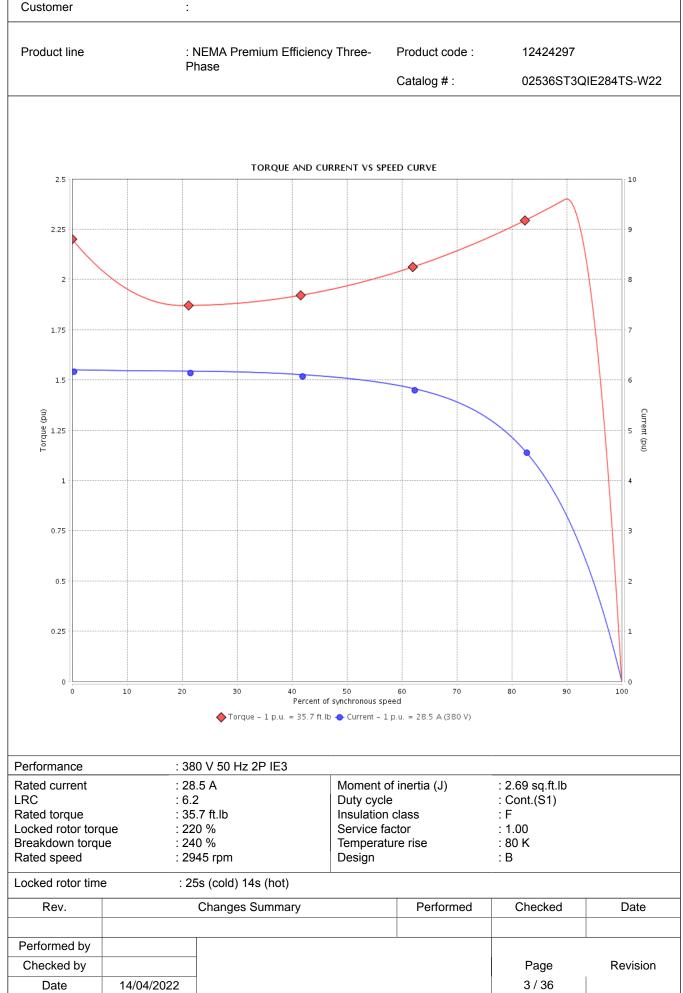
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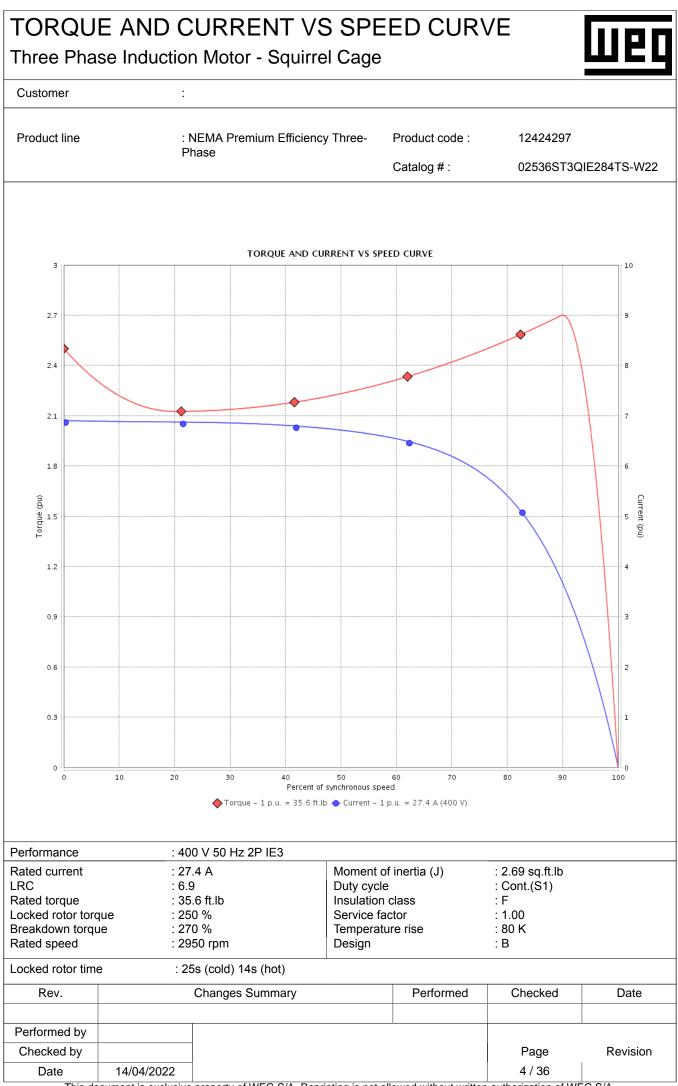
TORQUE AND CURRENT VS SPEED CURVE

Three Phase Induction Motor - Squirrel Cage





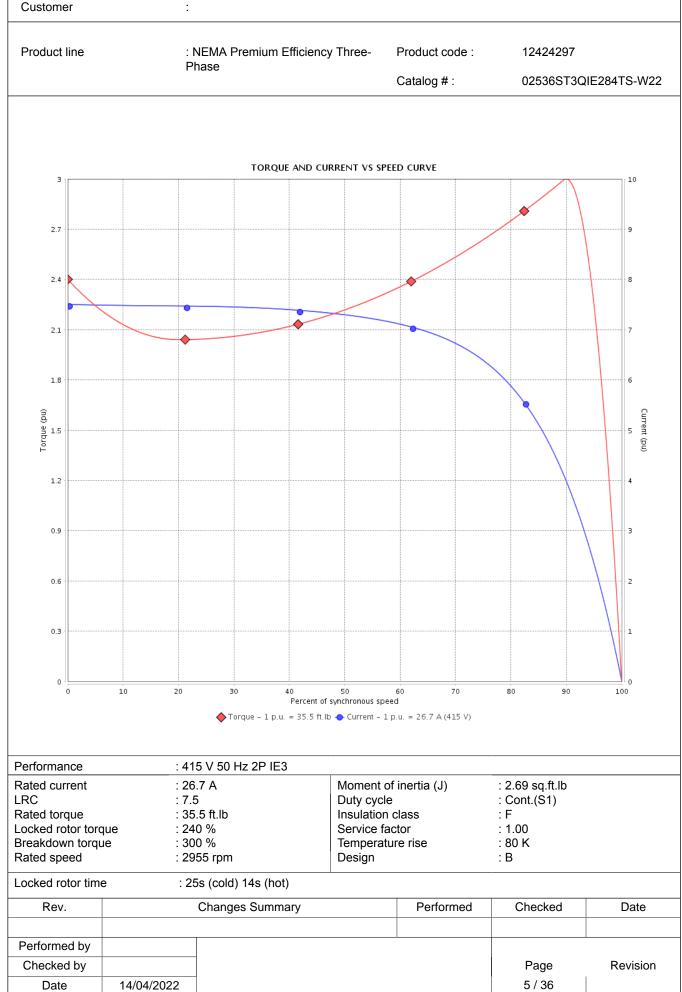
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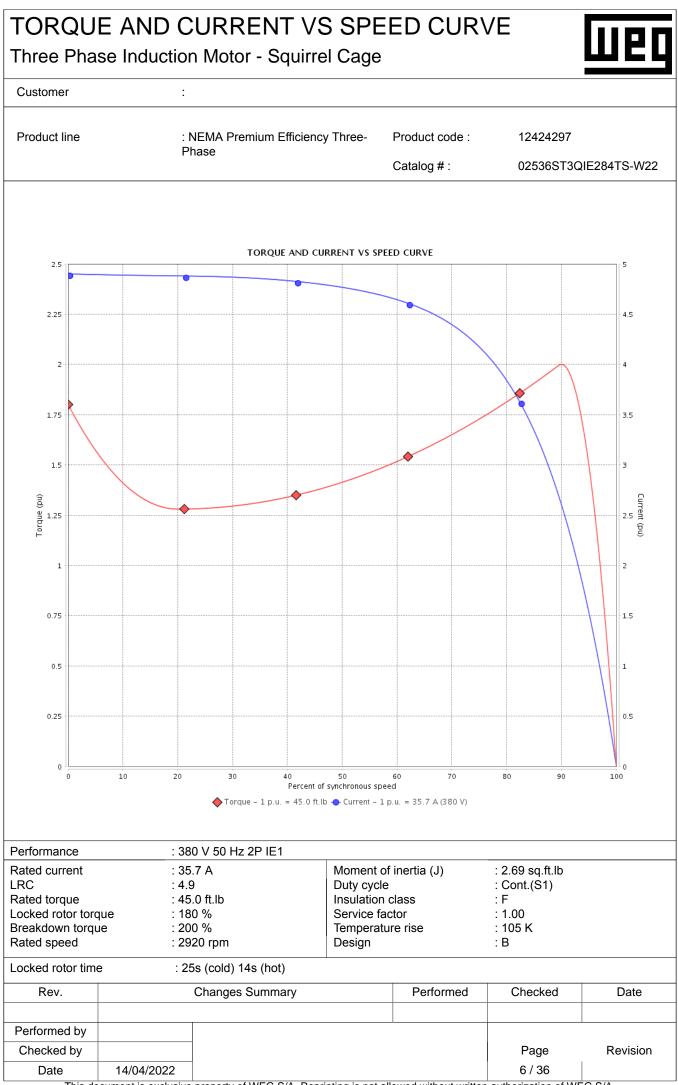
TORQUE AND CURRENT VS SPEED CURVE

Three Phase Induction Motor - Squirrel Cage

Customer



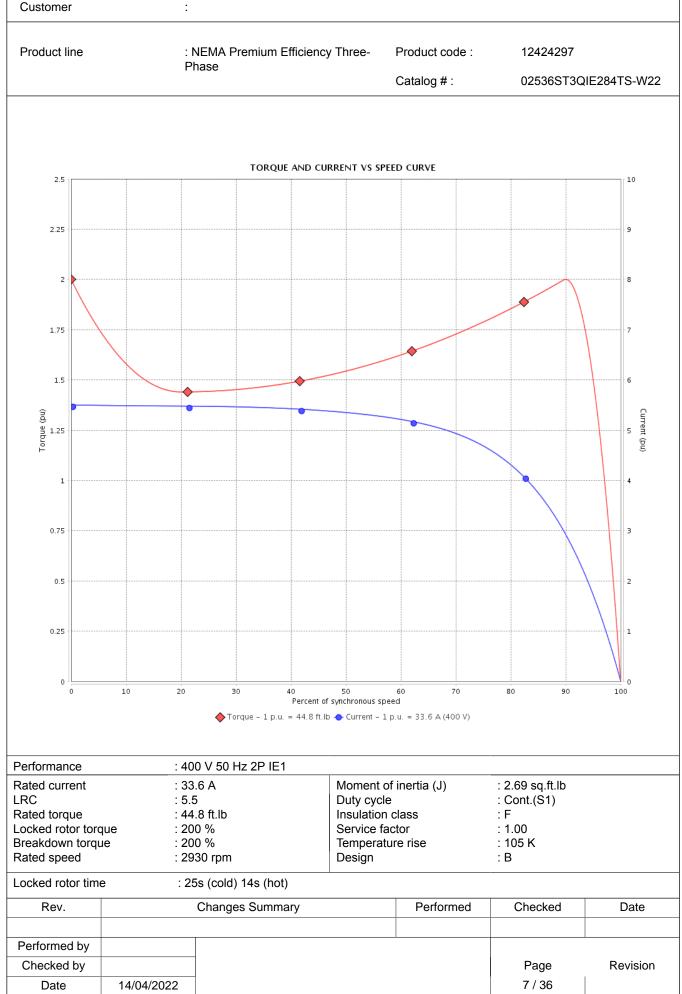
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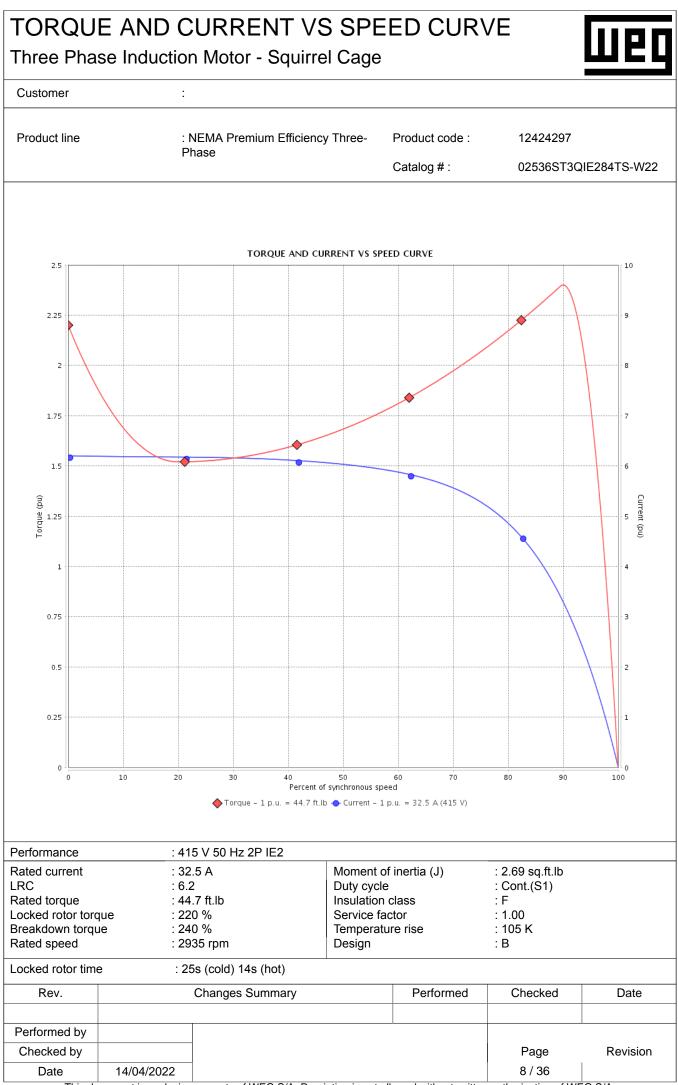
TORQUE AND CURRENT VS SPEED CURVE

Three Phase Induction Motor - Squirrel Cage



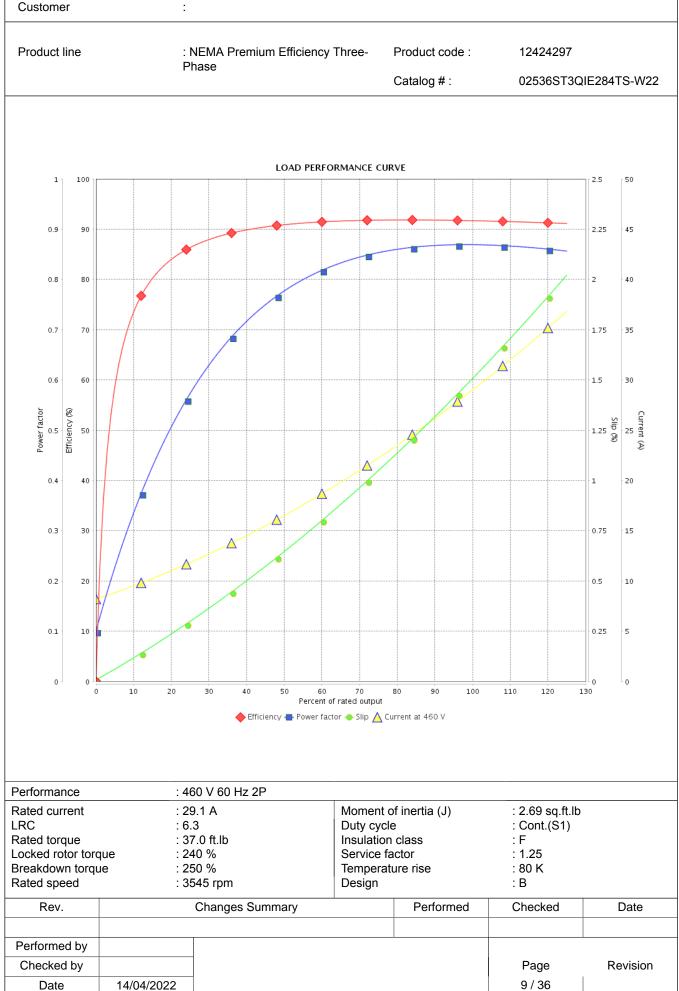


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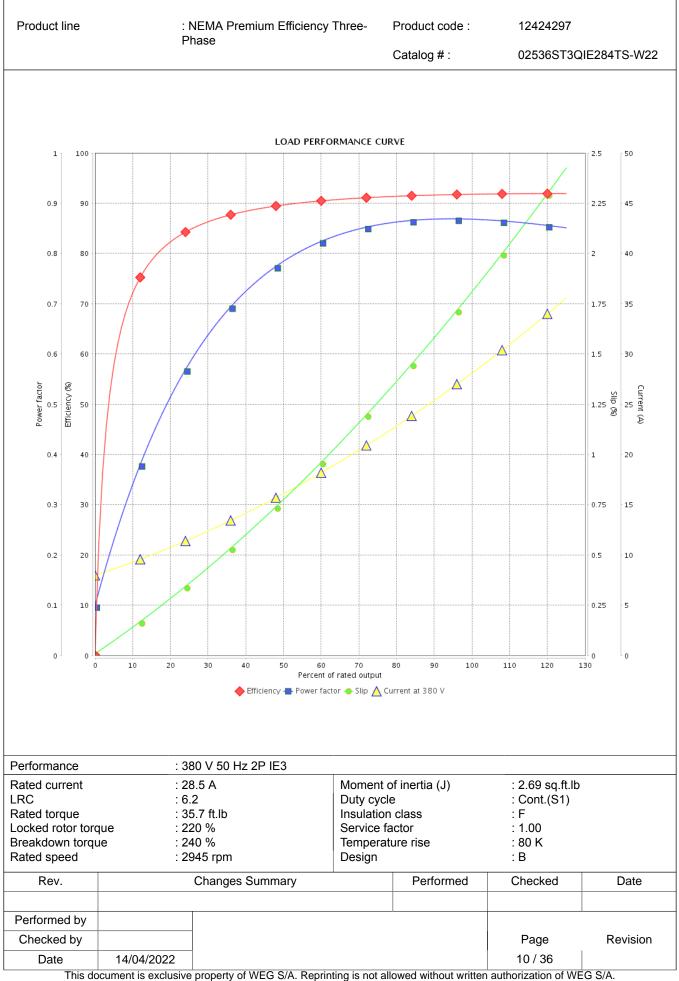
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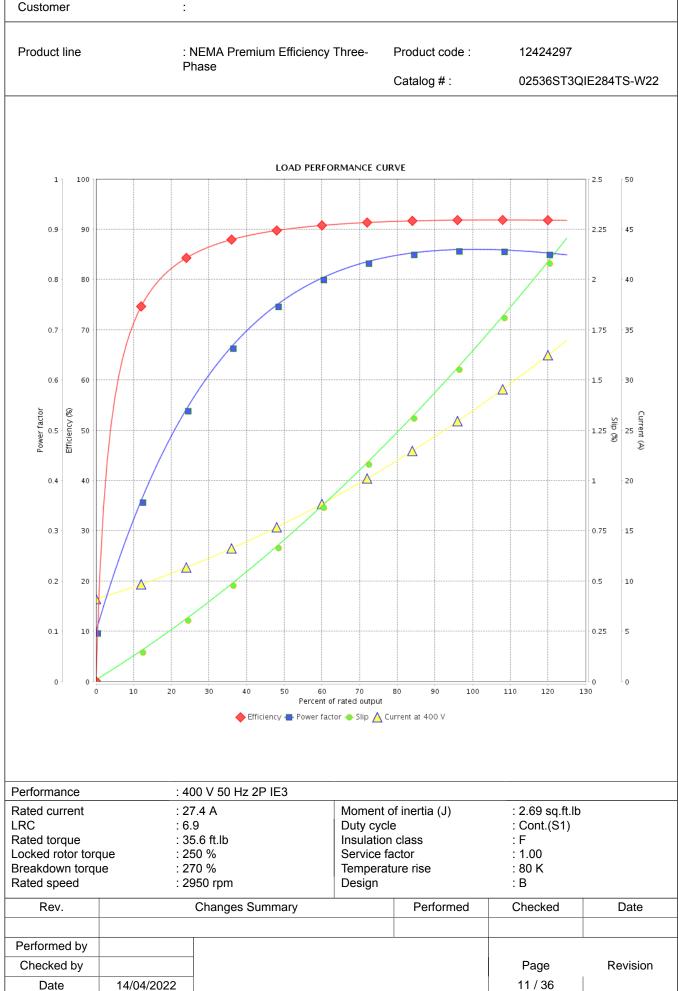


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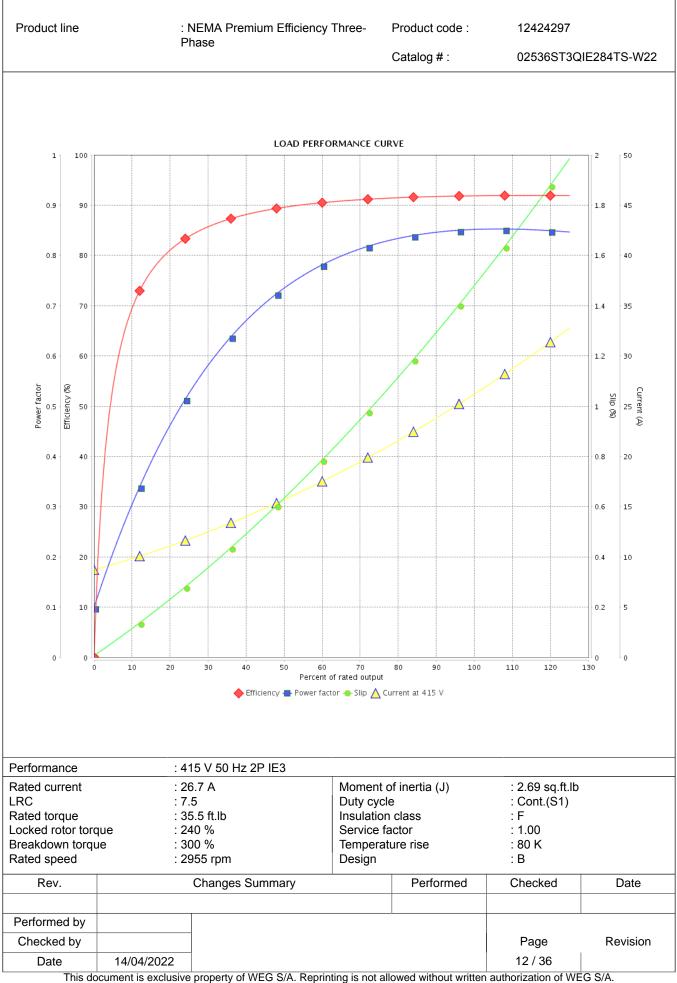
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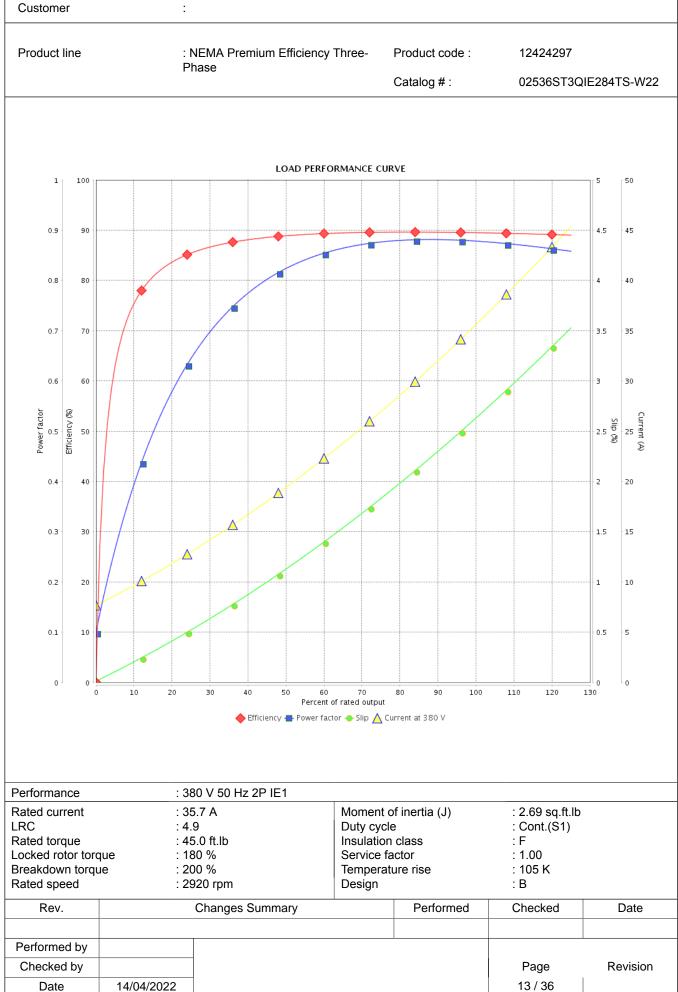
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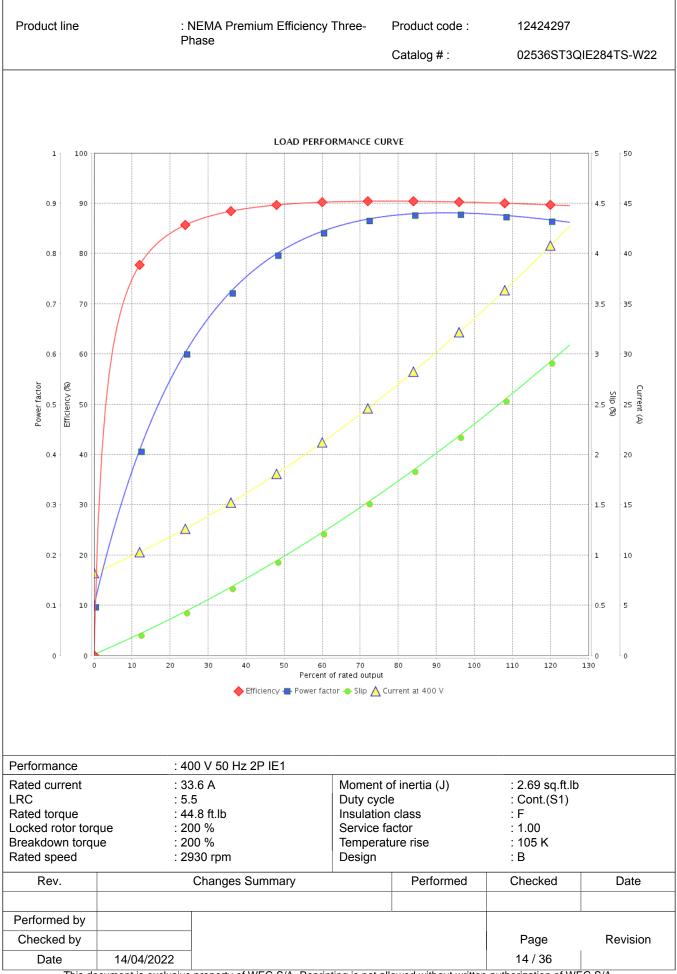
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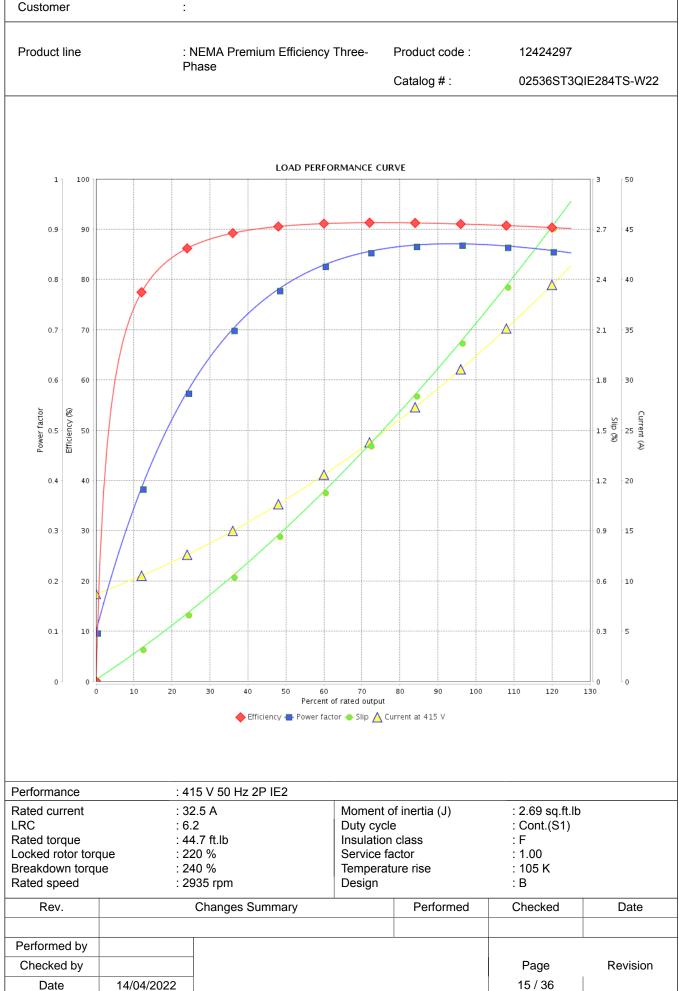


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Three Phase Induction Motor - Squirrel Cage

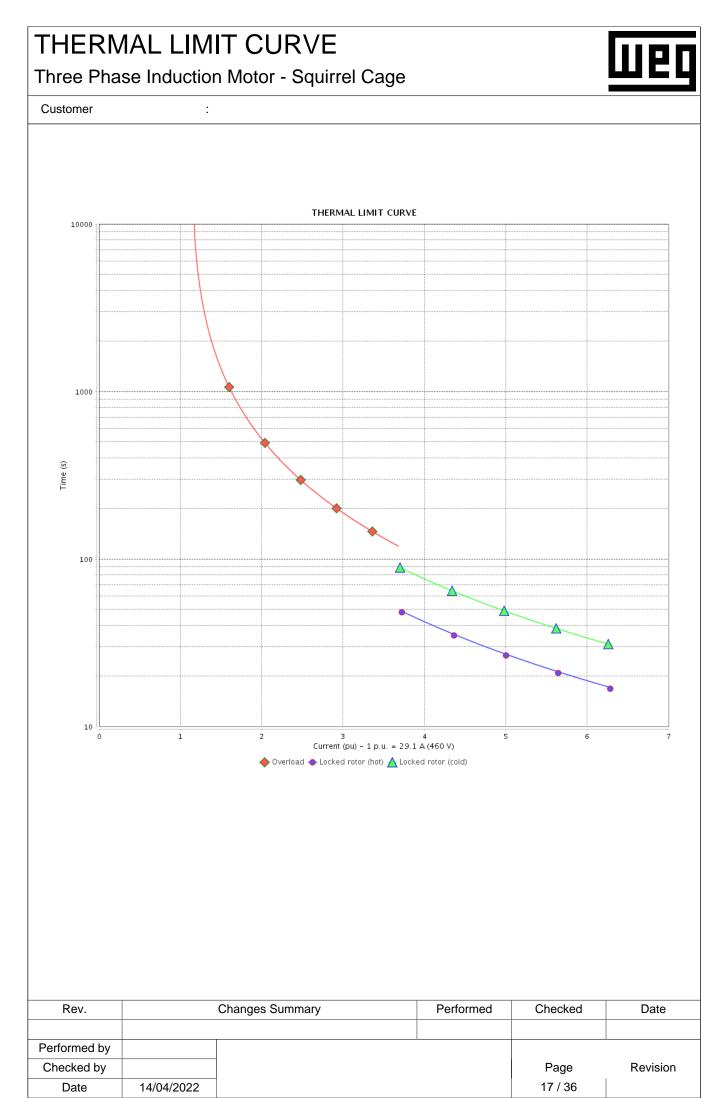
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Three Phase Ir	THERMAL LIMIT CURVE Three Phase Induction Motor - Squirrel Cage							
Customer	:							
Product line	: NEMA Premium Efficiency Thre Phase	ee- Product code :	12424297					
		Catalog # :	02536ST3QIE284TS-W22					
Performance	: 460 V 60 Hz 2P		0.00					
Rated current LRC	: 29.1 A Mo : 6.3 Du	oment of inertia (J) ity cycle	: 2.69 sq.ft.lb : Cont.(S1)					

Fenomance	. 40	50 V 00 HZ ZF						
Rated current LRC Rated torque Locked rotor toro Breakdown torqu Rated speed	: 6. : 37 que : 24 Je : 28	9.1 A 3 7.0 ft.lb 40 % 50 % 545 rpm	Moment of inertia (J) Duty cycle Insulation class Service factor Temperature rise Design		Duty cycle Insulation class Service factor Temperature rise		: 2.69 sq.ft.lb : Cont.(S1) : F : 1.25 : 80 K : B	
Heating constant	t							
Cooling constant	t							
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THERMAL LI			
	ction Motor - Squirrel	Cage	Шед
Customer	:		
Product line	: NEMA Premium Efficiency Phase	Three- Product code : Catalog # :	12424297 02536ST3QIE284TS-W22
Performance	: 380 V 50 Hz 2P IE3		
Rated current LRC Rated torque Locked rotor torque Breakdown torque	: 28.5 A : 6.2 : 35.7 ft.lb : 220 % : 240 %	Moment of inertia (J) Duty cycle Insulation class Service factor Temperature rise	: 2.69 sq.ft.lb : Cont.(S1) : F : 1.00 : 80 K
Rated speed Heating constant	: 2945 rpm	Design	: B

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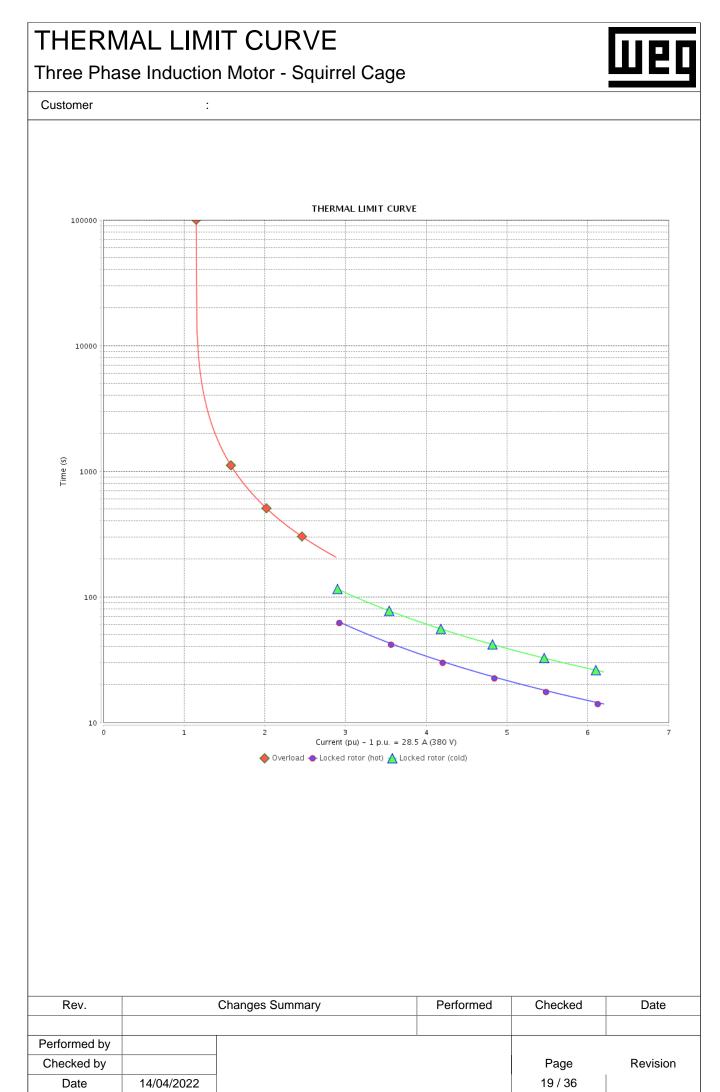
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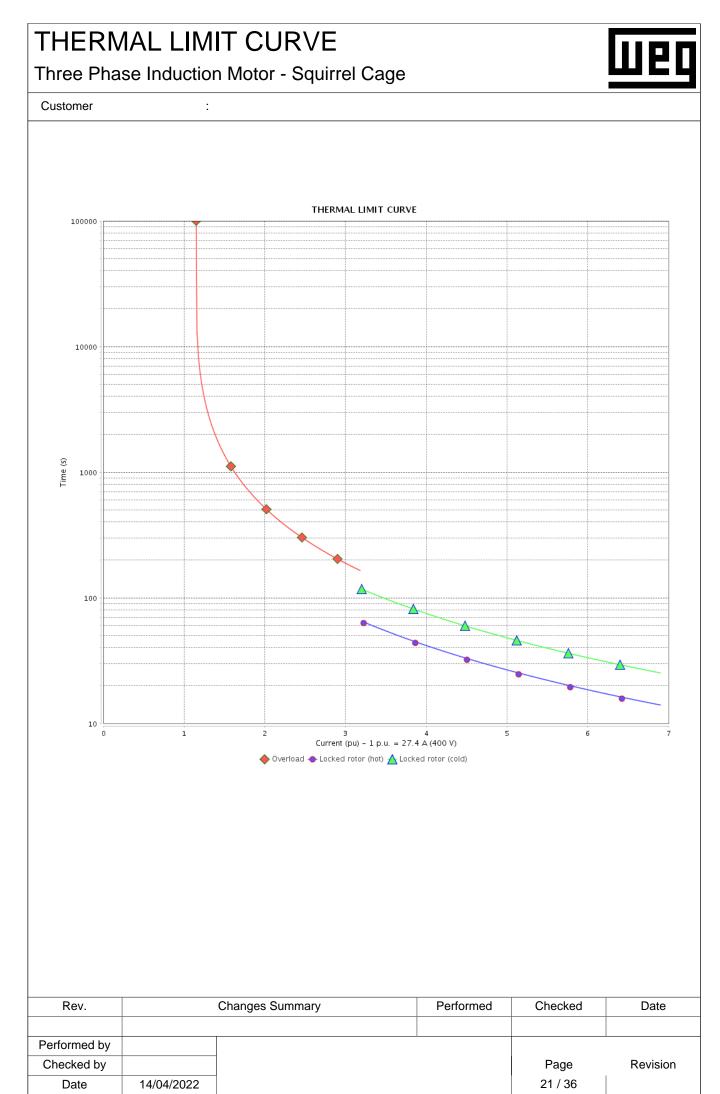
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	LIMIT CURVE uction Motor - Squirrel C	Cage	ШЕО
Customer	:		
Product line	: NEMA Premium Efficiency Th Phase	ree- Product code : Catalog # :	12424297 02536ST3QIE284TS-W22
Performance	: 400 V 50 Hz 2P IE3		
Rated current LRC Rated torque Locked rotor torque Breakdown torque	: 27.4 A M : 6.9 E : 35.6 ft.lb II : 250 % S	Noment of inertia (J) Duty cycle nsulation class Service factor Temperature rise	: 2.69 sq.ft.lb : Cont.(S1) : F : 1.00 : 80 K
Rated speed)esian	·B

Rated speed		950 rpm	Design		: B	
Heating constan	t					
Cooling constan	t					
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	LIMIT CURVE luction Motor - Squirrel C	Cage	шео
Customer	:		
Product line	: NEMA Premium Efficiency Th Phase	ree- Product code : Catalog # :	12424297 02536ST3QIE284TS-W22
Performance	: 415 V 50 Hz 2P IE3		
Rated current LRC		<i>l</i> loment of inertia (J) Duty cycle	: 2.69 sq.ft.lb : Cont.(S1)
Rated torque	: 35.5 ft.lb li	nsulation class	: F
Locked rotor torque		Service factor	: 1.00
Breakdown torque Rated speed		ēmperature rise Design	: 80 K : B

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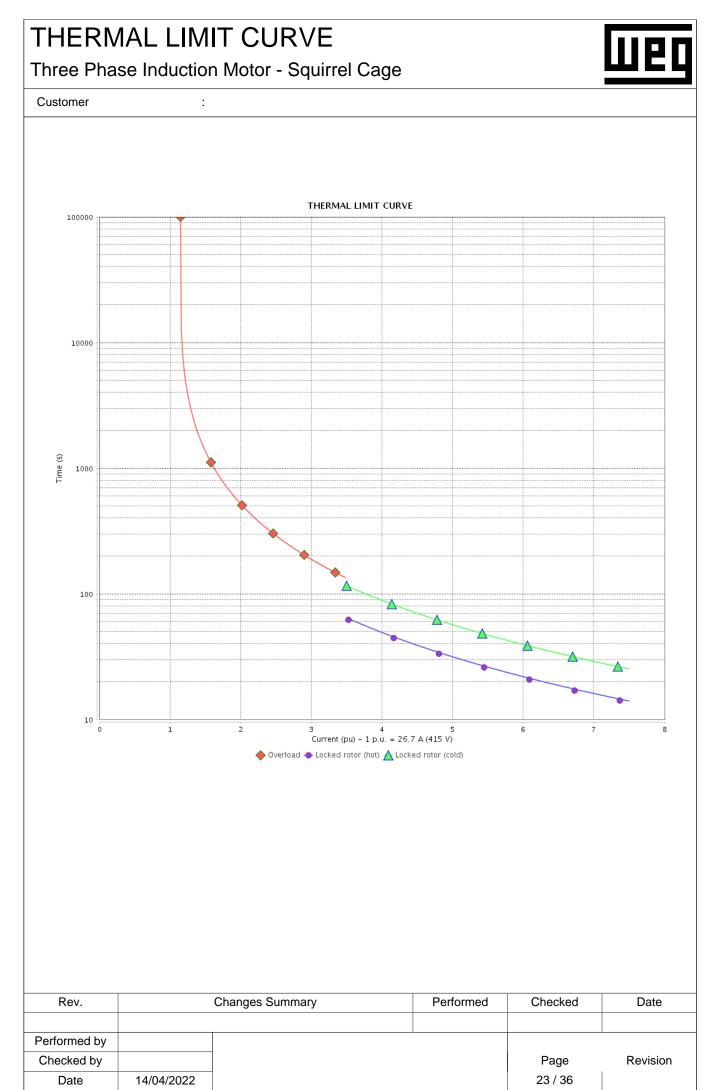
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Heating constant Cooling constant Rev.

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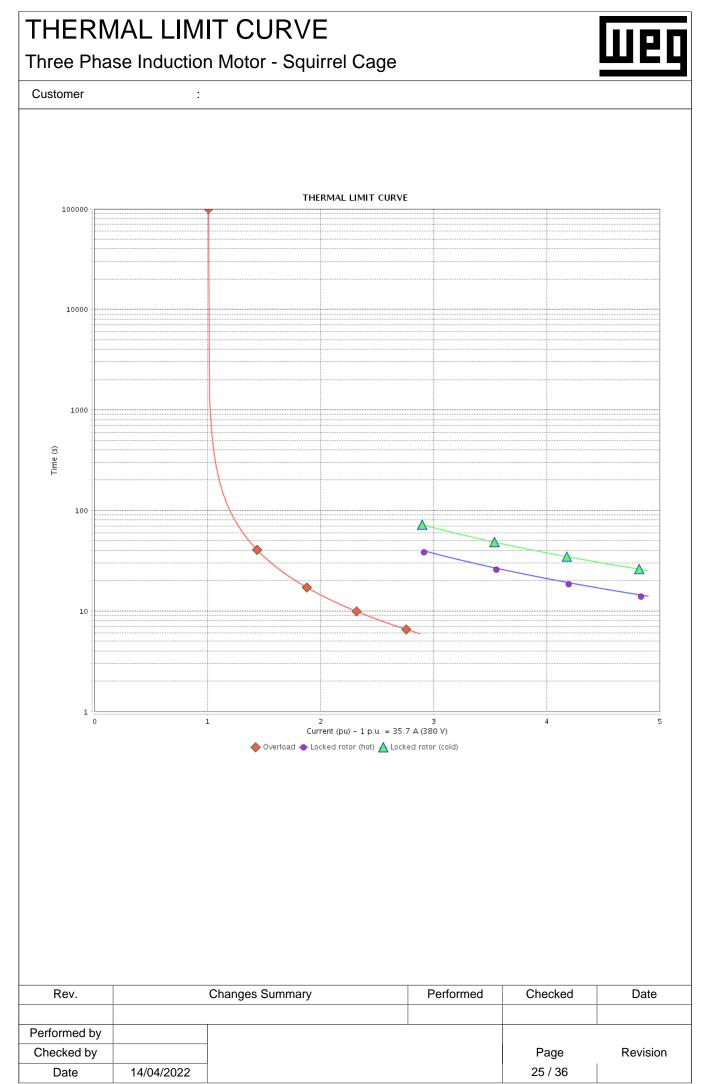
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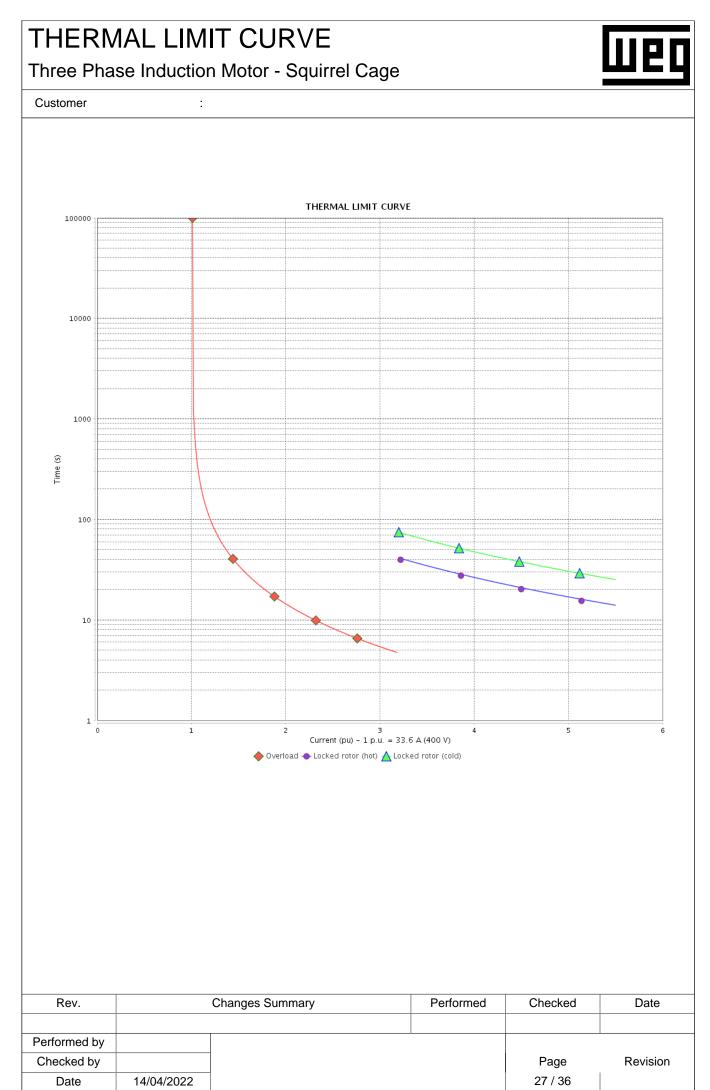
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Customer	:		
Product line	: NEMA Premium Efficiency Th Phase	ree- Product code : Catalog # :	12424297 02536ST3QIE284TS-W22
Performance	: 380 V 50 Hz 2P IE1		
Rated current LRC Rated torque Locked rotor torque	: 4.9 C : 45.0 ft.lb lr : 180 % S	Moment of inertia (J) Outy cycle Insulation class Gervice factor	: 2.69 sq.ft.lb : Cont.(S1) : F : 1.00 : 105 K

Rated current LRC Rated torque Locked rotor torc Breakdown torqu Rated speed	: 4. : 45 jue : 18 ie : 20	5.7 A 9 5.0 ft.lb 30 % 00 % 020 rpm	Moment of inertia (J) Duty cycle Insulation class Service factor Temperature rise Design		: 2.69 sq.ft.lb : Cont.(S1) : F : 1.00 : 105 K : B	
Heating constant	t					
Cooling constant	:					
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	uction Motor - Squirrel C	age	
Customer	:		
Product line	: NEMA Premium Efficiency Thr Phase	ree- Product code :	12424297
		Catalog # :	02536ST3QIE284TS-W22
Dorformence			
Performance Rated current	: 400 V 50 Hz 2P IE1 : 33.6 A M	loment of inertia (J)	: 2.69 sq.ft.lb
LRC Rated torque Locked rotor torque	: 5.5 D : 44.8 ft.lb In	uty cycle isulation class ervice factor	: Cont.(S1) : F : 1.00

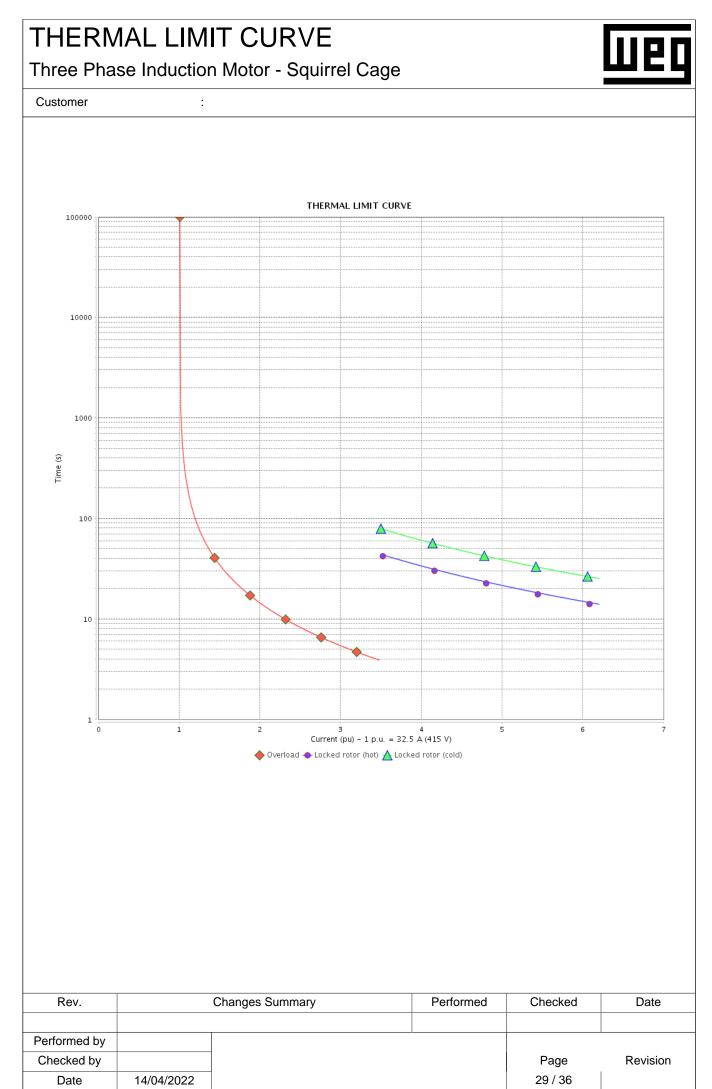
Locked rotor toro Breakdown torqu Rated speed	ie :2	00 %Service factor00 %Temperature rise030 rpmDesign		: 1.00 : 105 K : B		
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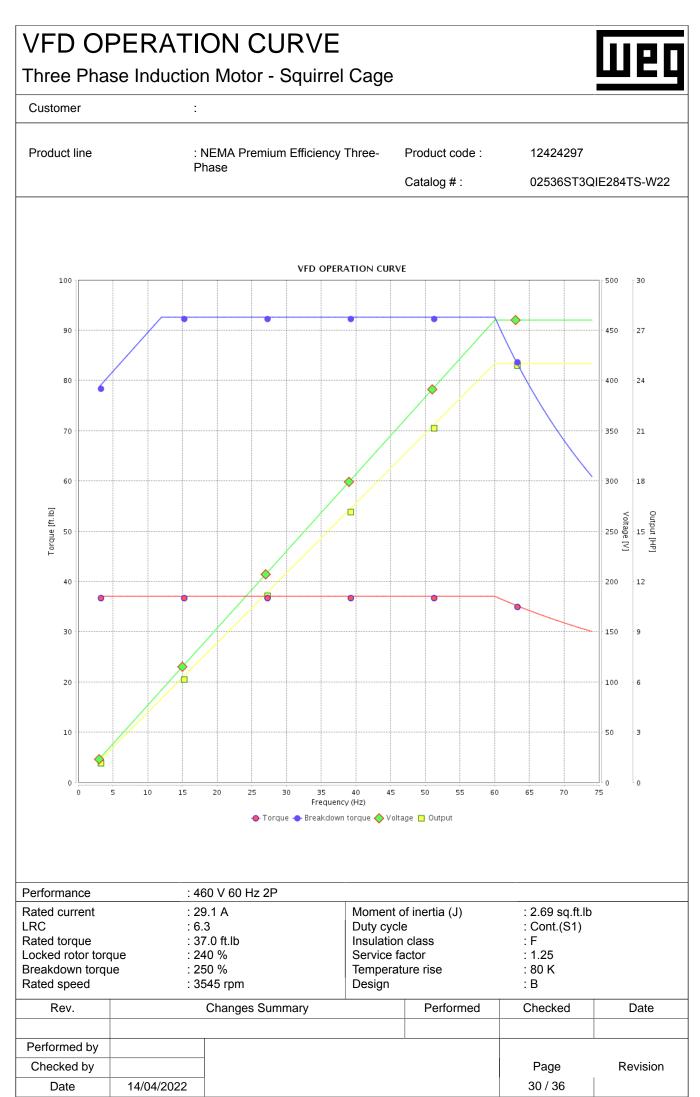


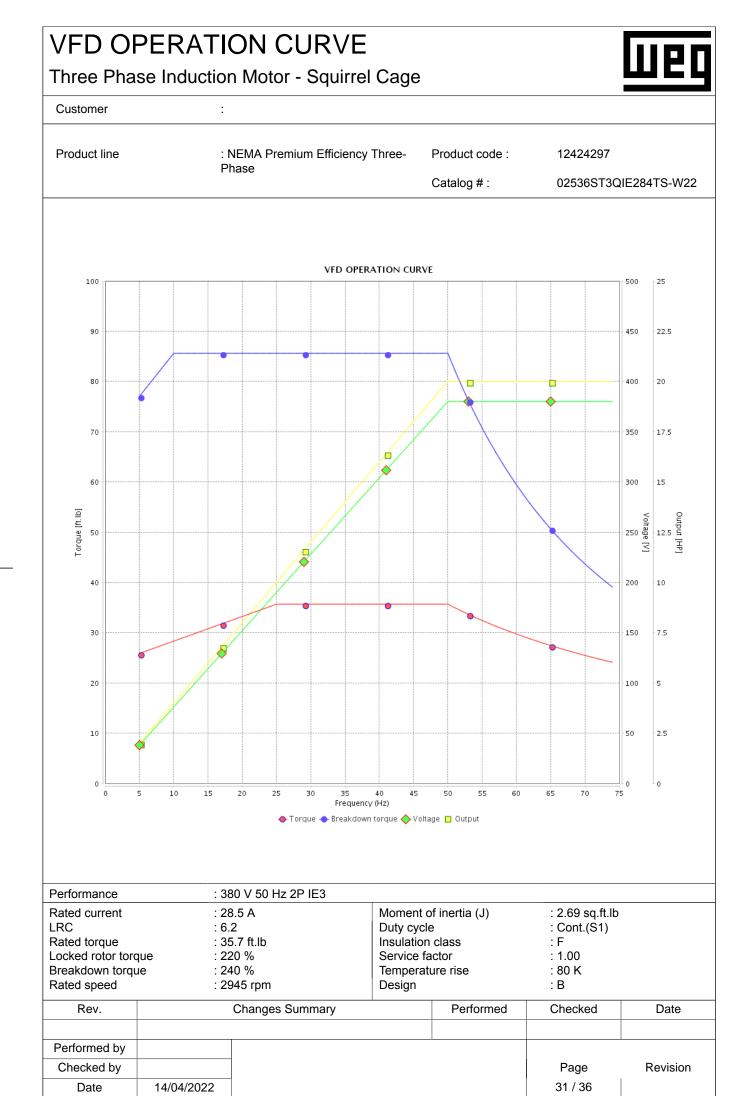
THERMAL LIMIT CURVE Three Phase Induction Motor - Squirrel Cage							
Customer	:						
Product line	: NEMA Premium Efficiency Phase	Three- Product code : Catalog # :	12424297 02536ST3QIE284TS-W22				
Dorformance							
Performance	: 415 V 50 Hz 2P IE2	Moment of inertia (1)					
Rated current LRC	: 32.5 A : 6.2	Moment of inertia (J) Duty cycle	: 2.69 sq.ft.lb : Cont.(S1)				
Rated torque Locked rotor torque	: 44.7 ft.lb : 220 %	Insulation class Service factor	: F : 1.00				
Breakdown torque Rated speed	: 240 % : 2935 rpm	Temperature rise Design	: 105 K : B				

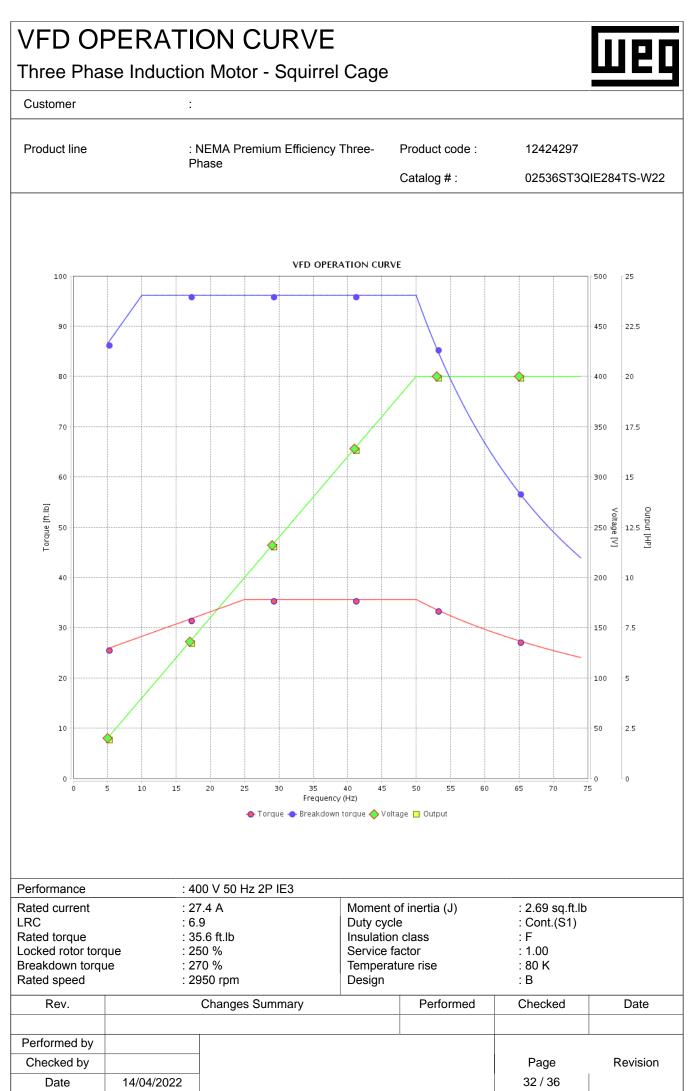
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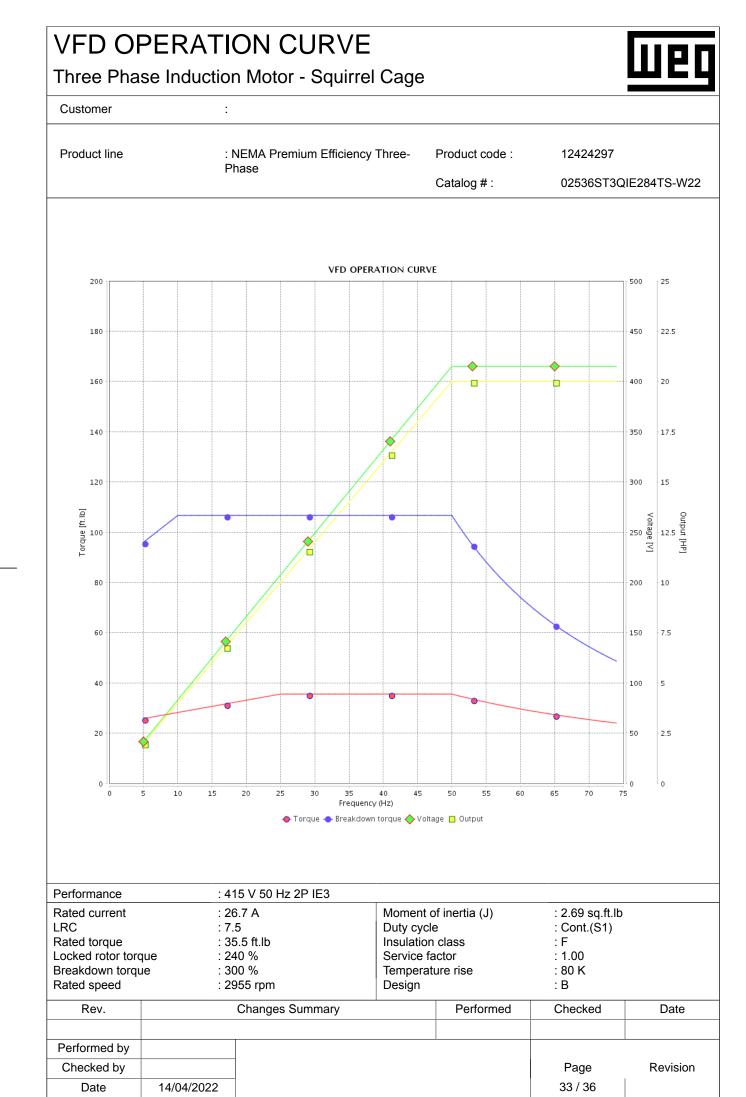
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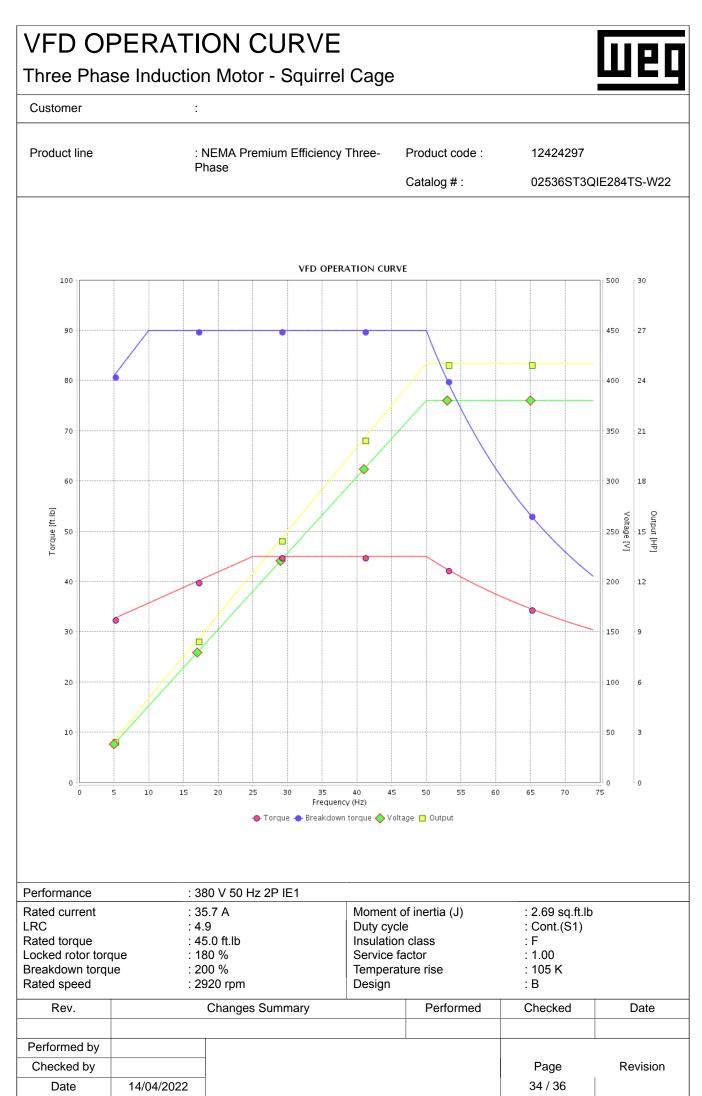


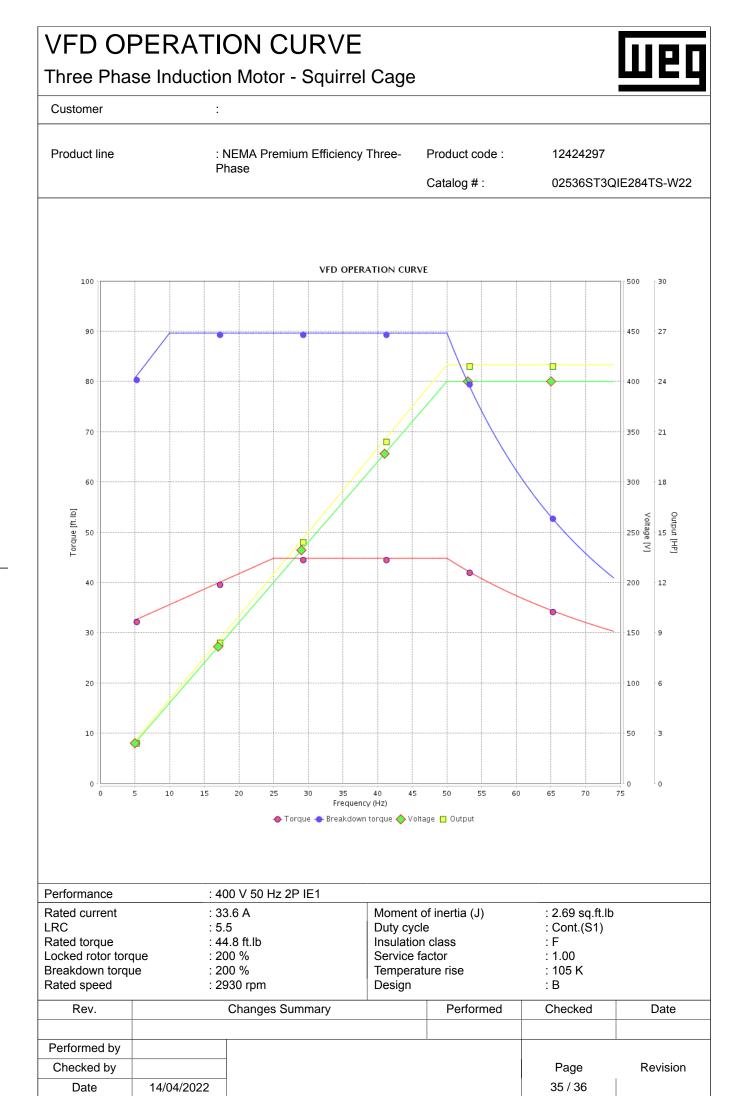


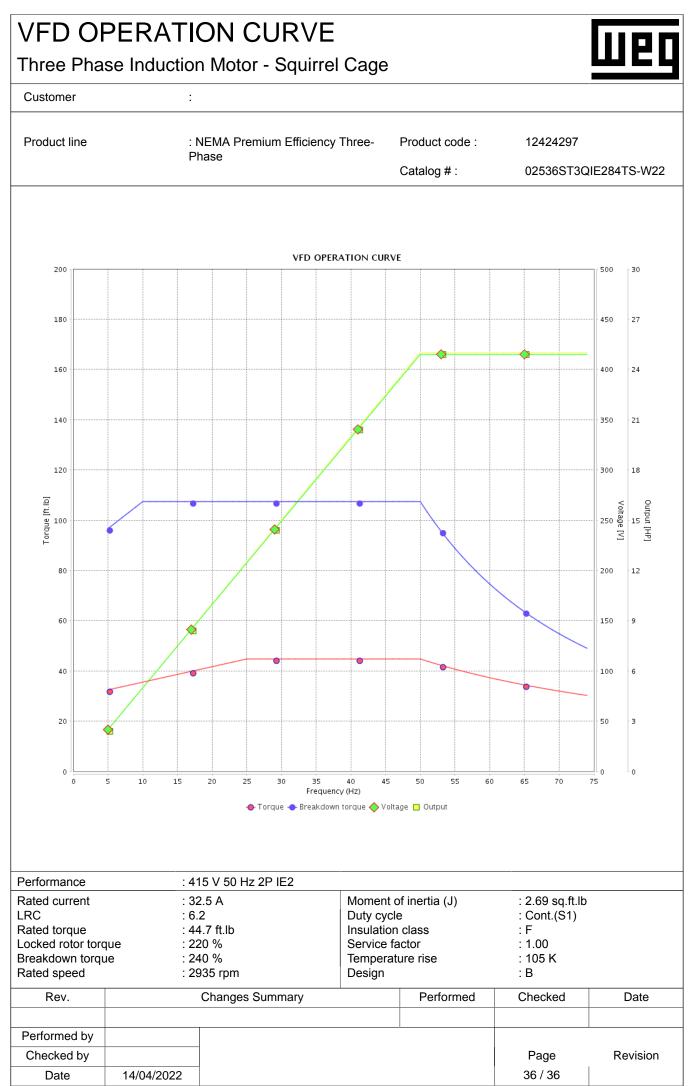


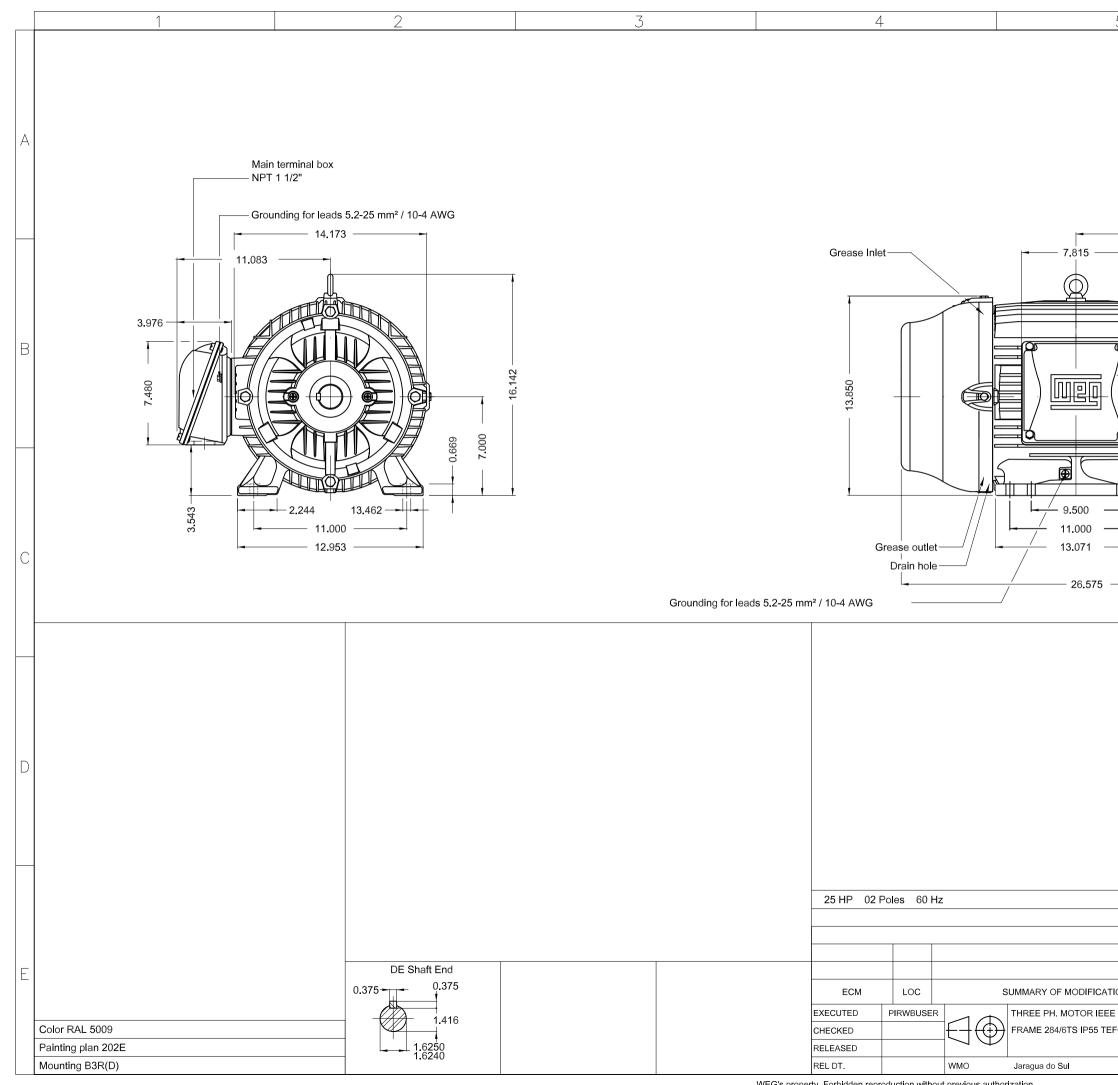












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