# DATA SHEET

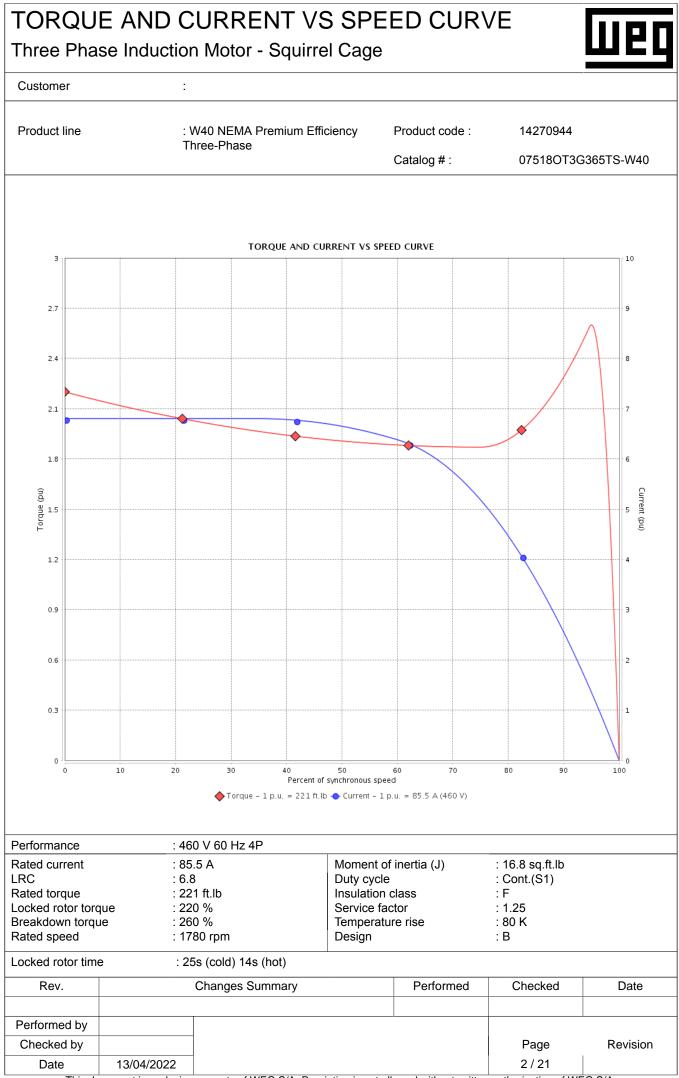
Three Phase Induction Motor - Squirrel Cage

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#### Customer

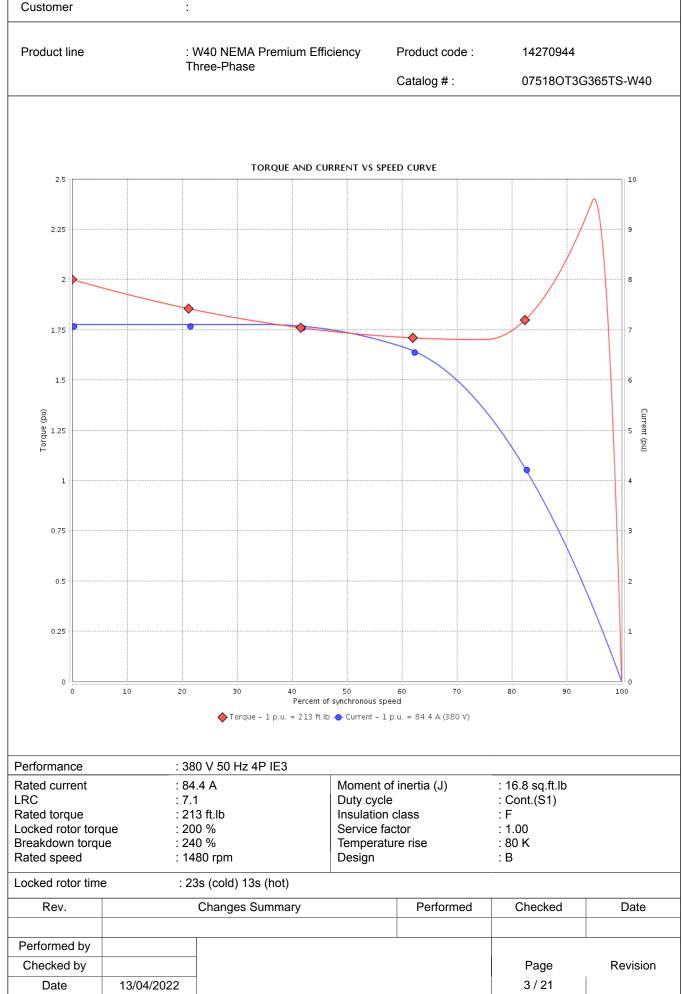
Product line		: W40 NEMA Premiur	n Efficie	ncy Pr	oduct code :	142709	944
		Three-Phase		Ca	atalog # :	075180	OT3G365TS-W40
Frame Insulation class Duty cycle Ambient tempera Altitude Protection degre Design		: 364/5TS : F : Cont.(S1) : -20°C to +40°C : 1000 m.a.s.l. : IP23 : B		Cooling m Mounting Rotation <sup>1</sup> Starting m Approx. w Moment o	ethod		(CW and CCW) t On Line o
Output [HP]		75		60	6	n	60
Poles		4		4	4	-	4
Frequency [Hz]		60		50	50		50
Rated voltage [V]		460		380	40		415
Rated current [A]		85.5		84.4	82	-	80.1
. R. Amperes [A]		581		599	59		609
_RC [A]		6.8x(Code G)	7 1	1x(Code H)	7.2x(Co		7.6x(Code J)
No load current [A	1	30.5	1.	28.5	33		36.1
Rated speed [RPN	/I]	1780		1480	148		1484
Slip [%]		1.11		1.33	1.2		1.07
Rated torque [ft.lb]		221		213	21		212
_ocked rotor torqu		220		200	22		250
Breakdown torque	[%]	260		240	26		280
Service factor		1.25		1.00	1.0		1.00
Temperature rise		80 K	80 K		80		80 K
ocked rotor time		25s (cold) 14s (hot)	23s (cold) 13s (hot)		t) 23s (cold)	13s (hot)	23s (cold) 13s (hot)
Noise level <sup>2</sup>		69.0 dB(A)	Ì	-			
	25%	94.4	93.7		93	.7	93.7
	50%	94.5	93.8		93	.8	93.8
Efficiency (%)	75%	95.0		94.2	94		94.2
	100%	95.0		94.2	94		94.2
	25%	0.48		0.48	0.4		0.40
	50%	0.48		0.46	0.2		0.40
Power Factor	75%	0.73		0.73	0.0		0.00
	100%			0.82			
	100%	0.85		1	0.8	34	0.83
Bearing type		: 6314 C3 621	<u>rive end</u> 2 Z C3	Max. tractio	on	: 1655 I	
Sealing		Bearing Seal Bear : 20000 h 20	ithout ing Seal 000 h	Max. comp	ression	: 2419	b
Lubricant amoun	t		13 g				
Lubricant type		: Mobil Polyrex E					
Notes							
must be eliminate (1) Looking the m (2) Measured at 1	d. otor from the m and with t veight subjec ocess.	ncel the previous one, where shaft end. tolerance of +3dB(A). to changes after	hich				sts with sinusoidal stipulated in NEMA
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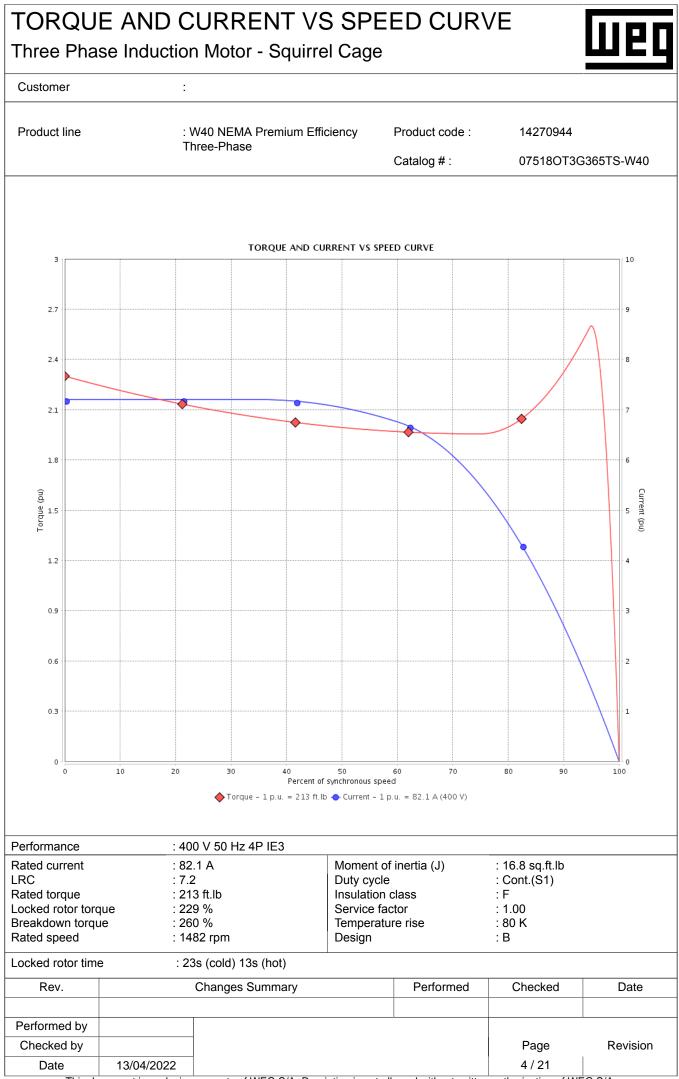
### TORQUE AND CURRENT VS SPEED CURVE

Three Phase Induction Motor - Squirrel Cage

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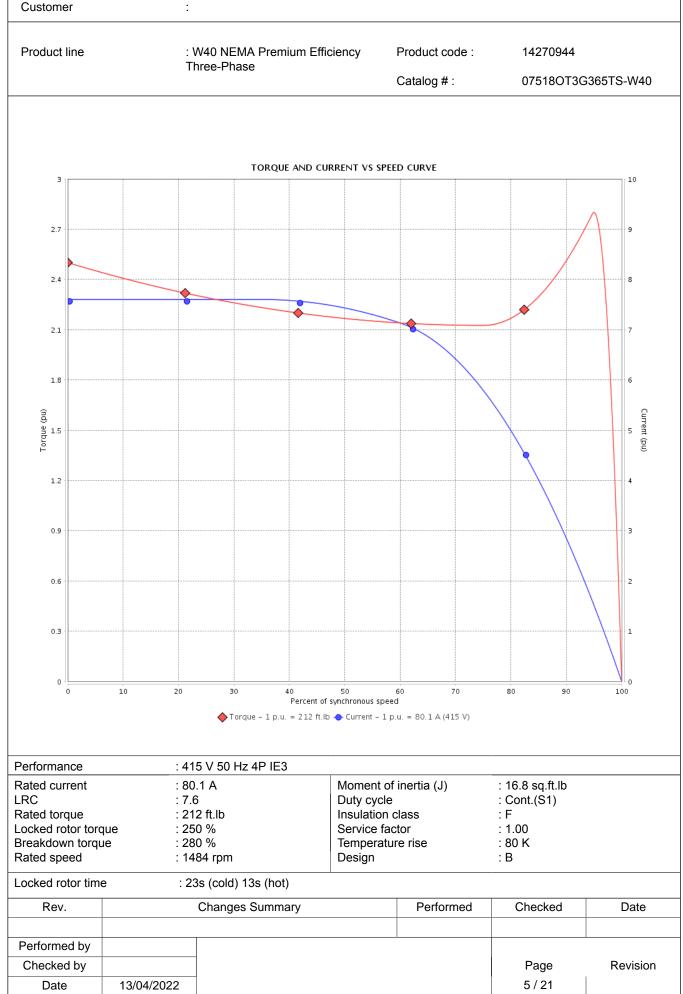
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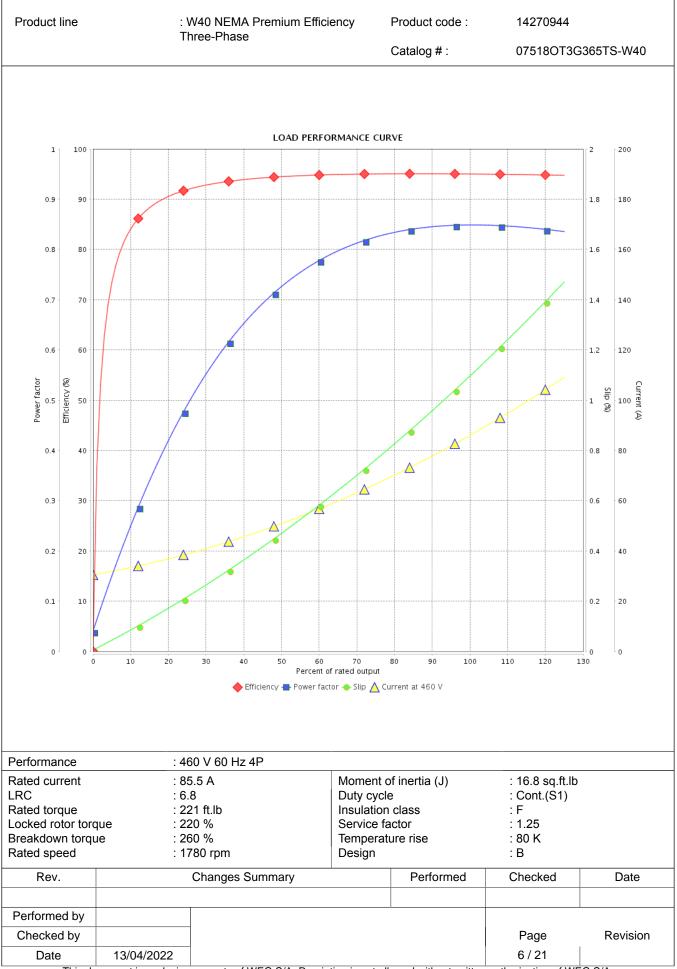
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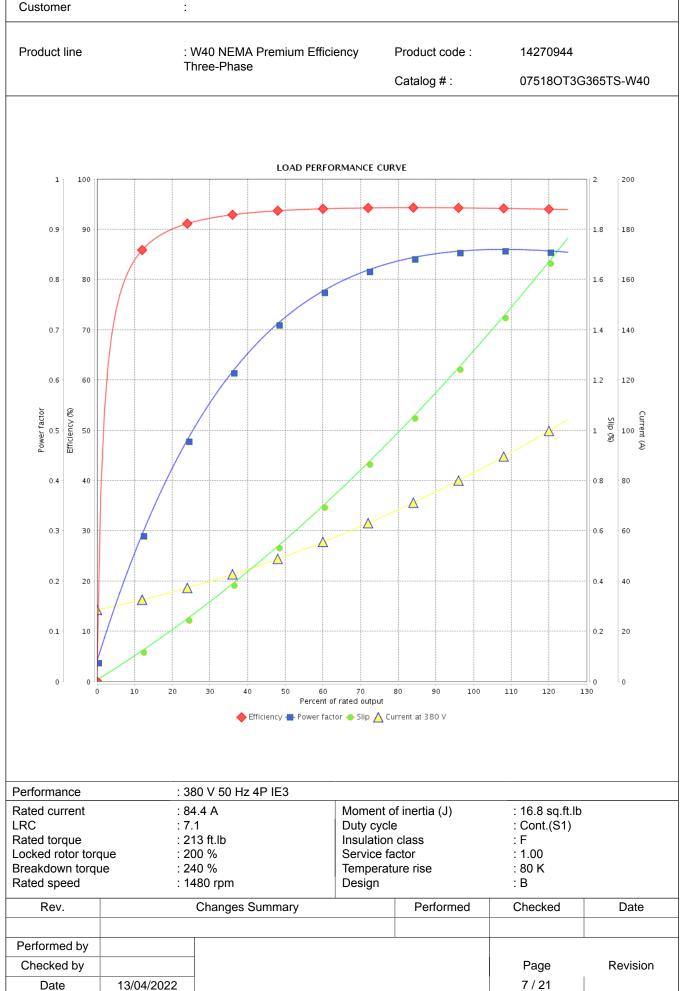


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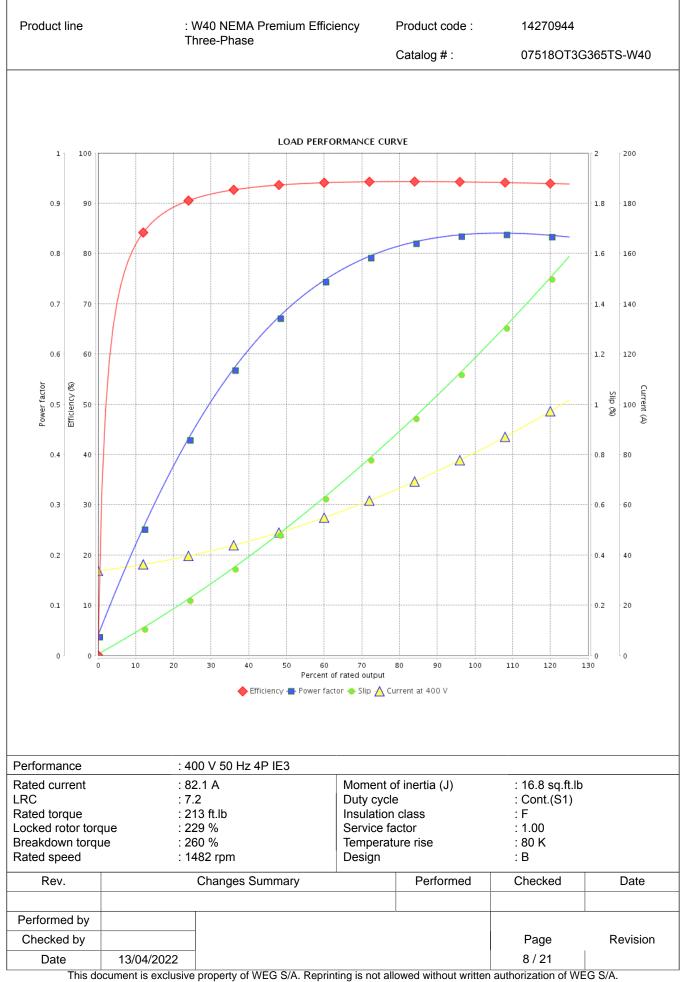
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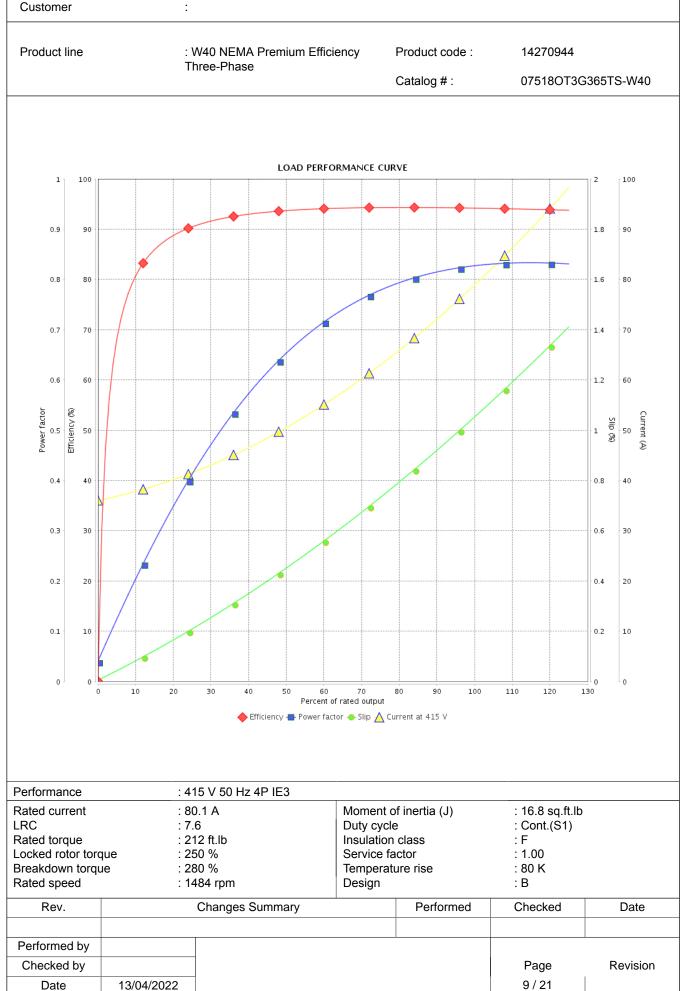


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### THERMAL LIMIT CURVE

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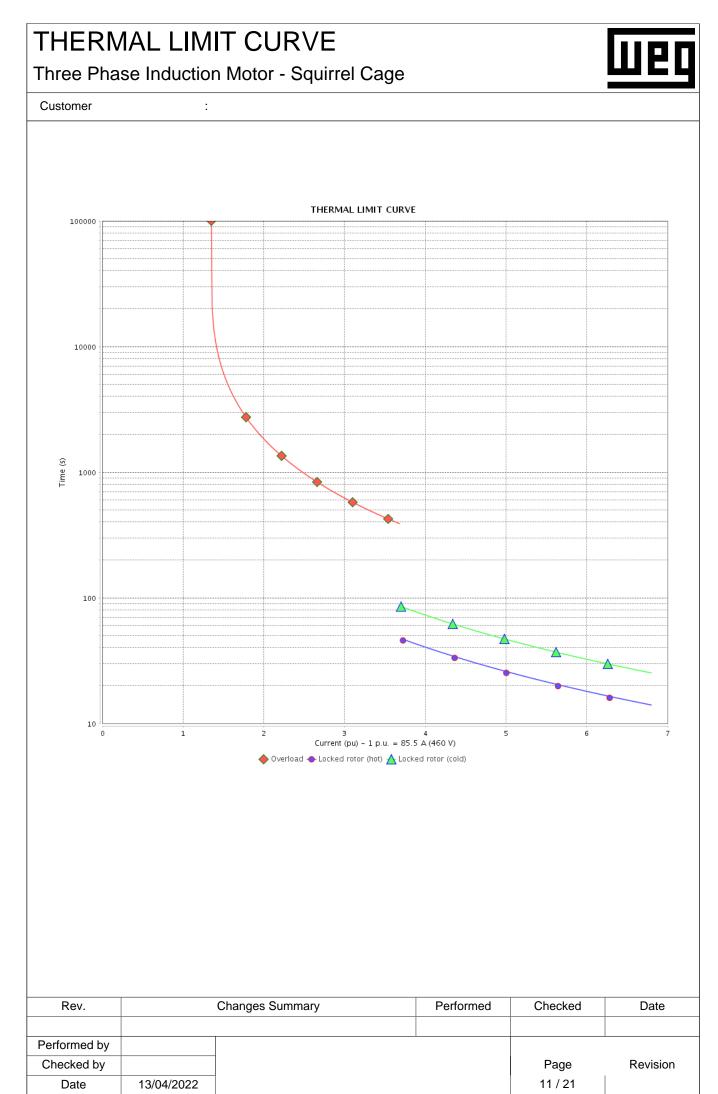
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Customer

Product line		W40 NEMA Premium Efficie		Product code :	14270044	14270944		
		hree-Phase						
				Catalog # :	07518OT3G3	65TS-W40		
Performance	· /	60 V 60 Hz 4P						
Rated current		5.5 A	Momento	f inertia (J)	: 16.8 sq.ft.lb			
LRC	: 6	5.8	Duty cycle	9	: Cont.(S1)			
Rated torque		21 ft.lb	Insulation class Service factor		: F			
Locked rotor torq Breakdown torqu	ie :2			ure rise	: 1.25 : 80 K			
Rated speed		780 rpm	Design		: B			
Heating constant								
Cooling constant								
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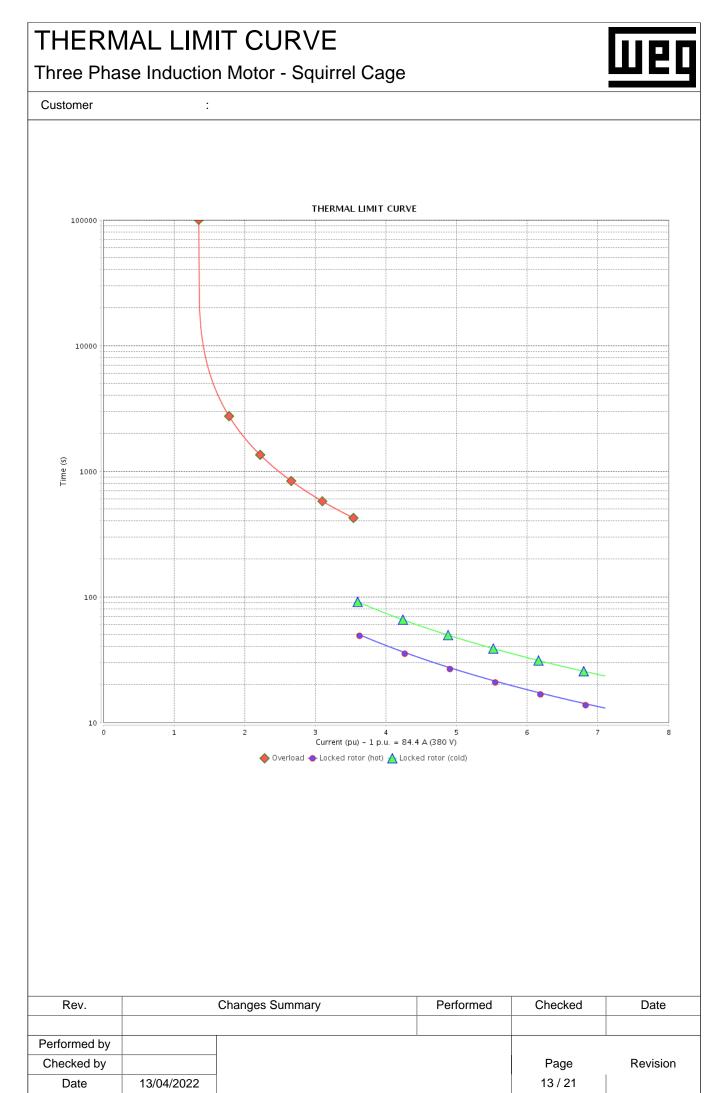
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Customer

Product line		: W40 NEMA Premium Efficiency		Product code :	14270944	14270944		
		Three-Phase		Catalog # :	07518OT3G3	65TS-W40		
Performance		380 V 50 Hz 4P IE3		<b>•</b> •••••••••••••••••••••••••••••••••••	10.0 6 11			
Rated current LRC Rated torque Locked rotor torq Breakdown torqu Rated speed	: 7 :2 iue : 2 ie : 2	34.4 A 7.1 213 ft.lb 200 % 240 % 1480 rpm	Moment o Duty cycle Insulation Service fa Temperatu Design	class ctor	: 16.8 sq.ft.lb : Cont.(S1) : F : 1.00 : 80 K : B			
Heating constant	t							
Cooling constant	t							
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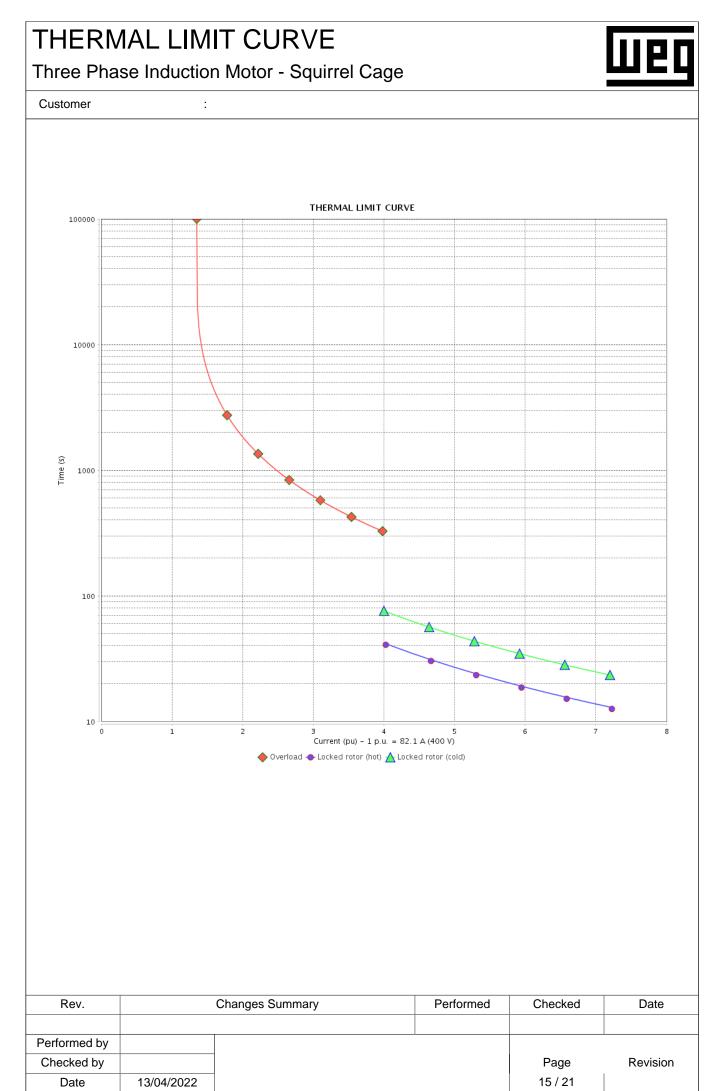
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Customer

Product line		: W40 NEMA Premium Efficiend Three-Phase		Product code :	14270944		
				Catalog # :	07518OT3G3	365TS-W40	
				Catalog # :		365 I S-W4U	
Performance	· 4(	00 V 50 Hz 4P IE3					
Rated current		2.1 A	Moment o	f inertia (J)	: 16.8 sq.ft.lb		
LRC	: 7.	2	Duty cycle	;	: Cont.(S1)		
Rated torque		13 ft.lb	Insulation class		: F : 1.00		
Locked rotor torc Breakdown torqu		29 % 60 %	Service factor Temperature rise		: 1.00 : 80 K		
Rated speed		482 rpm	Design		: B		
Heating constant		· · Þ···	2001911		. 2		
Cooling constant							
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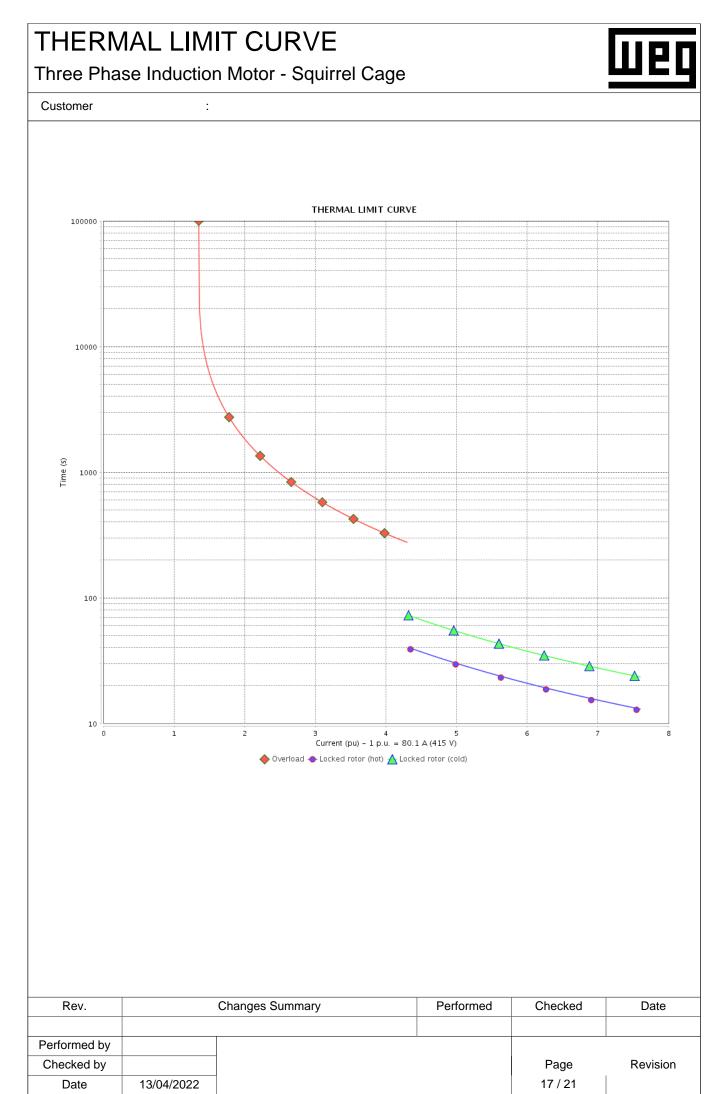


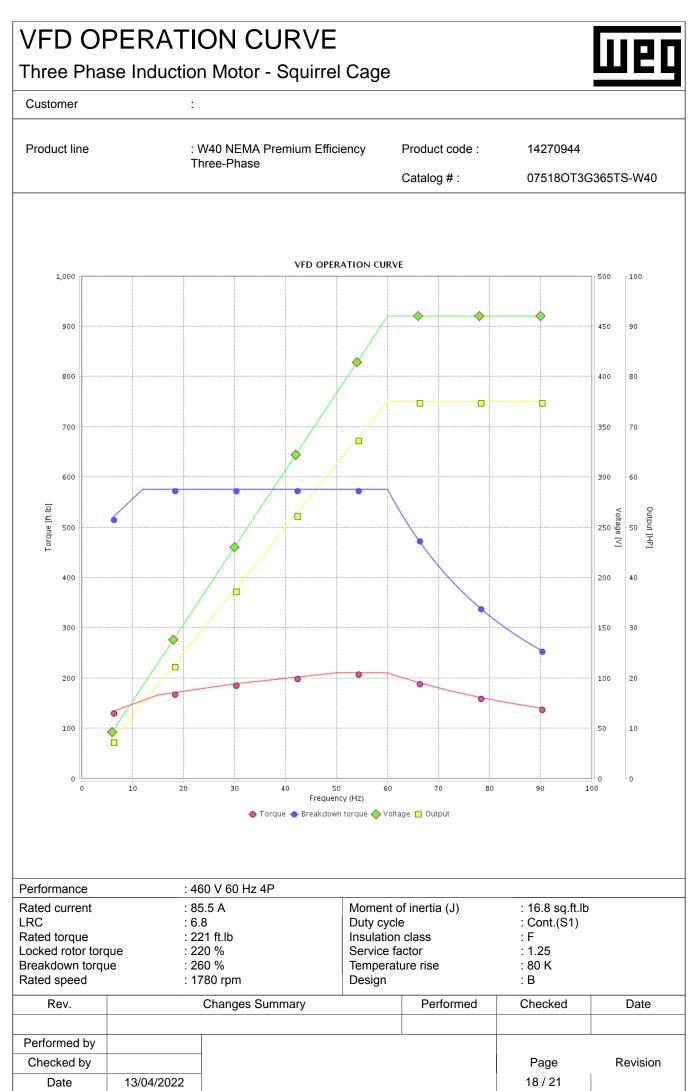
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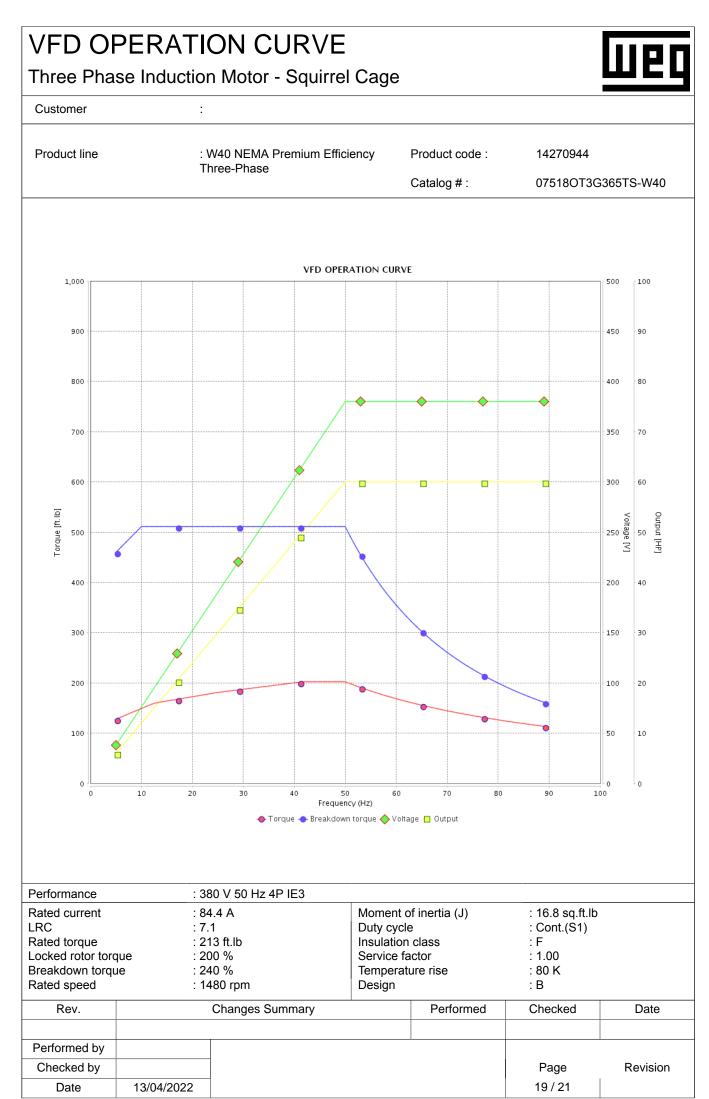
Product line		: W40 NEMA Premium Efficiency Three-Phase		Product code :	14270944	14270944		
				Catalog # :	07518OT3G3	65TS-W40		
Performance	: 4	15 V 50 Hz 4P IE3						
Rated current LRC Rated torque Locked rotor toro Breakdown torqu Rated speed	: 7 : 2 que : 2 Je : 2	0.1 A .6 12 ft.lb 50 % 80 % 484 rpm	Moment o Duty cycle Insulation Service fa Temperatu Design	class ctor	: 16.8 sq.ft.lb : Cont.(S1) : F : 1.00 : 80 K : B			
Heating constan	t							
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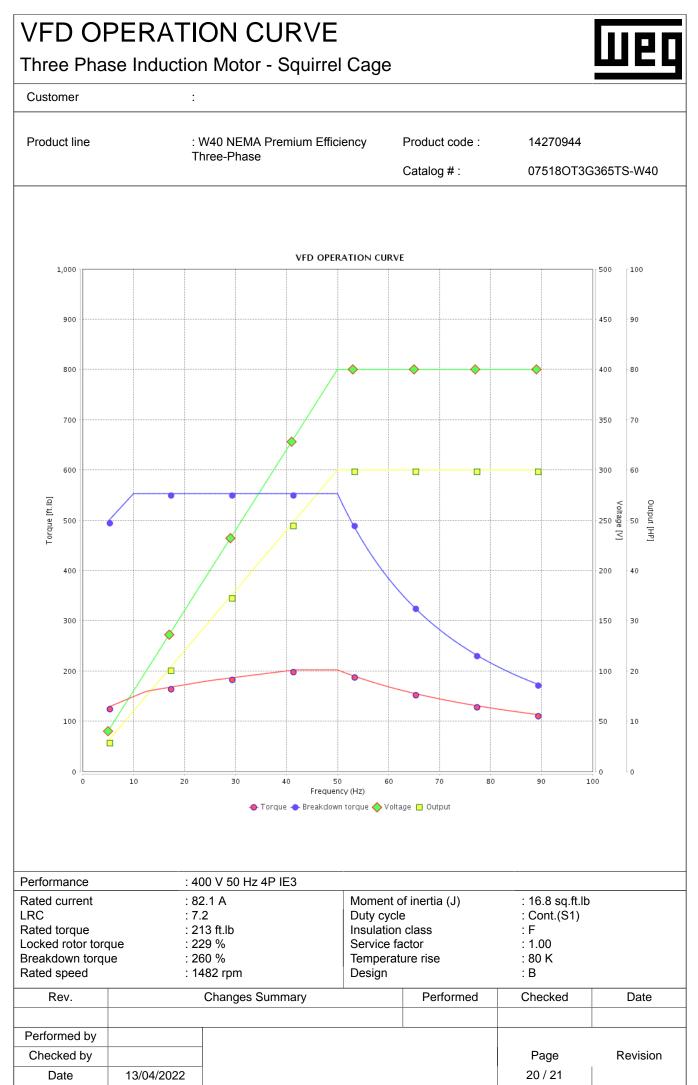
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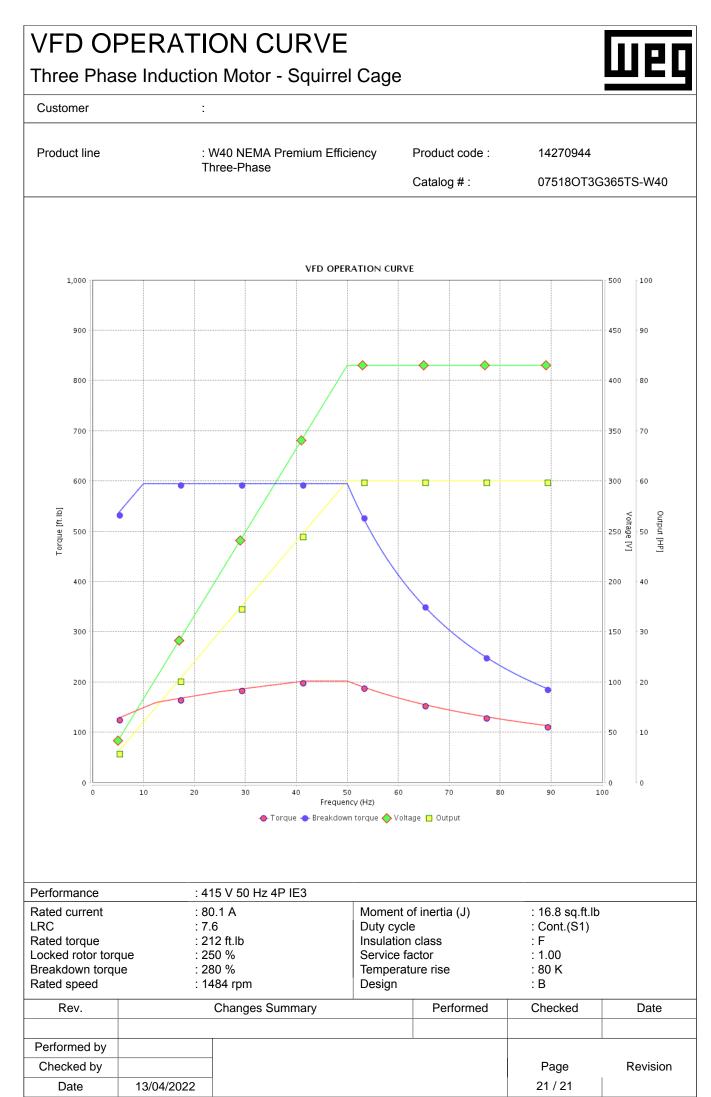
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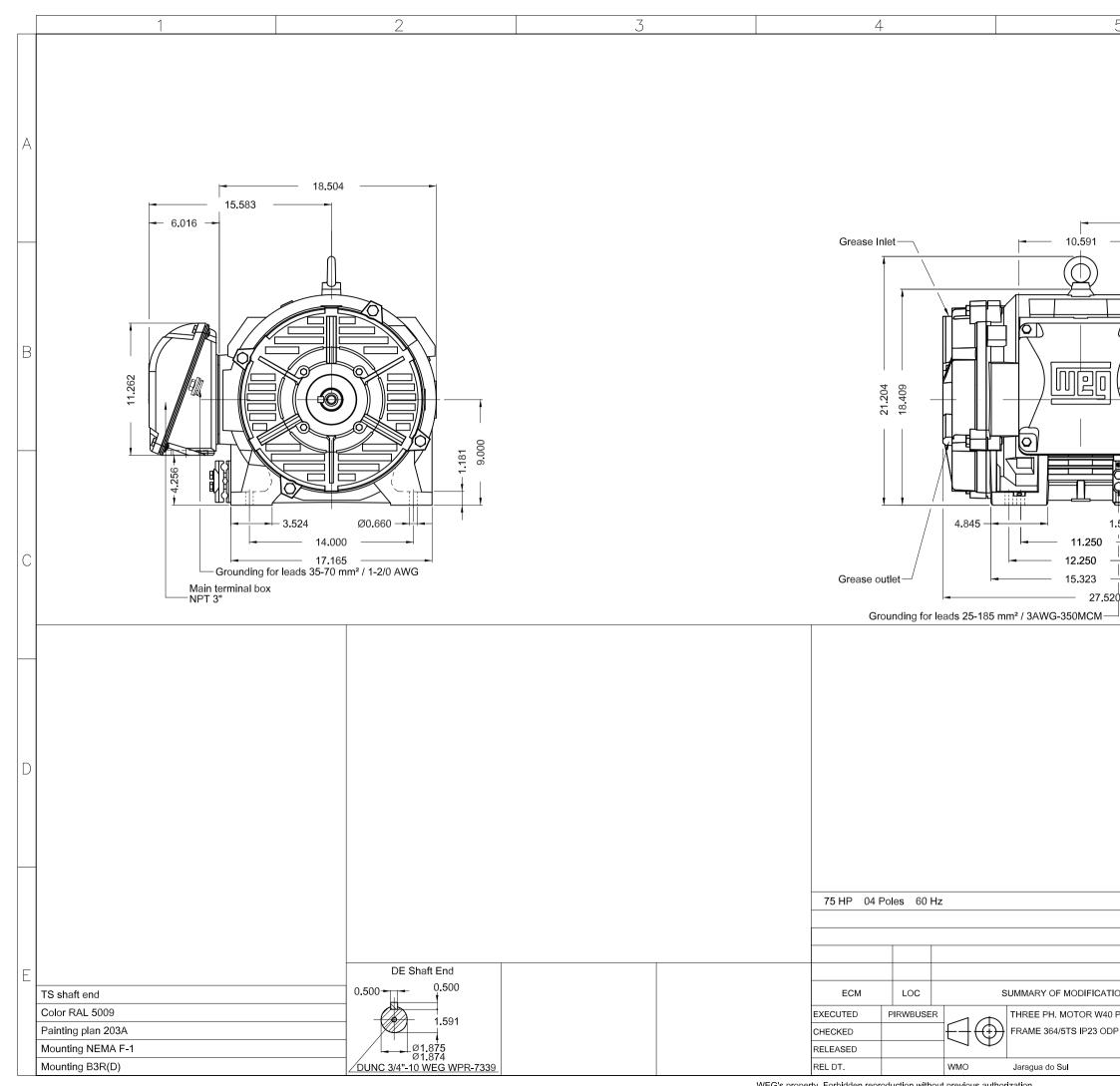












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