# DATA SHEET

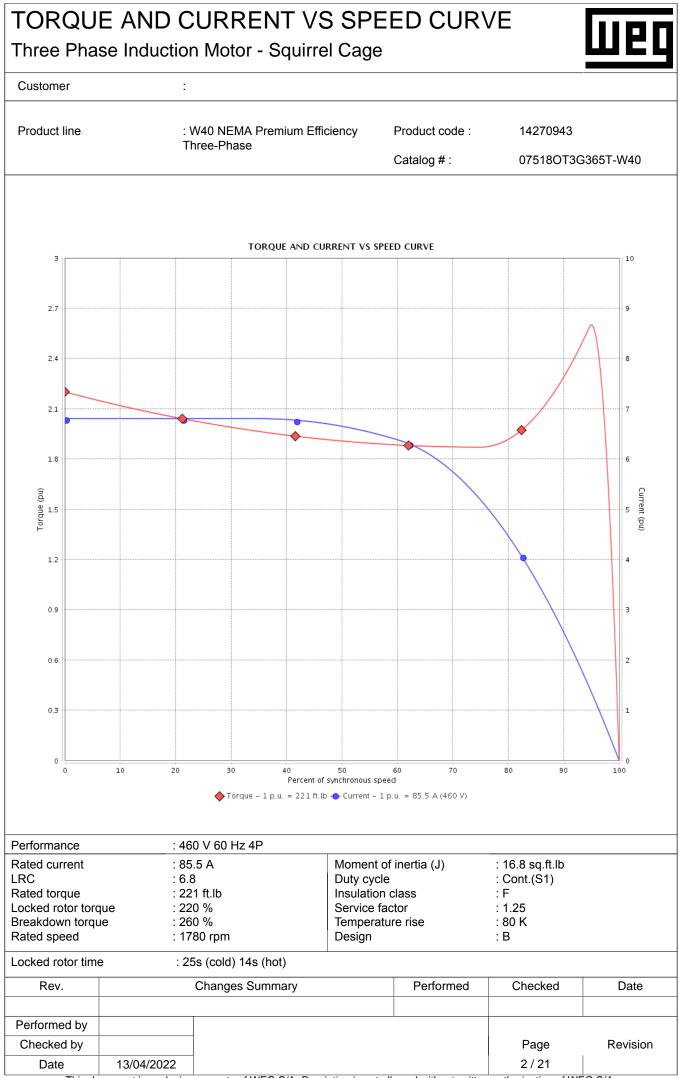
Three Phase Induction Motor - Squirrel Cage

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#### Customer

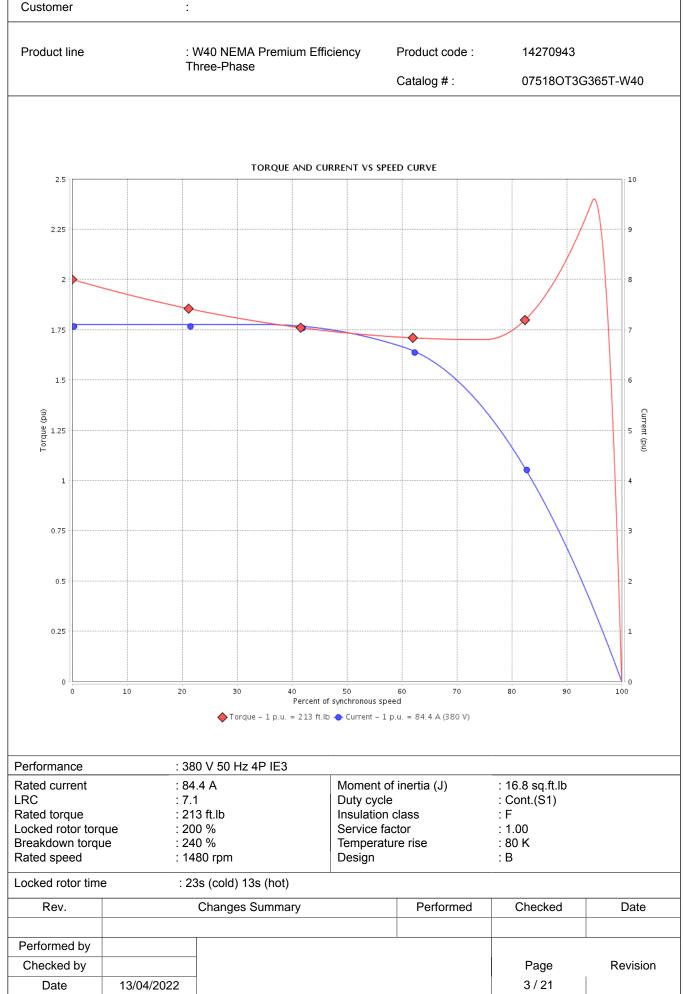
Product line		: W40 NEMA Premiur	n Efficie	ncy Pr	oduct code :	1427094	13
		Three-Phase		Ca	atalog # :	075180	T3G365T-W40
Frame Insulation class Duty cycle Ambient temperature Altitude Protection degree Design		: 364/5T : F : Cont.(S1) : -20°C to +40°C : 1000 m.a.s.l. : IP23 : B		Cooling method Mounting Rotation <sup>1</sup> Starting method Approx. weight <sup>3</sup> Moment of inertia (J)		: IC01 - ODP : F-1 : Both (CW and CCW) : Direct On Line : 769 lb : 16.8 sq.ft.lb	
Output [HP]		75		60	6	0	60
Poles		4		4	4	-	4
Frequency [Hz]		60		50	5		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	]	30.5		28.5	33		36.1
Rated speed [RPN		1780		1480	148		1484
Slip [%]		1.11		1.33	1.2		1.07
Rated torque [ft.lb]	1	221		213	21		212
Locked rotor torqu		220		200	22		250
Breakdown torque		260		240	26		280
Service factor	r	1.25	1.00		1.0		1.00
Temperature rise		80 K	80 K		80		80 K
Locked rotor time		25s (cold) 14s (hot)	23s (cold) 13s (hot				23s (cold) 13s (hot)
Noise level <sup>2</sup>		69.0 dB(A)	(	,			
	25%	94.4		93.7	93	.7	93.7
	50%	94.5	93.8		93		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%	0.73		0.40	0.6		0.40
Power Factor	75%	0.82		0.82	3.0		0.77
	100%	0.85		0.86	0.0		0.83
Bearing type Sealing		Drive end         Non dr           :         6314 C3         621	r <u>ive end</u> 2 Z C3 ithout	1	n loads on	: 1653 lb : 2422 lb	
Lubrication interv		Bearing Seal Bear : 20000 h 20	ing Seal 000 h 13 g				
Lubricant type		: Mobil Polyrex E					
Notes				1			
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, when the previous one, when the shaft end. Prolerance of +3dB(A). Solar to changes after	hich				s with sinusoidal tipulated in NEMA
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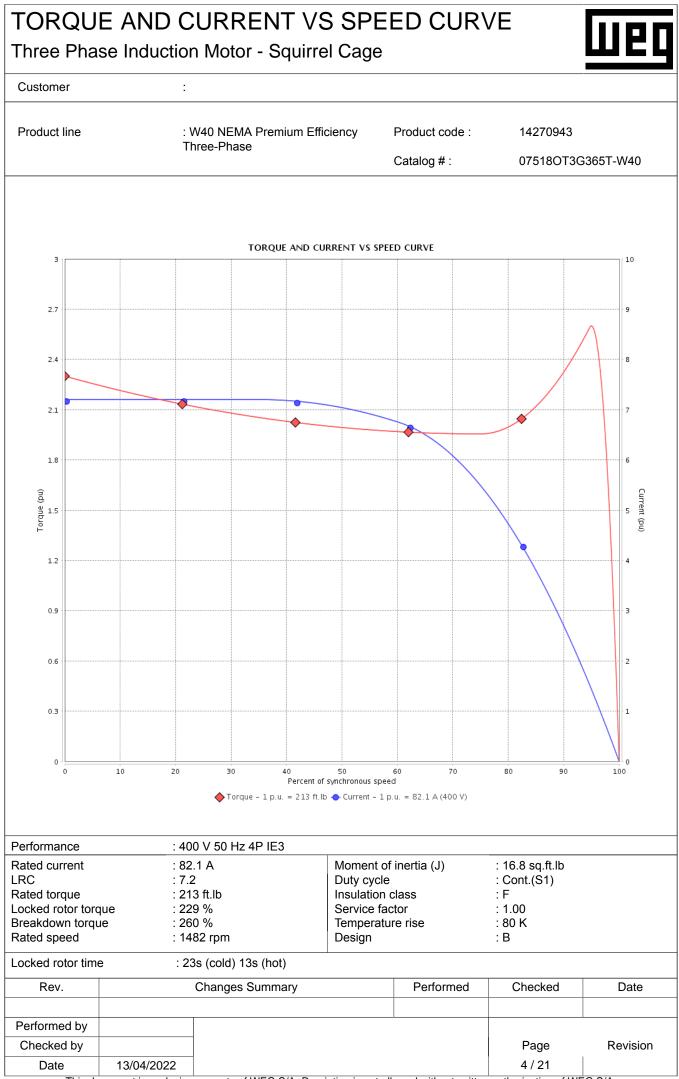
### TORQUE AND CURRENT VS SPEED CURVE

Three Phase Induction Motor - Squirrel Cage

### Customer



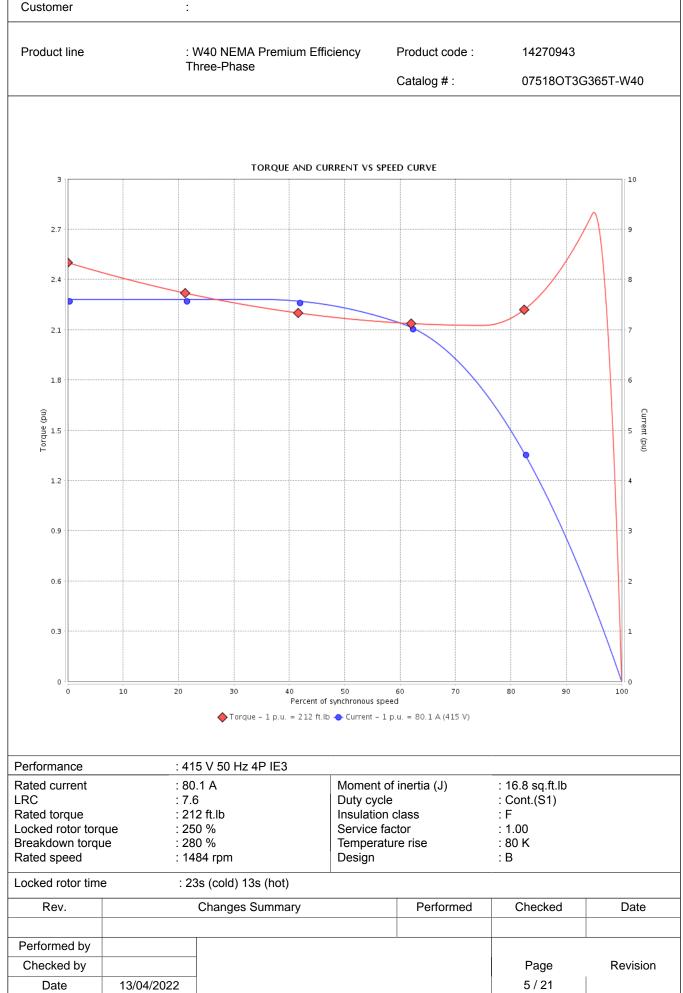
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### TORQUE AND CURRENT VS SPEED CURVE

Three Phase Induction Motor - Squirrel Cage

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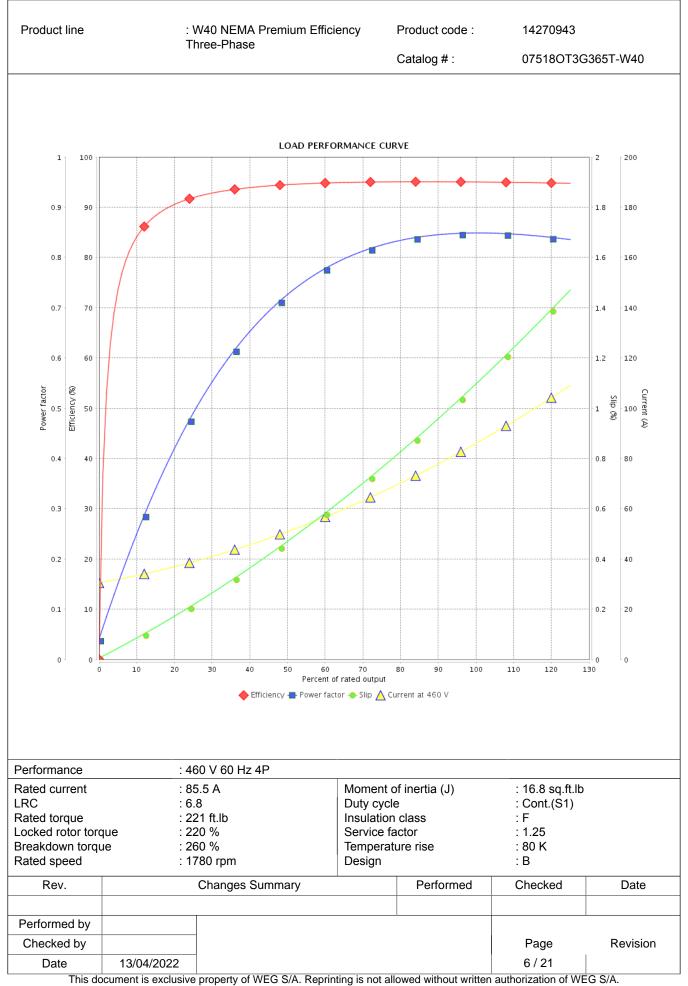
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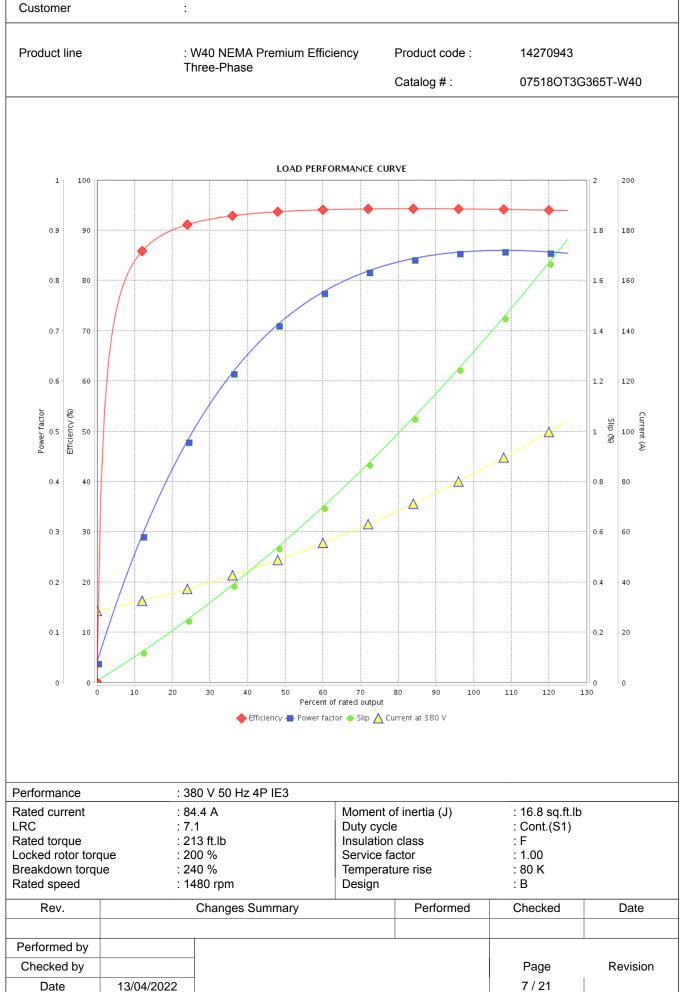


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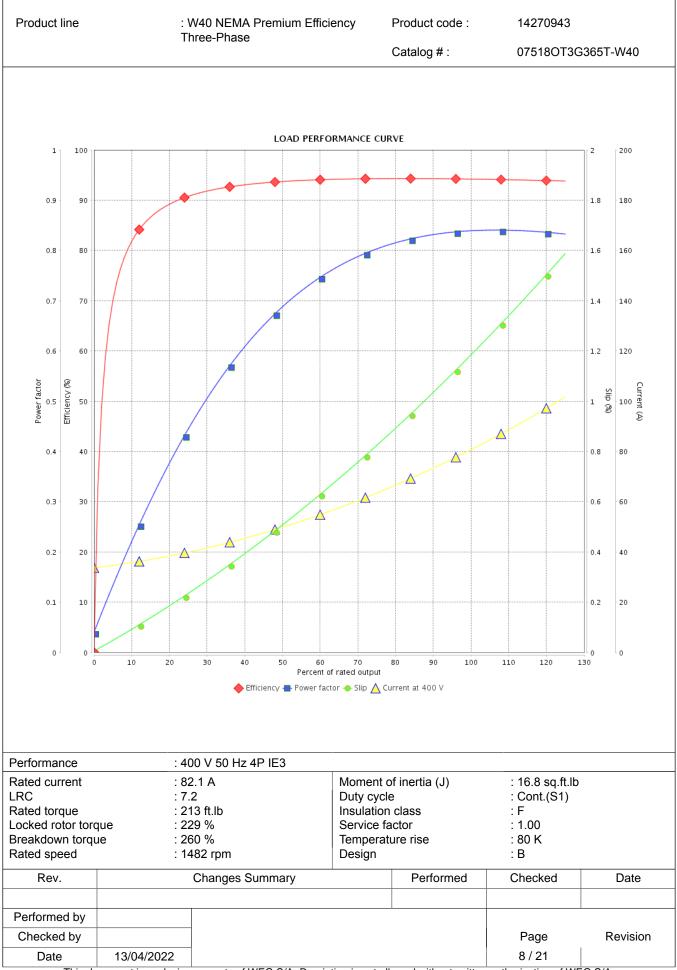
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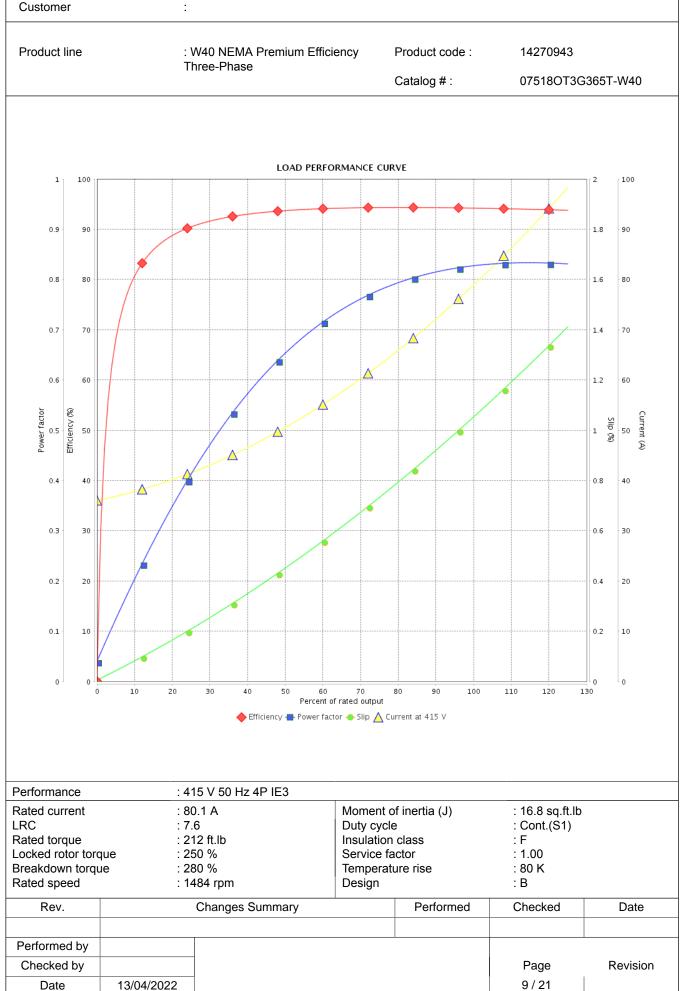


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### THERMAL LIMIT CURVE

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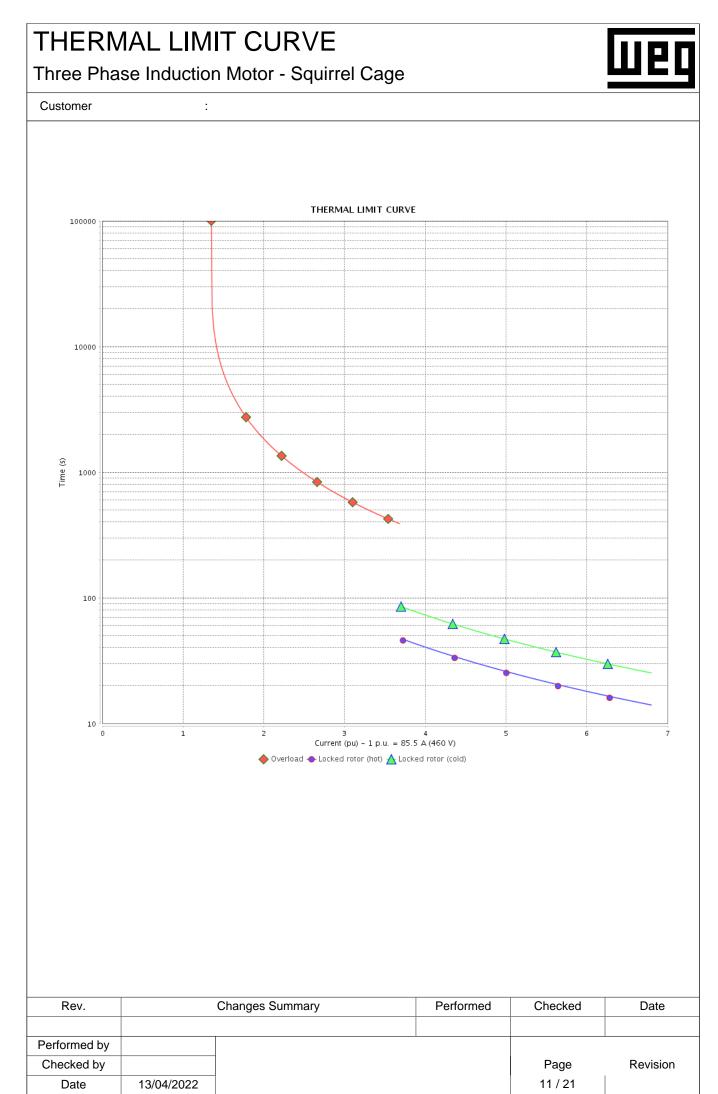


Customer

Product line		W40 NEMA Premium Efficie Three-Phase	ency	Product code :	14270943	
				Catalog # :	07518OT3G3	865T-W40
Performance	· /	60 V 60 Hz 4P				
Rated current		5.5 A	Moment o	f inertia (J)	: 16.8 sq.ft.lb	
LRC		5.8	Duty cycle Insulation class		: Cont.(S1)	
		: 221 ft.lb Insul : 220 % Serv			: F : 1.25	
Breakdown torque : 260 %		.60 %	Temperati		: 80 K	
Rated speed	: 1	780 rpm	Design		: B	
Heating constant						
Cooling constant Rev.		Changes Summers		Performed	Checked	Date
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# THERMAL LIMIT CURVE

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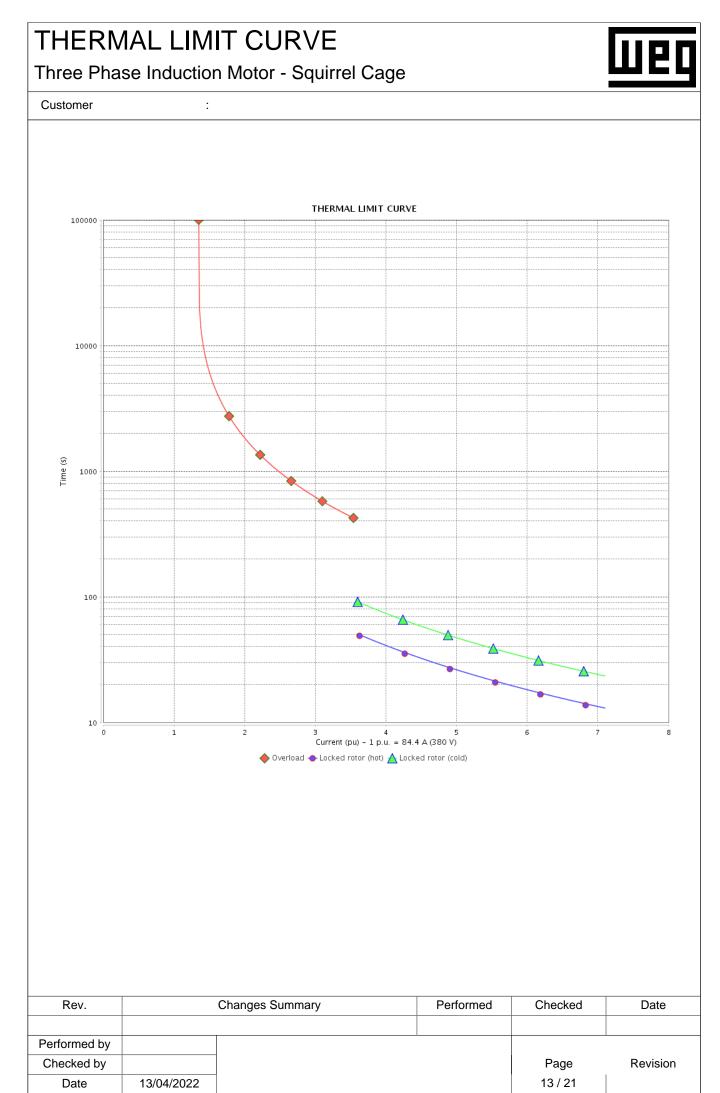
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Customer

Product line		W40 NEMA Premium Efficie hree-Phase	ency	Product code :	14270943	
				Catalog # :	07518OT3G3	07518OT3G365T-W40
Performance	: 3	80 V 50 Hz 4P IE3				
Rated current _RC Rated torque _ocked rotor torq Breakdown torqu Rated speed	: 7 : 2 jue : 2 ie : 2	4.4 A .1 13 ft.lb 00 % 40 % 480 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						
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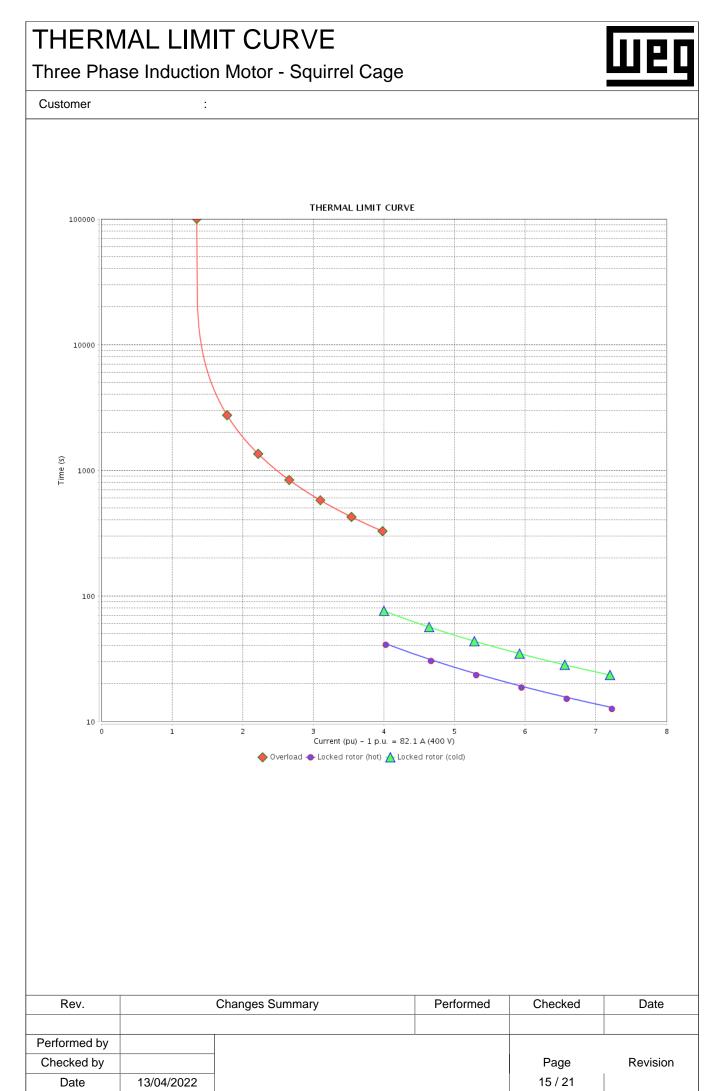
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Customer

Product line	: W40 NEMA Premium Efficien		ncy Product code :		14270943		
		nree-Phase				075180T3G365T-W40	
				Catalog # :	07518OT3G	365T-W40	
Performance		00 V 50 Hz 4P IE3					
Rated current	: 82 : 7.	2.1 A	Moment o	f inertia (J)	: 16.8 sq.ft.lb		
LRC Rated torque		2 13 ft.lb	Duty cycle Insulation	, class	: Cont.(S1) : F		
Locked rotor torque : 229 %		Service factor		: 1.00			
Breakdown torqı Rated speed	own torque : 260 %		Temperature rise Design		: 80 K : B		
			Design		. ບ		
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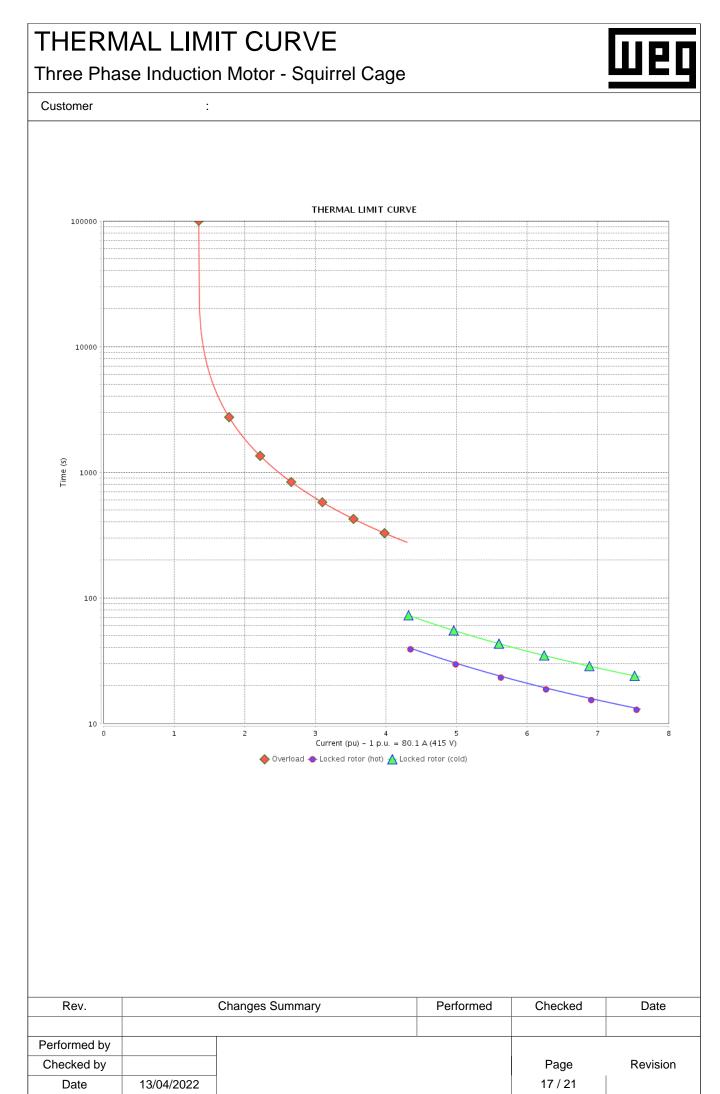
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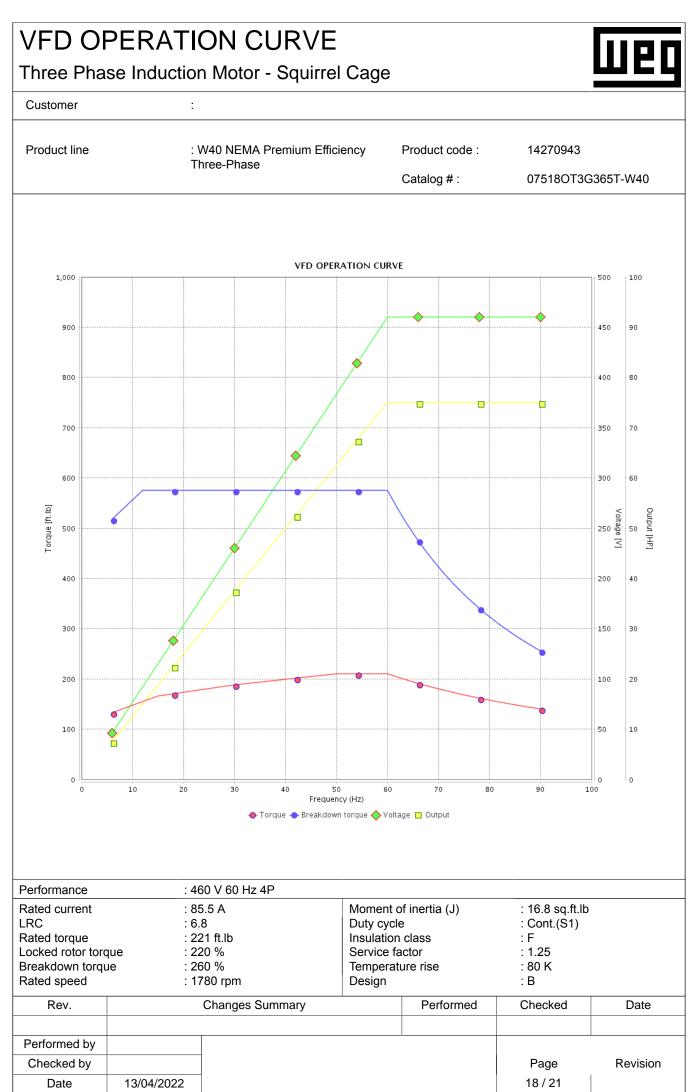
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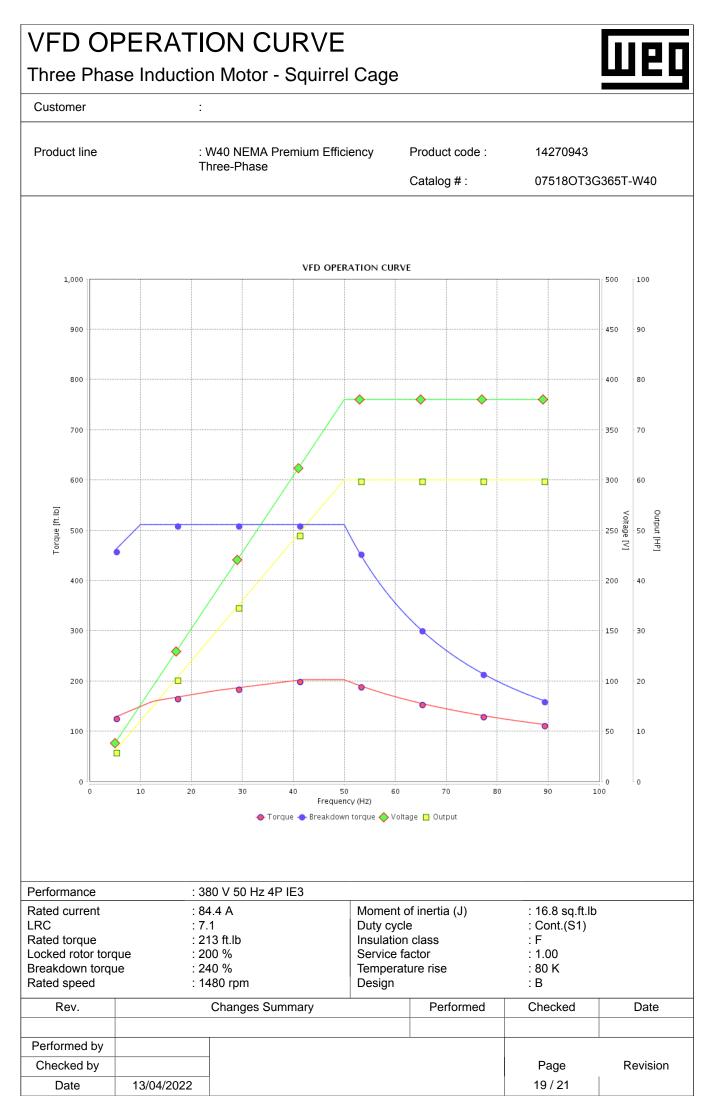


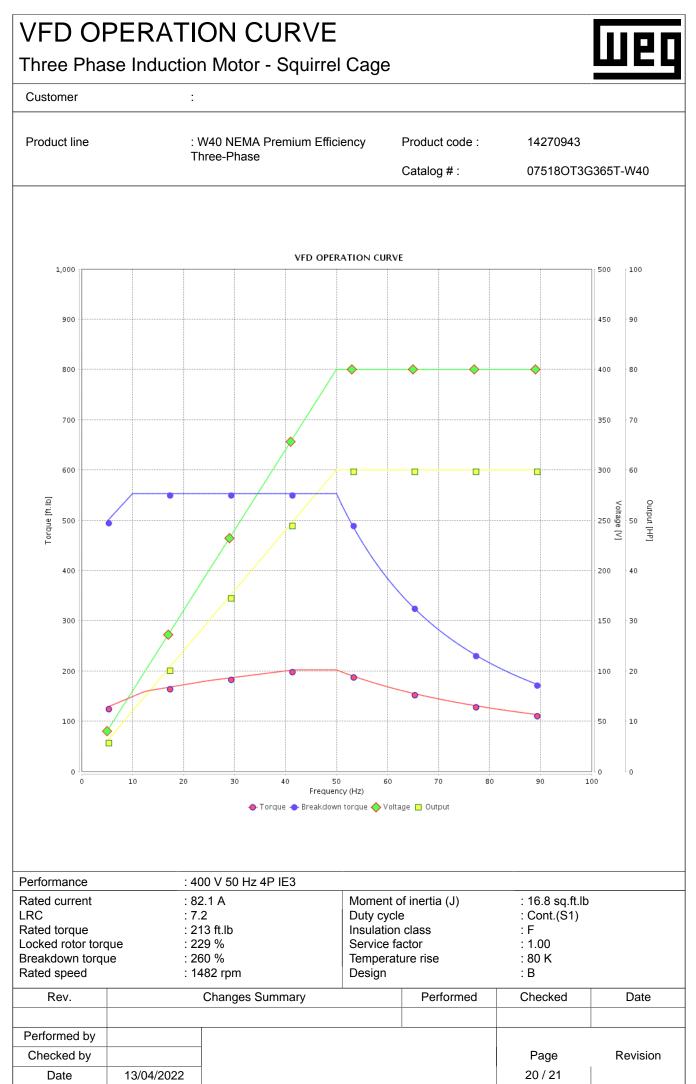
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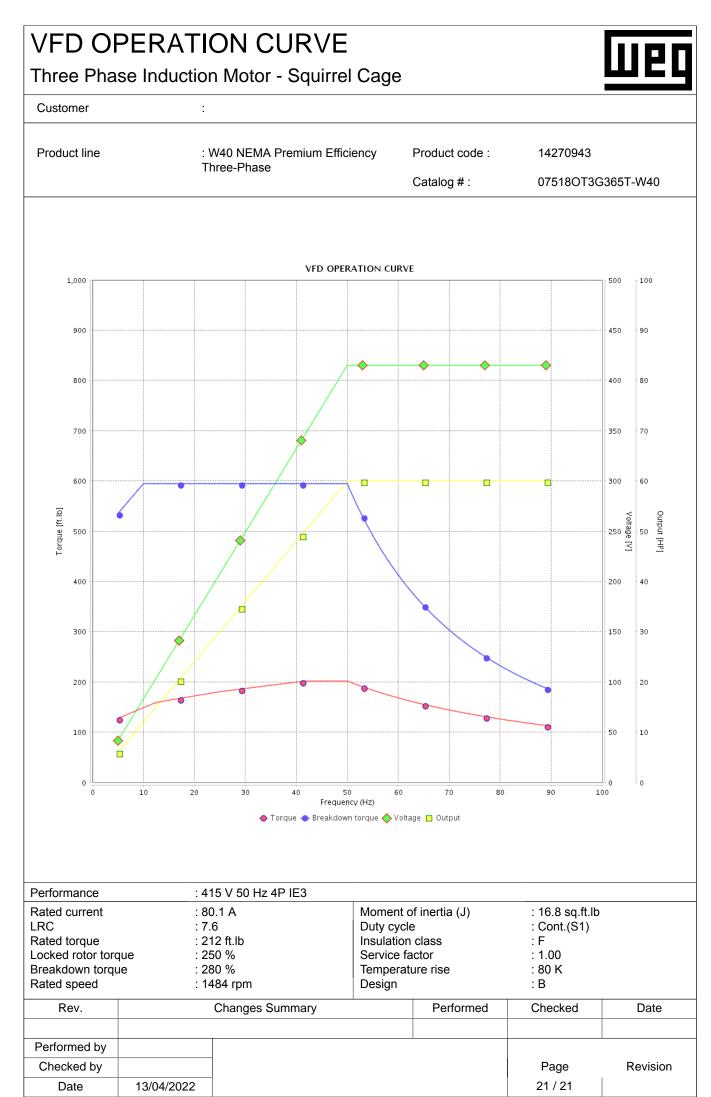
Product line		N40 NEMA Premium Efficie nree-Phase	ncy	Product code :	14270943	14270943		
		liee-Phase		Catalog # :	07518OT3G	07518OT3G365T-W40		
Performance	: 41	15 V 50 Hz 4P IE3						
Rated current LRC Rated torque Locked rotor toro Breakdown torqu Rated speed	: 80 : 7. : 21 gue : 25 Je : 28	).1 A	Moment o Duty cycle Insulation Service fa Temperatu Design	class ctor	: 16.8 sq.ft.lb : Cont.(S1) : F : 1.00 : 80 K : B			
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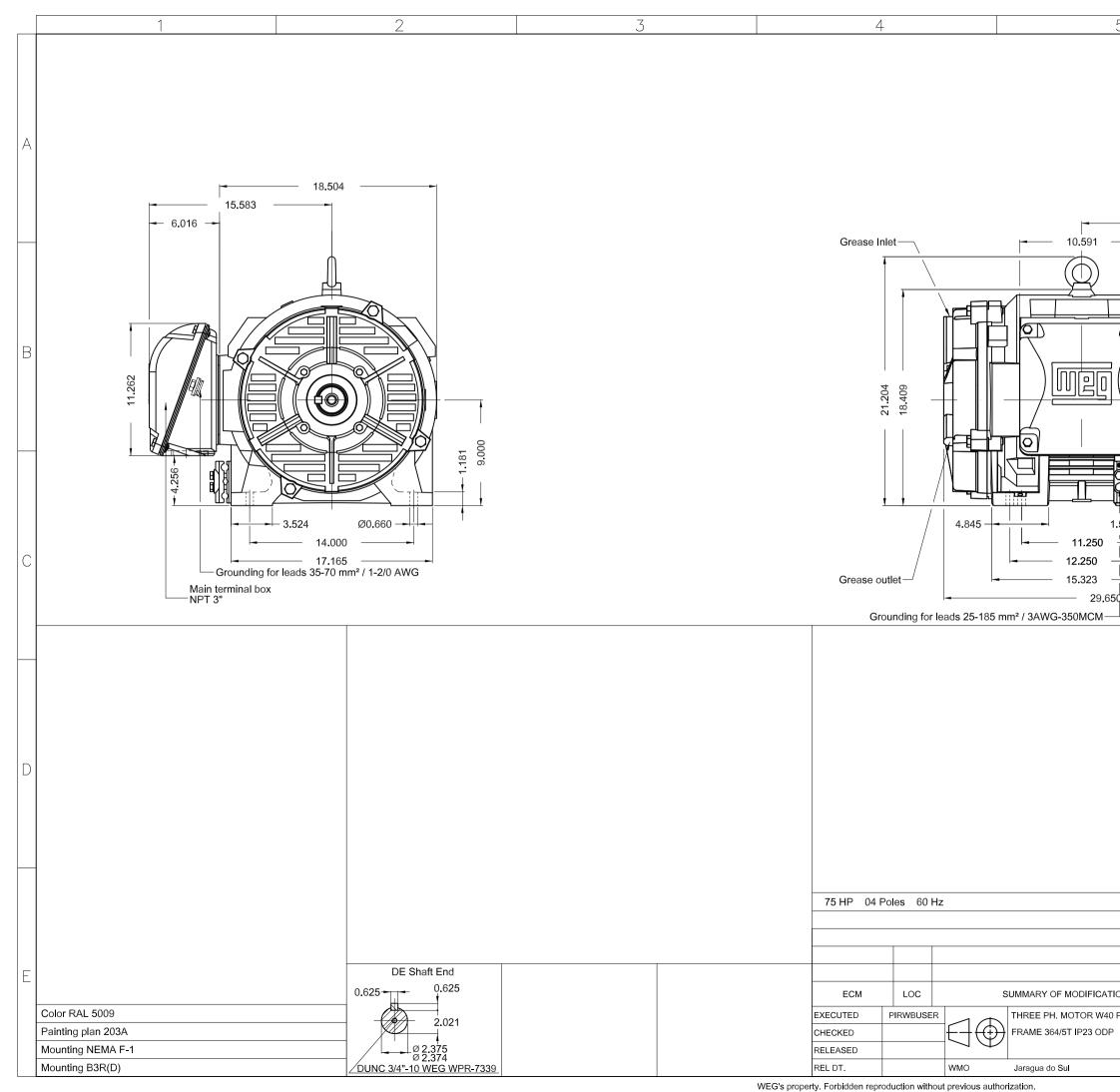












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