DATA SHEET

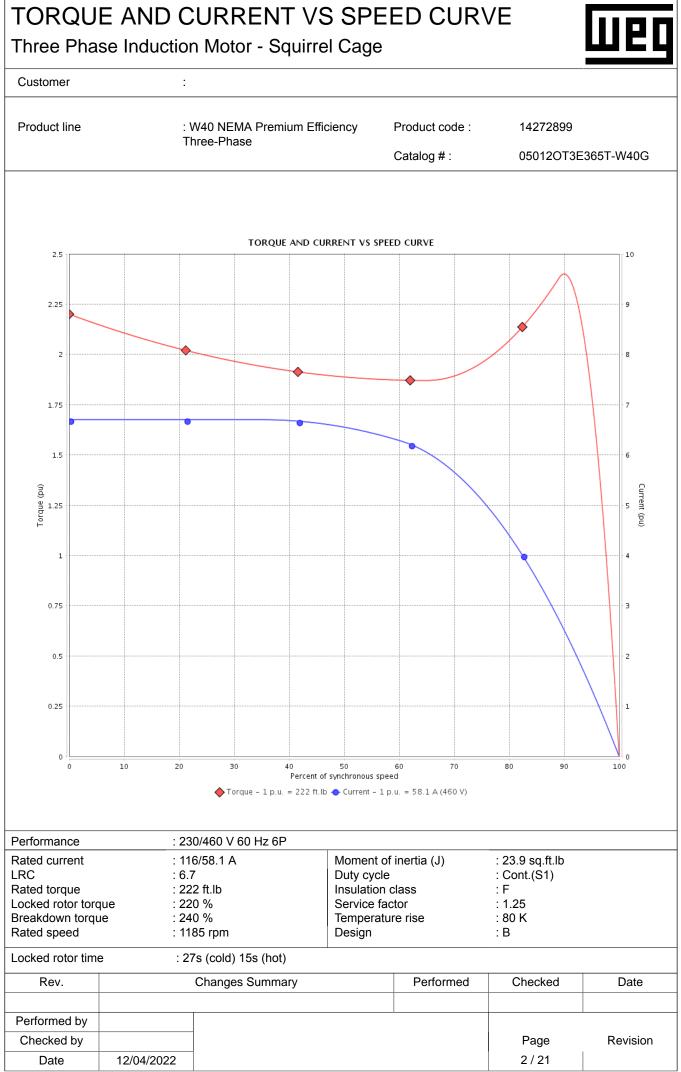
Three Phase Induction Motor - Squirrel Cage

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Customer

Product line		: W40 NEMA Premium Efficiency Three-Phase		ncy Pr	Product code :		14272899	
	Catalog # :		atalog # :	05012OT3E365T-W40G				
Frame Insulation class Duty cycle Ambient temperature Altitude		: 364/5T : F : Cont.(S1) : -20°C to +40°C : 1000 m.a.s.l.		Cooling method Mounting Rotation ¹ Starting method Approx. weight ³		: IC01 - ODP : F-1 : Both (CW and CCW) : Direct On Line : 820 lb		
Protection degree Design	е	: IP23 : B	IP23		Moment of inertia (J)		: 23.9 sq.ft.lb	
Output [HP]		50	1	40	4	0	40	
Poles		6		6		3	6	
Frequency [Hz]		60		50	5	0	50	
Rated voltage [V]		230/460		380	40	00	415	
Rated current [A]		116/58.1		57.1	54	1.8	53.5	
. R. Amperes [A]		779/389		400			412	
.RC [A]		6.7x(Code G)	7.0	0x(Code H)	7.2x(C	ode H)	7.7x(Code J)	
No load current [A	1	40.8/20.4		20.2		.7	23.0	
Rated speed [RPN		1185		985		35	985	
Slip [%]		1.25		1.50		50	1.50	
Rated torque [ft.lb]		222		213		13	213	
ocked rotor torqu		220	213			29	250	
Breakdown torque		240	200			70	290	
Service factor	[,,]	1.25	1.00			00	1.00	
emperature rise		80 K	80 K			00) K	80 K	
Locked rotor time		27s (cold) 15s (hot)					25s (cold) 14s (hot)	
locked fotor time		68.0 dB(A)	203 (0					
	25%	93.5		92.4	92	2.4	92.4	
Ff (:	50%	93.6	92.5		92	2.5	92.5	
Efficiency (%)	75%	94.1	92.9		92	2.9	92.9	
	100%	94.1	92.9			2.9	92.9	
	25%	0.48		0.48		44	0.42	
	50%	0.74		0.74	0.		0.68	
Power Factor	75%	0.82		0.83		80	0.79	
	100%	0.85		0.86		85	0.84	
Bearing type		Drive end Non dr	<u>ive end</u> 2 Z C3	Foundatior Max. tracti	n loads on	: 1709 lb		
Sealing Lubrication interv	val	Bearing Seal Bear	ithout ing Seal 000 h	Max. comp	pression	: 2529 lb		
Lubricant amoun	t	: 27 g 1	13 g					
Lubricant type		: Mobil Polyrex E	EM					
Notes USABLE @208V	128A SF 1.1	15 SFA 148A						
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. Holerance of +3dB(A). Set to changes after	hich				with sinusoidal ipulated in NEMA	
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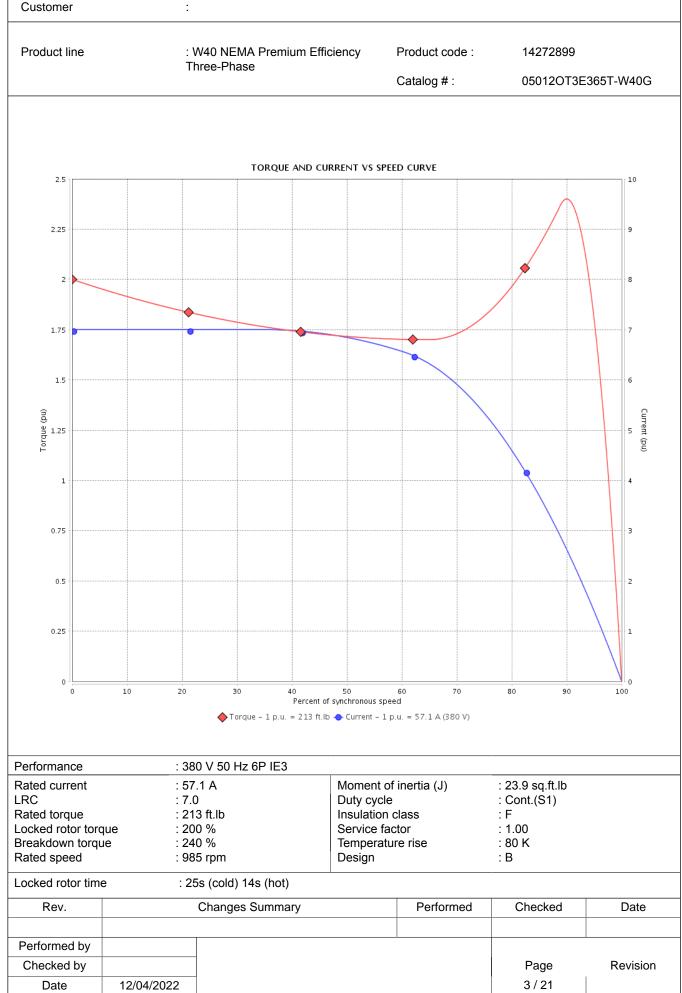


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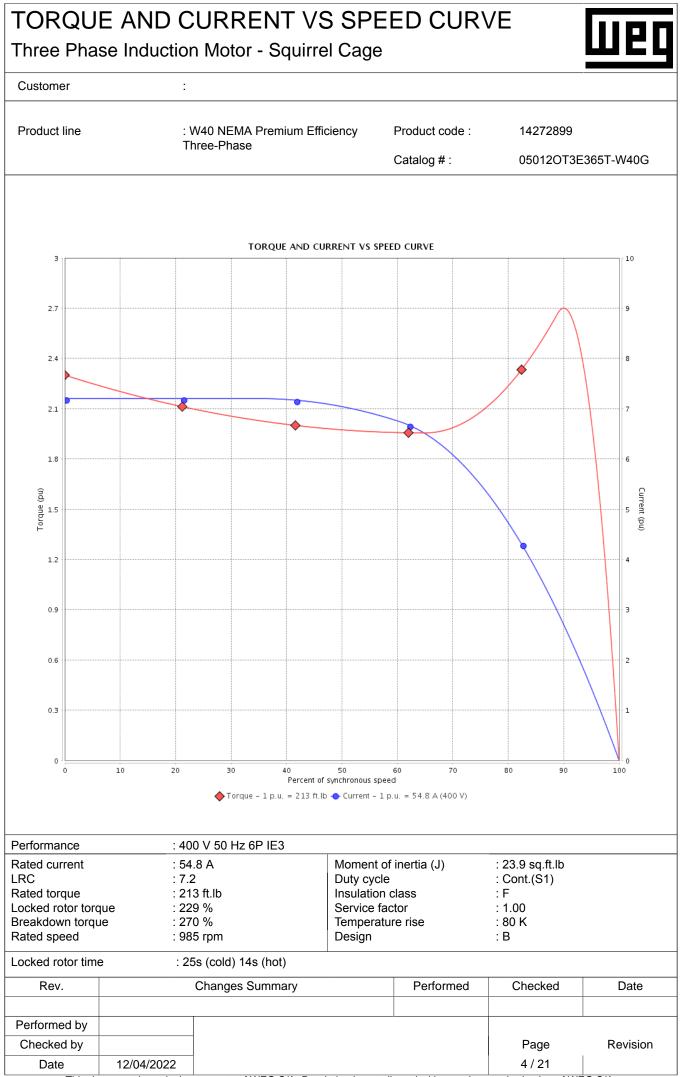
TORQUE AND CURRENT VS SPEED CURVE

Three Phase Induction Motor - Squirrel Cage

Customer



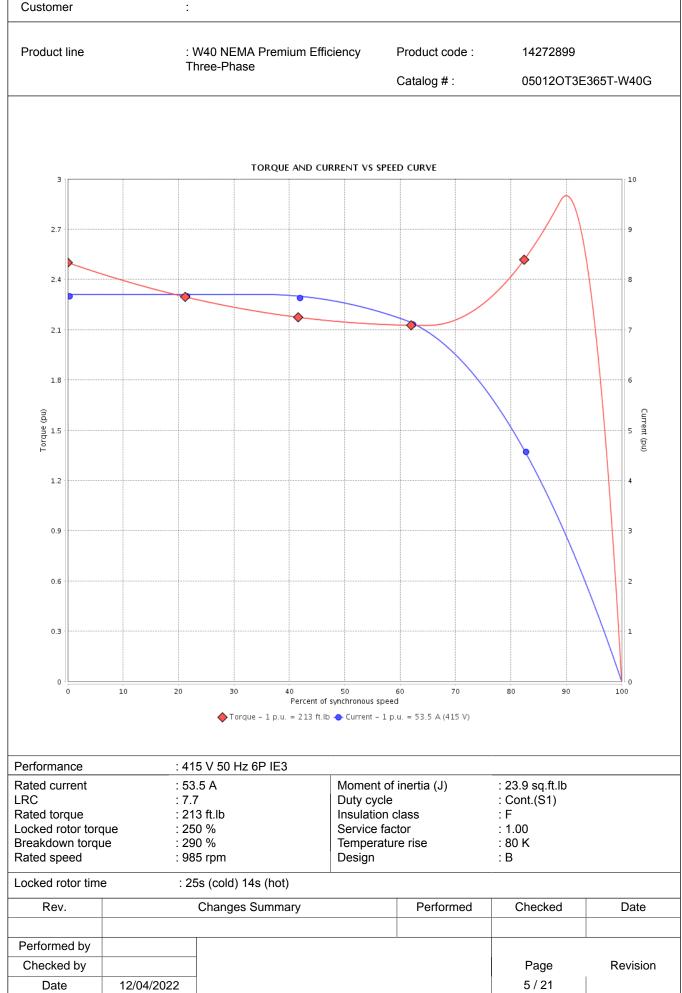
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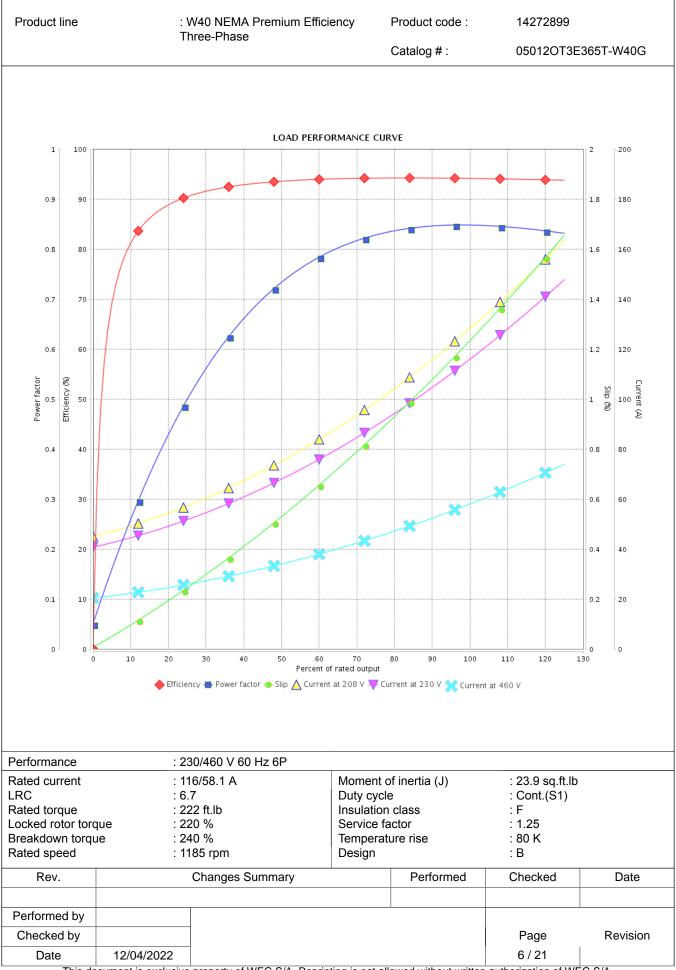
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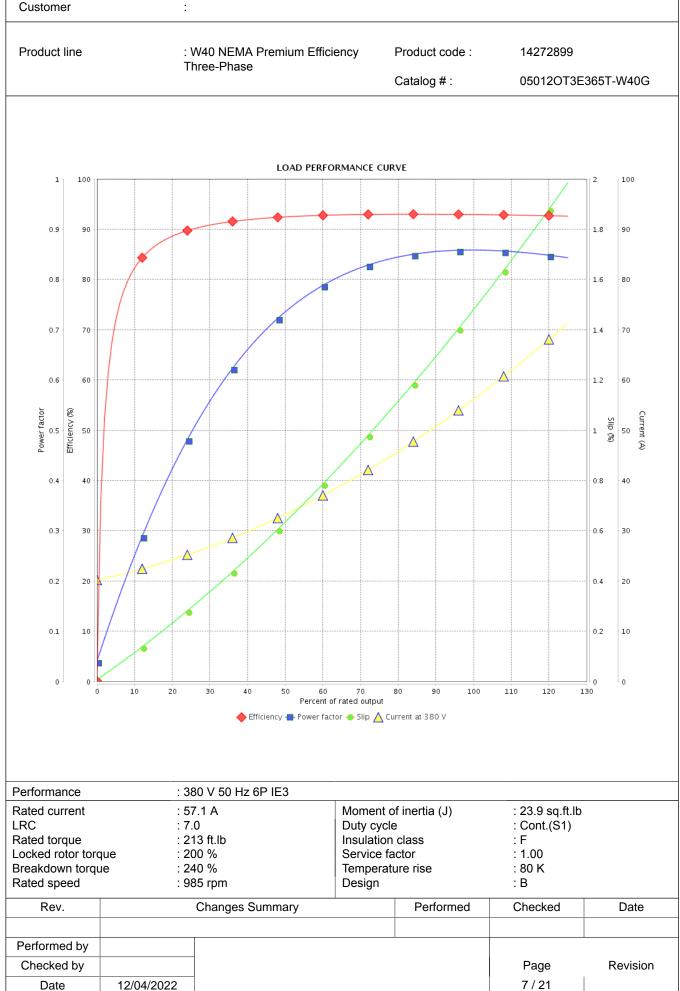


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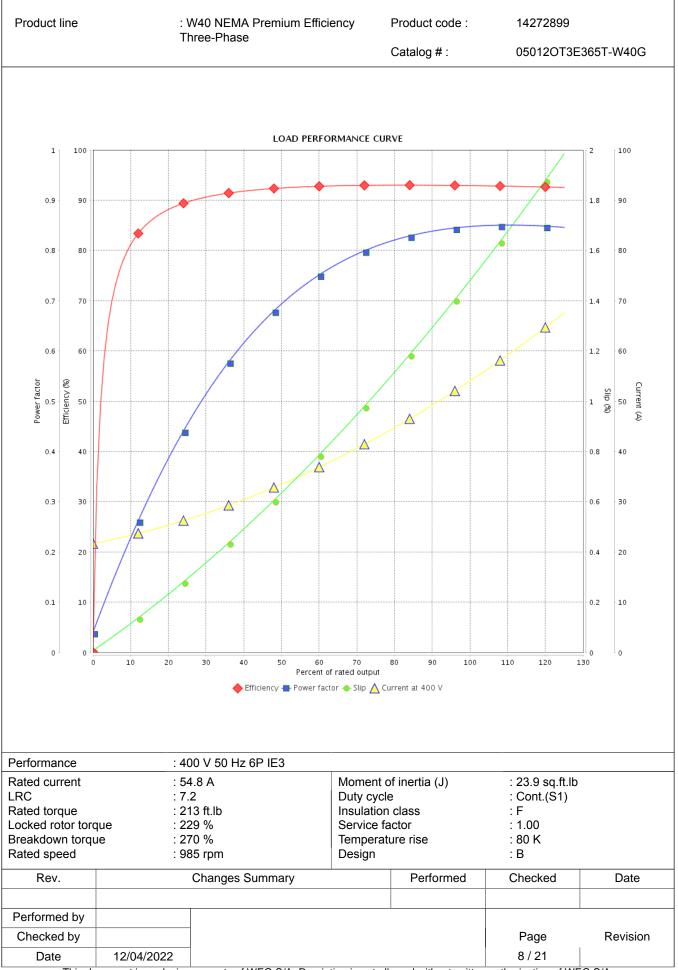
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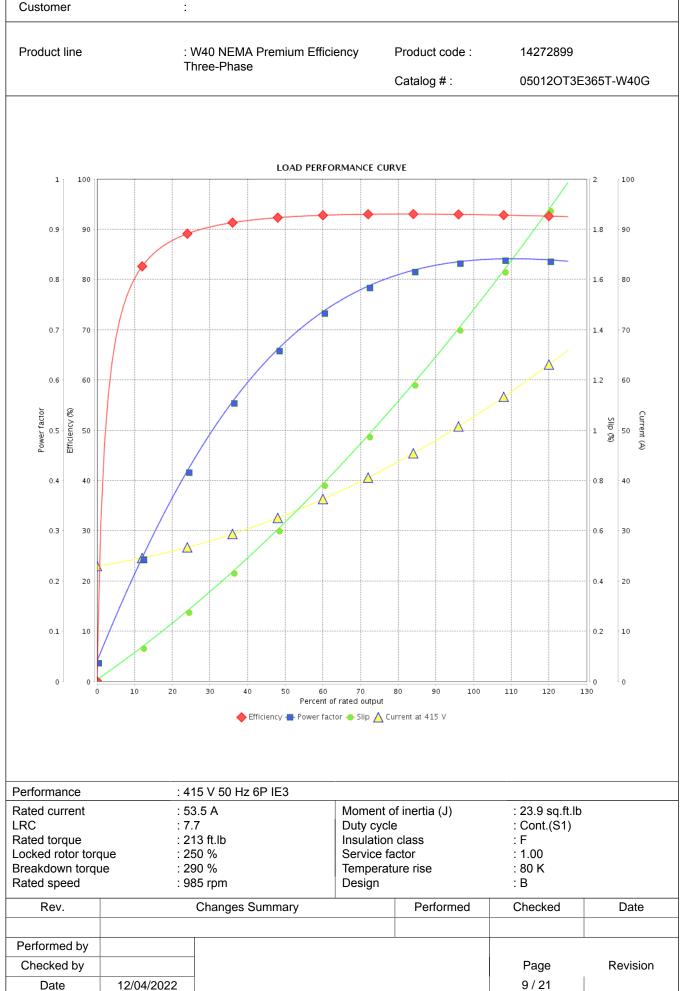


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THERMAL LIMIT CURVE

Three Phase Induction Motor - Squirrel Cage

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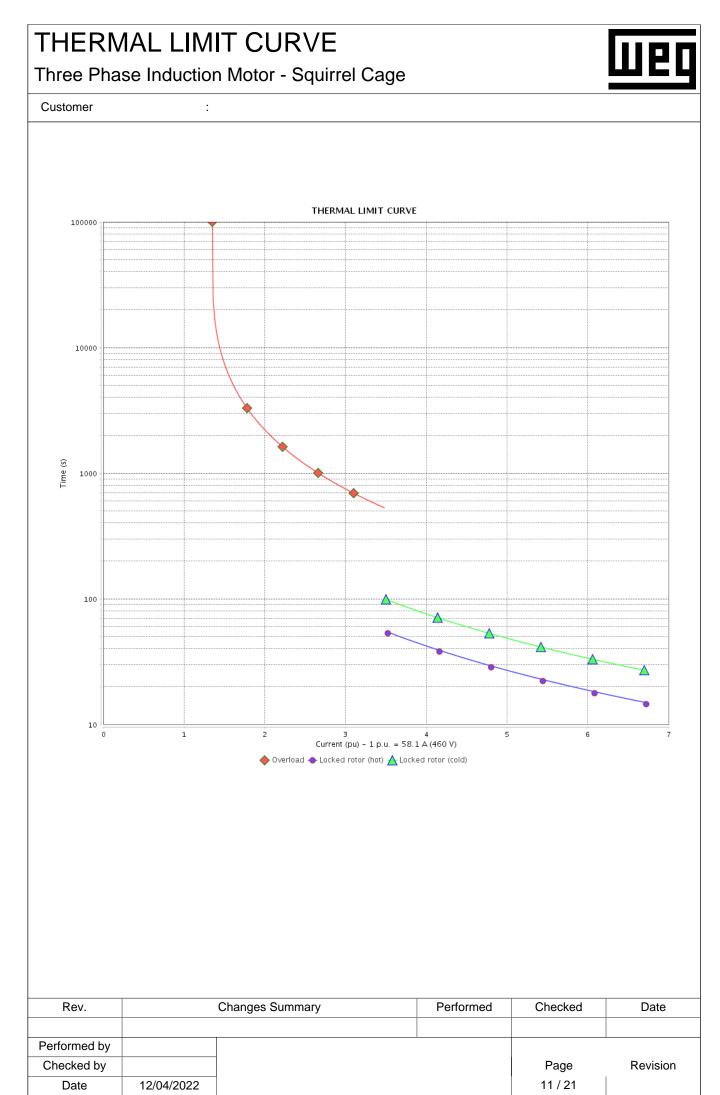


Customer

Product line		: W40 NEMA Premium Efficiency Three-Phase						
				Product code :	14272899			
	Į			Catalog # :	05012OT3E3	65T-W40G		
Performance		30/460 V 60 Hz 6P						
Rated current LRC Rated torque Locked rotor torq Breakdown torqu Rated speed	: 6 : 2 jue : 2 ie : 2	16/58.1 A .7 22 ft.lb 20 % 40 % 185 rpm	Moment o Duty cycle Insulation Service fa Temperatu Design	class ctor	: 23.9 sq.ft.lb : Cont.(S1) : F : 1.25 : 80 K : B			
Heating constant			-					
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THERMAL LIMIT CURVE

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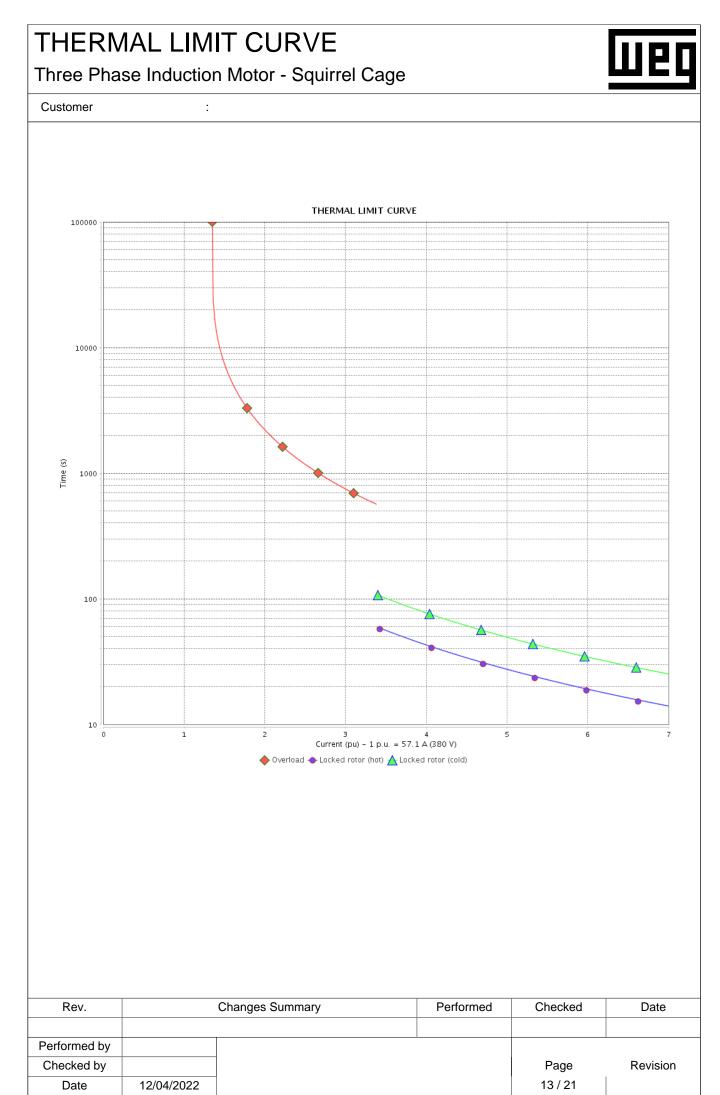
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Customer

Product line		: W40 NEMA Premium Efficiency Three-Phase		Product code :	14272899	14272899		
				Catalog # :	05012OT3E3	05012OT3E365T-W40G		
Performance		80 V 50 Hz 6P IE3						
Rated current _RC Rated torque Locked rotor toro Breakdown torqu Rated speed	: 7 : 2 que : 2 ue : 2	7.1 A .0 13 ft.lb 00 % 40 % 85 rpm	Moment o Duty cycle Insulation Service fa Temperatu Design	class ctor	: 23.9 sq.ft.lb : Cont.(S1) : F : 1.00 : 80 K : B			
Heating constant	t							
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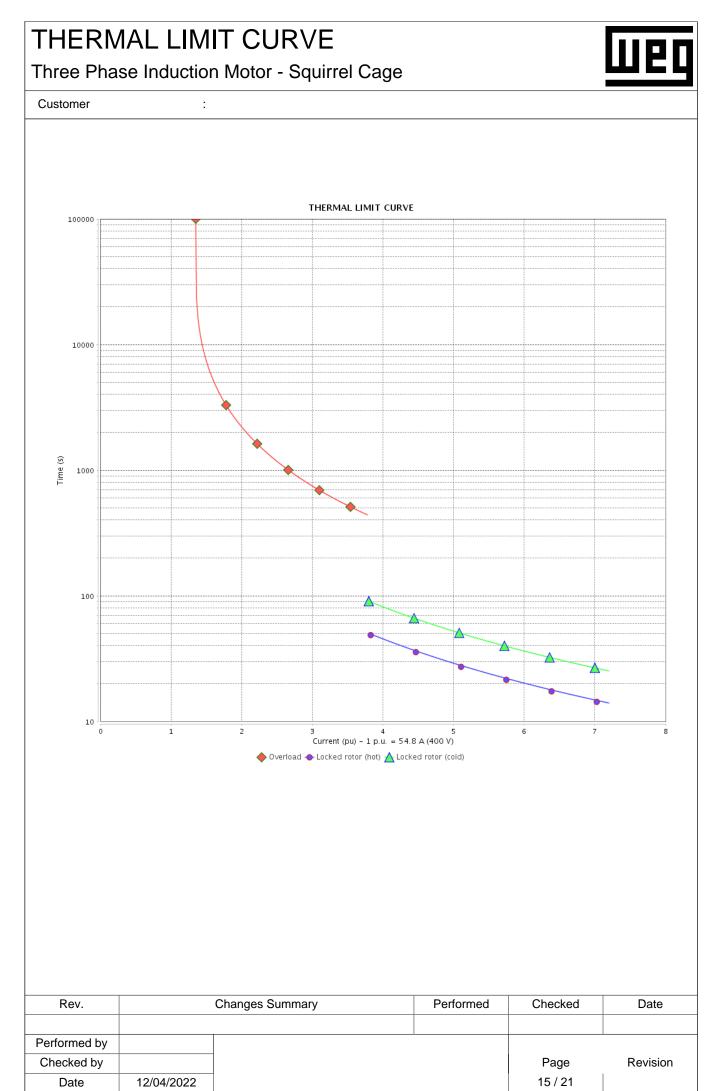


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Product line		W40 NEMA Premium Efficie hree-Phase	ency	Product code :	14272899		
		nree-Phase	Catalog # :		05012OT3E365T-W40G		
Performance	: 40	00 V 50 Hz 6P IE3					
Rated current LRC Rated torque Locked rotor toro Breakdown torqu Rated speed	: 7. : 2 ⁻ iue : 22 ie : 21	4.8 A .2 13 ft.lb 29 % 70 % 85 rpm	Moment o Duty cycle Insulation Service fa Temperatu Design	class ctor	: 23.9 sq.ft.lb : Cont.(S1) : F : 1.00 : 80 K : B		
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THERMAL LIMIT CURVE

Three Phase Induction Motor - Squirrel Cage

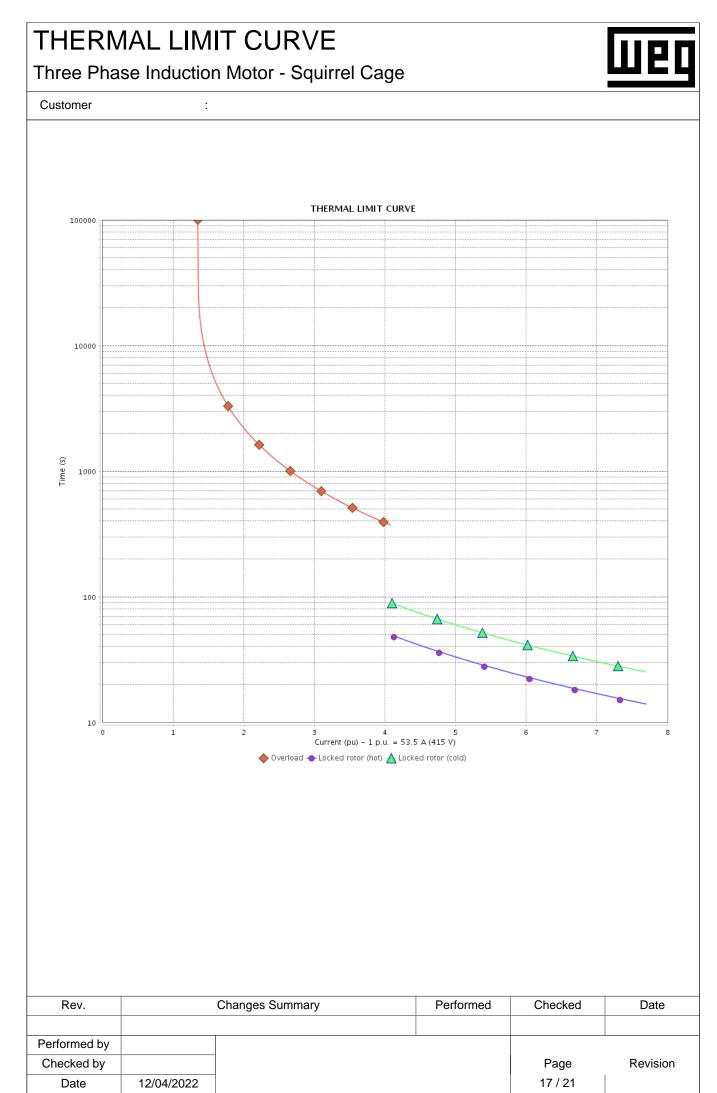
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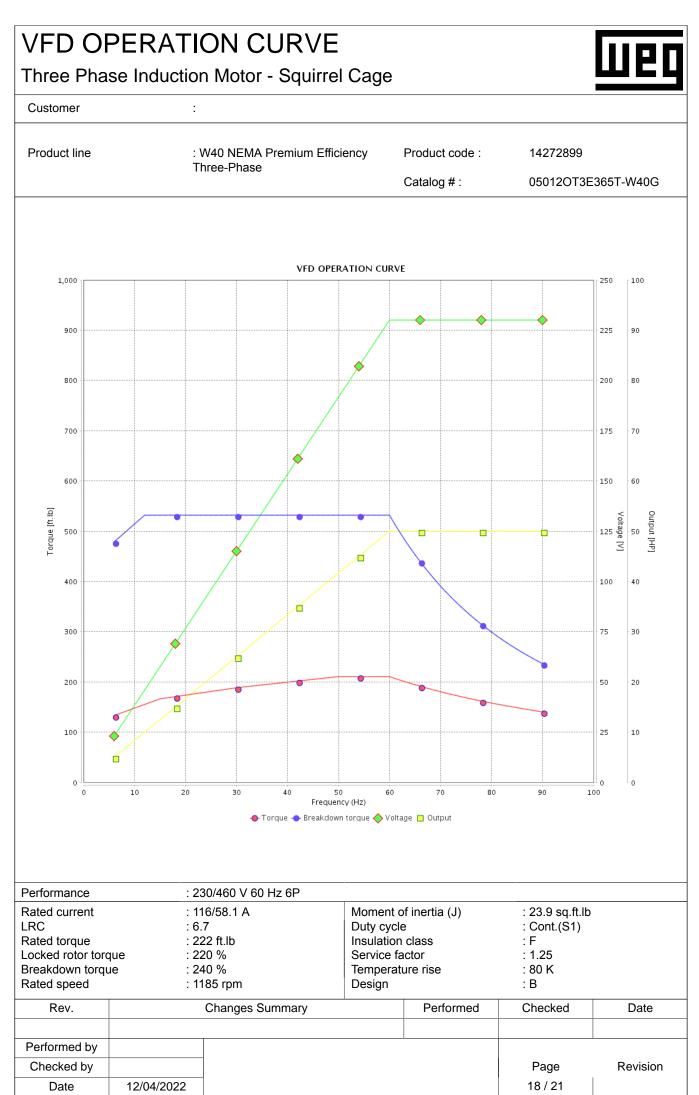


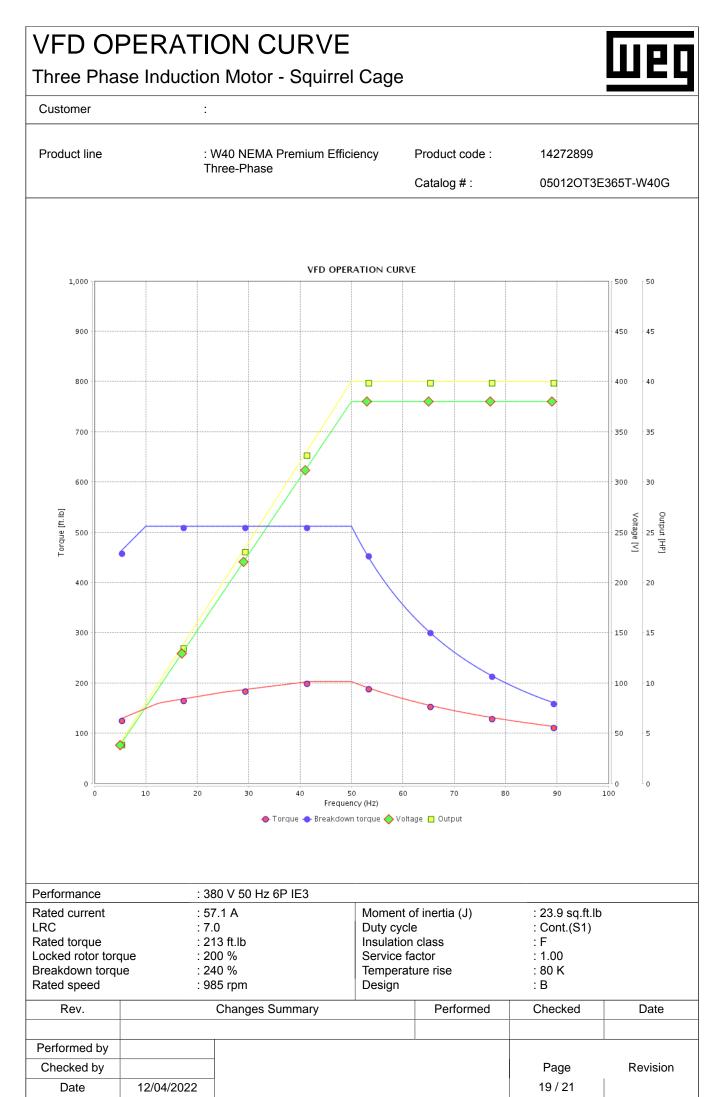
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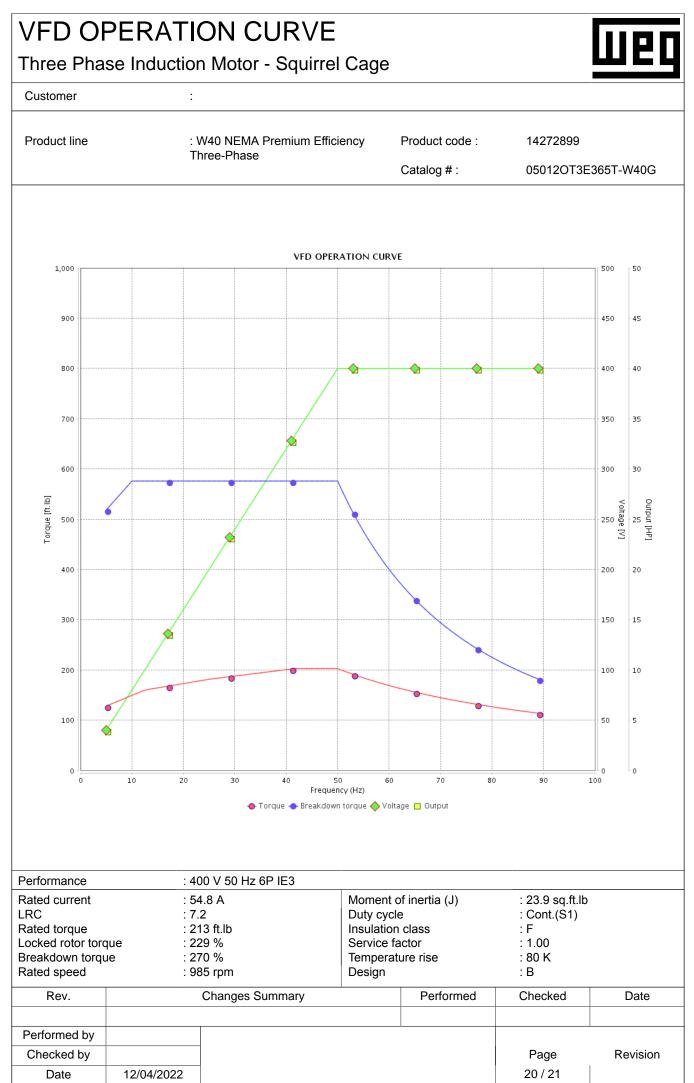
Product line		W40 NEMA Premium Efficie hree-Phase	ency l	Product code :	14272899	14272899	
	I		(Catalog # :	05012OT3E3	65T-W40G	
Performance Rated current		15 V 50 Hz 6P IE3 3.5 A	Momonto	f inertia (J)	: 23.9 sq.ft.lb		
LRC	: 7	.7	Duty cycle		: Cont.(S1)		
Rated torque		13 ft.lb 50 %	Insulation		: F : 1.00		
Locked rotor toro Breakdown torqu	ue :2	90 %	Service factor Temperature rise		: 80 K		
Rated speed		85 rpm	Design		: B		
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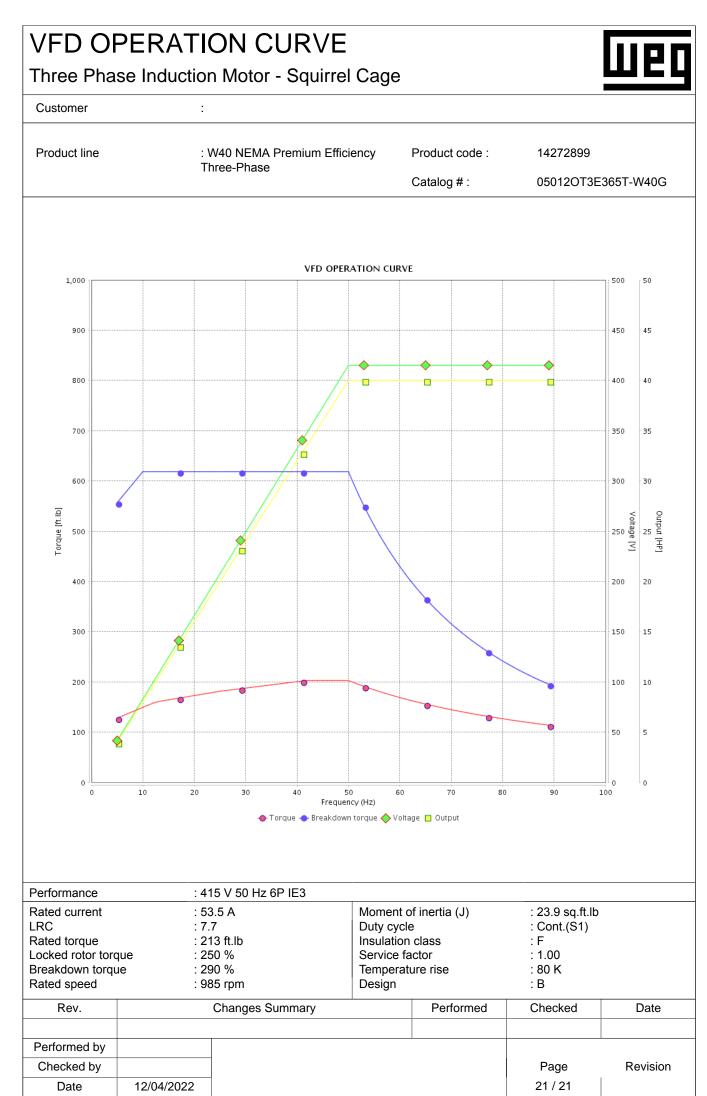
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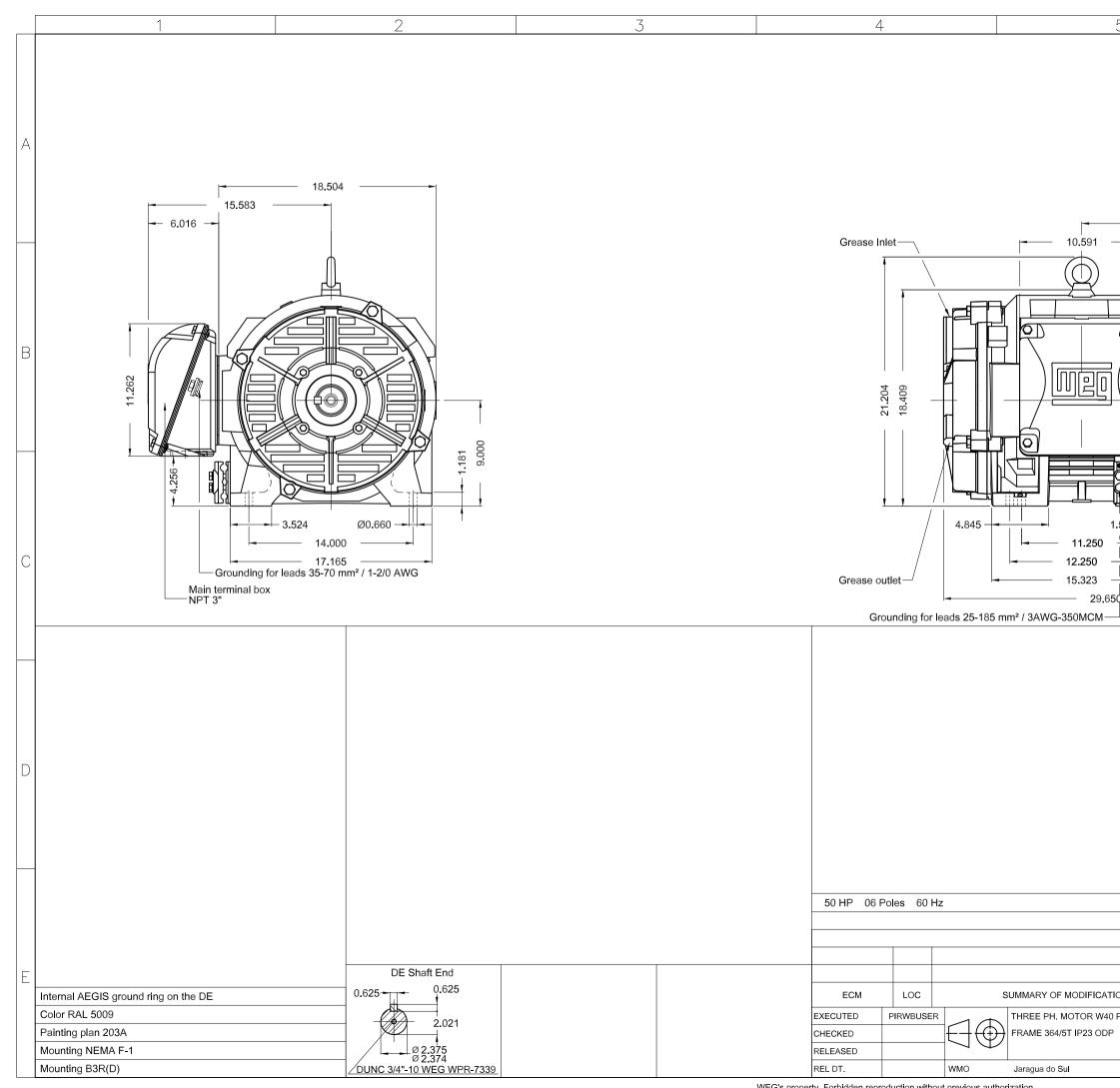












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