DATA SHEET

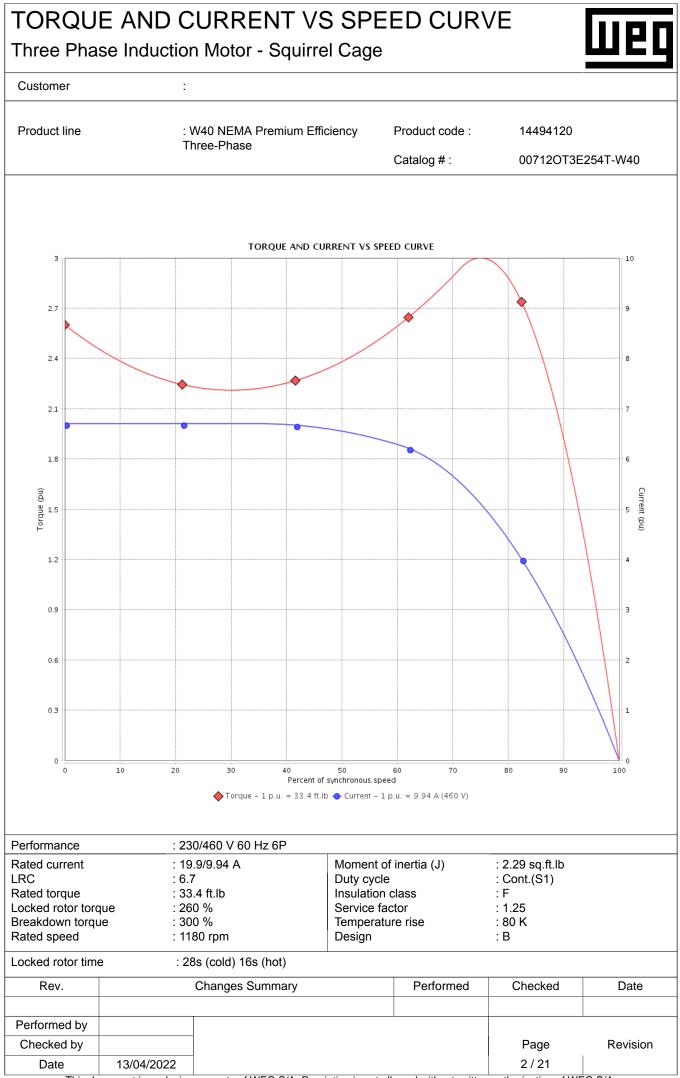
Three Phase Induction Motor - Squirrel Cage

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Customer

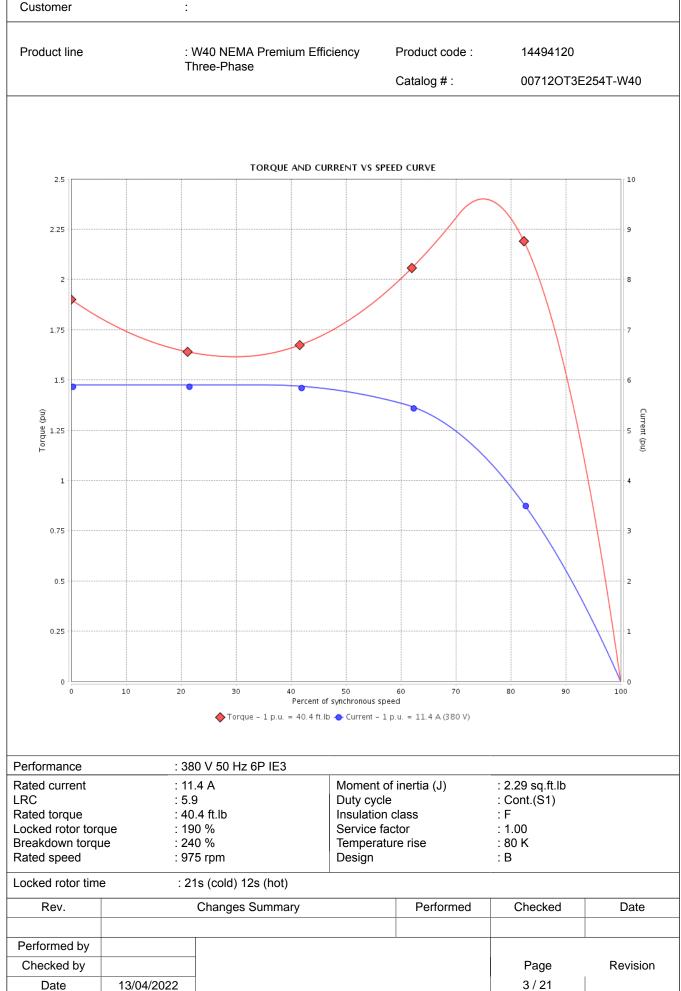
Product line		: W40 NEMA Premium Efficiency Three-Phase		ncy Pro	cy Product code :		14494120	
		Three-Phase		Cat	alog # :	007120	DT3E254T-W40	
Frame Insulation class Duty cycle Ambient tempera Altitude Protection degre Design		: 254T : F : Cont.(S1) : -20°C to +40°C : 1000 m.a.s.l. : IP23 : B		Cooling me Mounting Rotation ¹ Starting me Approx. wei Moment of i	thod ght ³		(CW and CCW) t On Line	
Output [HP]		7.5		7.5	7.5	5	7.5	
Poles		6		6	6		6	
Frequency [Hz]		60		50	50		50	
Rated voltage [V]		230/460		380	40		415	
Rated current [A]		19.9/9.94		11.4	11.	1	11.0	
. R. Amperes [A]		133/66.6		67.3	71.	0	74.8	
RC [A]		6.7x(Code H)	5.9	x(Code G)	6.4x(Co	ode H)	6.8x(Code J)	
No load current [A]	10.8/5.40		5.30	5.8	0	6.10	
Rated speed [RPN		1180		975	97		980	
Slip [%]		1.67		2.50	2.5		2.00	
Rated torque [ft.lb		33.4		40.4	40.	.4	40.2	
ocked rotor torqu		260		190	21		229	
Breakdown torque	e [%]	300		240	26	0	290	
Service factor		1.25		1.00	1.0		1.00	
Temperature rise		80 K		80 K	80		80 K	
_ocked rotor time		28s (cold) 16s (hot)	21s (c	cold) 12s (hot)	21s (cold)	12s (hot)	19s (cold) 11s (hot)	
Noise level ²		59.0 dB(A)						
	25%	86.6	87.4		87.		87.1	
Efficiency (%)	50%	87.5	87.6		87.		87.3	
	75%	89.5	88.0		88.		88.0	
	100%	90.2		88.0	88.		88.0	
	25%	0.34		0.40	0.3	6	0.33	
Power Factor	50%	0.58		0.65	0.6		0.58	
i ower i actor	75%	0.70		0.77	0.7		0.71	
	100%	0.77		0.83	0.8	1	0.79	
Bearing type Sealing		: 6309 Z C3 620	<u>ive end</u> 9 Z C3 ithout	Foundation I Max. traction Max. compre	۱			
Lubrication inter		: 20000 h 20	ing Seal 000 h 9 g					
Lubricant type		: Mobil Polyrex E						
Notes USABLE @208V	22.0A SF 1.	15 SFA 25.3A						
must be eliminate (1) Looking the m (2) Measured at 7	ed. notor from the 1m and with t weight subjec ocess.	ncel the previous one, when shaft end. Solerance of +3dB(A). Solet to changes after	hich				sts with sinusoidal stipulated in NEMA	
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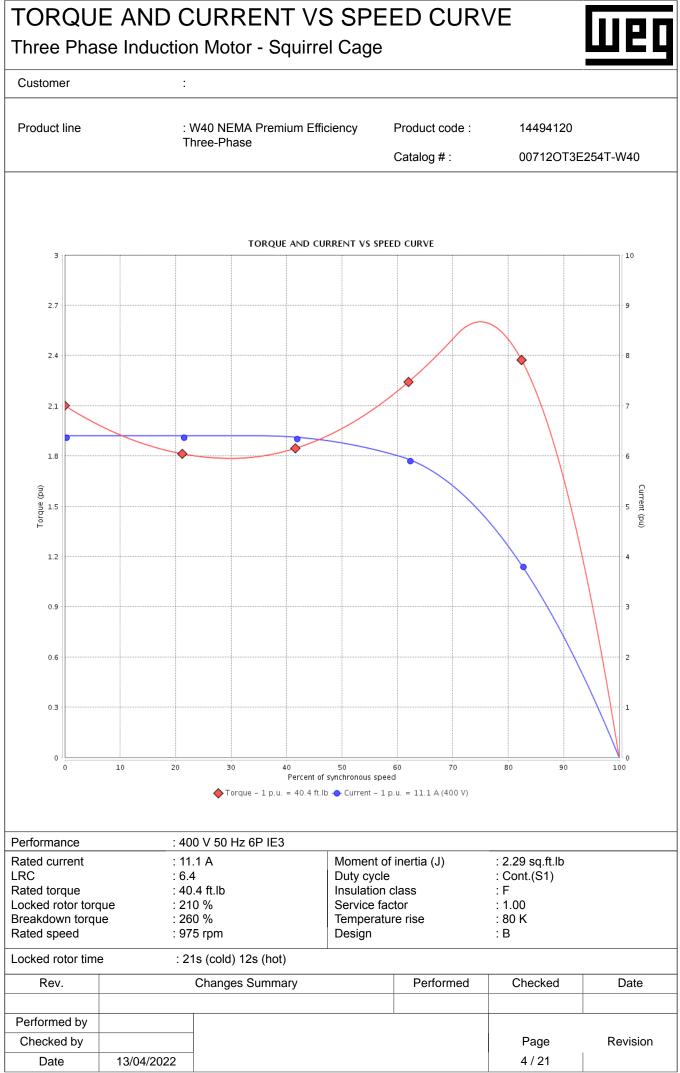
TORQUE AND CURRENT VS SPEED CURVE

Three Phase Induction Motor - Squirrel Cage

Customer



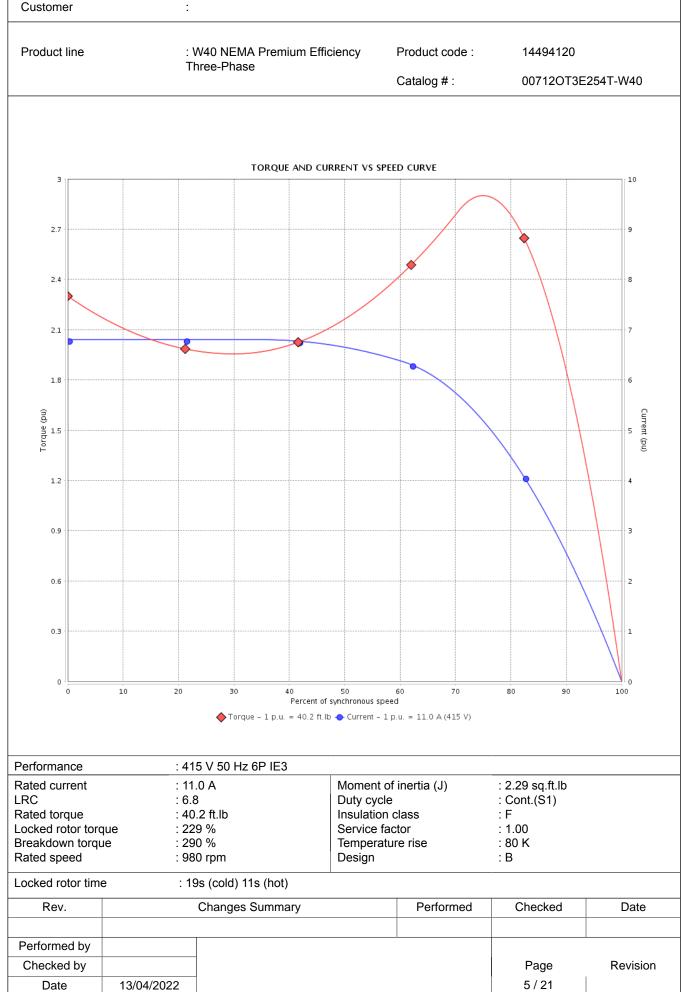
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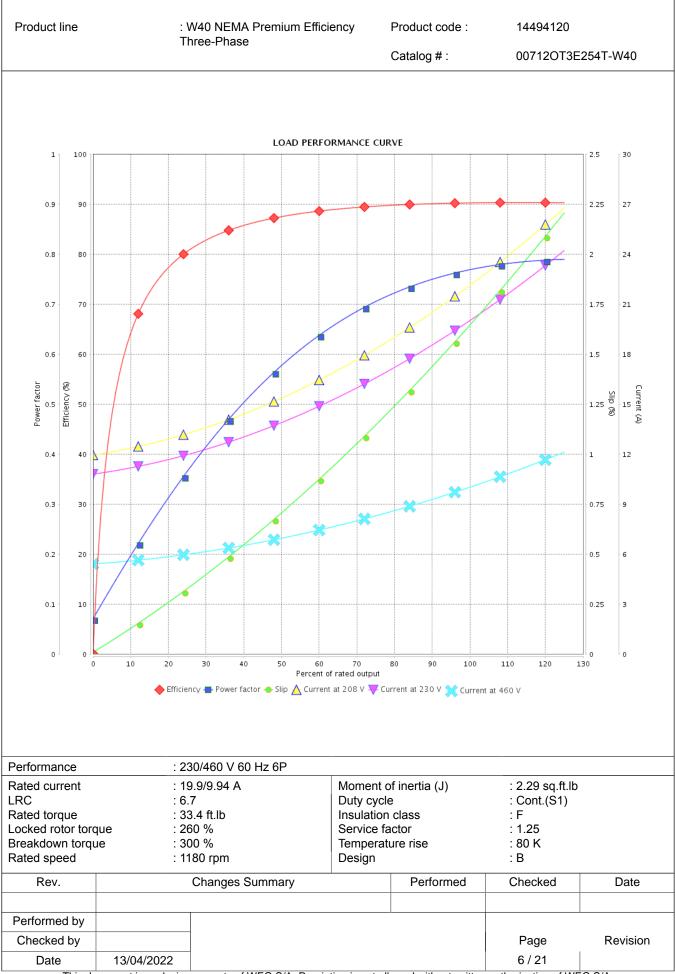
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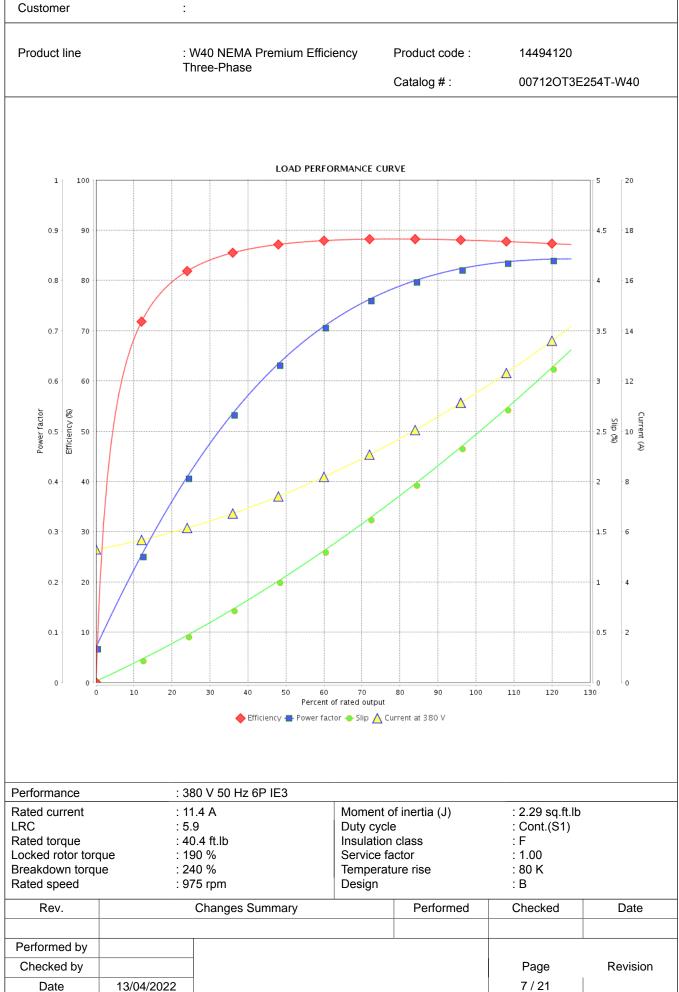


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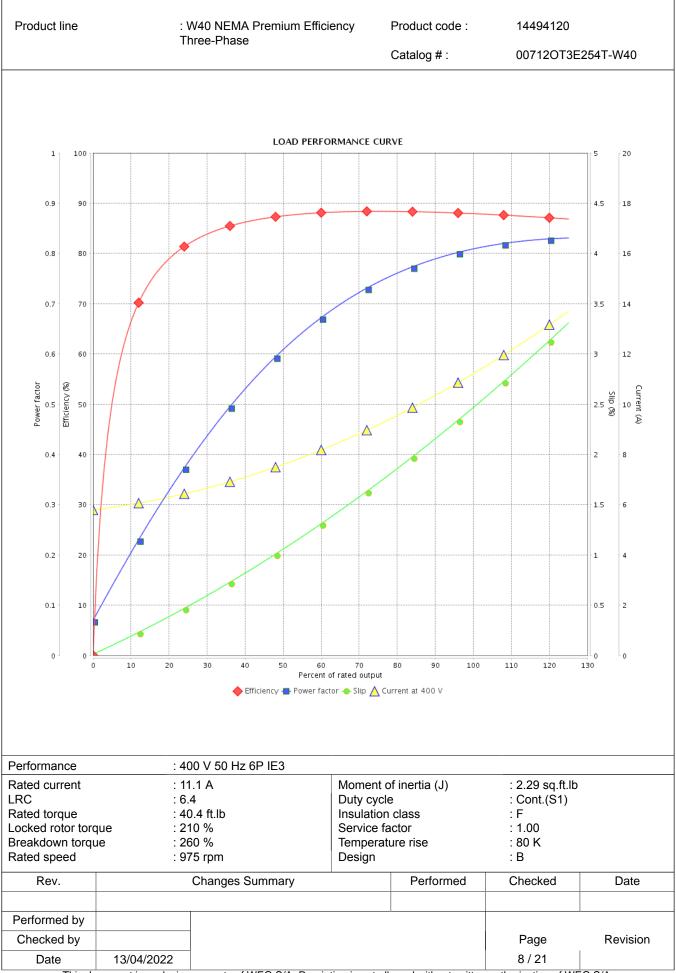
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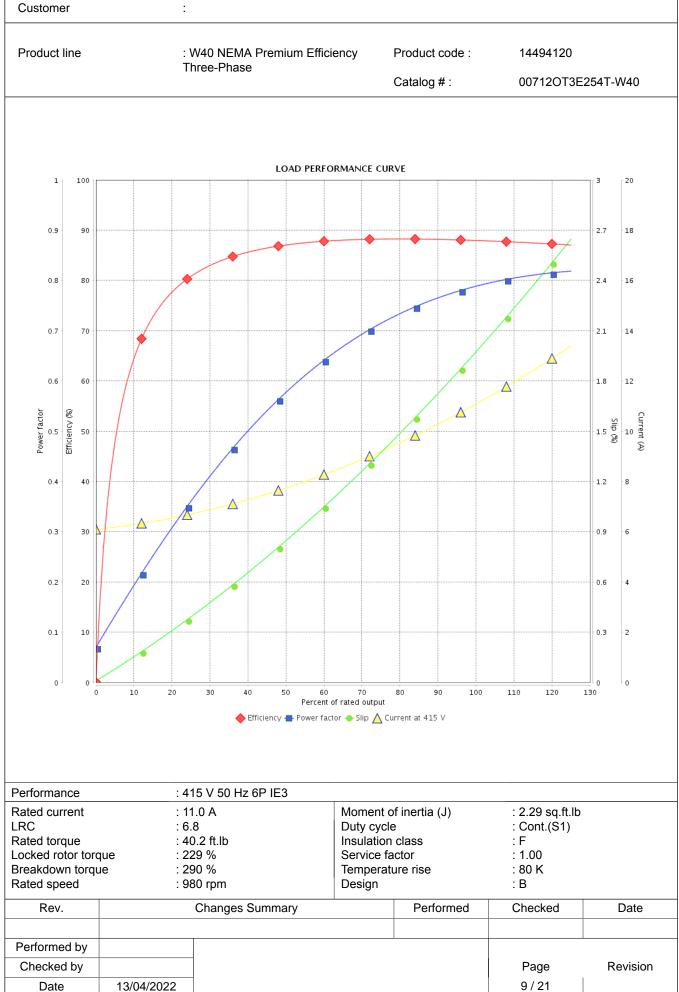


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THERMAL LIMIT CURVE

Three Phase Induction Motor - Squirrel Cage

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Date

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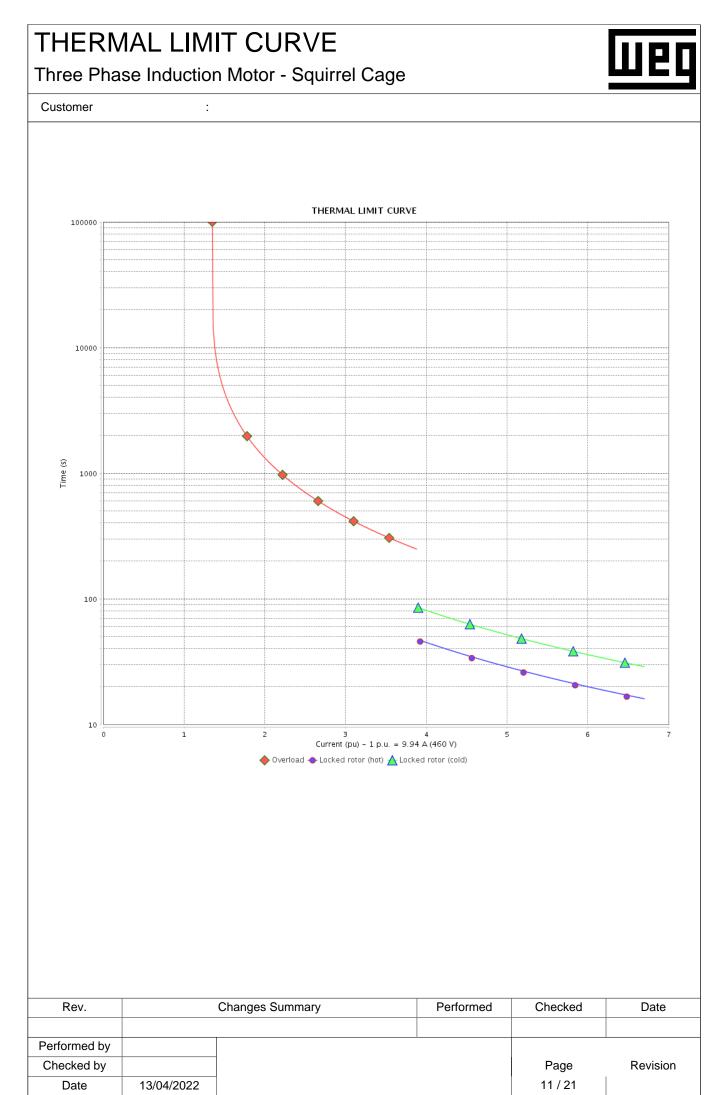
Product line : W40 NEMA Premium Efficier Three-Phase			Product code : Catalog # :	14494120 00712OT3E	254T-W40	
Rated current LRC Rated torque Locked rotor torque Breakdown torque		230/460 V 60 Hz 6P 9.9/9.94 A 5.7 53.4 ft.lb 260 % 200 %	Duty cycle Insulation Service fa Temperate	class ctor	: 2.29 sq.ft.lb : Cont.(S1) : F : 1.25 : 80 K	
Rated speed Heating constant Cooling constant		180 rpm	Design	Destaura	: B	
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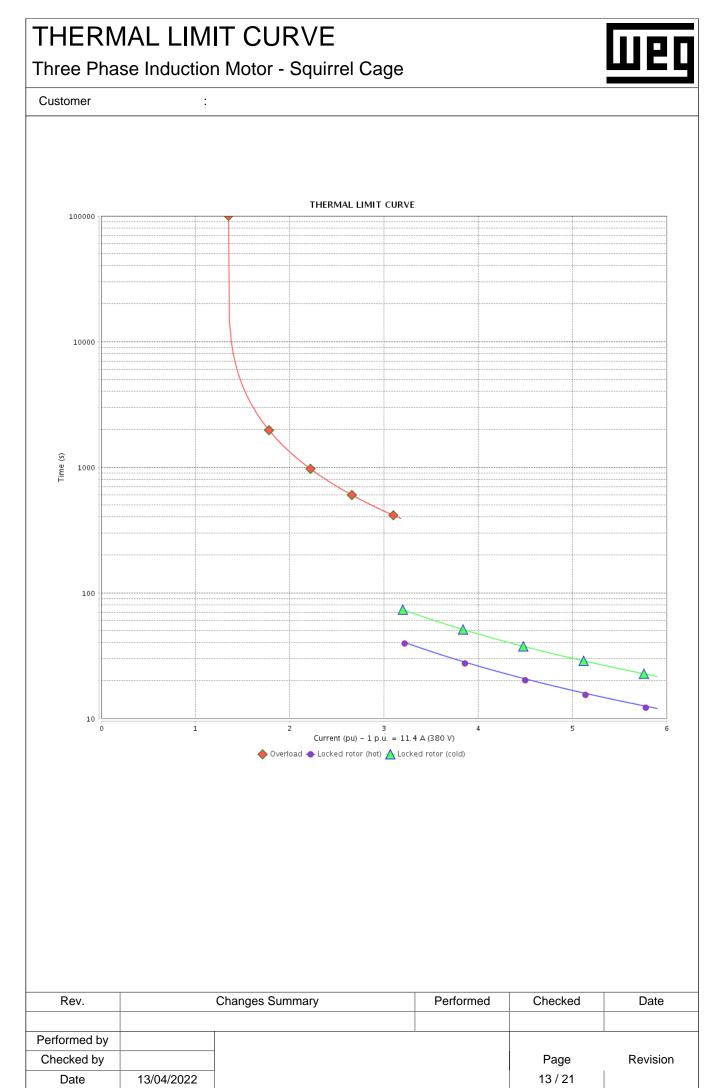
Product line		: W40 NEMA Premium Efficiency Three-Phase		Product code :	14494120	14494120 00712OT3E254T-W40		
				Catalog # :				
Performance		80 V 50 Hz 6P IE3 1.4 A	Mamonta	finantia (1)	· 2 20 og ft lb			
Rated current LRC	: 5.	.9	Duty cycle	f inertia (J) e	: 2.29 sq.ft.lb : Cont.(S1)			
Rated torque Locked rotor torq		0.4 ft.lb 90 %	Insulation class Service factor		: F : 1.00			
Breakdown torqu	e : 24	40 %	Temperature rise		: 80 K			
Rated speed		75 rpm	Design		: B			
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Cooling constant Rev.		Changes Summary		Performed	Checked	Date		
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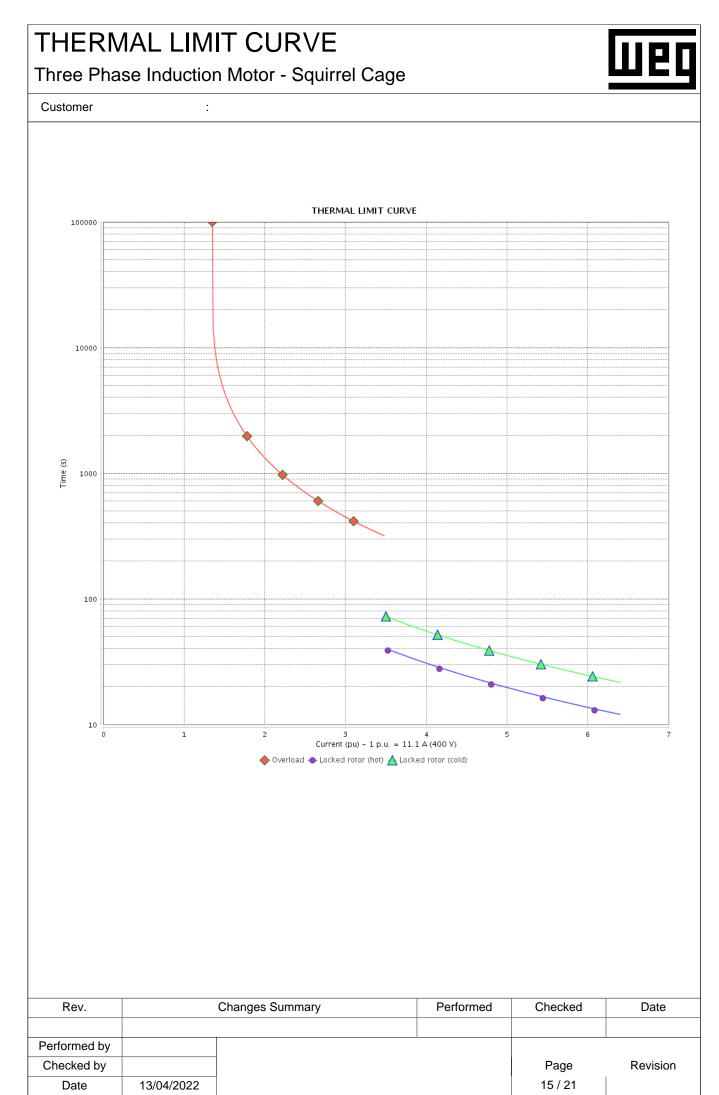
Product line		: W40 NEMA Premium Efficiency Three-Phase				
				Product code :	14494120	
				Catalog # :	00712OT3E2	54T-W40
Performance		00 V 50 Hz 6P IE3				
Rated current LRC	: 1 : 6	1.1 A .4	Moment o Duty cycle	f inertia (J)	: 2.29 sq.ft.lb : Cont.(S1)	
Rated torque	: 4	0.4 ft.lb	Insulation class		: F	
Locked rotor toro Breakdown torqu		10 % 60 %	Service fa Temperatu		: 1.00 : 80 K	
Rated speed : 975 rpm			Design		: B	
Heating constan	t					
Cooling constant	t					
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THERMAL LIMIT CURVE

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Product line		: W40 NEMA Premium Efficiency Three-Phase		Product code :	14494120		
						00712OT3E254T-W40	
				Catalog # :	00712013E2	541-7740	
Performance	· 4	15 V 50 Hz 6P IE3					
Rated current		1.0 A	Moment o	f inertia (J)	: 2.29 sq.ft.lb		
LRC Rated torque		: 6.8 Duty cy		9	: Cont.(S1) : F		
Locked rotor tore	jue : 2	29 %	Insulation Service fa	ctor	: 1.00		
Breakdown torqu Rated speed		90 % 80 rpm	Temperatu Design	ure rise	: 80 K : B		
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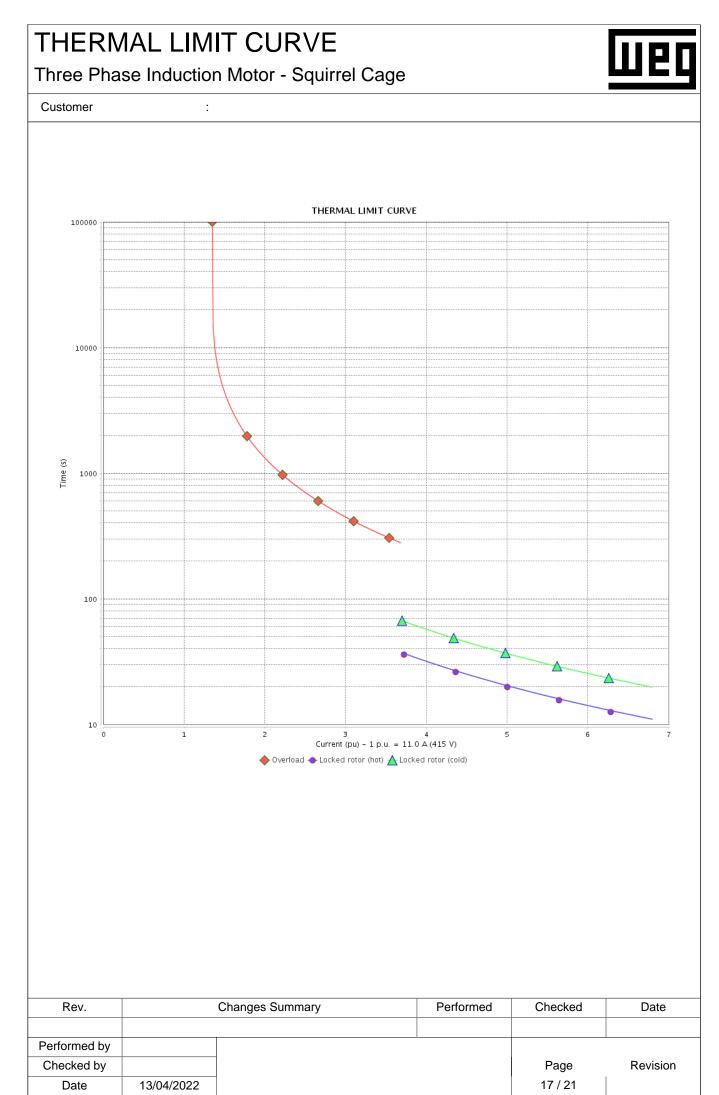
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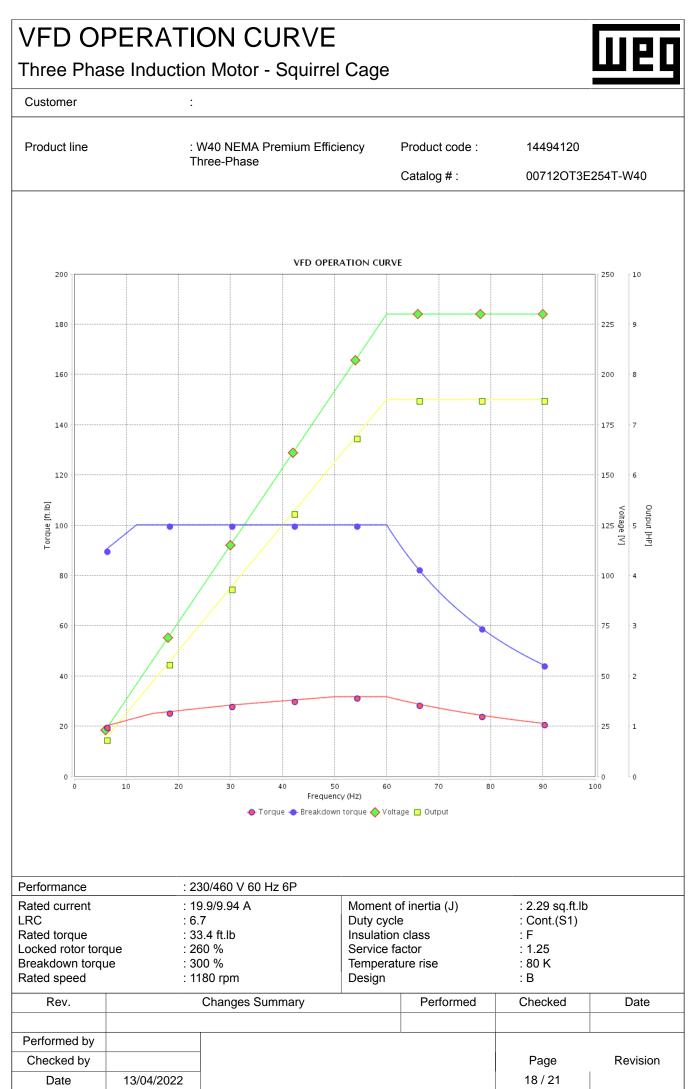
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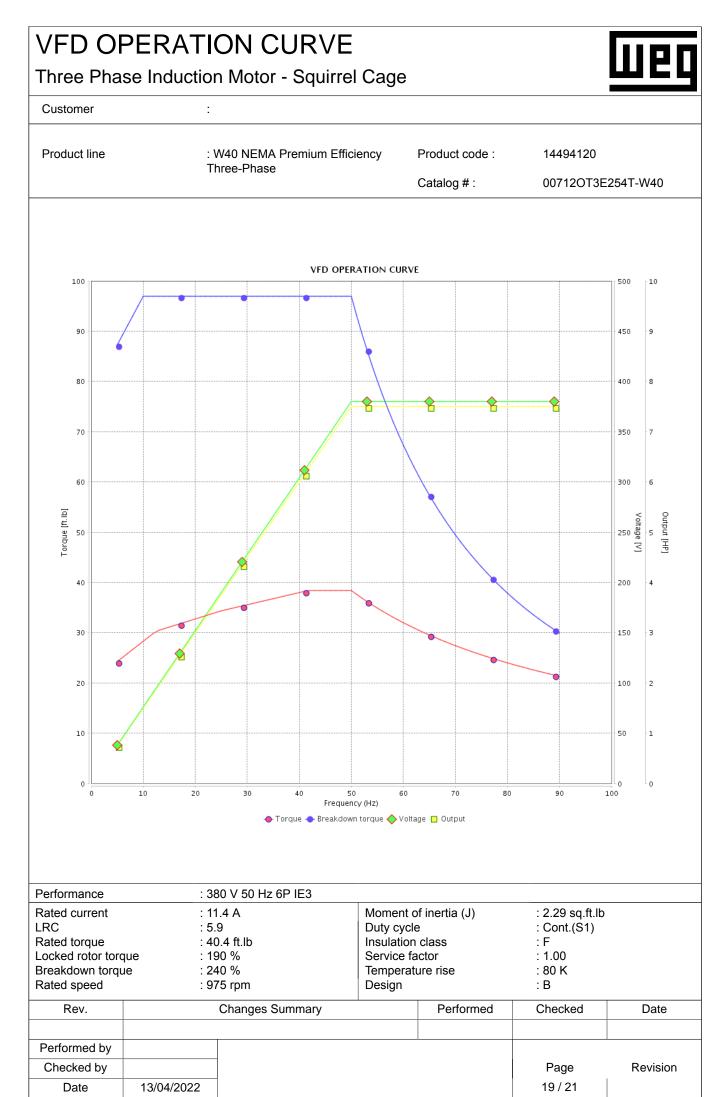
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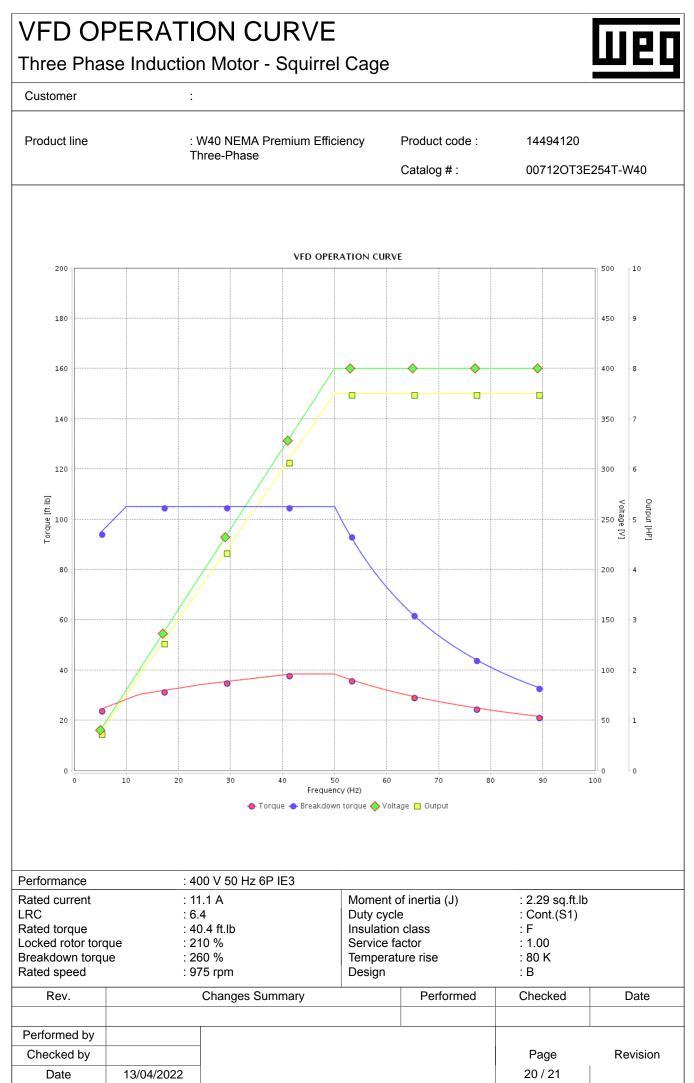
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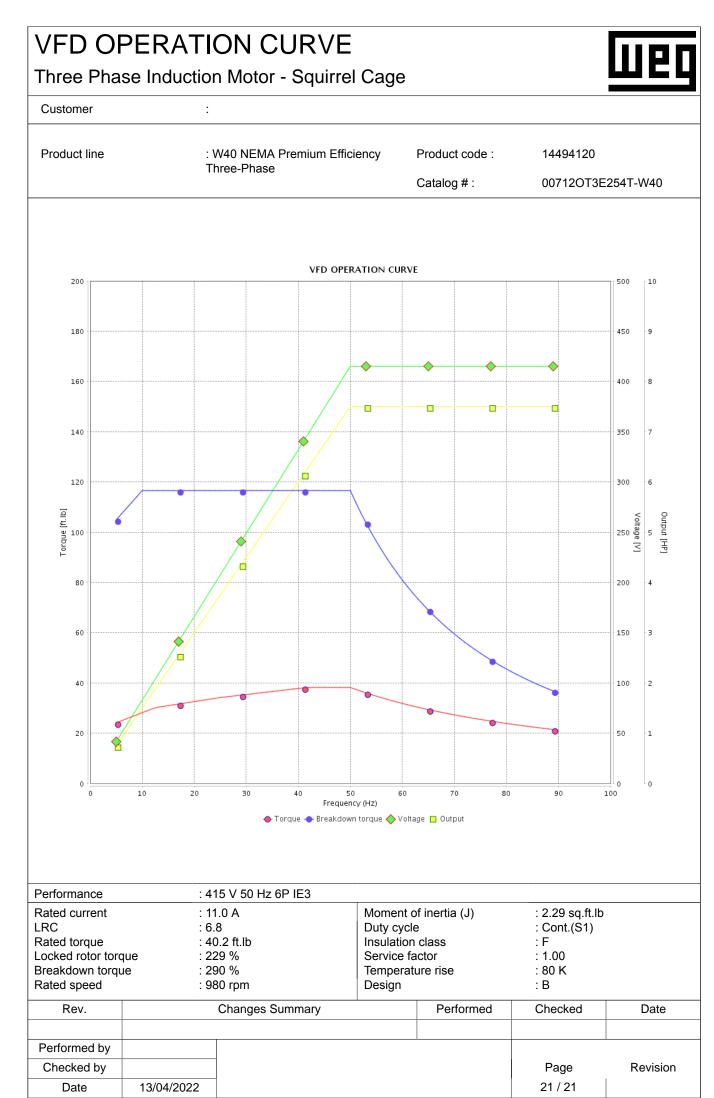
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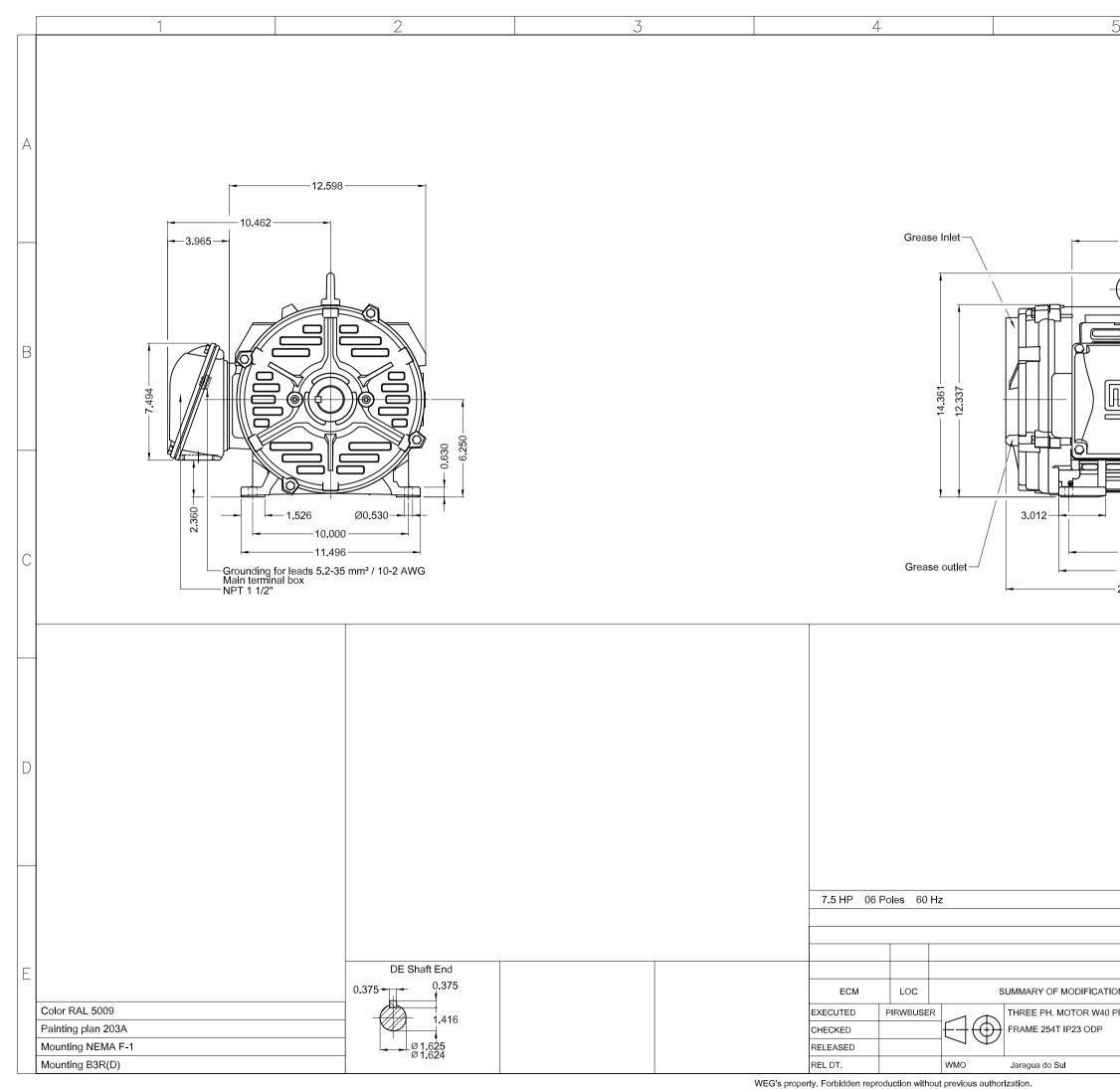












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