DATA SHEET

Three Phase Induction Motor - Squirrel Cage

:



Customer

Product line		: NEMA Premium Efficiency Three- Phase		hree- Prode	e- Product code :		14325313	
		- Hube		Catal	log # :	00718XT3E213T		
Frame Insulation class Duty cycle Ambient temperature Altitude Protection degree Design		: 213/5T : F : Cont.(S1) : -20°C to +40°C : 1000 m.a.s.l. : IP55 : B		Cooling method Mounting Rotation ¹ Starting method Approx. weight ³ Moment of inertia (J)		: IC411 - TEFC : F-1 : Both (CW and CCW) : Direct On Line : 208 lb : 1.38 sq.ft.lb		
Output [HP]		7.5		7.5	7.5	5	7.5	
Poles		4	1	4	4	-	4	
Frequency [Hz]		60		50	50)	50	
Rated voltage [V]		230/460		380	40	0	415	
Rated current [A]		18.8/9.41		11.2	10.	7	10.6	
. R. Amperes [A]		126/63.0		61.6	68.	5	72.1	
_RC [A]		6.7x(Code H)	5.5	5x(Code F)	6.4x(Cc	de H)	6.8x(Code H)	
No load current [A		8.00/4.00		4.10	4.4	0	4.60	
Rated speed [RPN		1765		1460	146	60	1465	
Slip [%]		1.94		2.67	2.6	7	2.33	
Rated torque [ft.lb]	22.3		27.0	27.	0	26.9	
Locked rotor torqu		240		170	18	0	210	
Breakdown torque		280		200	28	0	270	
Service factor	<u> </u>	1.15	1.00		1.0		1.00	
Temperature rise		80 K	80 K		80	K	80 K	
_ocked rotor time		21s (cold) 12s (hot)	21s (cold) 12s (ho		21s (cold)		21s (cold) 12s (hot)	
Noise level ²		58.0 dB(A)		6.0 dB(A)	56.0 d		56.0 dB(A)	
	25%	89.4	88.2		87.		87.7	
Efficiency (0/)	50%	90.2		88.5	88.	5	88.5	
Efficiency (%)	75%	91.0	1	89.5	89.	5	89.5	
	100%	91.7		89.5	90.		90.2	
	25%	0.38		0.43	0.4		0.38	
Dower Frater	50%	0.60		0.66	0.6	3	0.61	
Power Factor	75%	0.73		0.77	0.7	5	0.73	
	100%	0.80		0.83	0.8	2	0.80	
Bearing type Sealing Lubrication inter- Lubricant amoun Lubricant type			-	Max. traction : 305 lb				
Euclident type								
Notes USABLE @208V	20.8A SF 1.	15 SFA 23.9A						
Notes USABLE @208V This revision repl must be eliminate (1) Looking the m (2) Measured at 1	aces and car ed. totor from the 1m and with t weight subject ocess.	icel the previous one, w					sts with sinusoidal stipulated in NEMA	
Notes USABLE @208V This revision repla must be eliminate (1) Looking the m (2) Measured at 1 (3) Approximate v manufacturing pro	aces and car ed. totor from the 1m and with t weight subject ocess.	icel the previous one, wi shaft end. olerance of +3dB(A).	hich	power supply, MG-1.			stipulated in NEMA	
Notes USABLE @208V This revision repla must be eliminate (1) Looking the m (2) Measured at 1 (3) Approximate v manufacturing pro (4) At 100% of ful Rev.	aces and car ed. totor from the 1m and with t weight subject ocess.	icel the previous one, wi shaft end. olerance of +3dB(A). t to changes after	hich	power supply, MG-1.	subject to the	e tolerances	stipulated in NEMA	
Notes USABLE @208V This revision repla must be eliminate (1) Looking the m (2) Measured at 1 (3) Approximate v manufacturing pro (4) At 100% of ful Rev. Performed by	aces and car ed. totor from the 1m and with t weight subject ocess.	icel the previous one, wi shaft end. olerance of +3dB(A). t to changes after	hich	power supply, MG-1.	subject to the	e tolerances Checked	stipulated in NEMA	
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Customer

ID	Application	Туре	Quantity	Sensing 1	Femperature
1	Winding	Thermostat - 2 wires	1 x Phase		55 °C
1	winding	memostat - 2 wires	I X FIIdSe		55 C
Pov	Char		Performed	Checked	Dete
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TORQUE AND CURRENT VS SPEED CURVE

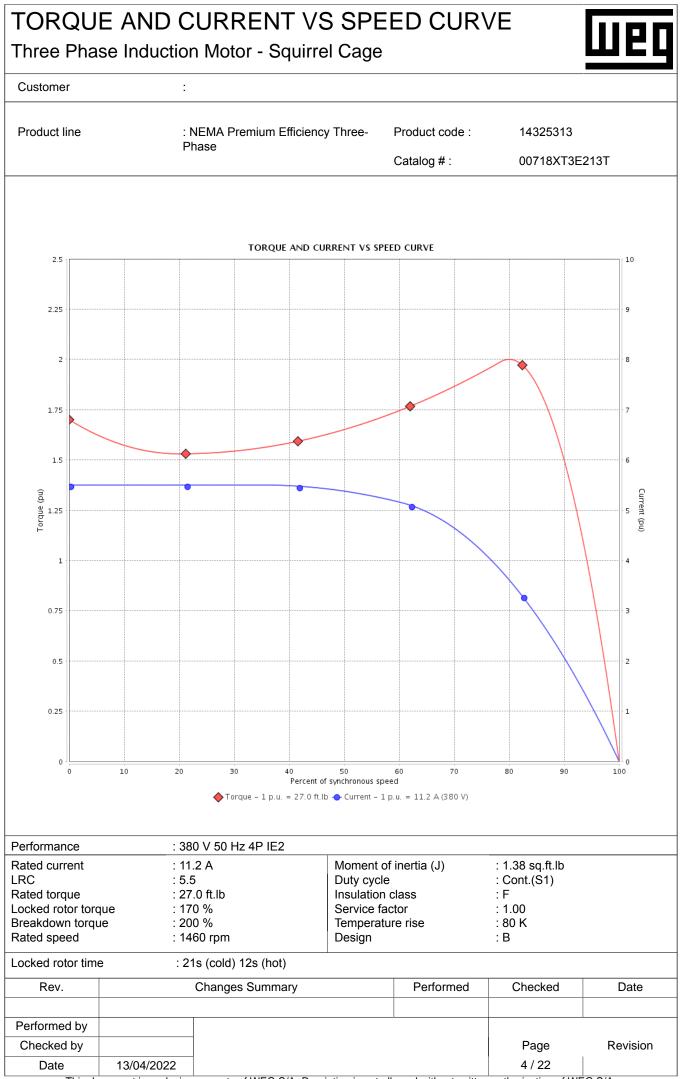
Three Phase Induction Motor - Squirrel Cage

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Customer

Product line		: NEMA Premium Efficiency Three-		Product code :	14325313	
		Phase		Catalog # :	00718XT3E2	213T
		TORQUE AND CUR	RENT VS SPEI	ED CURVE		
3						10
					\	
2.7						9
2.4 -						8
2.1						7
		• •	+			
1.8 -						6
(nd)						Curre
(nd) an 1.5 Duor						5 Current (pu)
1.2						4
0.9						3
0.6						2
						\setminus
0.3						1
0						
0	10 20	Percent of sy	nchronous spee		80 90	100
		◆ Torque - 1 p.u. = 22.3 ft.lb	🗨 Current – 1 p	.u. = 9.41 A (460 V)		
erformance	:2	230/460 V 60 Hz 4P				
ated current RC			Moment of Duty cycle		: 1.38 sq.ft.lb : Cont.(S1)	
ated torque ocked rotor torq	:2	22.3 ft.lb	Insulation of Service fac	class	: F : 1.15	
reakdown torqu	e :2	280 %	Temperatu Design		: 80 K : B	
ocked rotor time		21s (cold) 12s (hot)				
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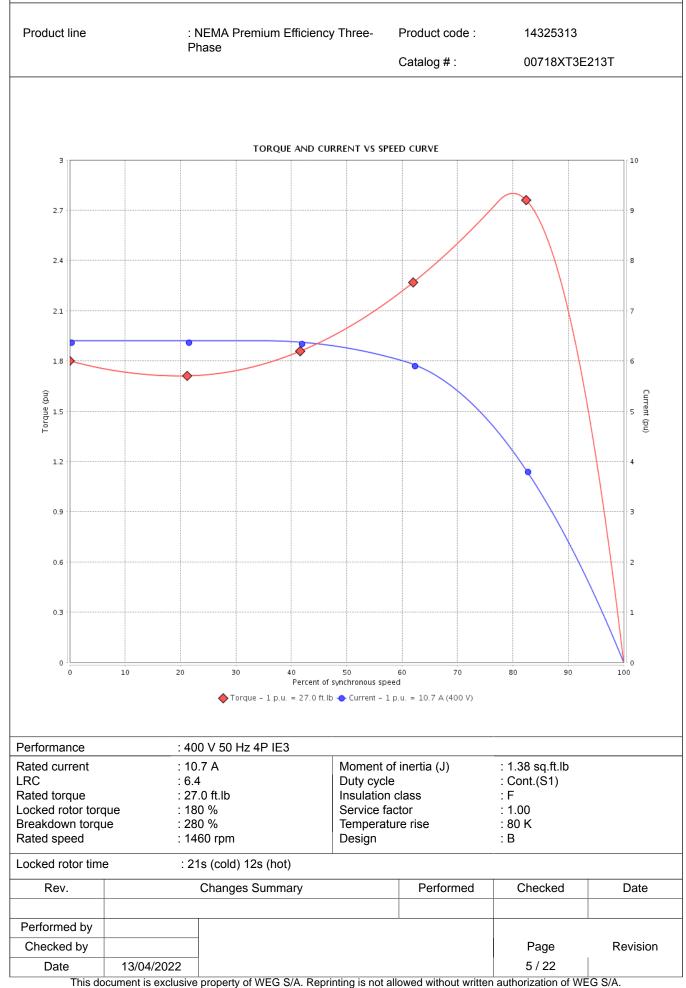
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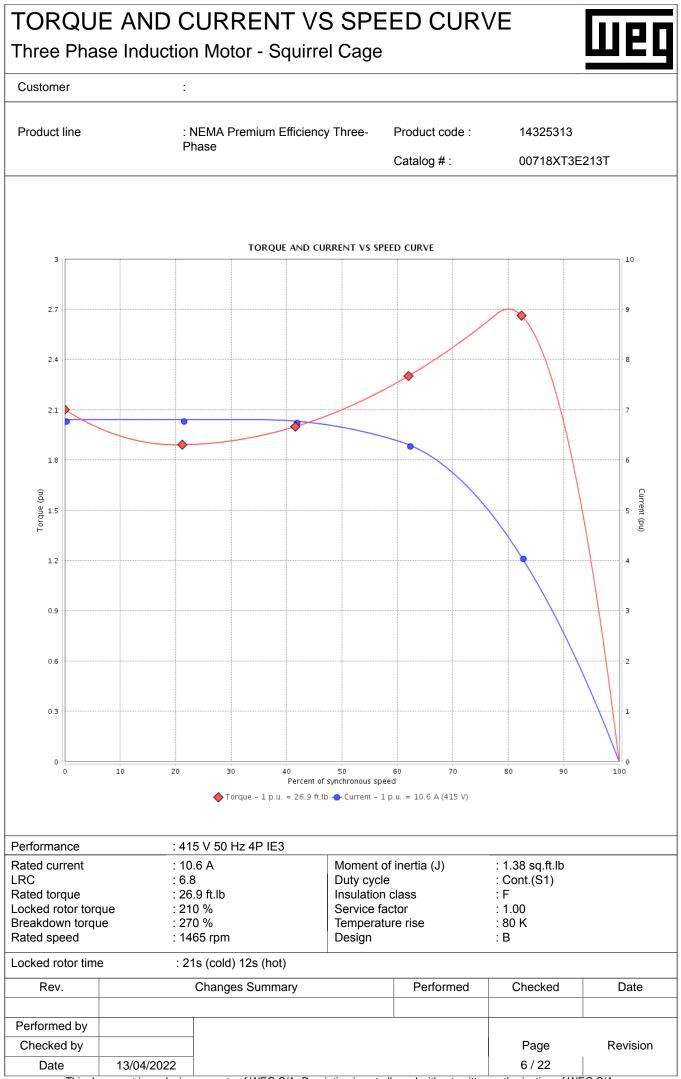
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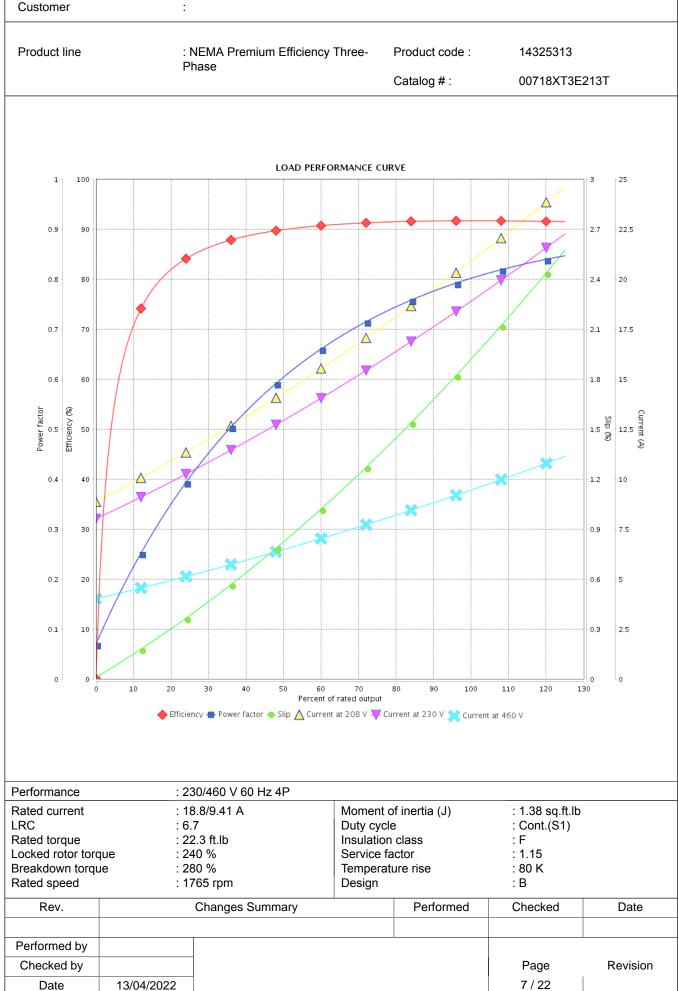
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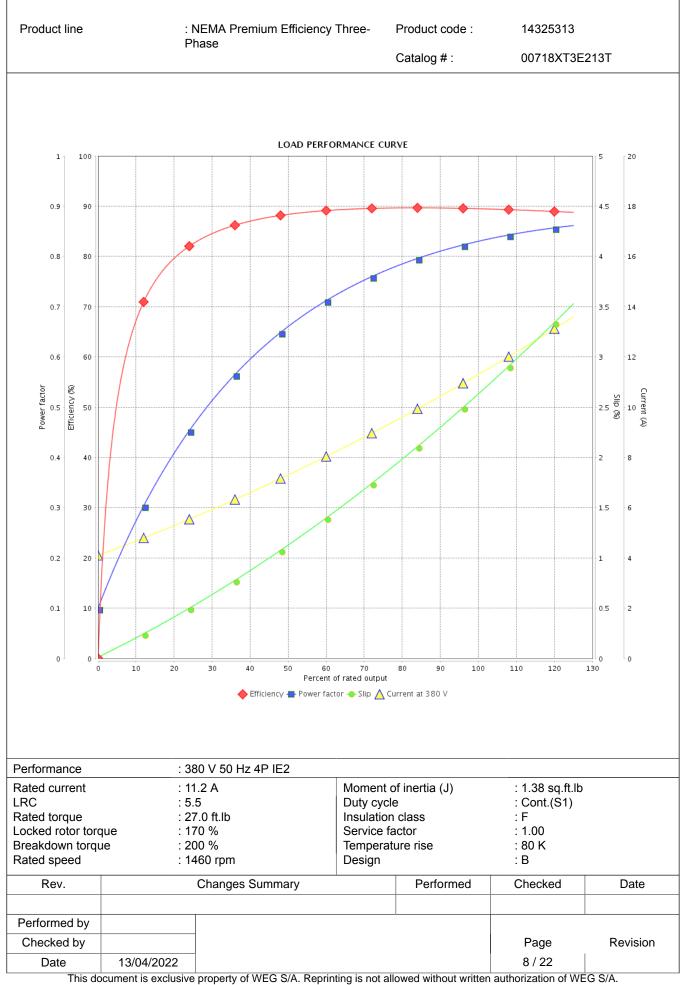
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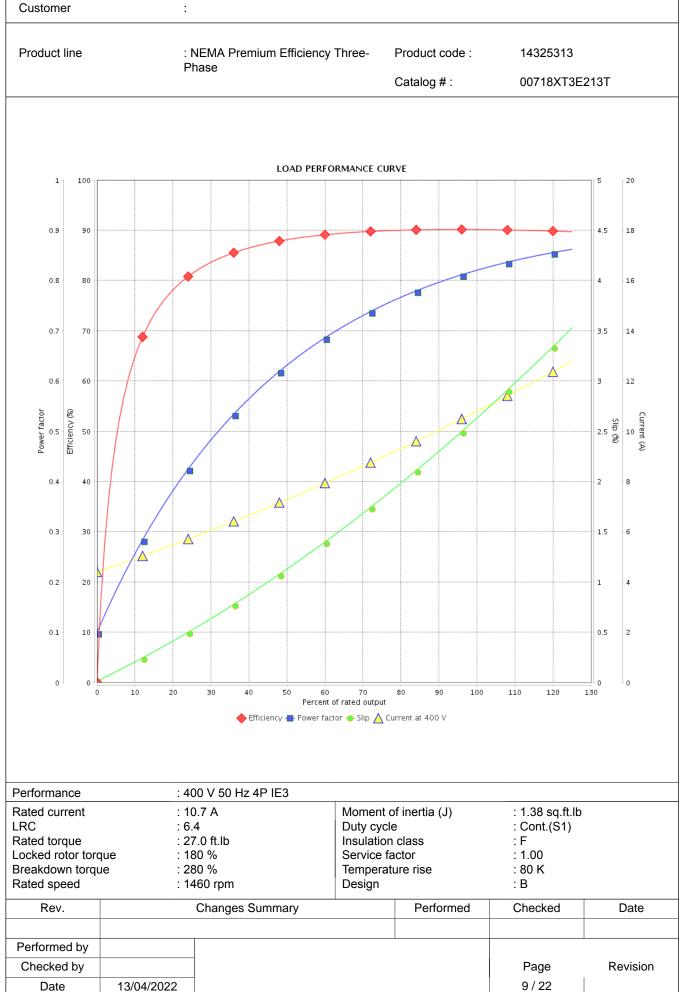


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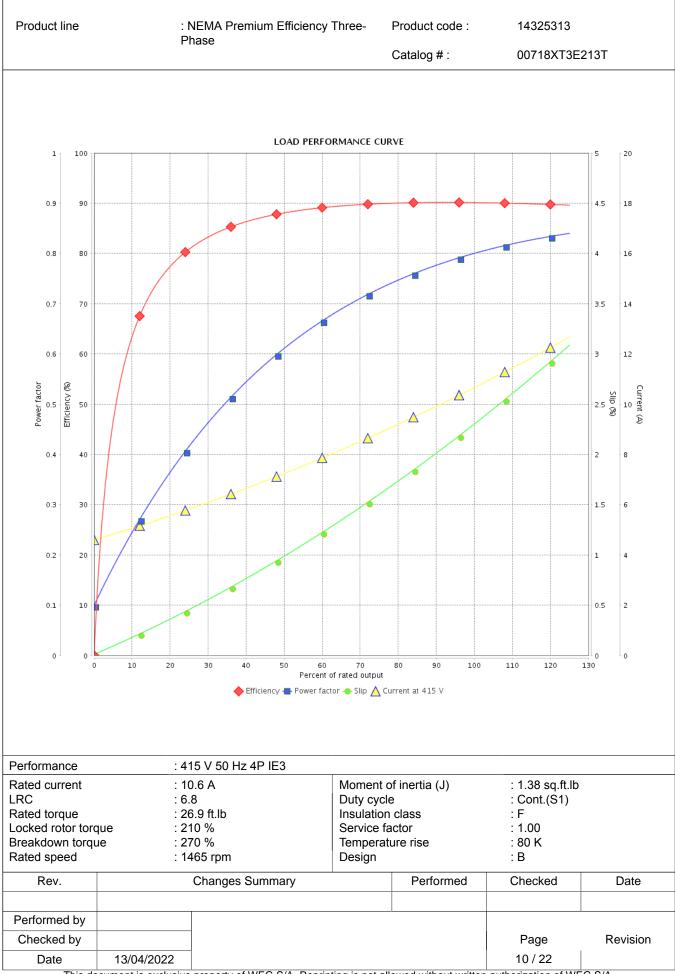
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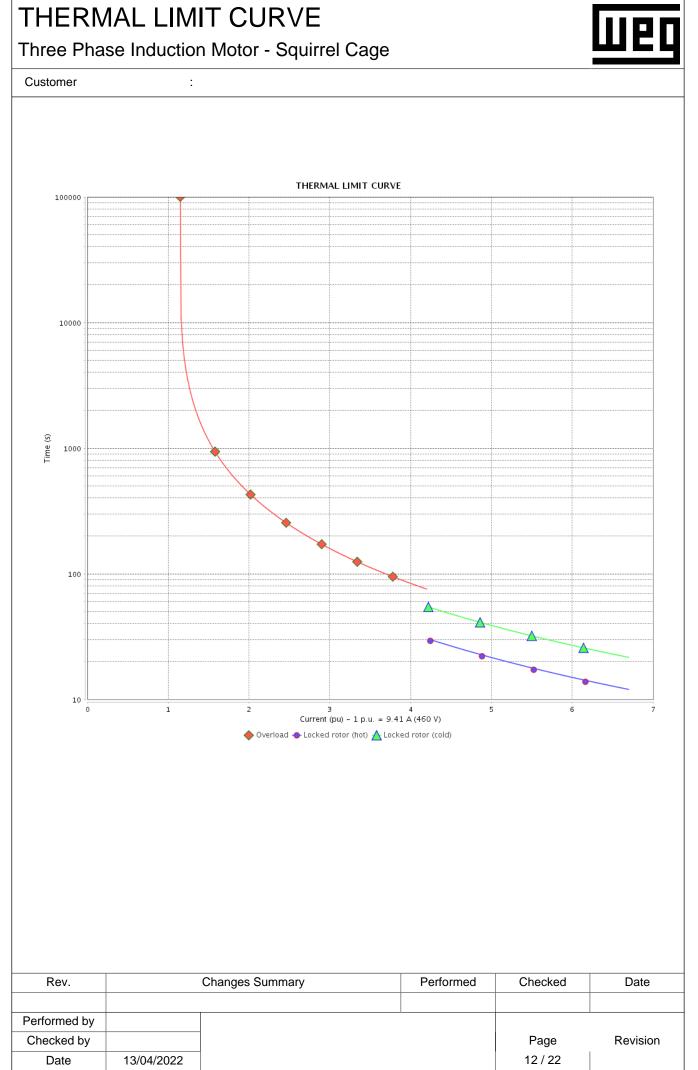
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Customer

Product line	: NEMA Premium Efficiency Three-	Product code :	14325313
	Phase	Catalog # :	00718XT3E213T

Шеq

Performance	: 23	30/460 V 60 Hz 4P				
Rated current LRC Rated torque Locked rotor toro Breakdown torqu Rated speed	: 6. : 22 que : 24 ie : 28	3 ft.lb Insulation class 0 % Service factor		: 1.38 sq.ft.lb : Cont.(S1) : F : 1.15 : 80 K : B		
Heating constant	t					
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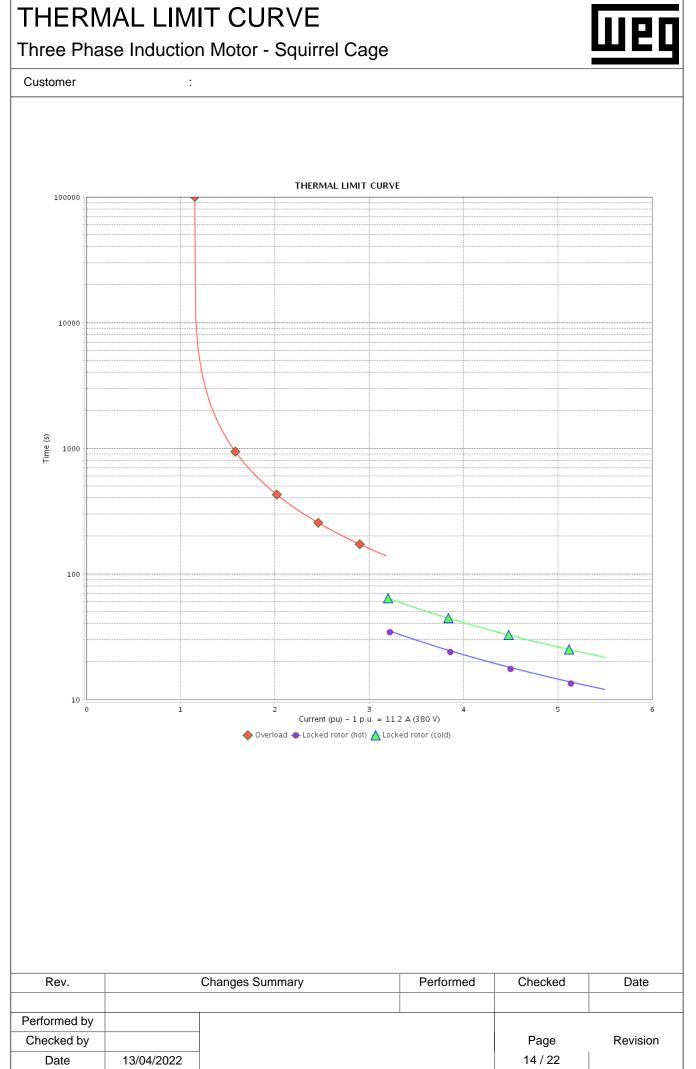
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Customer

Product line	: NEMA Premium Efficiency Three-	Product code :	14325313
	Phase	Catalog # :	00718XT3E213T

Шеq

Performance	: 38	80 V 50 Hz 4P IE2				
Rated current LRC Rated torque Locked rotor toro Breakdown torqu Rated speed	: 5 : 2 jue : 1 ie : 20	1.2 A .5 7.0 ft.lb 70 % 00 % 460 rpm	Moment of inertia (J) Duty cycle Insulation class Service factor Temperature rise Design		: Cont.(S1) : F : 1.00	
Heating constant		-00 1011	Design		. D	
Cooling constant	:					
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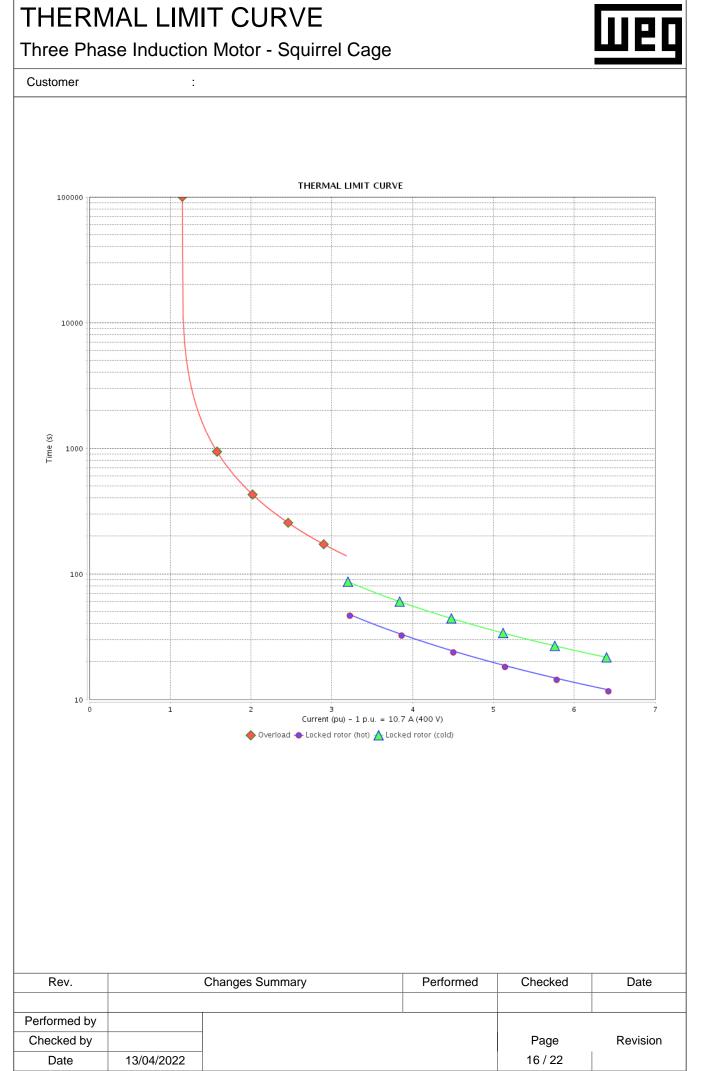
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Customer

Product line	: NEMA Premium Efficiency Three-	Product code :	14325313
	Phase	Catalog # :	00718XT3E213T

Шеq

Performance		: 400 V 50 Hz 4P IE3	00 V 50 Hz 4P IE3			
Rated current LRC Rated torque Locked rotor torq Breakdown torqu Rated speed	lue le	: 10.7 A : 6.4 : 27.0 ft.lb : 180 % : 280 % : 1460 rpm	Moment of inertia (J) Duty cycle Insulation class Service factor Temperature rise Design		: 1.38 sq.ft.lb : Cont.(S1) : F : 1.00 : 80 K : B	
Heating constant					·	
Cooling constant						
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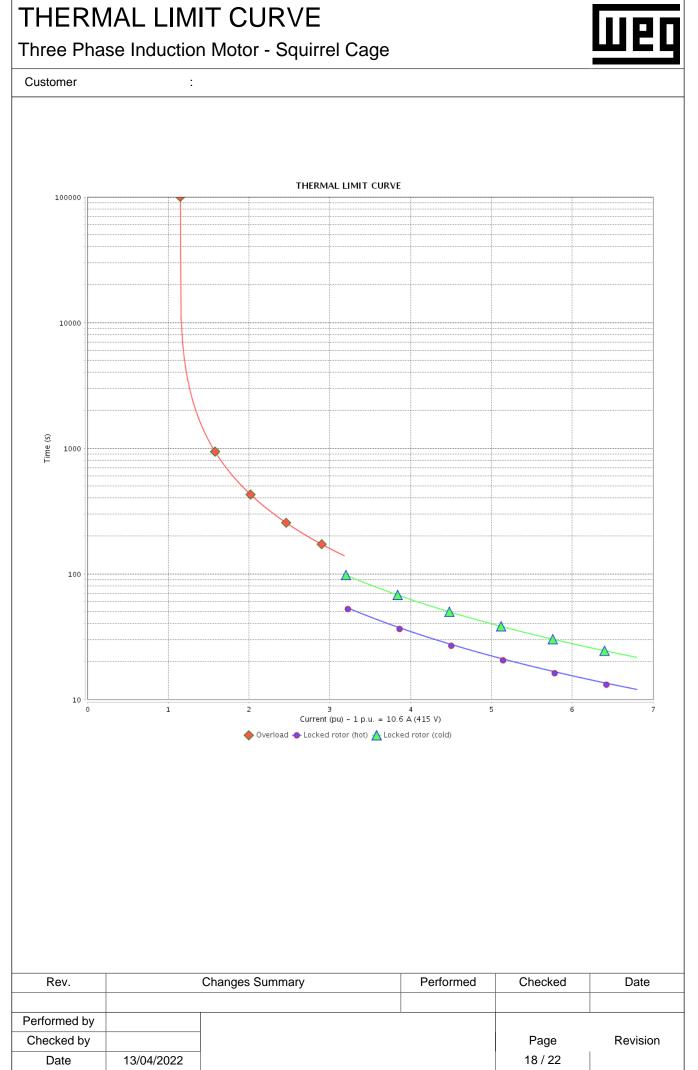
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Customer

Product line	: NEMA Premium Efficiency Three-	Product code :	14325313
	Phase	Catalog # :	00718XT3E213T

Шеq

Performance		415 V 50 Hz 4P IE3				
Rated current LRC Rated torque Locked rotor torq Breakdown torqu Rated speed	lue le	: 10.6 A : 6.8 : 26.9 ft.lb : 210 % : 270 % : 1465 rpm	Moment of inertia (J) Duty cycle Insulation class Service factor Temperature rise Design		: 1.38 sq.ft.lb : Cont.(S1) : F : 1.00 : 80 K : B	
Heating constant						
Cooling constant						
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