# DATA SHEET

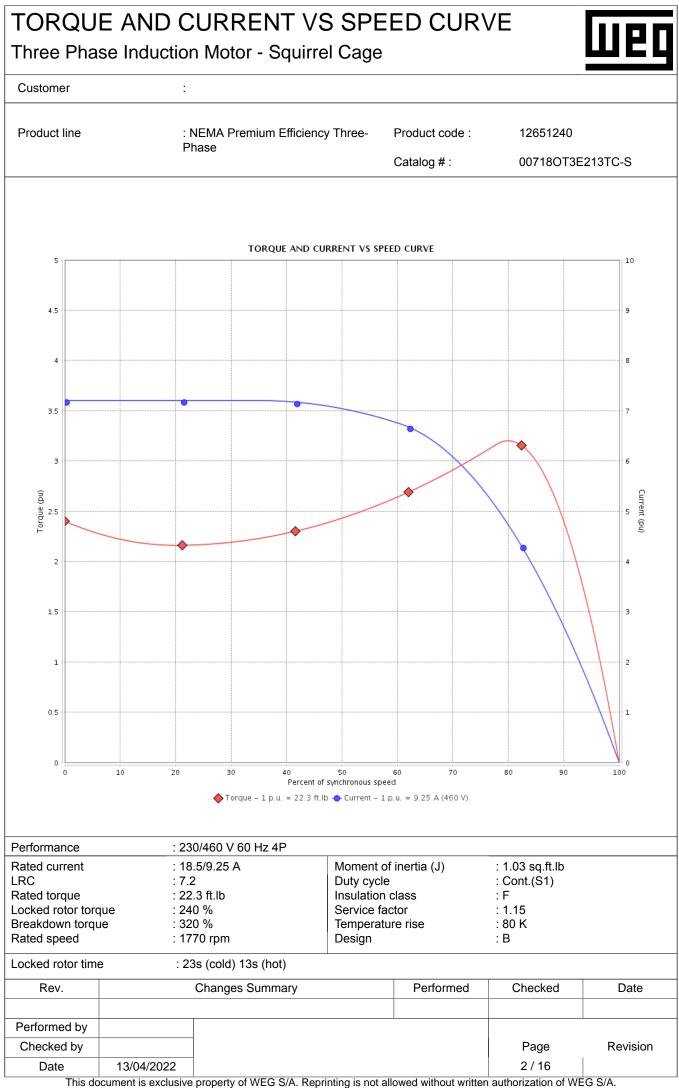
Three Phase Induction Motor - Squirrel Cage

:



#### Customer

		: NEMA Premiu Phase		niee- Fi	oduct code :	12651240		
		1 11030		Ca	atalog # :	00718OT3E	E213TC-S	
Frame		: 213/5TC		Cooling m	ethod	: IC01 - OD	P	
Insulation class		: F		Mounting		: F-1		
Duty cycle		: Cont.(S1)		Rotation <sup>1</sup>		: Both (CW	and CCW)	
Ambient temperature		: -20°C to +40°C	C	Starting m	nethod	: Direct On		
Altitude		: 1000 m.a.s.l.	-	Approx. w		: 127 lb		
Design		: B			f inertia (J)	: 1.03 sq.ft.	lb	
Output [HP]		7.5		-	7.5		7.5	
Poles		4			4		4	
Frequency [Hz]		60			50		50	
Rated voltage [V]		230/4	60		190/380	22	20/415	
Rated current [A]		18.5/9	.25	2	22.2/11.1	20	0.0/10.6	
L. R. Amperes [A]		133/66			129/64.4		30/68.9	
LRC [A]		7.2x(Cod			x(Code G)		(Code H)	
No load current [A	1	8.79/4			3.64/4.32		88/4.71	
Rated speed [RPN	-	1770			1455		1460	
Slip [%]	<b>.</b>	1.67			3.00		2.67	
Rated torque [ft.lb]	1	22.3			27.1		27.0	
Locked rotor torqu		240			170		190	
Breakdown torque		320			229		250	
Service factor	L/~]	1.15			1.15		1.15	
Temperature rise		80 k			80 K		80 K	
Locked rotor time		23s (cold) 1		<u>Λε (</u>	cold) 0s (hot)		ld) 0s (hot)	
Noise level <sup>2</sup>		238 (Cold) 1 59.0 dE			6.0 dB(A)		0 dB(A)	
	25%	59.0 dE	. ,	5	90.4		.0 dB(A) 89.6	
Efficiency (%)	50%		89.5		88.9		88.6	
Efficiency (%)	75%	90.2			88.5		88.7	
	100%	91.0			86.7		87.4	
	25%	0.39			0.46		0.42	
Power Factor	50%		0.65 0.77		0.73		0.69	
	75%				0.83		0.80	
	100%	0.82			0.87		0.86	
			Non drive end	Foundation	n loads			
Bearing type		: 6208 ZZ	6206 ZZ	Max. tracti	on	: 317 lb		
Sealing		: Without	Without	Max. comp		: 444 lb		
5		Bearing Seal						
Lubrication interv	/al	: -	-					
Lubricant amoun		: -	-					
		: Mobil Po	lyrex EM					
Lubricant type								
Lubricant type								
Lubricant type Notes USABLE @208V	20.5A SF 1.	00 SFA 20.5A	-					
Notes USABLE @208V This revision repla must be eliminate (1) Looking the m	aces and car d. otor from the	icel the previous o				based on tests w e tolerances stipu		
Notes USABLE @208V This revision repla must be eliminate (1) Looking the m (2) Measured at 1	aces and car ed. otor from the m and with t veight subjec ocess.	icel the previous o	A).	power sup				
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. otor from the m and with t veight subjec ocess.	cel the previous o shaft end. olerance of +3dB(	A).	power sup				
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. otor from the m and with t veight subjec ocess.	icel the previous o shaft end. olerance of +3dB( t to changes after	A).	power sup	ply, subject to th	e tolerances stipu	ulated 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. otor from the m and with t veight subjec ocess.	icel the previous o shaft end. olerance of +3dB( t to changes after	A).	power sup	ply, subject to th	e tolerances stipu Checked	ulated in NEMA	
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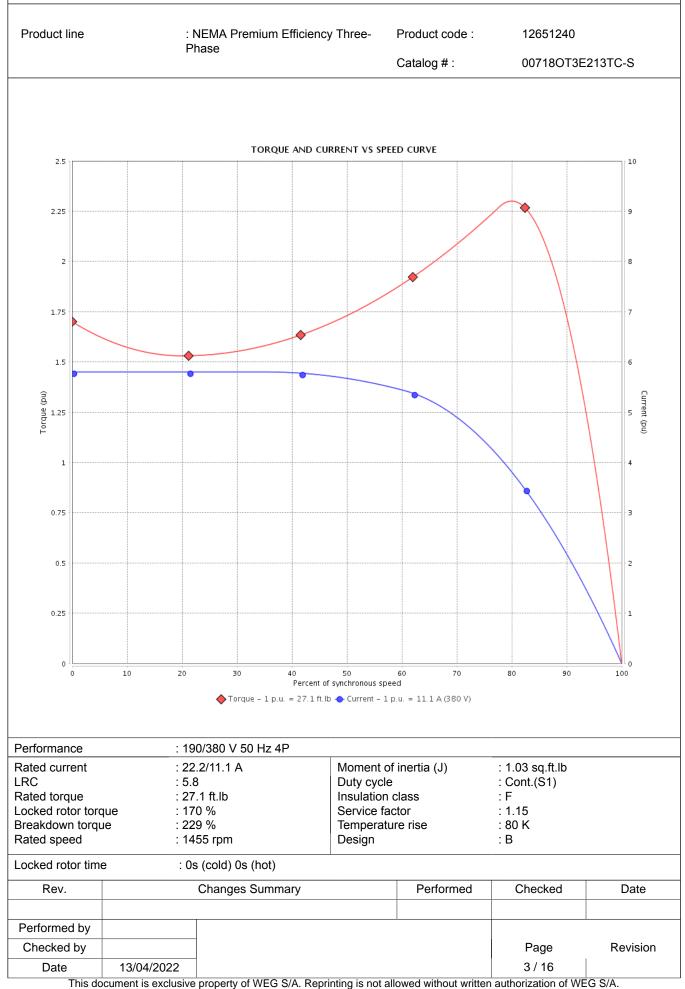
### TORQUE AND CURRENT VS SPEED CURVE

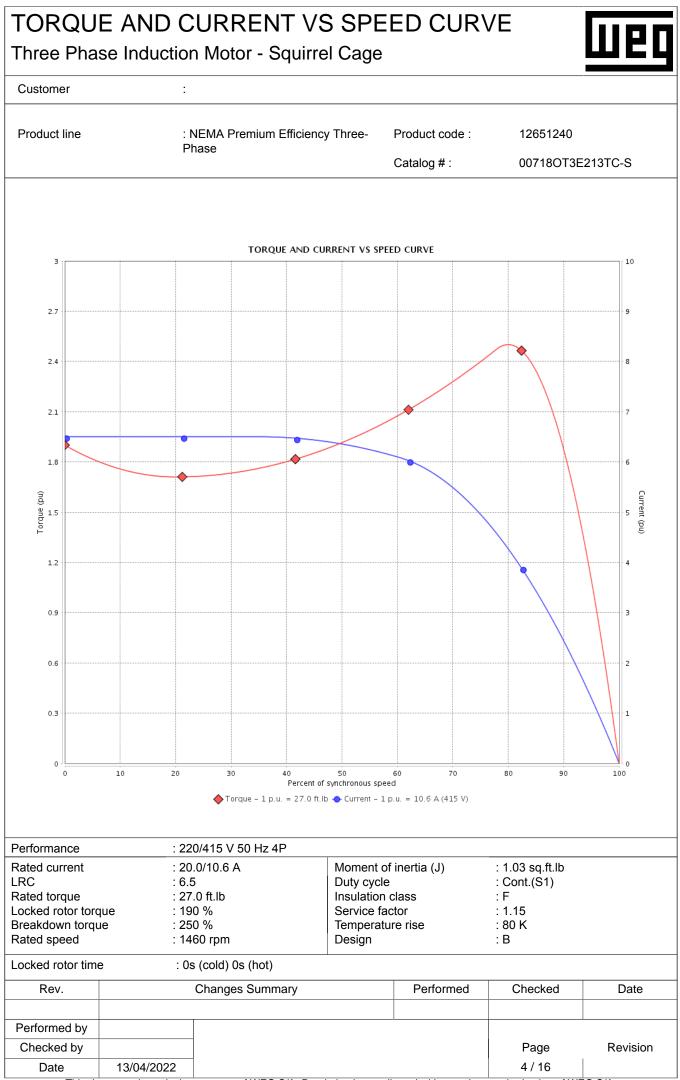
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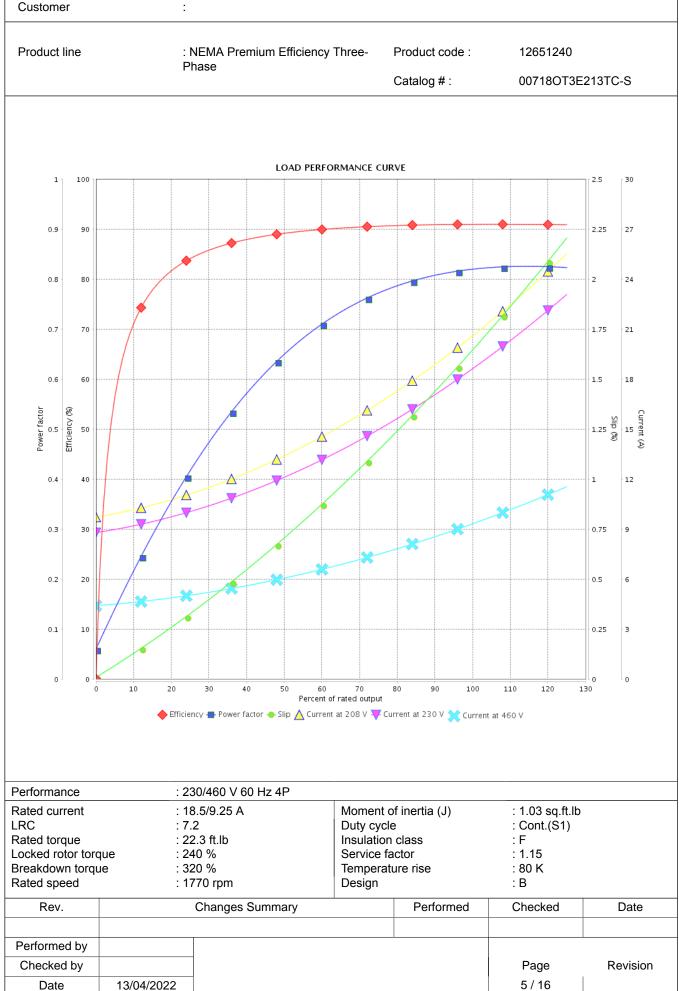
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## LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage

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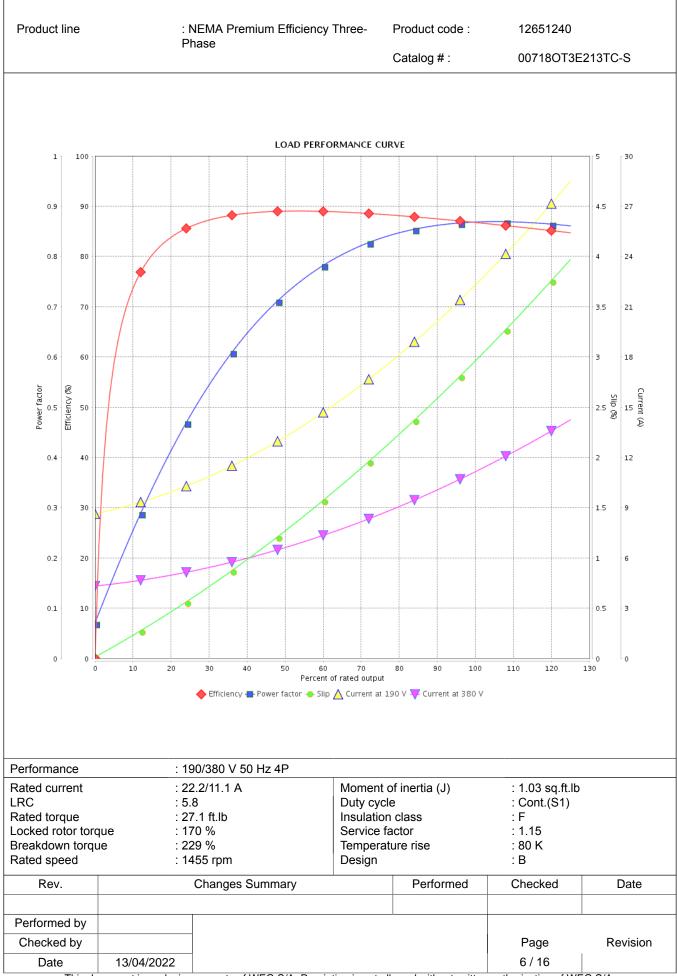
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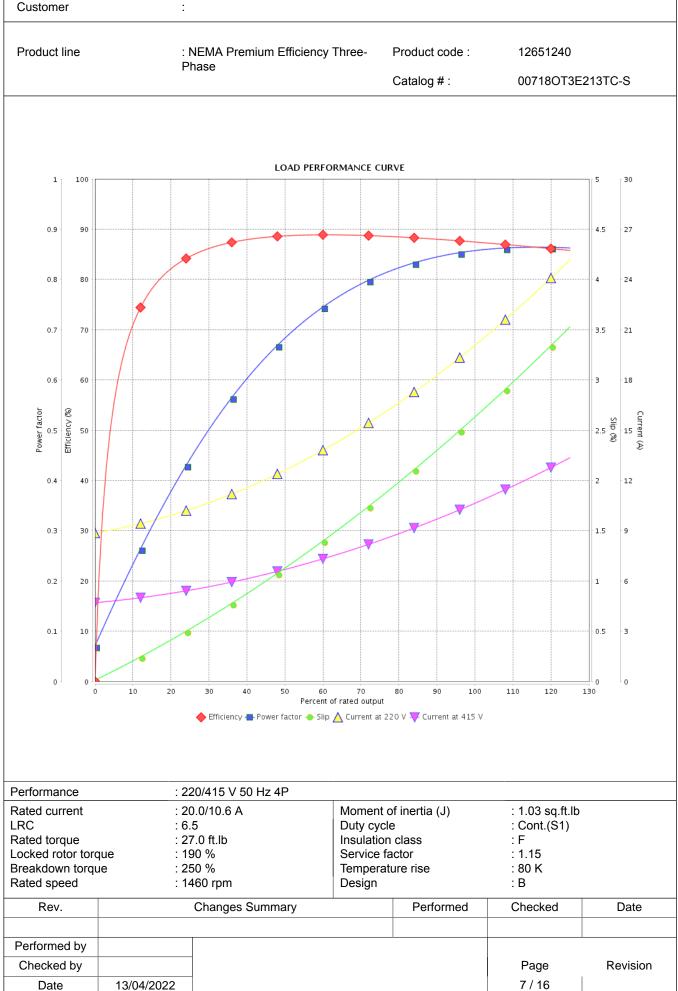
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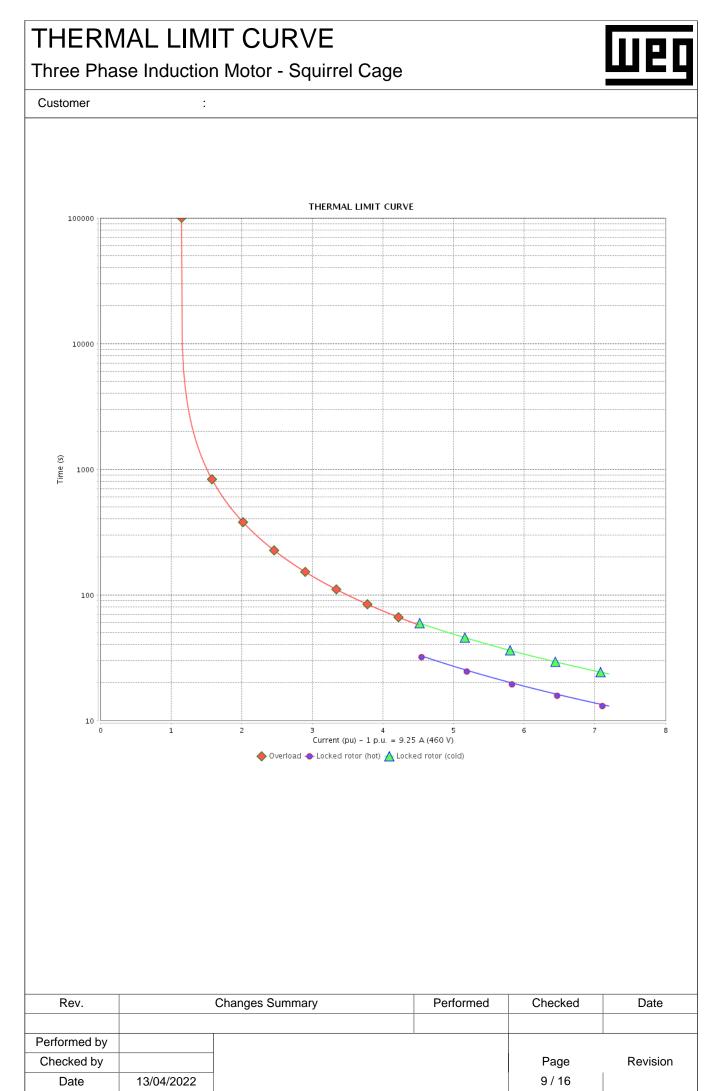
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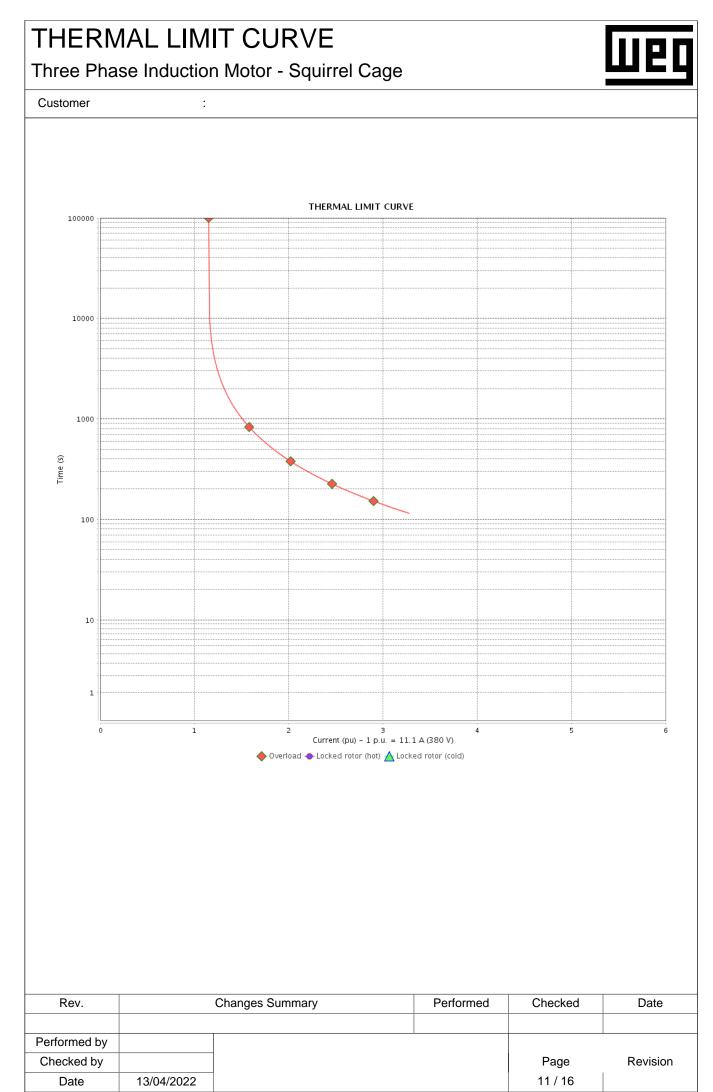
THERMAL LIMIT CURVE Three Phase Induction Motor - Squirrel Cage						
Customer		:				
Product line		: NEMA Premium Efficiency Phase		Product code : Catalog # :	12651240 00718OT3E	213TC-S
Derfermense						
Performance Rated current LRC Rated torque Locked rotor torq Breakdown torqu	lne	: 230/460 V 60 Hz 4P : 18.5/9.25 A : 7.2 : 22.3 ft.lb : 240 % : 320 %	Duty cycle Insulation Service fa Temperati	class ictor	: 1.03 sq.ft.lb : Cont.(S1) : F : 1.15 : 80 K	
Rated speed Heating constant		: 1770 rpm	Design		: B	
Cooling constant Rev.		Changes Summary		Performed	Checked	Date
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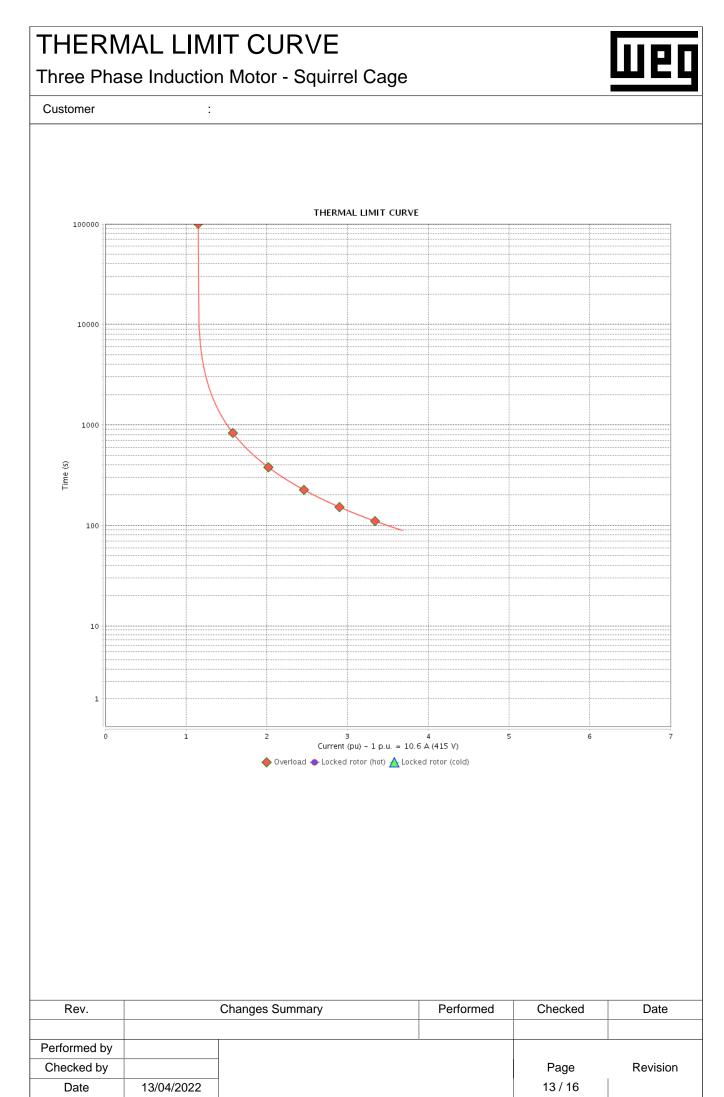
THERMAL LIMIT CURVE Three Phase Induction Motor - Squirrel Cage						
Customer		:				
Product line		: NEMA Premium Efficiency Phase		Product code : Catalog # :	12651240 00718OT3E	213TC-S
Performance		: 190/380 V 50 Hz 4P				
Rated current LRC Rated torque Locked rotor torq	lne	: 22.2/11.1 A : 5.8 : 27.1 ft.lb : 170 %	Duty cycle Insulation Service fa	class ictor	: 1.03 sq.ft.lb : Cont.(S1) : F : 1.15	
Breakdown torqu Rated speed		: 229 % : 1455 rpm	Temperatu Design	ure rise	: 80 K : B	
Heating constant						
Cooling constant	t			_		
Rev.		Changes Summary		Performed	Checked	Date

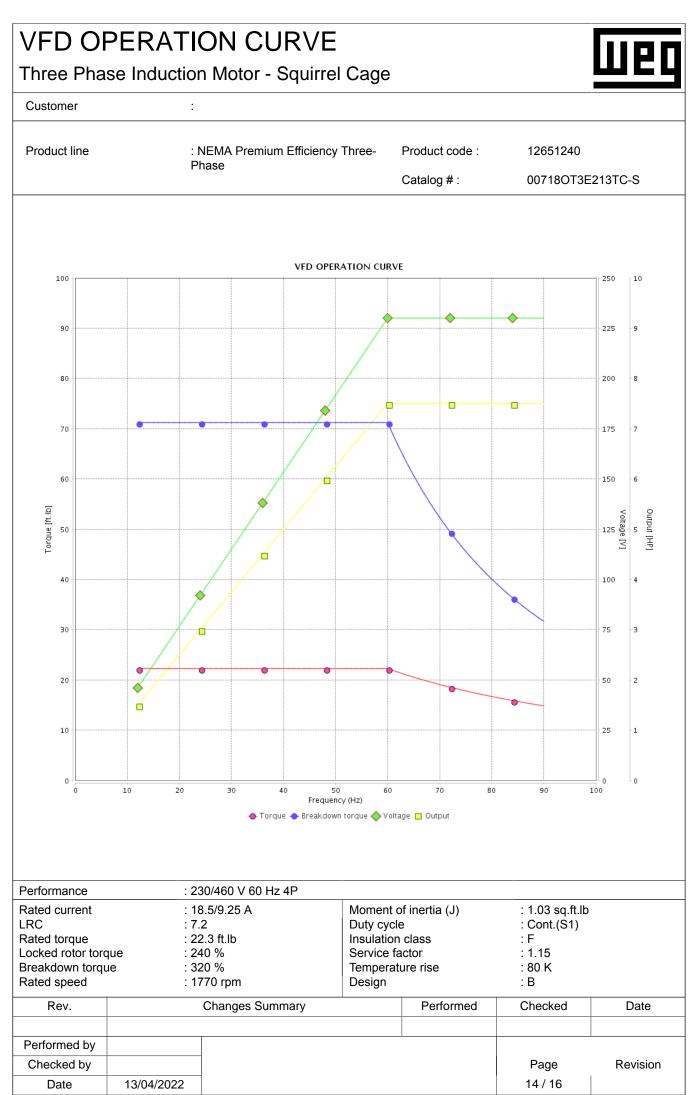
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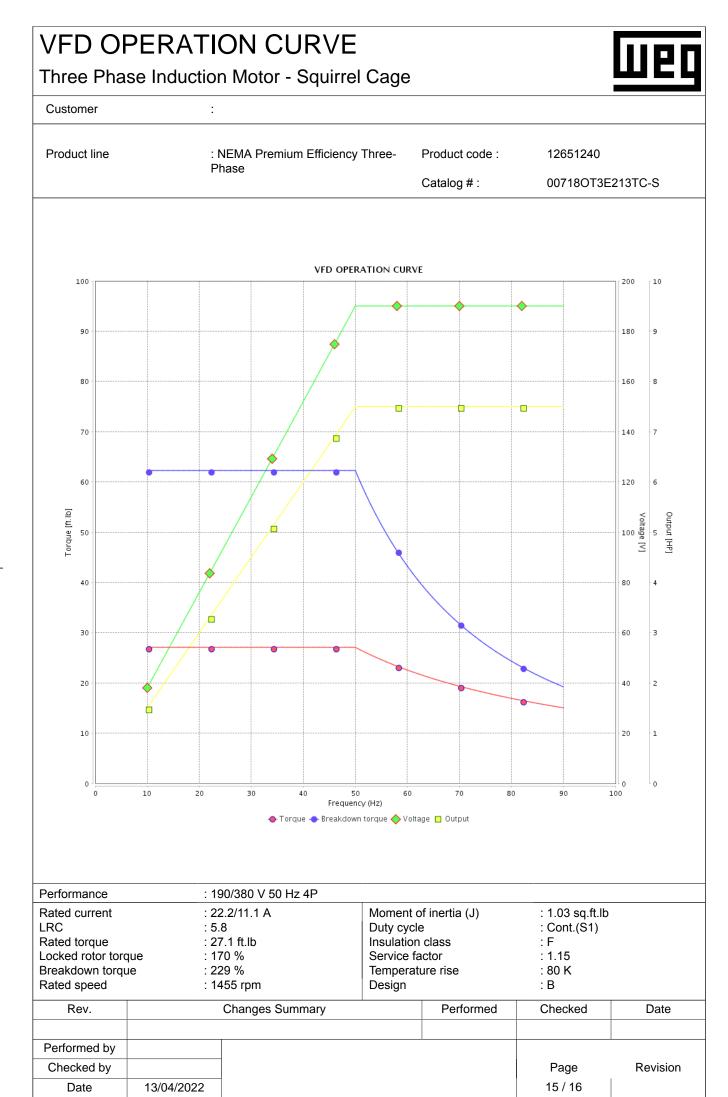
THERMAL LIMIT CURVE         Three Phase Induction Motor - Squirrel Cage						
Customer		:				
Product line		: NEMA Premium Efficiency Phase		Product code : Catalog # :	12651240 00718OT3E	213TC-S
Performance Rated current LRC Rated torque Locked rotor toro Breakdown torqu Rated speed	lue Ie	: 220/415 V 50 Hz 4P : 20.0/10.6 A : 6.5 : 27.0 ft.lb : 190 % : 250 % : 1460 rpm	Moment o Duty cycle Insulation Service fa Temperatu Design	class ctor	: 1.03 sq.ft.lb : Cont.(S1) : F : 1.15 : 80 K : B	
Heating constant						1
Rev.		Changes Summary		Performed	Checked	Date

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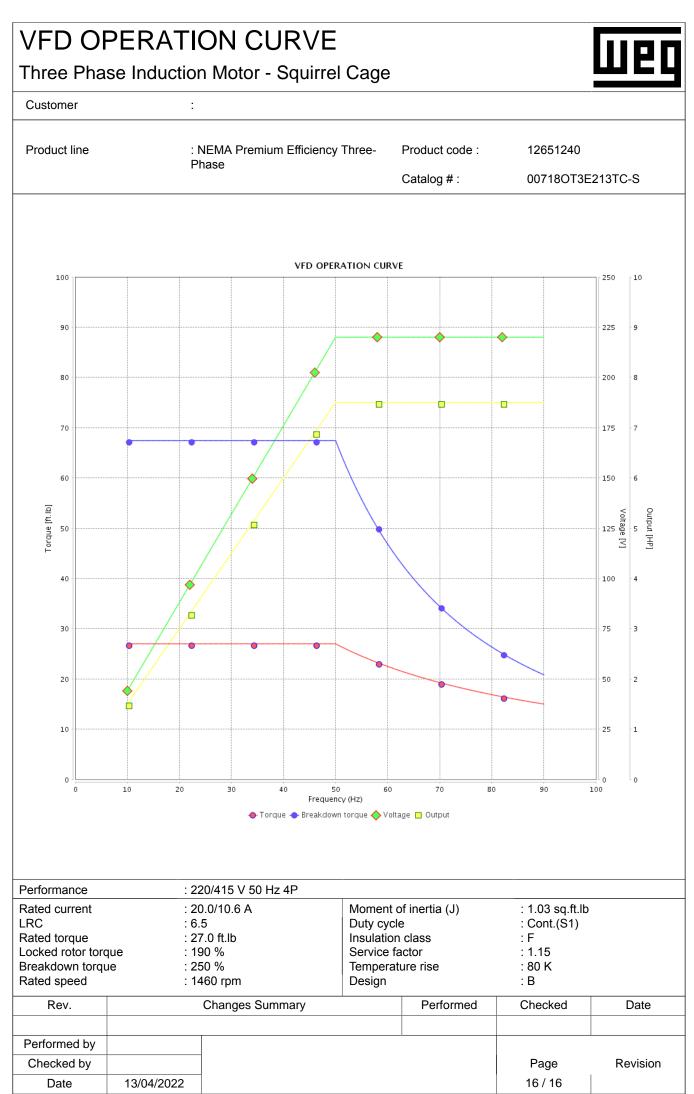


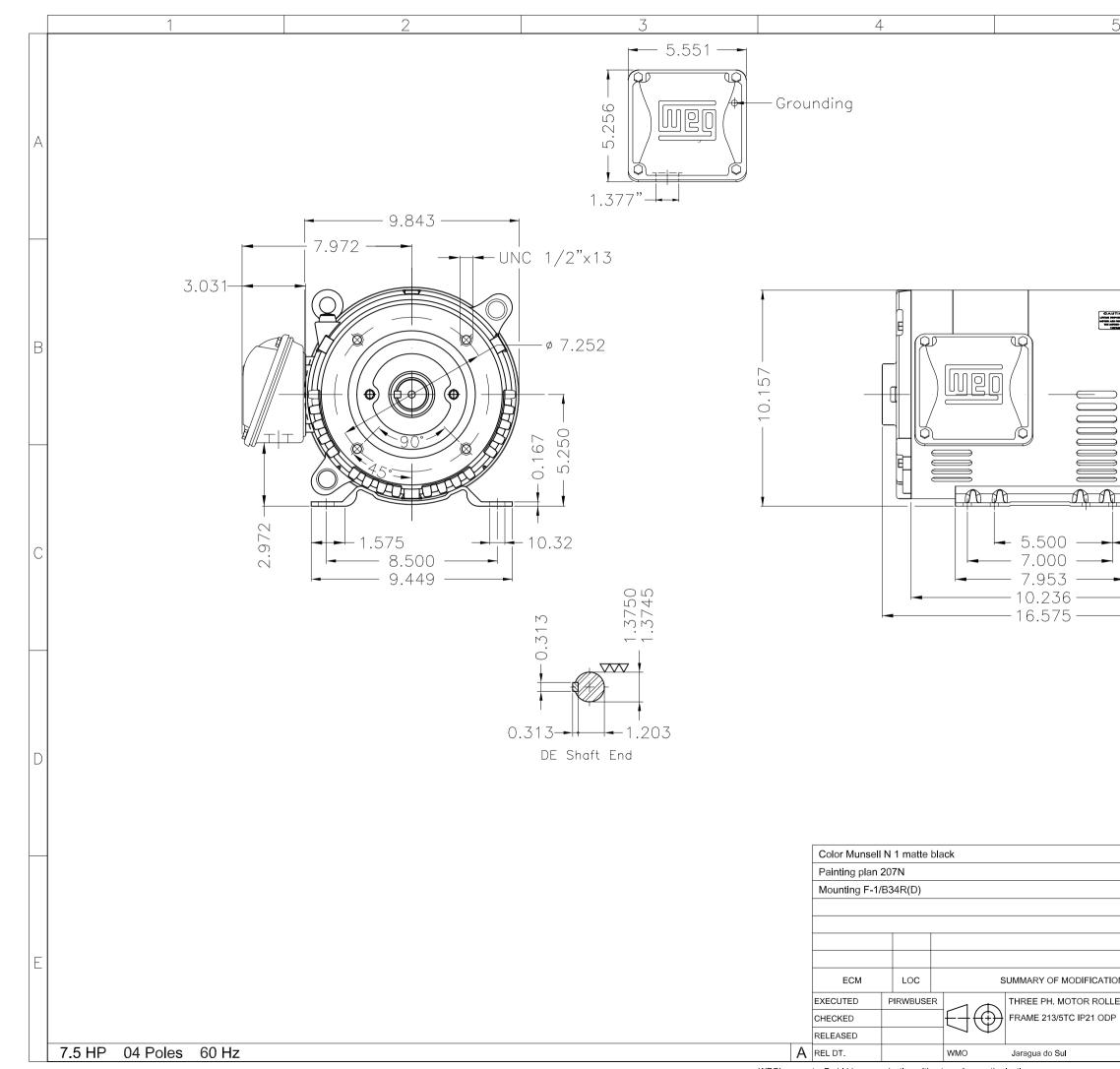


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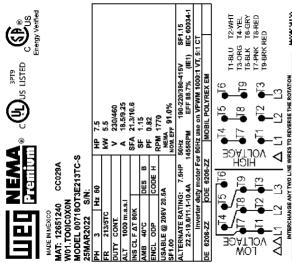
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choc électrique grave. Déconnectez l'alimentation avant l'entrefien de la machine conformément aux codes électriques locaux et nationaux afin d'éviter tout AVERTISSEMENT: Le moteur doit être mis à la terre

chocks. Disconnect power source before servicing unit.

WARNING: Motor must be grounded in accordance with local and national electrical codes to prevent serious electrical

