# DATA SHEET

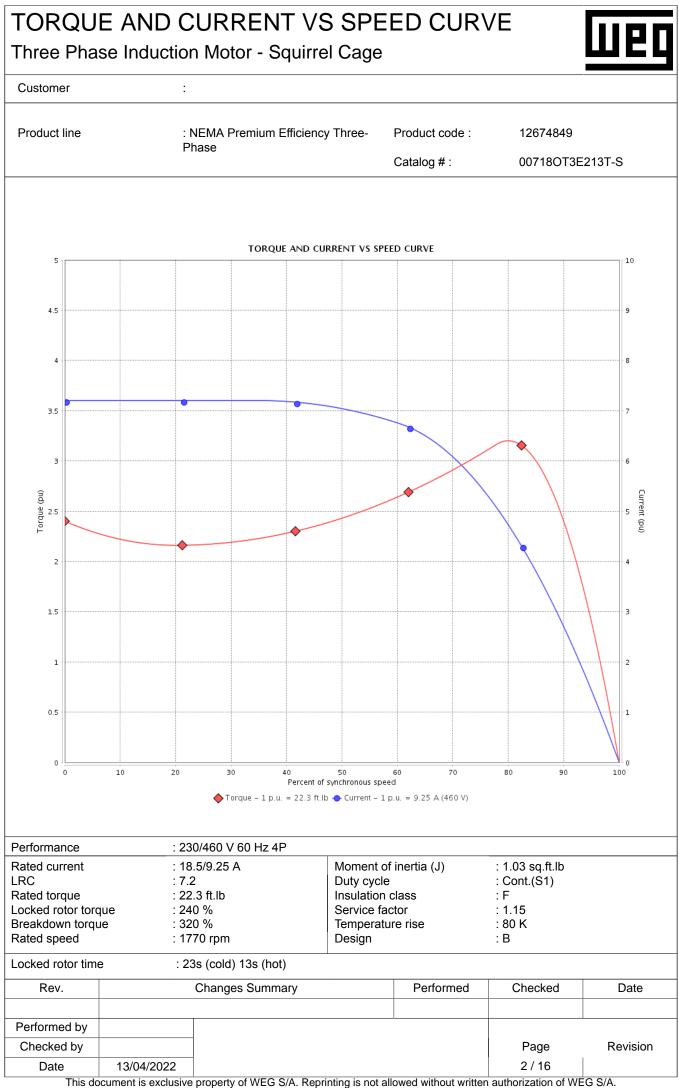
Three Phase Induction Motor - Squirrel Cage

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#### Customer

	Product line			hree- F	roduct code :	12674849		
		Phase		C	atalog # :	00718OT3E	213T-S	
Frame		: 213/5T		Cooling r	nethod	: IC01 - OD	P	
Insulation class		: F		Mounting		: F-1		
Duty cycle		: Cont.(S1)				: Both (CW and CCW)		
Ambient temperature			: -20°C to +40°C		nethod		: Direct On Line	
Altitude		: 1000 m.a.s.l.		Approx. weight <sup>3</sup>		: 117 lb		
Design		: B			of inertia (J)	: 1.03 sq.ft.l	b	
Output [HP]		7.5		-	7.5		7.5	
Poles		4			4		4	
Frequency [Hz]		60			50		50	
Rated voltage [V]		230/46	60		190/380	22	20/415	
Rated current [A]		18.5/9.	25		22.2/11.1	20	.0/10.6	
L. R. Amperes [A]		133/66			129/64.4		30/68.9	
LRC [A]		7.2x(Coc		5	8x(Code G)		(Code H)	
No load current [A	1	8.79/4.			8.64/4.32		38/4.71	
Rated speed [RPN		1770			1455		1460	
Slip [%]		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	[,_]	1.15			1.15		1.15	
Temperature rise		80 K			80 K		80 K	
Locked rotor time		23s (cold) 1		0c /	cold) 0s (hot)		ld) 0s (hot)	
Noise level <sup>2</sup>		238 (COId) T 59.0 dB			6.0 dB(A)		0  dB(A)	
	25%	59.0 dB 88.6	• •	:	90.4		0 dB(A) 89.6	
Efficiency (%)	50%		89.5		88.9		88.6	
	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		0.83 0.8		0.69	
	75%						0.80	
	100%	0.82			0.87		0.86	
			on drive end	Foundatio	n loads			
Bearing type		: 6208 ZZ	6206 ZZ	Max. traction : 322 lb				
Sealing		: Without	Without	Max. com		: 439 lb		
5		Bearing Seal				-		
Lubrication interv	/al	: -	-					
Lubricant amoun		: -	-					
		: Mobil Pol	vrex EM					
Lubricant type								
Lubricant type			<b>J</b>					
Lubricant type Notes USABLE @208V	20.5A SF 1.	00 SFA 20.5A	, <u>_</u>					
Notes USABLE @208V This revision repla must be eliminate (1) Looking the m	aces and car d. otor from the	icel the previous o	ne, which			based on tests wi 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	ne, which	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(/	ne, which 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	ne, which A).	power sup	oply, subject to th	e tolerances stipu	lated 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	ne, which A).	power sup	oply, subject to th	e tolerances stipu Checked	Ilated in NEMA	
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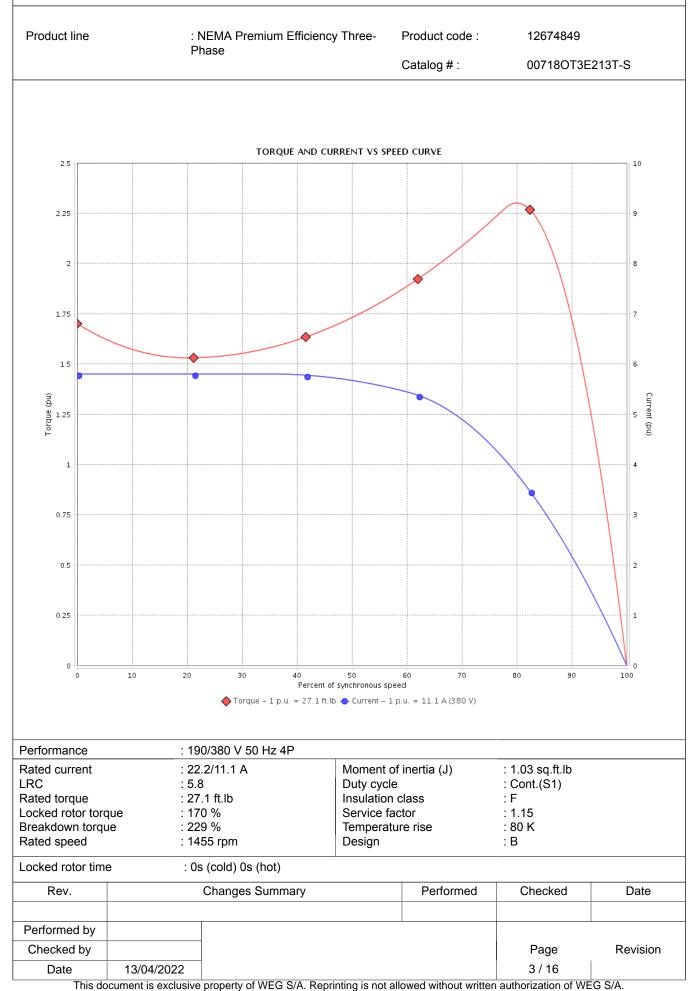
### TORQUE AND CURRENT VS SPEED CURVE

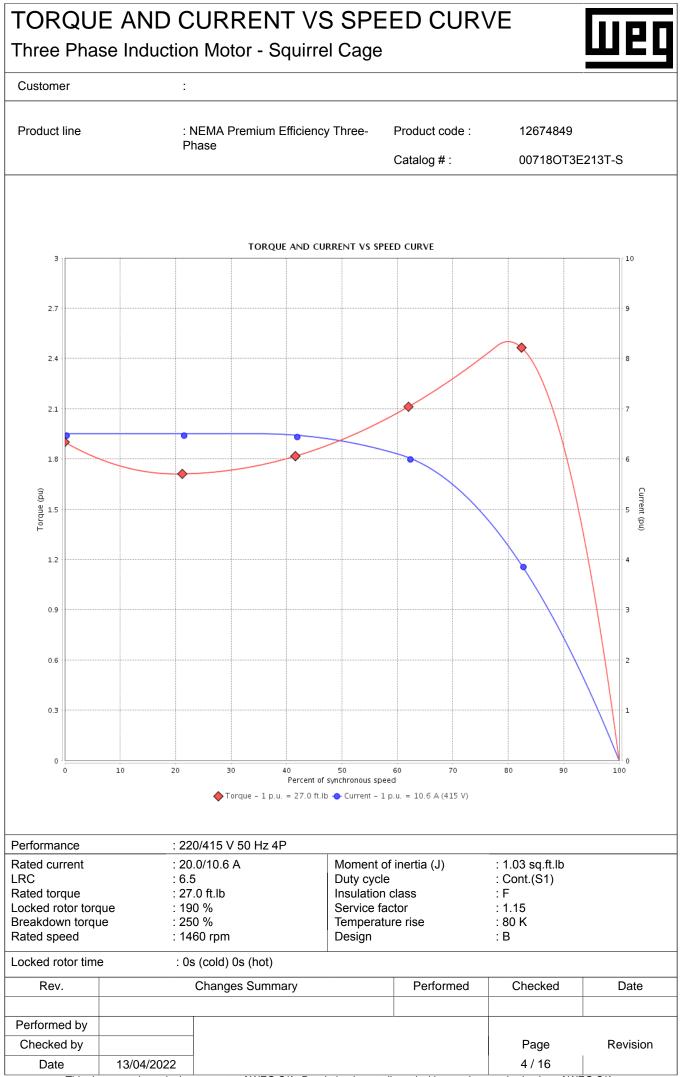
Three Phase Induction Motor - Squirrel Cage

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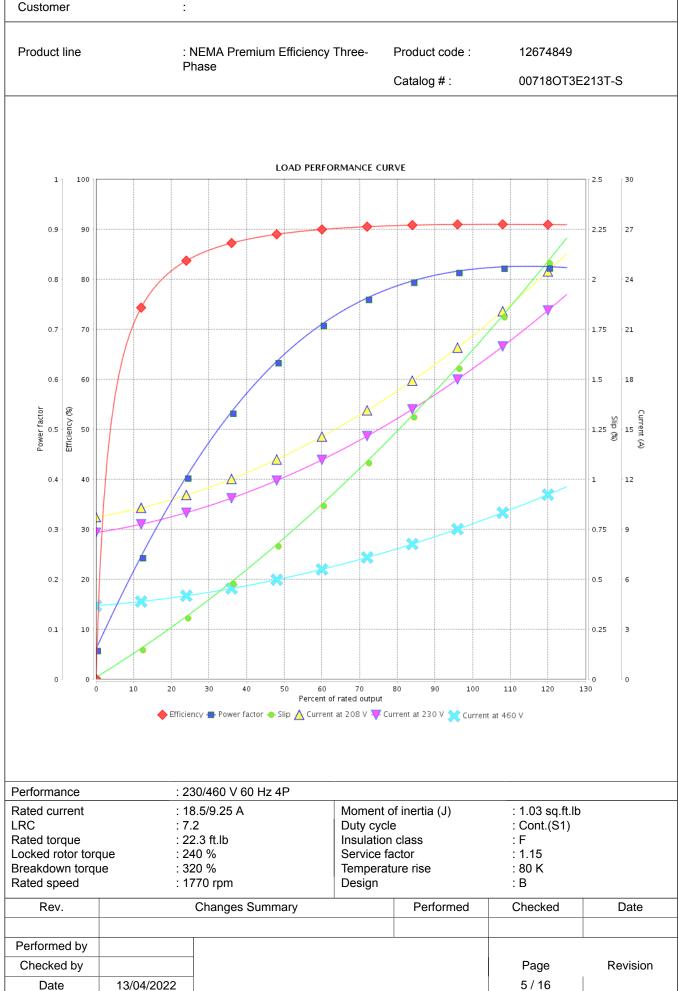




## LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage

#### Customer



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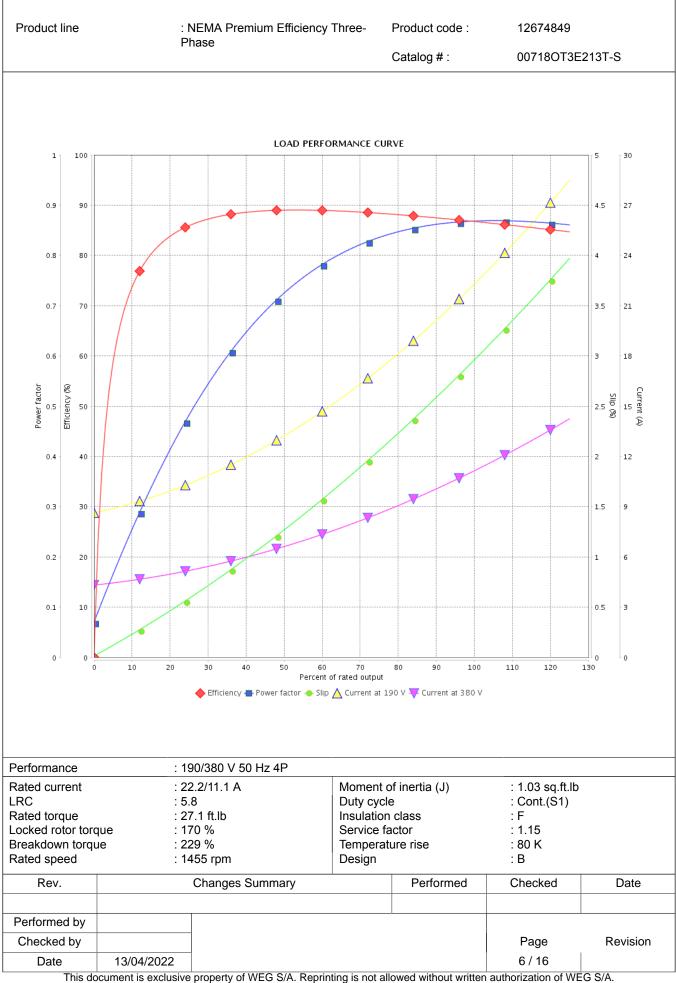
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Three Phase Induction Motor - Squirrel Cage

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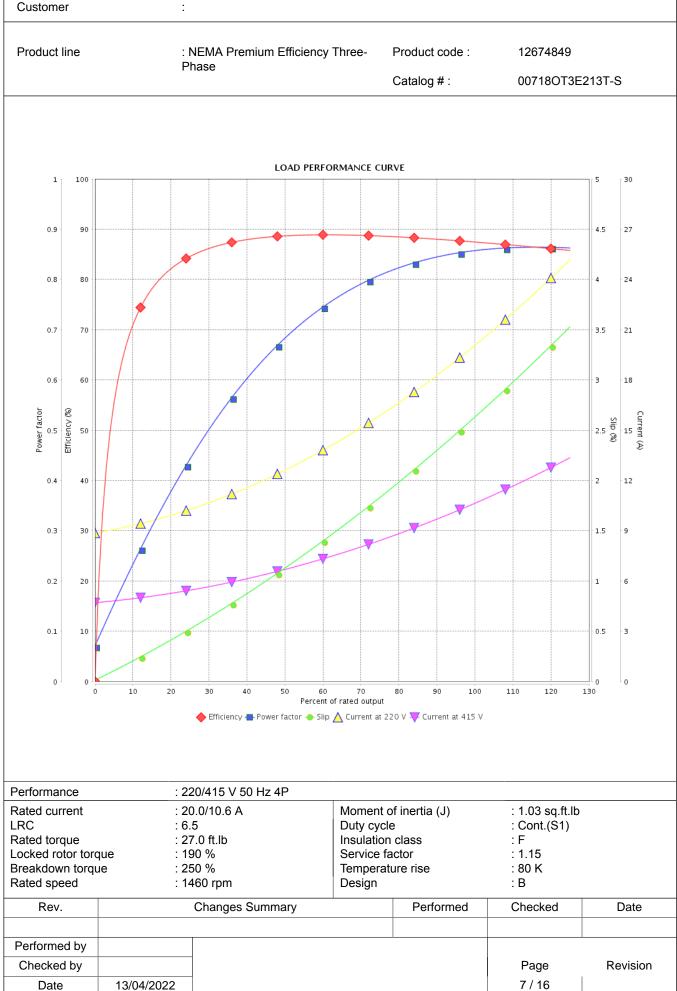
Customer



## LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage

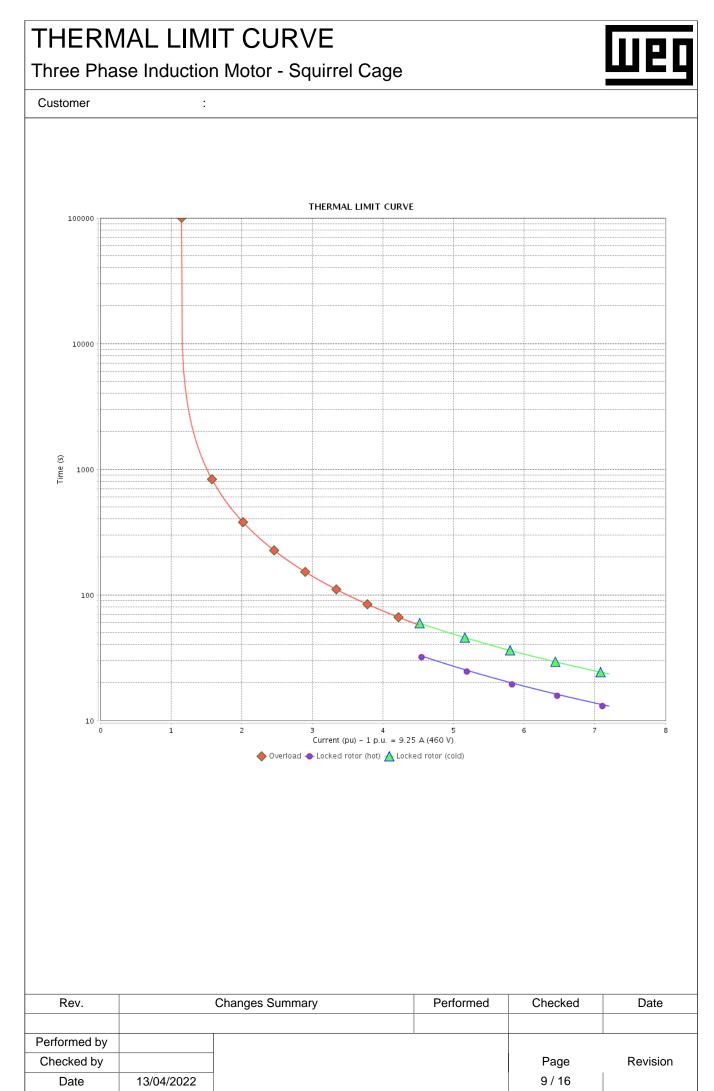
#### Customer



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THERMAL L Three Phase Indu	шер		
Customer	:		
Product line	: NEMA Premium Efficiency Three- Phase	Product code :	12674849
	FIIdSE	Catalog # :	00718OT3E213T-S

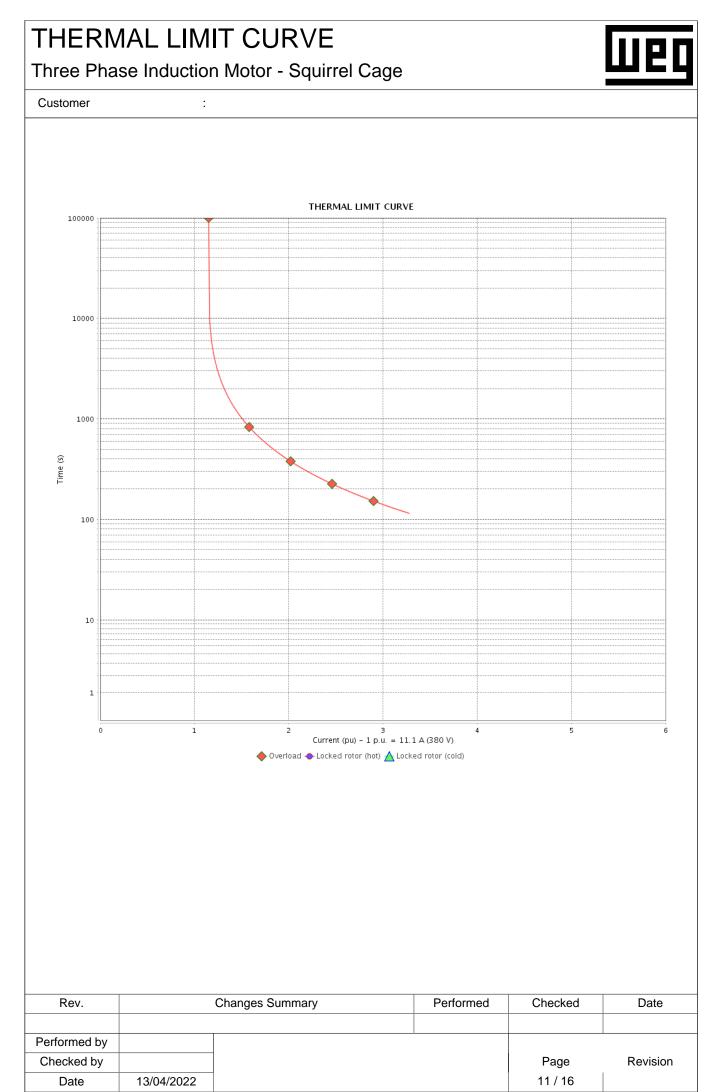
Performance	:	230/460 V 60 Hz 4P				
Rated current: 18.5/9.25 ALRC: 7.2Rated torque: 22.3 ft.lbLocked rotor torque: 240 %Breakdown torque: 320 %Rated speed: 1770 rpm		Moment of inertia (J) Duty cycle Insulation class Service factor Temperature rise Design		: 1.03 sq.ft.lb : Cont.(S1) : F : 1.15 : 80 K : B		
Heating constant						
Cooling constant						
Rev.		Changes Summary	· · · · · · · · · · · · · · · · · · ·	Performed	Checked	Date
Performed by						
Checked by					Page	Revision
Date	13/04/2022				8 / 16	
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THERMAL L	IMIT CURVE		
Three Phase Indu	iction Motor - Squirrel Cage	;	<u>ш</u>
Customer	:		
Product line	: NEMA Premium Efficiency Three- Phase	Product code :	12674849
		Catalog # :	00718OT3E213T-S

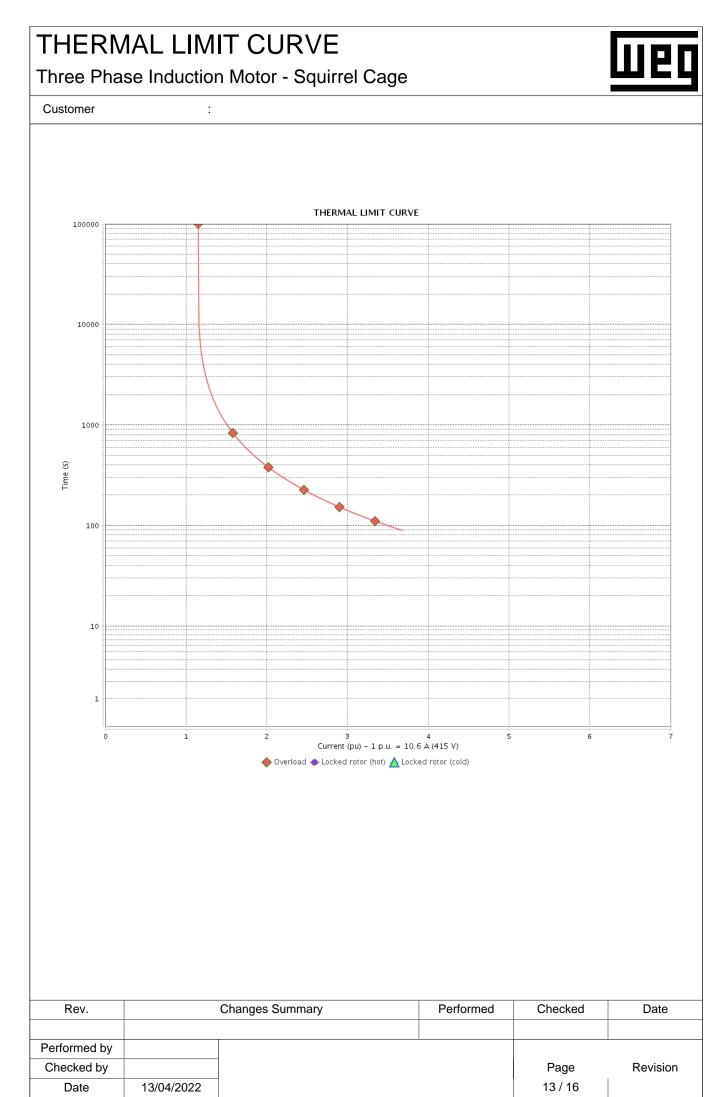
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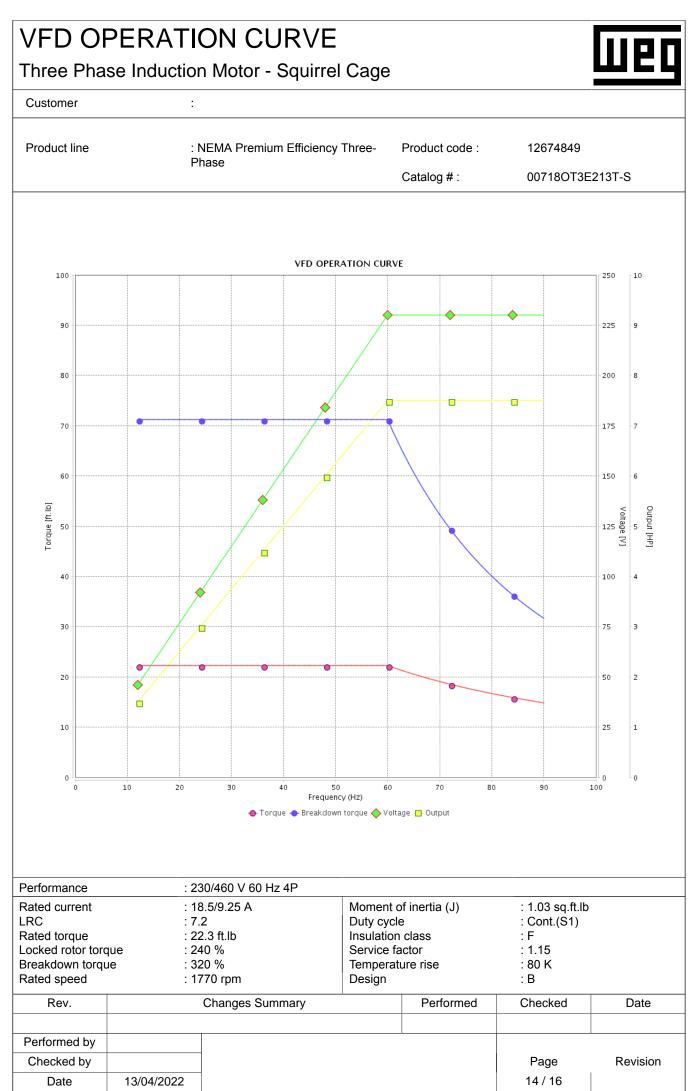
Performance	: 1	90/380 V 50 Hz 4P				
Rated current: 22LRC: 5.8Rated torque: 27Locked rotor torque: 17Breakdown torque: 22		2.2/11.1 A .8 7.1 ft.lb 70 % 29 % 455 rpm	Moment of inertia (J) Duty cycle Insulation class Service factor Temperature rise Design		: 1.03 sq.ft.lb : Cont.(S1) : F : 1.15 : 80 K : B	
Heating constant Cooling constant						
Rev.	·	Changes Summary		Performed	Checked	Date
Performed by						
Checked by		_			Page	Revision
Date	13/04/2022				10 / 16	



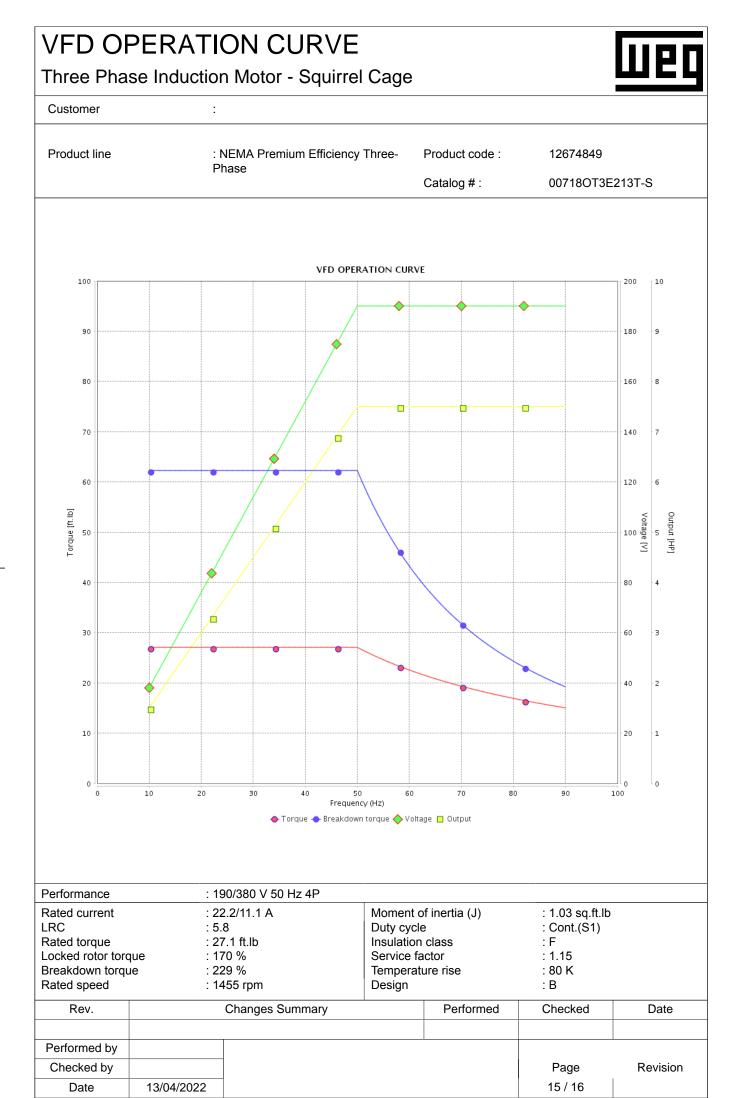
THERMAL LIMIT CURVE Three Phase Induction Motor - Squirrel Cage				
Customer	:			
Product line	: NEMA Premium Efficiency Three- Phase	Product code :	12674849	
		Catalog # :	00718OT3E213T-S	

Deufeure						
Performance		: 220/415 V 50 Hz 4P				
Rated current		: 20.0/10.6 A	.0/10.6 A Moment of inertia (J)		: 1.03 sq.ft.lb	
LRC		: 6.5	Duty cycle		: Cont.(S1)	
Rated torque		: 27.0 ft.lb	Insulation class		: F	
Locked rotor torq	Locked rotor torque : 190 % Service factor		: 1.15			
Breakdown torqu	ie	: 250 %	Temperature rise		: 80 K	
Rated speed		: 1460 rpm	Design	Design		
Heating constant	t					
Cooling constant	:					
Rev.	Rev. Changes Summary			Performed	Checked	Date
<b>.</b>						
Performed by						
Checked by					Page	Revision
Date	13/04/2022	2			12/16	
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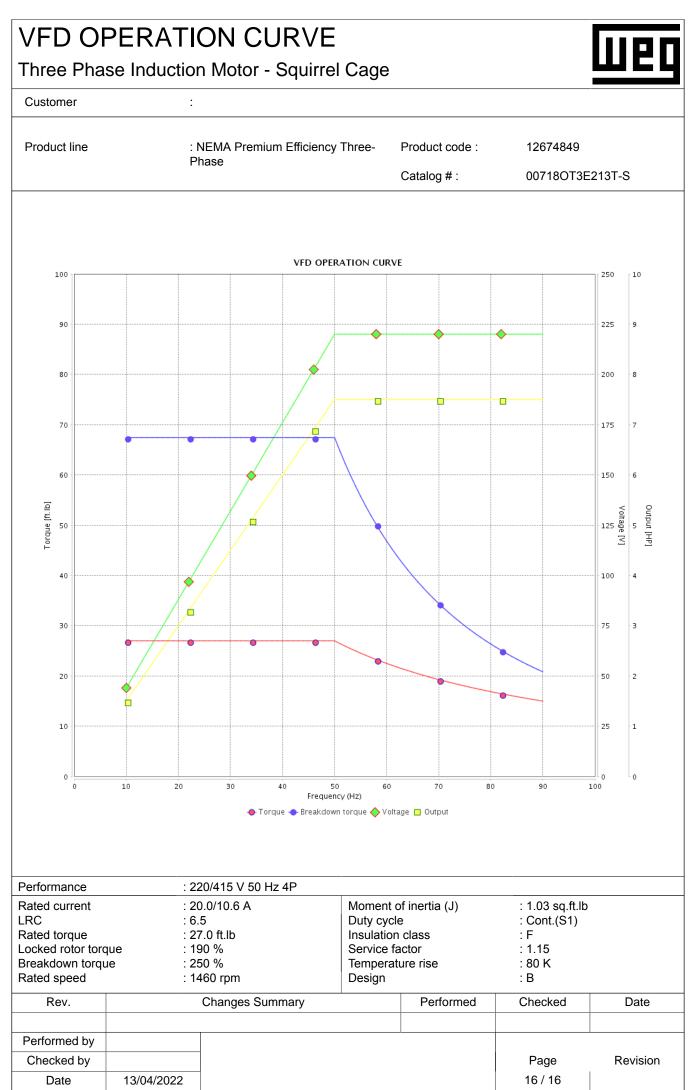




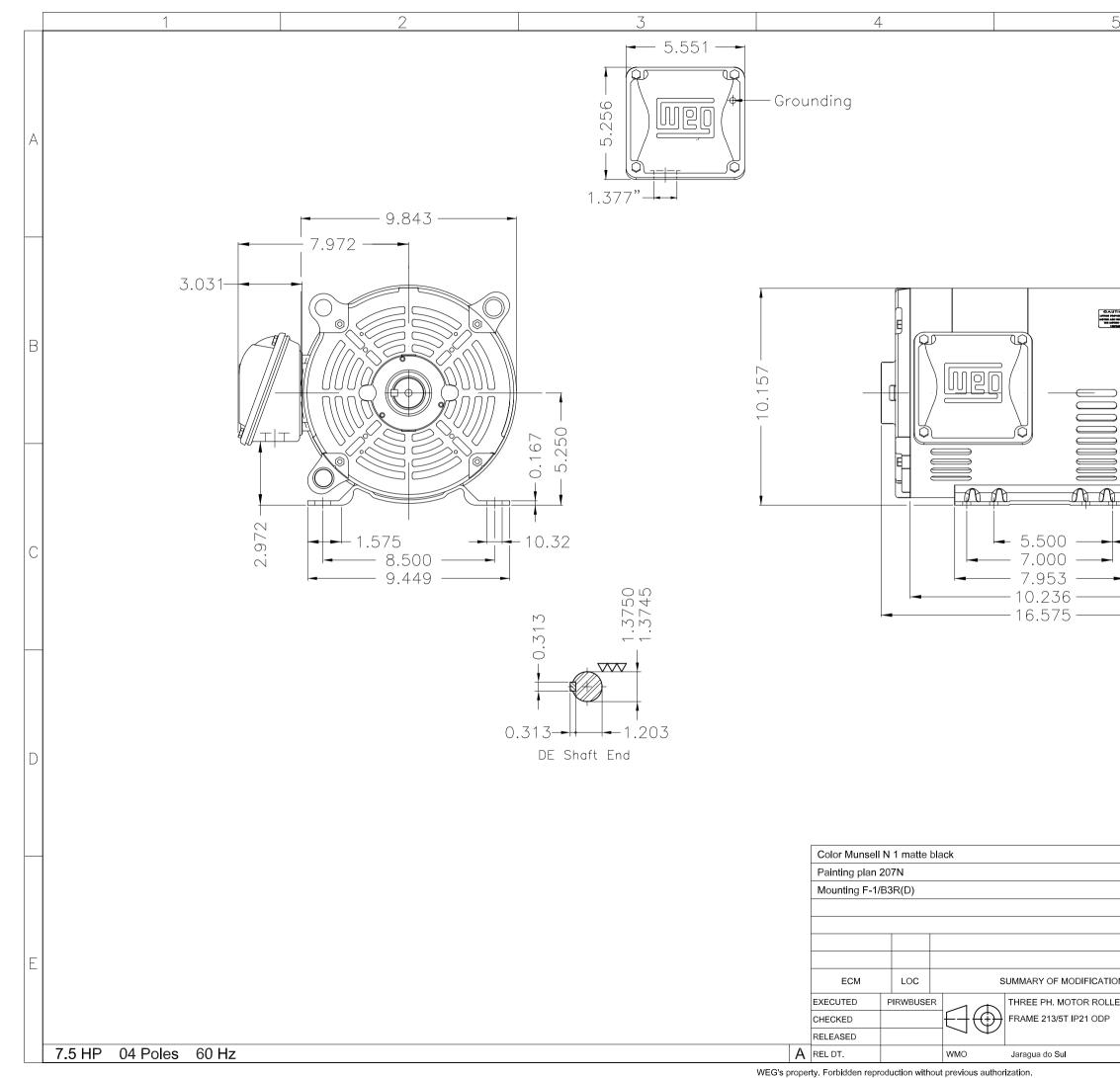
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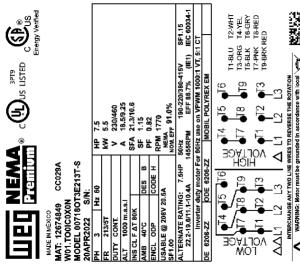
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0		6		
	2.480			Dimensions in inches
IONS EX	ECUTED CHECKED	RELEASED	DATE	VER
LED STEEL PREM. EFF.				
D	PREVIE	=VV		A3
	WDD		Шес	
Product Engi	ineering SHEET	1 / 1		XME



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

