# DATA SHEET

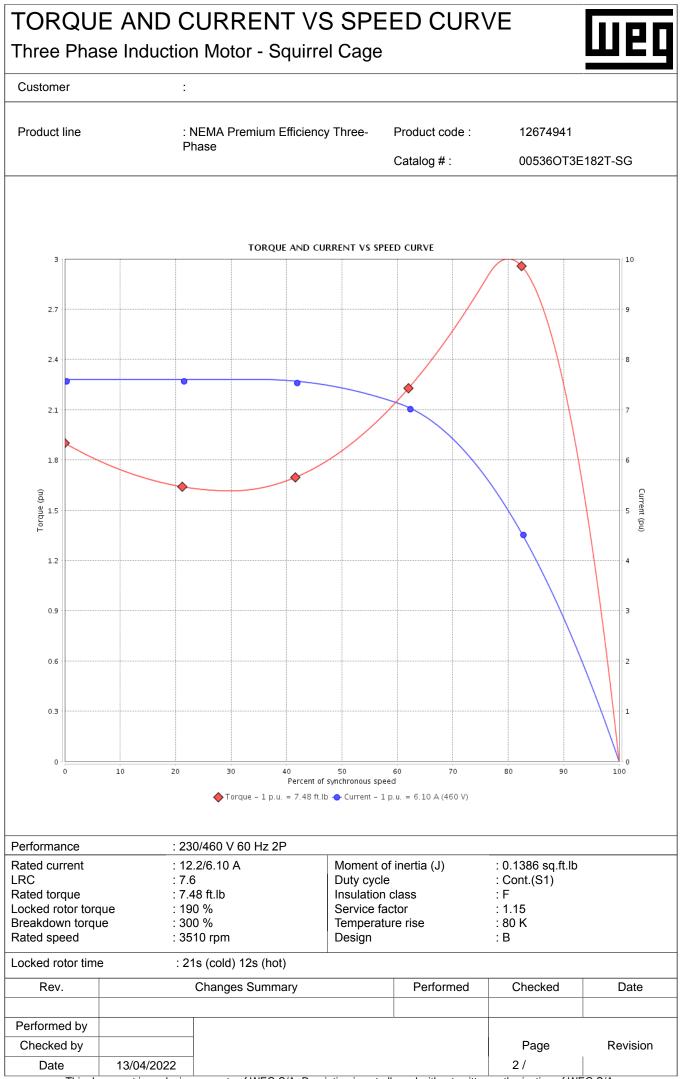
Three Phase Induction Motor - Squirrel Cage

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#### Customer

Product line		: NEMA Premium Efficiency T Phase	hree- Product code :	12674941	
			Catalog # :	00536OT3E182T-SG	
Insulation class: FMourDuty cycle: Cont.(S1)RotaAmbient temperature: -20°C to +40°CStartAltitude: 1000 m.a.s.l.Approx		Cooling method Mounting Rotation <sup>1</sup> Starting method Approx. weight <sup>3</sup>	: IC01 - ODP : F-1 : Both (CW and CCW) : Direct On Line : 55.1 lb		
		Moment of inertia (J)	: 0.1386 sq.ft.lb		
Output [HP] Poles		5	5	5 2	
Frequency [Hz]		60	50 50		
Rated voltage [V]		230/460	190/380	220/415	
Rated current [A]		12.2/6.10	14.7/7.37	13.2/7.01	
L. R. Amperes [A]		92.7/46.4	85.5/42.7	86.0/45.6	
LRC [A]	1	7.6x(Code J)	5.8x(Code G)	6.5x(Code H)	
No load current [A		5.15/2.58	5.05/2.53	5.33/2.83	
Rated speed [RPN	vij	3510	2885	2900	
Slip [%]	1	2.50	3.83	3.33	
Rated torque [ft.lb		7.48	9.10	9.05	
Locked rotor torqu		190	150	170	
Breakdown torque	e [%]	300	220	250	
Service factor		1.15	1.00	1.00	
Temperature rise		80 K	105 K	80 K	
Locked rotor time		21s (cold) 12s (hot)	0s (cold) 0s (hot)	0s (cold) 0s (hot)	
Noise level <sup>2</sup>	050/	65.0 dB(A)	63.0 dB(A)	63.0 dB(A)	
	25%	85.2	88.3	87.1	
Efficiency (%)	50%	85.5	86.5	86.0	
	75%	86.5	86.0	86.2	
	100%	86.5	83.8	84.7	
	25%	0.45	0.51	0.47	
Power Factor	50%	0.73	0.79	0.75	
	75%	0.83	0.88	0.85	
	100%	0.88	0.91	0.90	
Bearing type Sealing Lubrication inter Lubricant amour Lubricant type		Drive end       Non drive end         6206 ZZ       6205 ZZ         Without       Without         Bearing Seal       Bearing Seal         -       -         -       -         Mobil Polyrex EM	Foundation loads Max. traction Max. compression	: 117 lb : 172 lb	
Notes USABLE @208V	/ 13.5A SF 1.	00 SFA 13.5A			
This series to the series		cel the previous one, which		based on tests with sinusoidal ne tolerances stipulated in NEMA	
must be eliminate (1) Looking the m (2) Measured at 1	Im and with to weight subjec ocess.	shaft end. olerance of +3dB(A). t to changes after			
must be eliminate (1) Looking the m (2) Measured at 1 (3) Approximate v manufacturing pro-	Im and with to weight subjec ocess.	olerance of +3dB(A).	Performed	Checked Date	
must be eliminate (1) Looking the m (2) Measured at 7 (3) Approximate v manufacturing pr (4) At 100% of ful Rev.	Im and with to weight subjec ocess.	olerance of +3dB(A). It to changes after		Checked Date	
must be eliminate (1) Looking the m (2) Measured at 1 (3) Approximate w manufacturing pro (4) At 100% of ful Rev.	Im and with to weight subjec ocess.	olerance of +3dB(A). It to changes after			
must be eliminate (1) Looking the m (2) Measured at 7 (3) Approximate v manufacturing pr (4) At 100% of ful Rev.	Im and with to weight subjec ocess.	olerance of +3dB(A). It to changes after		Checked Date Page Revision	



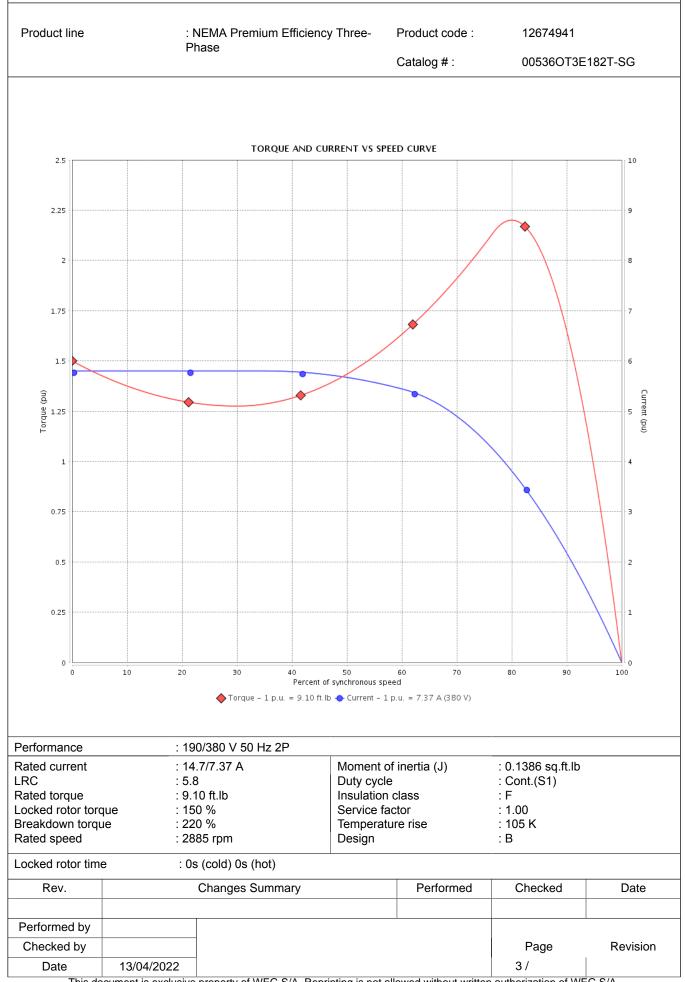
### TORQUE AND CURRENT VS SPEED CURVE

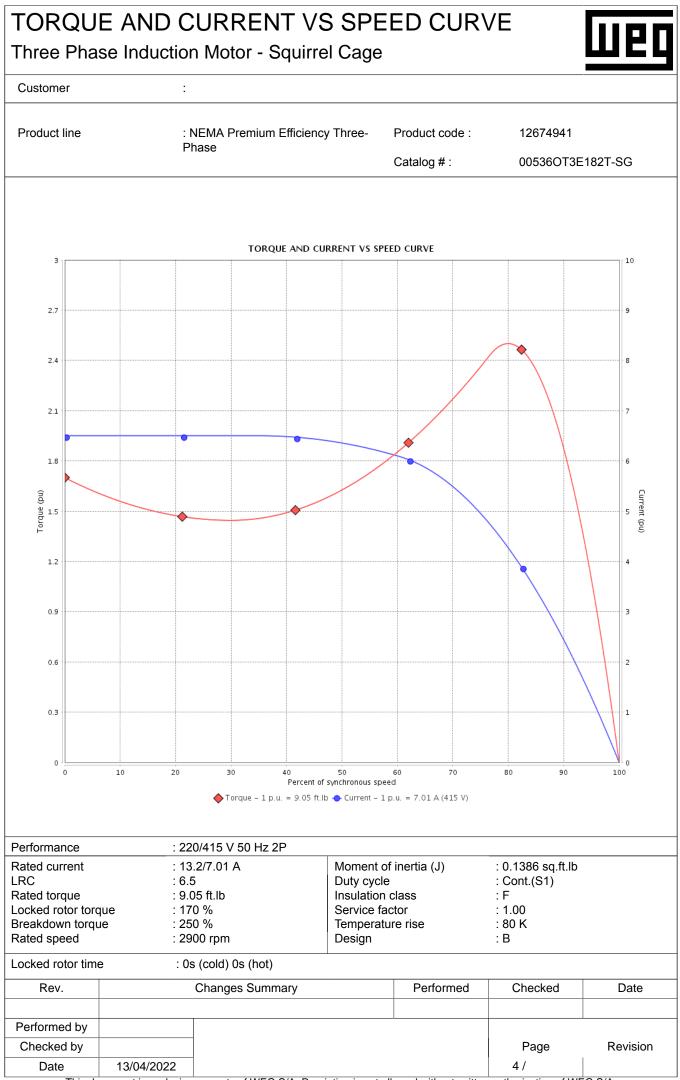
Three Phase Induction Motor - Squirrel Cage

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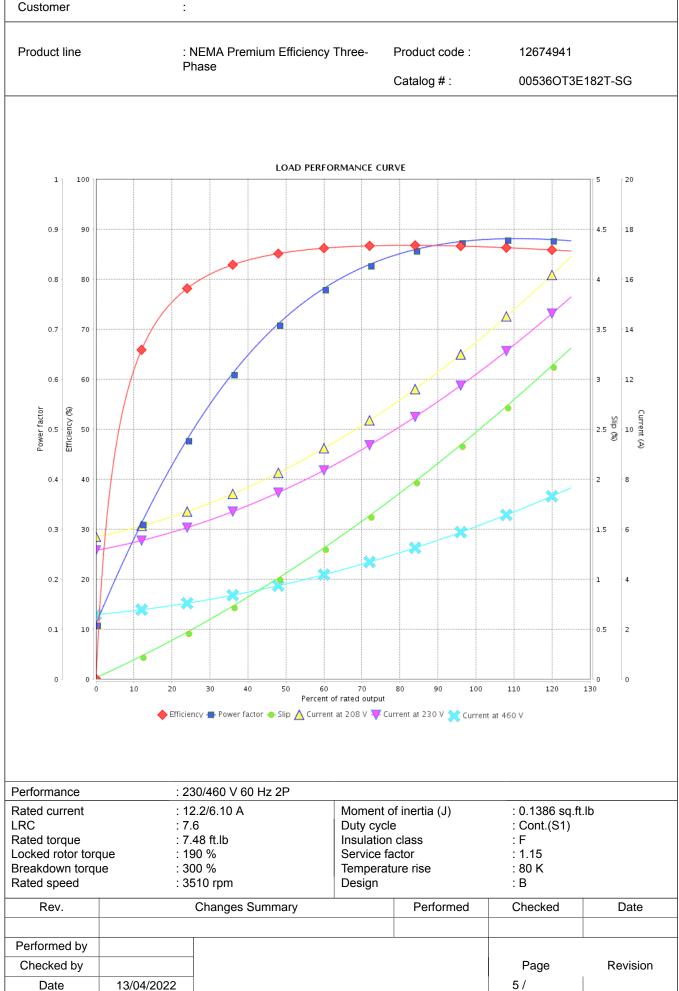




# LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage

#### Customer



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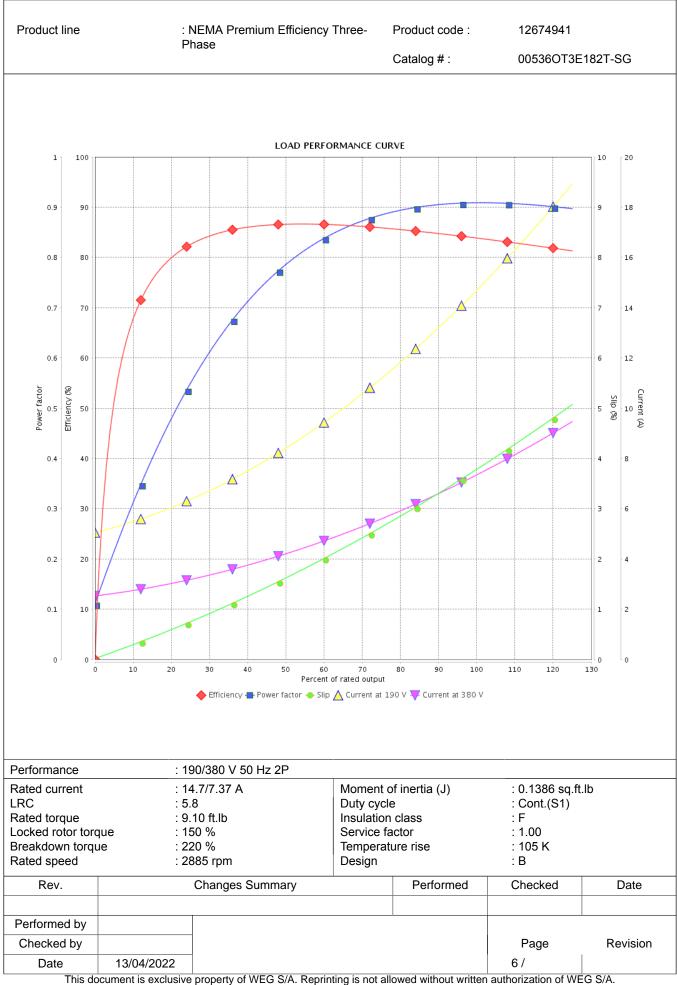
## LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage

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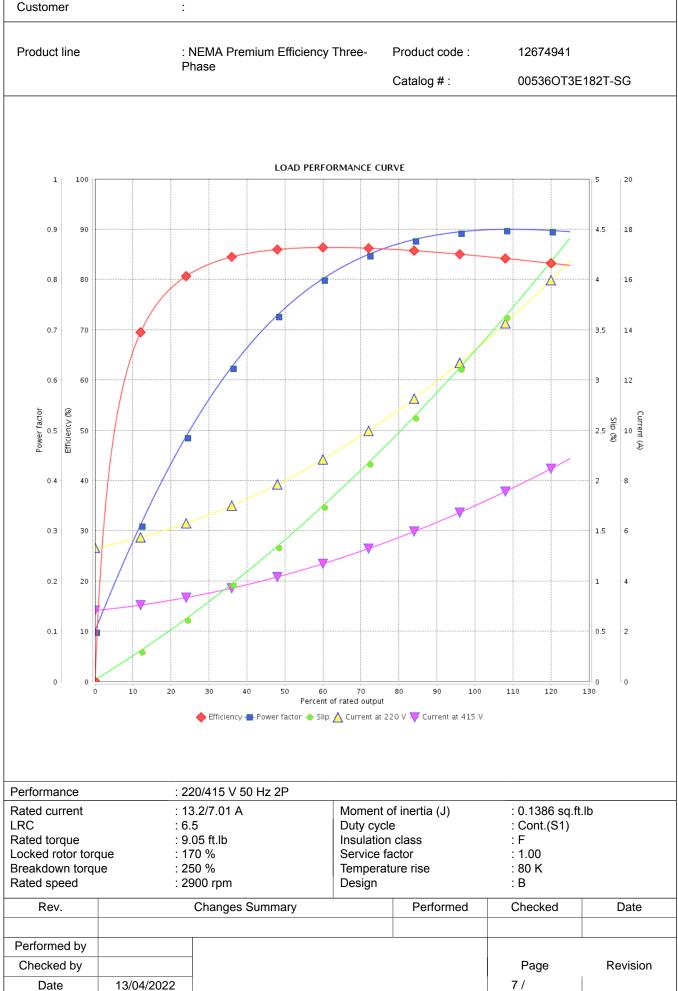
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# LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage

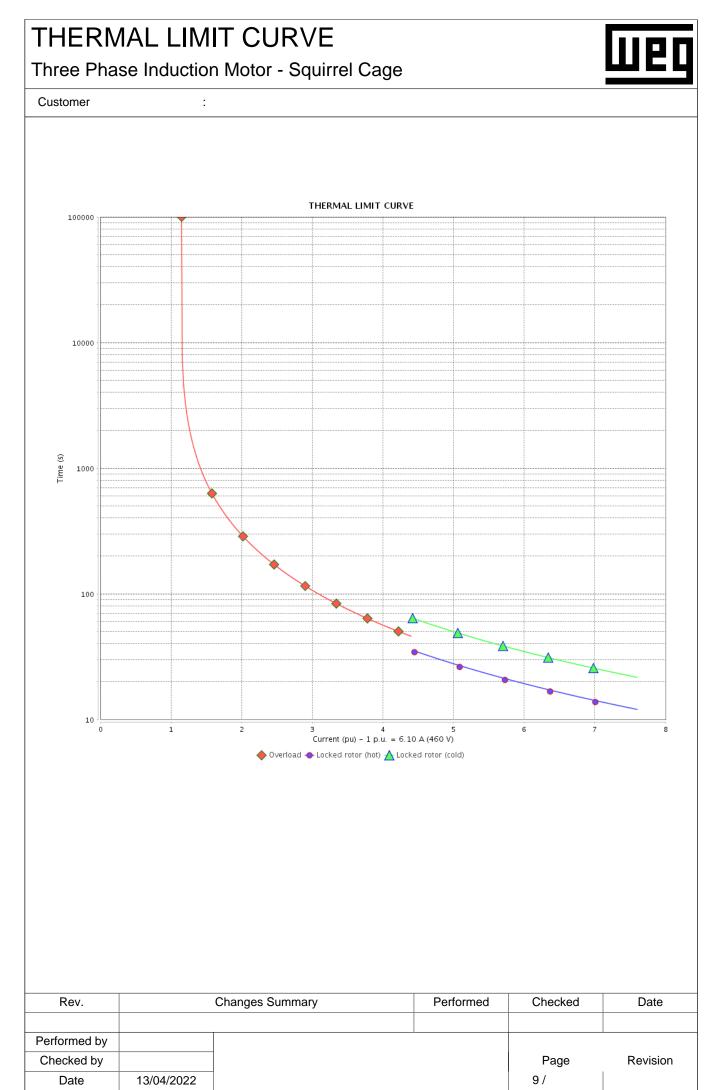
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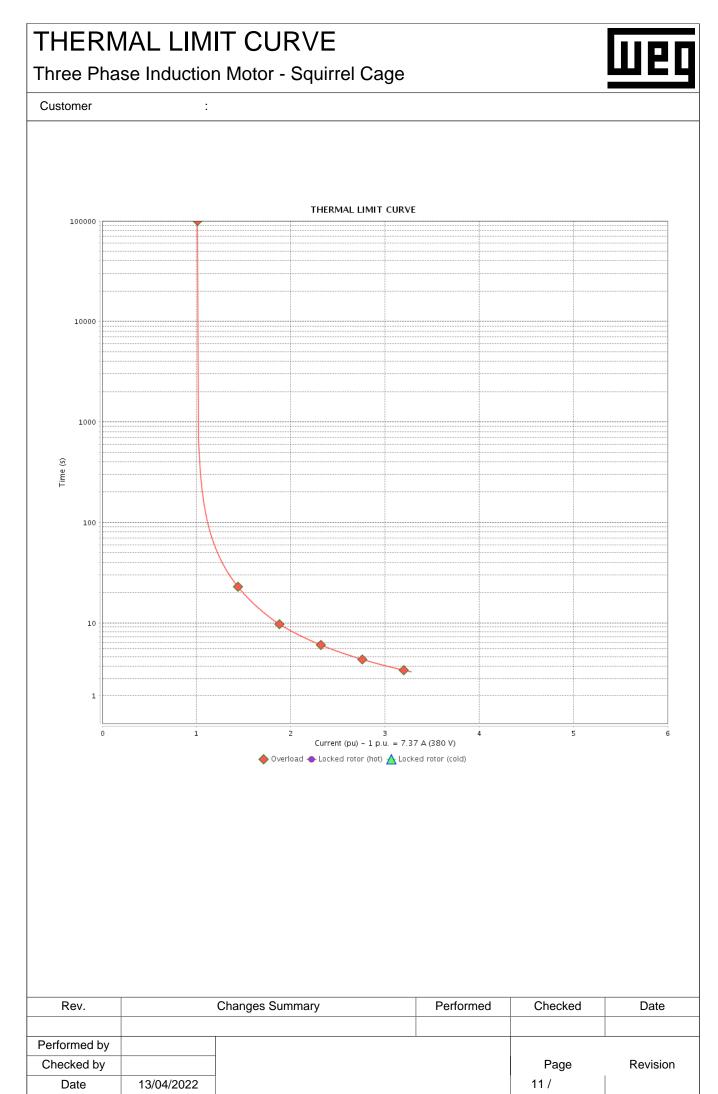
THERMAL LIMIT CURVE Three Phase Induction Motor - Squirrel Cage						
Customer	:					
Product line	: NEMA Premium Efficiency Three- Phase	Product code :	12674941			
	- Habe	Catalog # :	00536OT3E182T-SG			

Performance		: 230/460 V 60 Hz 2P				
LRC: 7.6DutRated torque: 7.48 ft.lbInsuLocked rotor torque: 190 %SerBreakdown torque: 300 %Terr		Moment of inertia (J) Duty cycle Insulation class Service factor Temperature rise Design		: 0.1386 sq.ft.lb : Cont.(S1) : F : 1.15 : 80 K : B		
Heating constant						
Cooling constant	t					
Rev.		Changes Summary		Performed	Checked	Date
Performed by						·
Checked by					Page	Revision
Date	13/04/2022	2			8 /	
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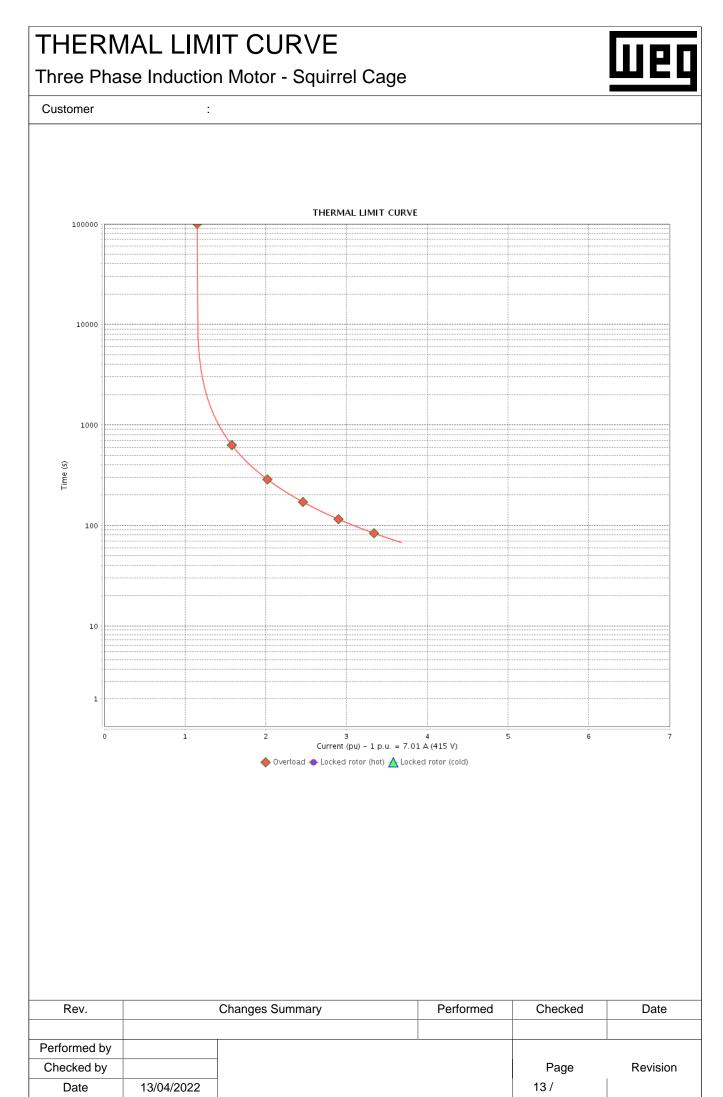
THERMAL LIMIT CURVE						
Three Phase Induction Motor - Squirrel Cage						
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Product line	: NEMA Premium Efficiency Three- Phase	Product code :	12674941			
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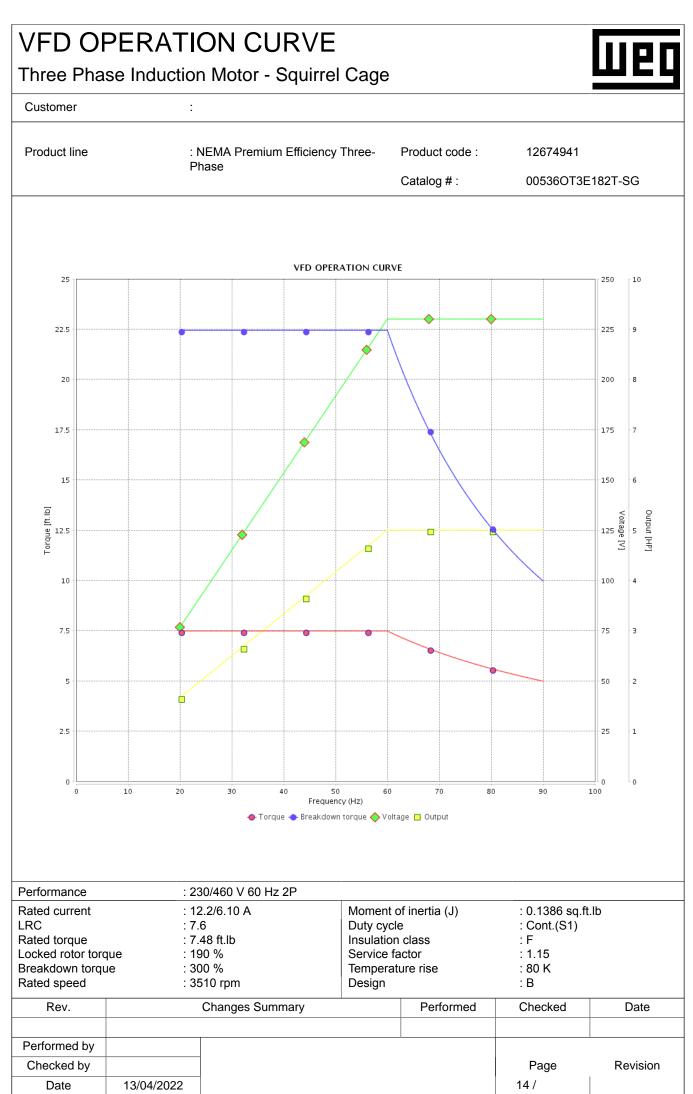
Performance		: 190/380 V 50 Hz 2P					
Rated current: 14LRC: 55Rated torque: 99Locked rotor torque: 14Breakdown torque: 22		: 14.7/7.37 A : 5.8 : 9.10 ft.lb : 150 % : 220 % : 2885 rpm	Duty cycl Insulation Service fa	Moment of inertia (J) Duty cycle Insulation class Service factor Temperature rise Design		: 0.1386 sq.ft.lb : Cont.(S1) : F : 1.00 : 105 K : B	
Heating constant Cooling constant							
Rev.		Changes Summary		Performed	Checked	Date	
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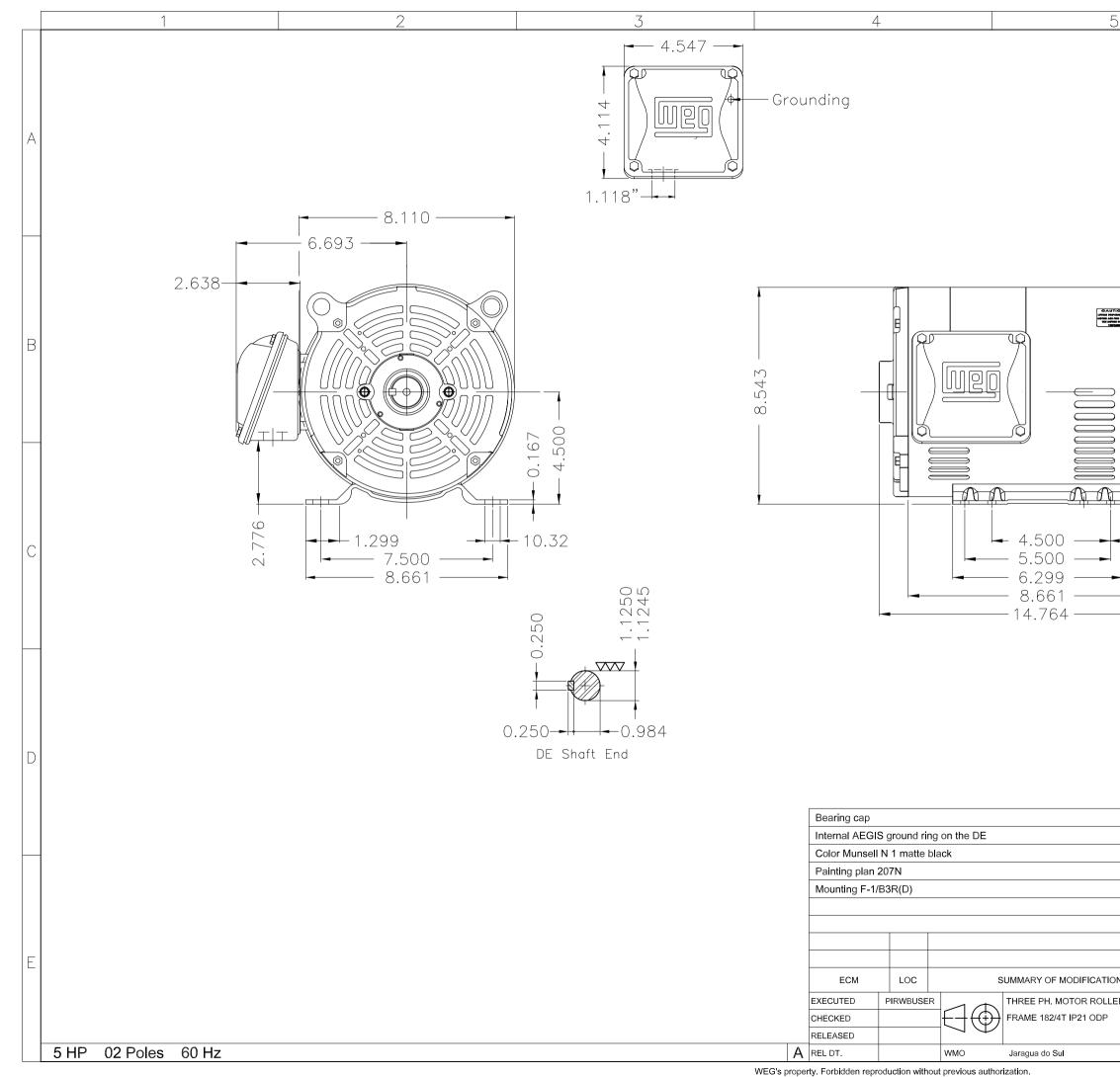
THERMAL LIMIT CURVE						
Three Phase Ir	nduction Motor - Squirrel Cage	9				
Customer	:					
Product line	: NEMA Premium Efficiency Three- Phase	Product code :	12674941			
	FlidSe	Catalog # :	00536OT3E182T-SG			

Performance	: 2	220/415 V 50 Hz 2P				
Rated current: 13.2/7.01 ALRC: 6.5Rated torque: 9.05 ft.lbLocked rotor torque: 170 %Breakdown torque: 250 %Rated speed: 2900 rpm		Moment of inertia (J) Duty cycle Insulation class Service factor Temperature rise Design		: 0.1386 sq.ft.lb : Cont.(S1) : F : 1.00 : 80 K : B		
Heating constant Cooling constant						
Rev. Changes Summary		Changes Summary		Performed	Checked	Date
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Checked by					Page	Revision
Date	13/04/2022				12 /	

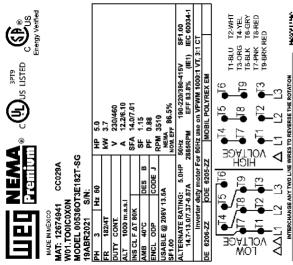




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		- 1.969			Dimensions in inches
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LED STEEL PREM. E				DATE	
•		PREVI		Ше	A3
Produc	t Engineering	WDD SHEET	1 / 1		XME
Produc			· / '		×



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



WARNING: Motor must be grounded in accordance with local