DATA SHEET

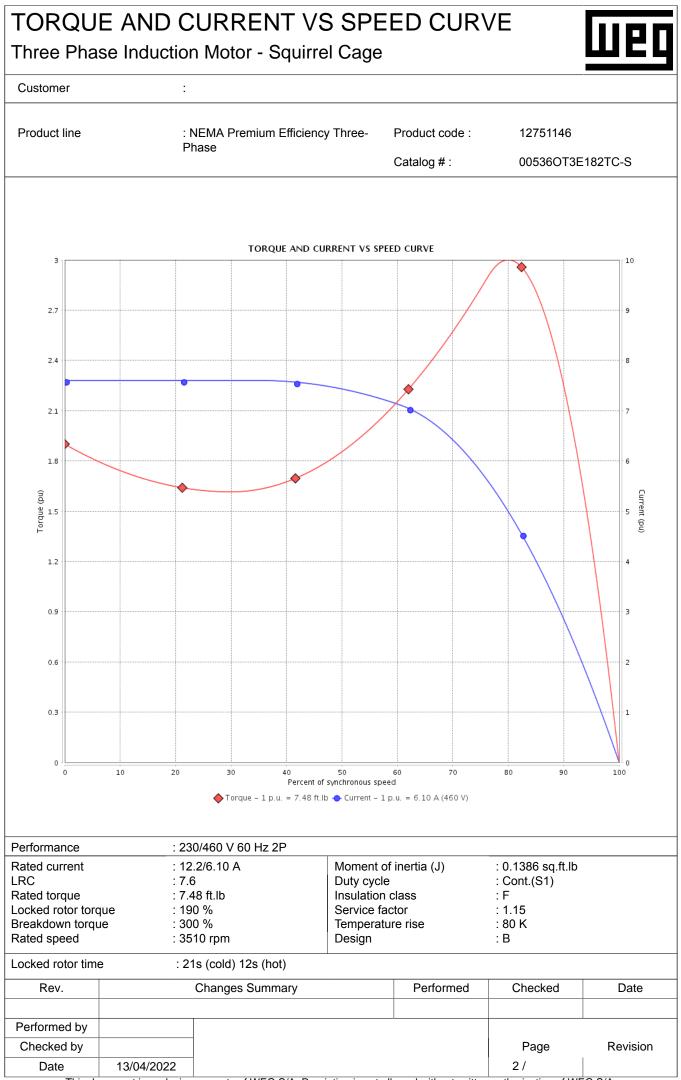
Three Phase Induction Motor - Squirrel Cage

:



Customer

		Phase						
		Thase		Catalog # :	00536OT3E	E182TC-S		
Frame		: 182/4TC	Cooling	method	: IC01 - OD	P		
Insulation class		: F	Mountin		: F-1			
Duty cycle		: Cont.(S1)	Rotation		: Both (CW	: Both (CW and CCW)		
Ambient tempera	ature	: -20°C to +40°C	Starting	method	: Direct On	,		
Altitude		: 1000 m.a.s.l.	Approx.		: 66.3 lb			
Design		: B		of inertia (J)	: 0.1386 sq.	.ft.lb		
Output [HP]		5		5		5		
Poles		2		2		2		
Frequency [Hz]		60		50		50		
Rated voltage [V]		230/460		190/380	2'	20/415		
Rated current [A]		12.2/6.10		14.7/7.37		3.2/7.01		
L. R. Amperes [A]		92.7/46.4		85.5/42.7		6.0/45.6		
LRC [A]		7.6x(Code J)	E	5.8x(Code G)		(Code H)		
No load current [A	1	5.15/2.58		5.05/2.53		33/2.83		
		3510		2885		2900		
Rated speed [RPN	/J	2.50		3.83		3.33		
Slip [%] Batad targua [ft lb]								
Rated torque [ft.lb		7.48		9.10		9.05		
Locked rotor torqu		190		150		170		
Breakdown torque	[%]	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)		(cold) 0s (hot)		ld) 0s (hot)		
Noise level ²	0.50/	65.0 dB(A)		63.0 dB(A)		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		
		Drive end Non drive	<u>e end</u> Foundati	on loads				
Bearing type		: 6206 ZZ 6205	ZZ Max. trac	ction	: 111 lb			
Sealing		: Without Witho	out Max. cor	Max. compression		: 177 lb		
ũ		Bearing Seal Bearing						
Lubrication interv	val	:						
Lubricant amoun	it	:						
Lubricant type		: Mobil Polyrex EM						
Notes		~						
	' 13.5A SF 1.0	00 854 12 54						
50, DLL @200V		UU SFA 13.5A						
This revision replamust be eliminate (1) Looking the m (2) Measured at 1	ed. notor from the 1m and with to	ncel the previous one, whic e shaft end. olerance of +3dB(A).		e average values pply, subject to th				
This revision replamust be eliminate (1) Looking the m (2) Measured at 1 (3) Approximate w manufacturing pro (4) At 100% of ful	ed. notor from the 1m and with to weight subject ocess.	ncel the previous one, whic e shaft end. olerance of +3dB(A). et to changes after	power su	ipply, subject to th	e tolerances stipu	ulated in NEMA		
This revision repla must be eliminate (1) Looking the m (2) Measured at 1 (3) Approximate v manufacturing pro	ed. notor from the 1m and with to weight subject ocess.	ncel the previous one, whic e shaft end. olerance of +3dB(A).	power su					
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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	ed. notor from the 1m and with to weight subject ocess.	ncel the previous one, whic e shaft end. olerance of +3dB(A). et to changes after	power su	ipply, subject to th	e tolerances stipu Checked	ulated in NEMA		
This revision replamust be eliminate (1) Looking the m (2) Measured at 1 (3) Approximate w manufacturing pro (4) At 100% of ful Rev.	ed. notor from the 1m and with to weight subject ocess.	ncel the previous one, whic e shaft end. olerance of +3dB(A). et to changes after	power su	ipply, subject to th	e tolerances stipu	ulated in NEMA		



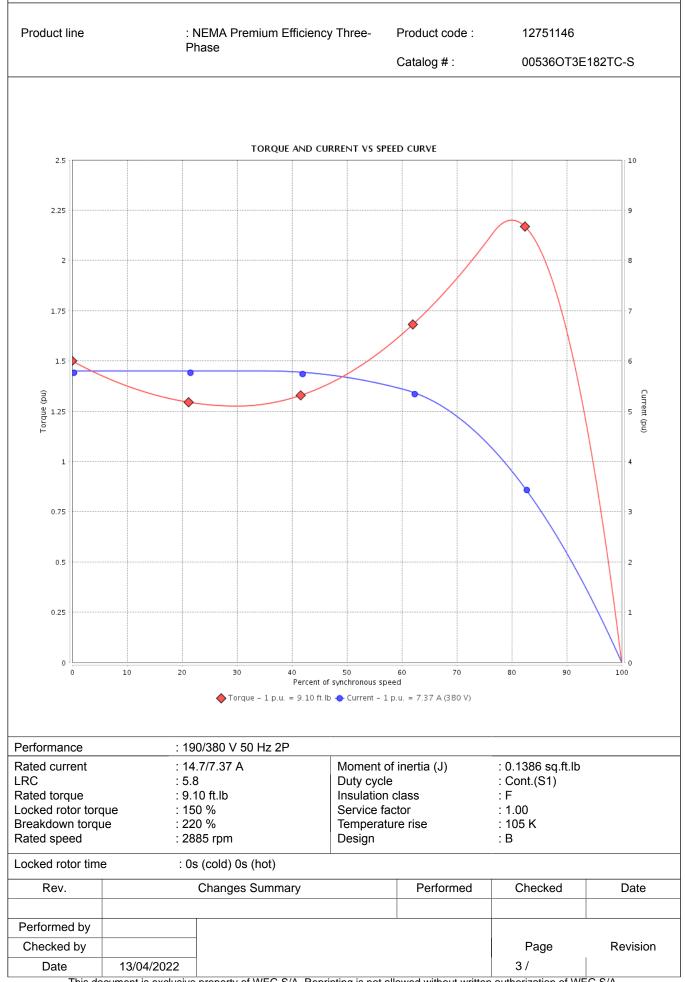
TORQUE AND CURRENT VS SPEED CURVE

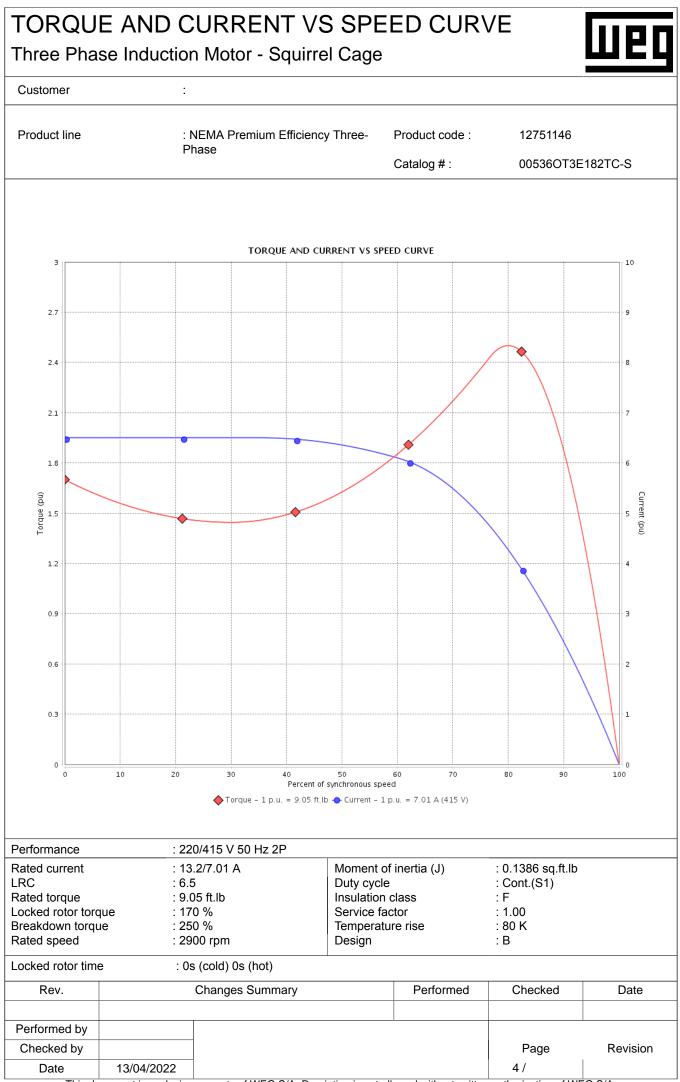
Three Phase Induction Motor - Squirrel Cage

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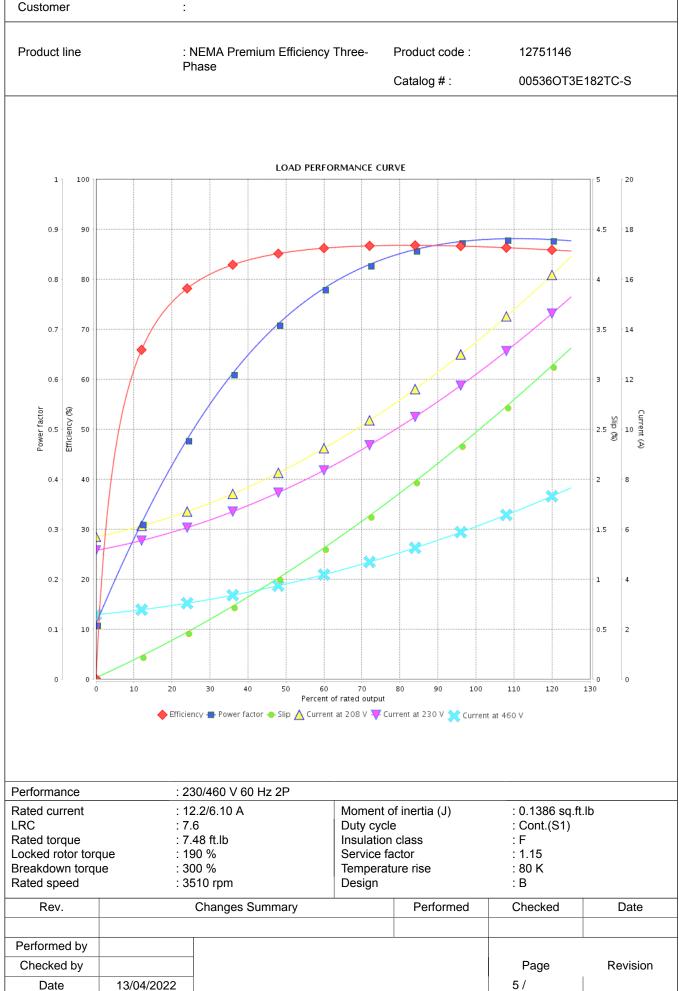




LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage

Customer



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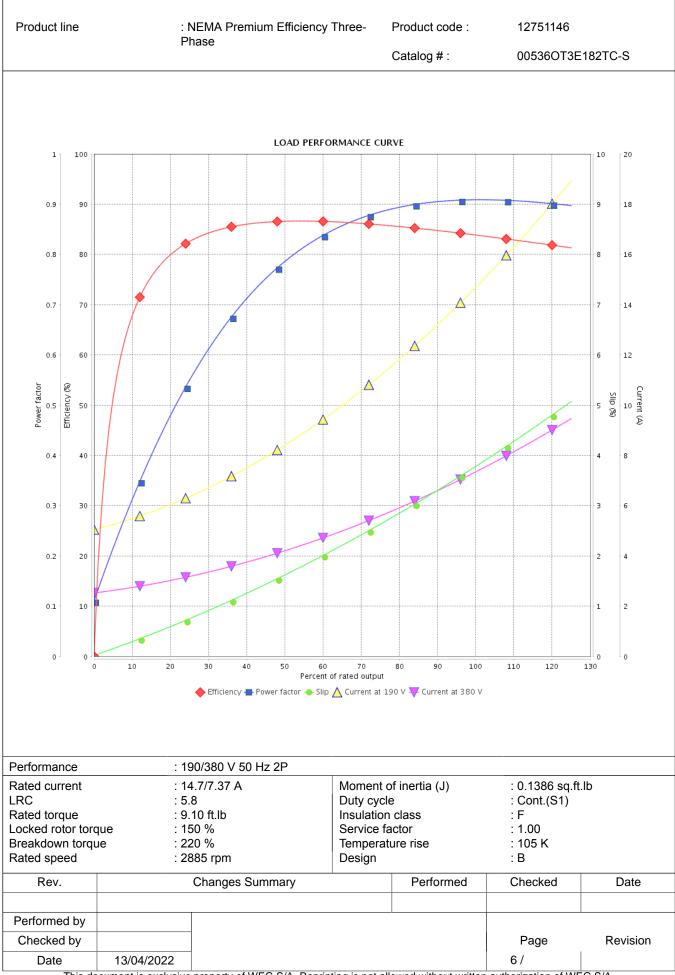
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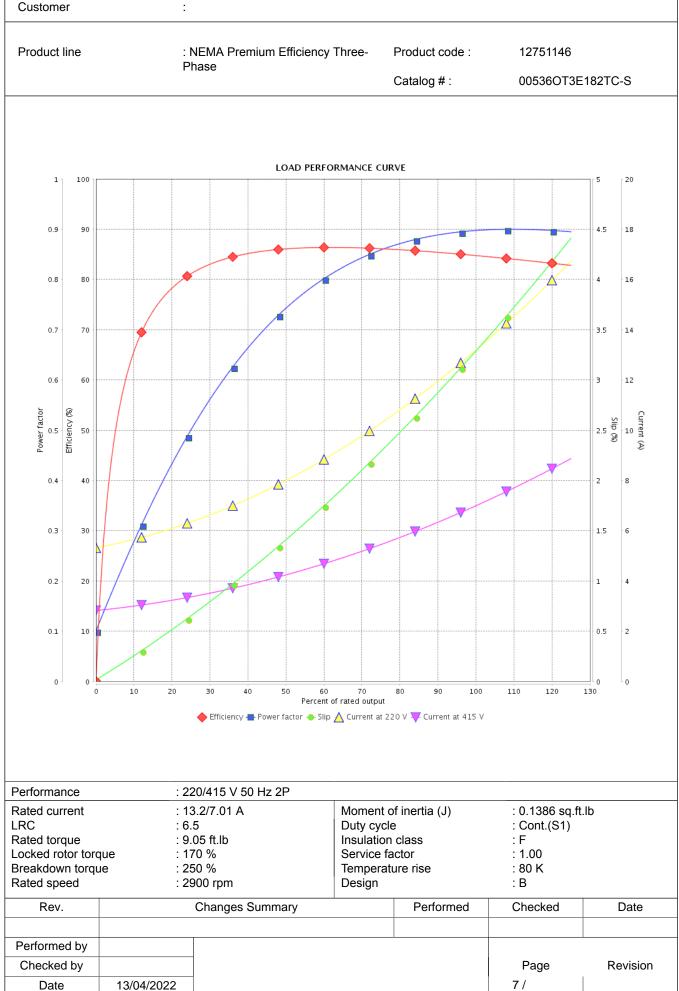
Customer



LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage

Customer



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THERMAL	LIMIT CURVE		шес
Three Phase Ind	uction Motor - Squirrel Cage	;	шсі
Customer	:		
Product line	: NEMA Premium Efficiency Three- Phase	Product code :	12751146
		Catalog # :	00536OT3E182TC-S

Heating constant	
Cooling constant	

Locked rotor torque

Breakdown torque

Performance

Rated current

Rated torque

Rated speed

LRC

iouting conotain					
Cooling constant	t				
Rev.		Changes Summary	Performed	Checked	Date
Performed by					
Checked by				Page	Revision
Date	13/04/2022			8 /	

: 230/460 V 60 Hz 2P

: 12.2/6.10 A

: 7.48 ft.lb

: 3510 rpm

: 190 %

: 300 %

: 7.6

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Moment of inertia (J)

Duty cycle Insulation class

Design

Service factor

Temperature rise

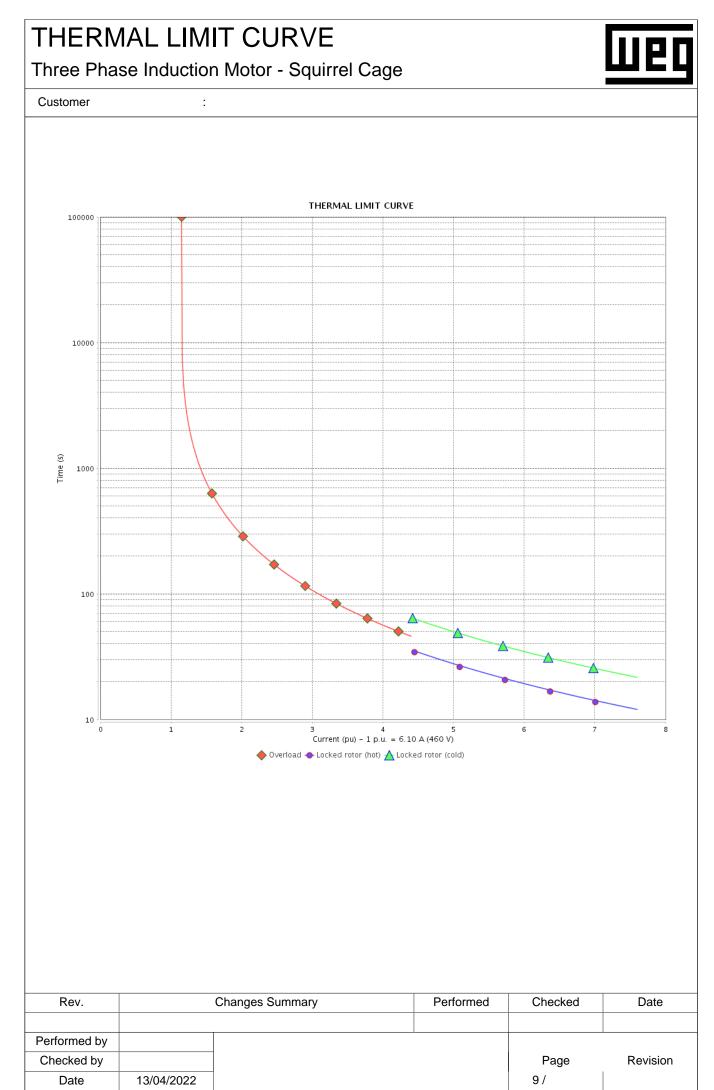
: 0.1386 sq.ft.lb : Cont.(S1)

: F

: B

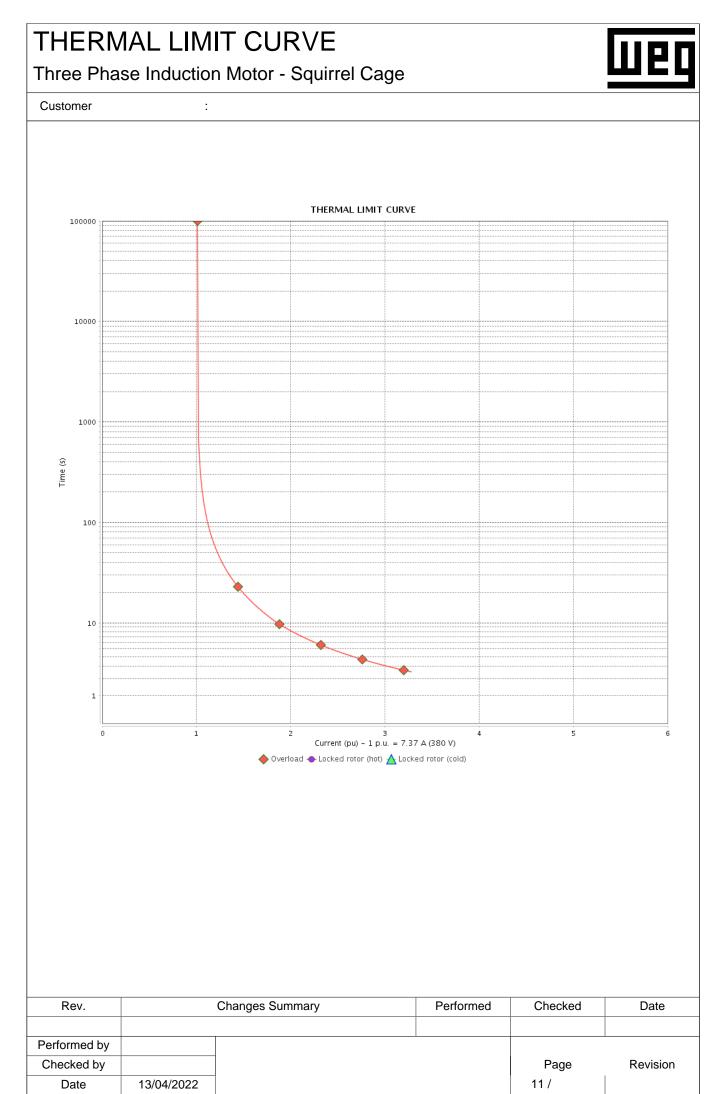
: 1.15

: 80 K



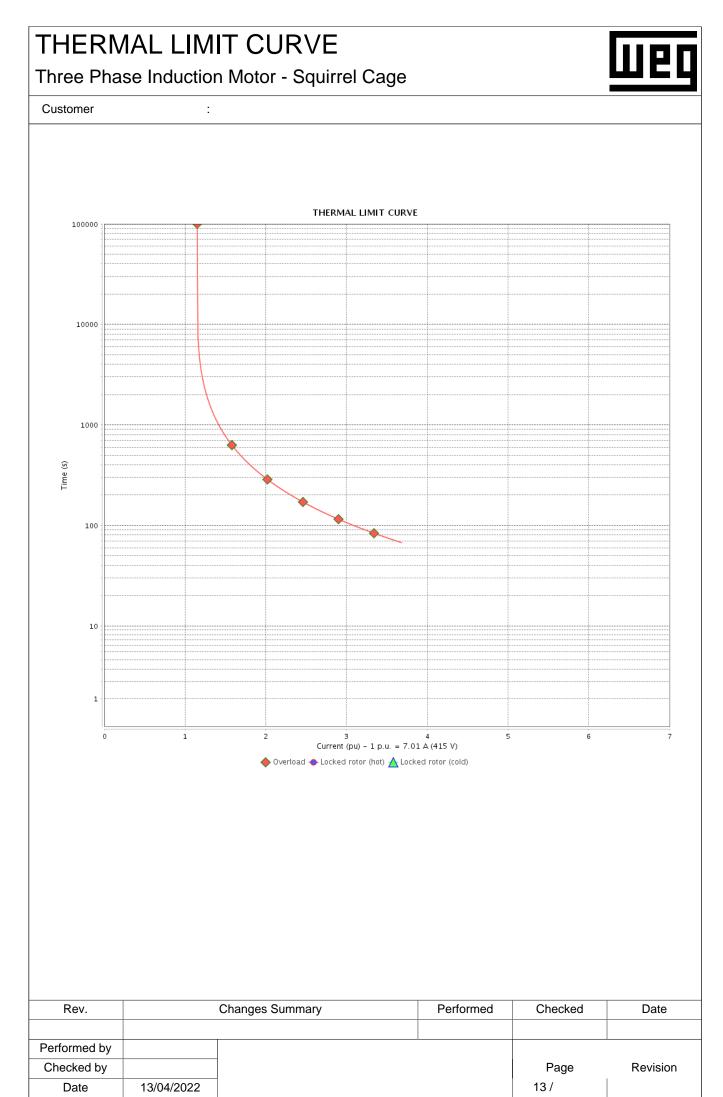
THERMAL LI	MIT CURVE		Шер
Three Phase Induc	tion Motor - Squirrel Cage	9	шсч
Customer	:		
Product line	: NEMA Premium Efficiency Three- Phase	Product code :	12751146
	Flidse	Catalog # :	00536OT3E182TC-S

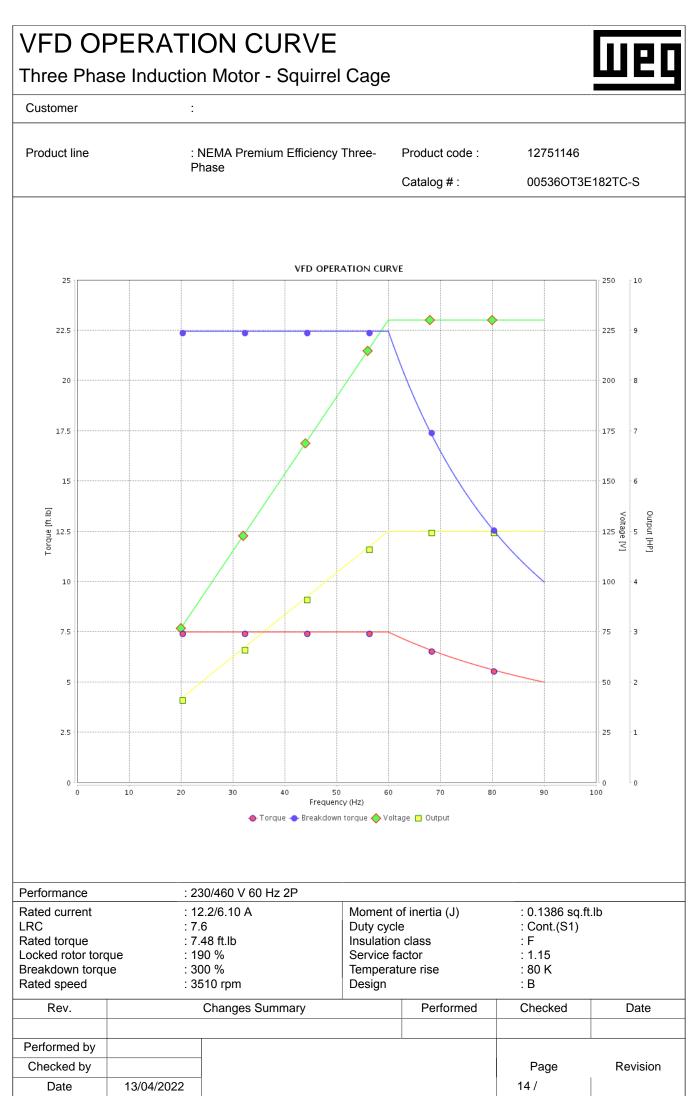
Performance	:	: 190/380 V 50 Hz 2P				
Rated current: 14.7/7.37 ALRC: 5.8Rated torque: 9.10 ft.lbLocked rotor torque: 150 %Breakdown torque: 220 %Rated speed: 2885 rpm		5.8 9.10 ft.lb 150 % 220 %	Moment of inertia (J) Duty cycle Insulation class Service factor Temperature rise Design		: 0.1386 sq.ft. : Cont.(S1) : F : 1.00 : 105 K : B	lb
Heating constant	1					
Cooling constant	Cooling constant					
Rev.		Changes Summary		Performed	Checked	Date
Performed by						
Checked by					Page	Revision
Date	13/04/2022				10 /	
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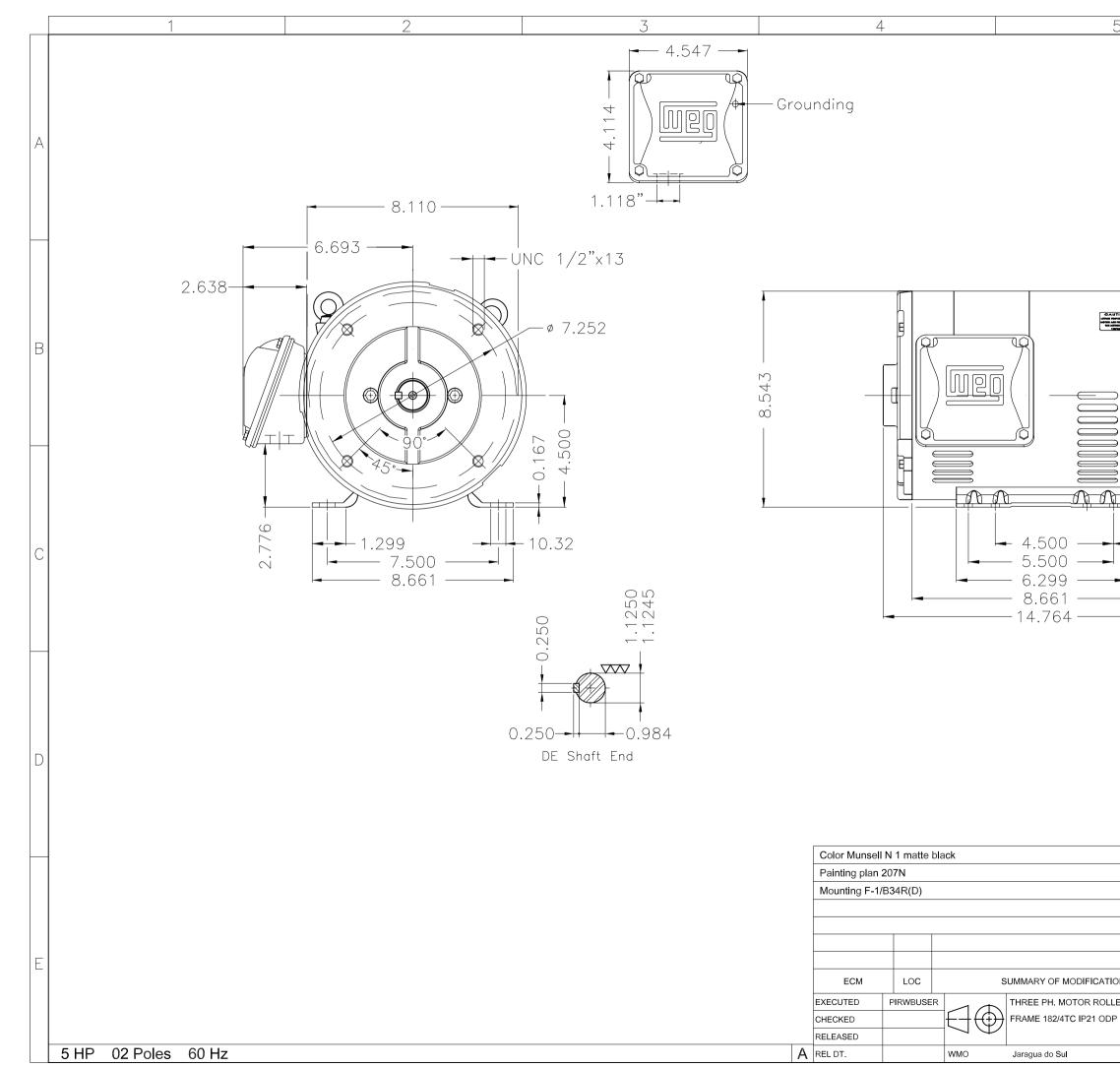
UEQ
2TC-S
2

Performance	: 2	: 220/415 V 50 Hz 2P				
Rated current LRC Rated torque Locked rotor torque Breakdown torque Rated speed		13.2/7.01 A 6.5 9.05 ft.lb 170 % 250 % 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	t					
Rev.	Rev. Changes Summary			Performed	Checked	Date
Performed by						
Checked by					Page	Revision
Date	13/04/2022				12 /	



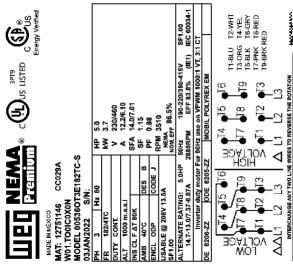


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		 2.620 1.969 50 2.75 				Dimensions in inches
						Dimens
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IONS	EXECUTED			DATE	VER	
P		PREVI WDD		ШВ	9	IE A3
Produc	t Engineering	SHEET	1 / 1			XME



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

