DATA SHEET

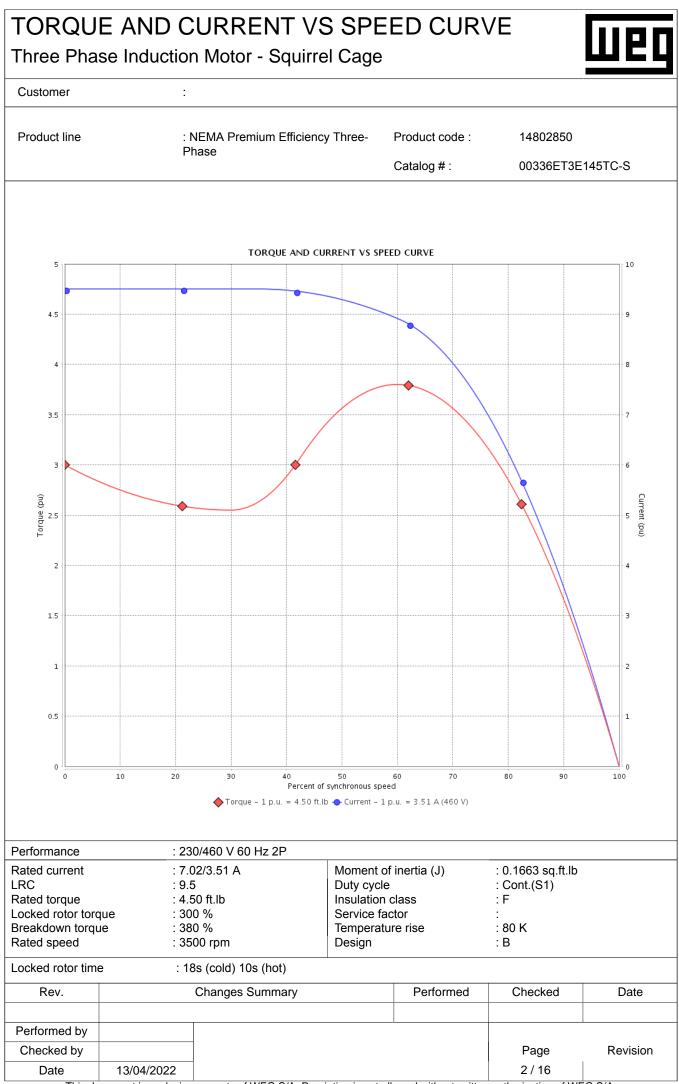
Three Phase Induction Motor - Squirrel Cage

:



Customer

Product line		: NEMA Premi Phase	um Efficiency T	hree-	Product code :	14802850		
		Phase			Catalog # :	00336ET3E145TC-S		
Frame Insulation class Duty cycle Ambient temperature Altitude Protection degree Design		: 143/5TC : 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)		: F-1 : Both (CW ; : Direct On I : 50.3 lb	: Both (CW and CCW) : Direct On Line	
Output [HP]		3			3 3		3	
Poles		2			2		2	
requency [Hz]		6			50		50	
Rated voltage [V]		230/			190/380		20/415	
Rated current [A]		7.02/			8.50/4.25		62/4.04	
. R. Amperes [A]		66.7/			62.9/31.5		.3/33.5	
RC [A]		9.5x(Co	ode K)	7	'.4x(Code H)	8.3x	(Code J)	
lo load current [A		2.56/	1.28		2.52/1.26	2.5	57/1.36	
Rated speed [RPN	/]	350	00		2870	2	2885	
Slip [%]		2.7	78		4.33		3.83	
Rated torque [ft.lb]]	4.5			5.49		5.46	
ocked rotor torqu		30			229		270	
Breakdown torque		38			280		310	
Service factor	r,]		-		1.15		1.15	
Temperature rise		00	ĸ		80 K	80 K		
		80 K		160				
Locked rotor time		18s (cold) 10s (hot)		105	s (cold) 9s (hot)		ld) 9s (hot)	
Noise level ²		68.0 dB(A) 83.6			65.0 dB(A)		0 dB(A)	
	25%				87.9		87.4	
Efficiency (%)	50%	84.0			86.6		86.5	
	75%	86.5			86.4		86.8	
	100%	86.5			84.6		85.5	
	25%	0.5			0.57		0.53	
Power Factor	50%	0.78			0.83		0.80	
FOWER FACIO	75%	0.87			0.90		0.89	
	100%	0.9	91		0.93	0.92		
Bearing type Sealing	-	Drive end : 6205 ZZ : V'Ring		Foundati Max. trac Max. cor		: 122 lb : 172 lb		
Lubrication interv	/al	: -	Bearing Seal -					
Lubricant amoun	t	: -	-					
Lubricant type		: Mobil P	olyrex EM					
Notes USABLE @208V	7.76A SF 1.	00 SFA 7.76A						
This revision repla must be eliminate (1) Looking the m (2) Measured at 1 (3) Approximate w manufacturing pro (4) At 100% of ful	ed. otor from the m and with t veight subjec ocess.	e shaft end. olerance of +3dE	B(A).		e average values upply, subject to the			
Rev.		Changes Su	immary		Performed	Checked	Date	
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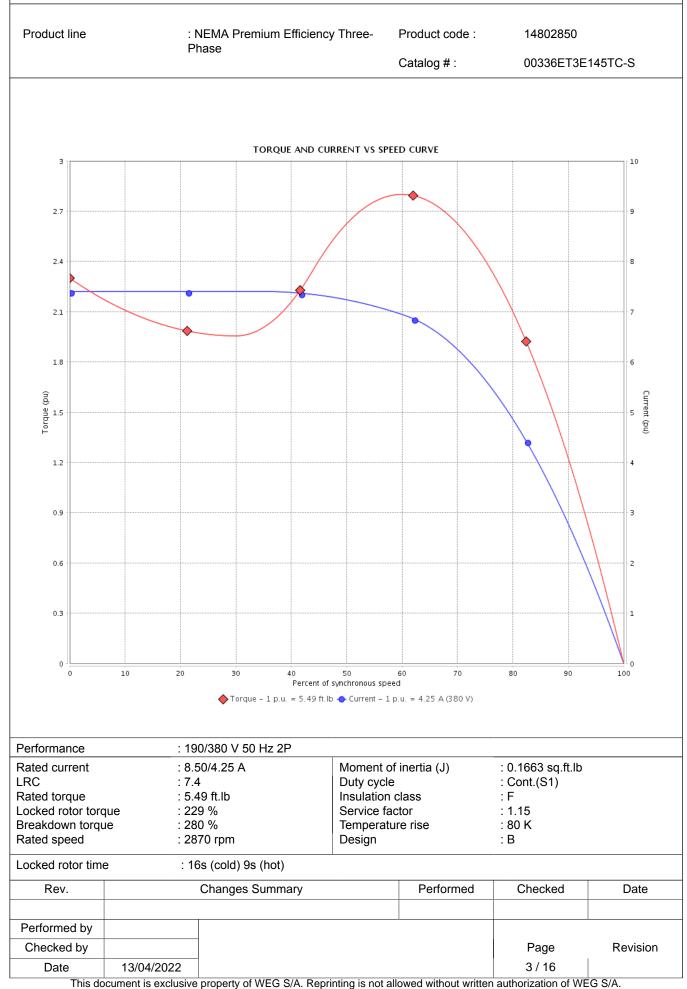
TORQUE AND CURRENT VS SPEED CURVE

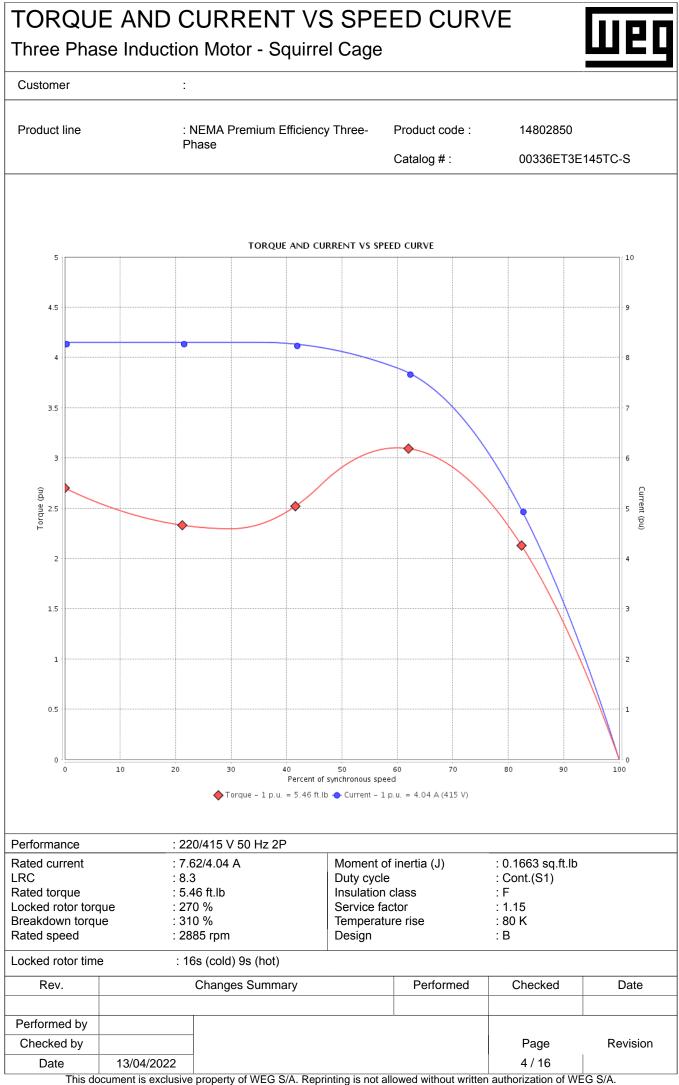
Three Phase Induction Motor - Squirrel Cage

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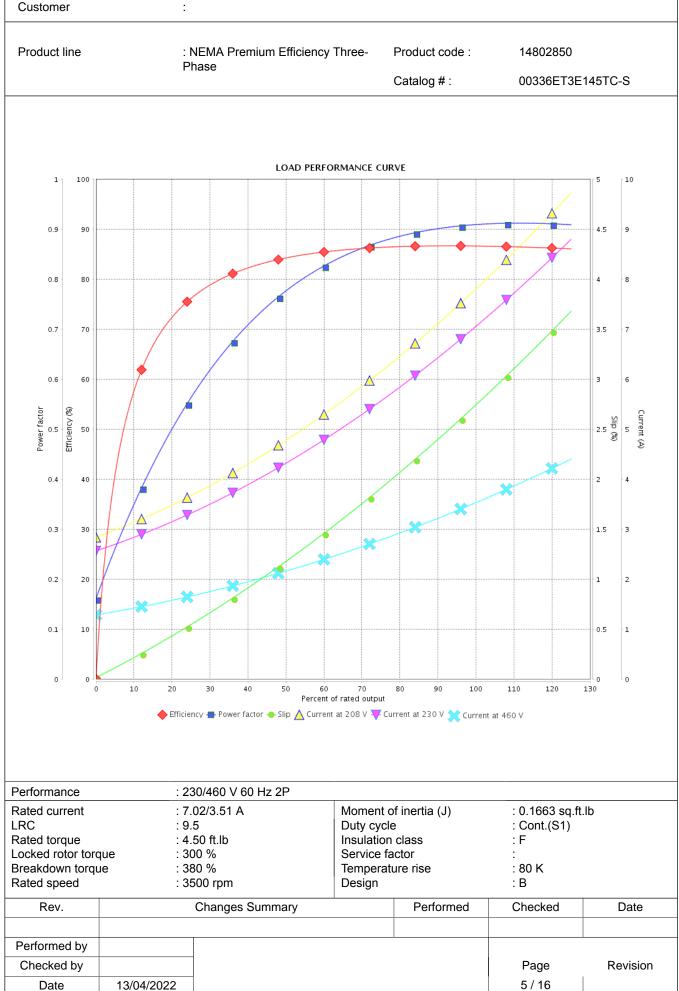




LOAD PERFORMANCE CURVE

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Customer



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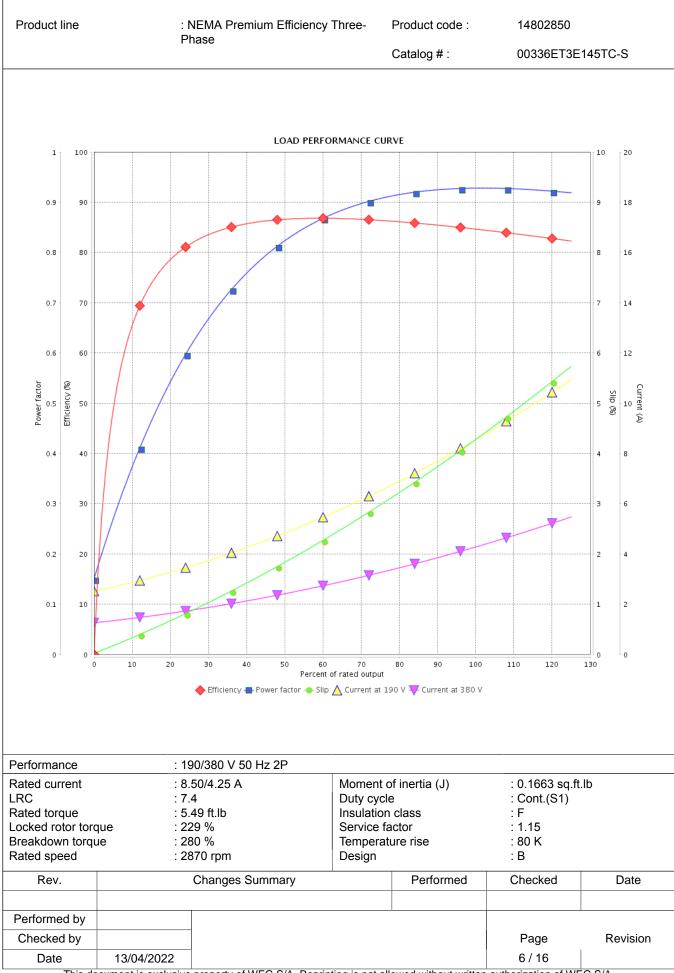
LOAD PERFORMANCE CURVE

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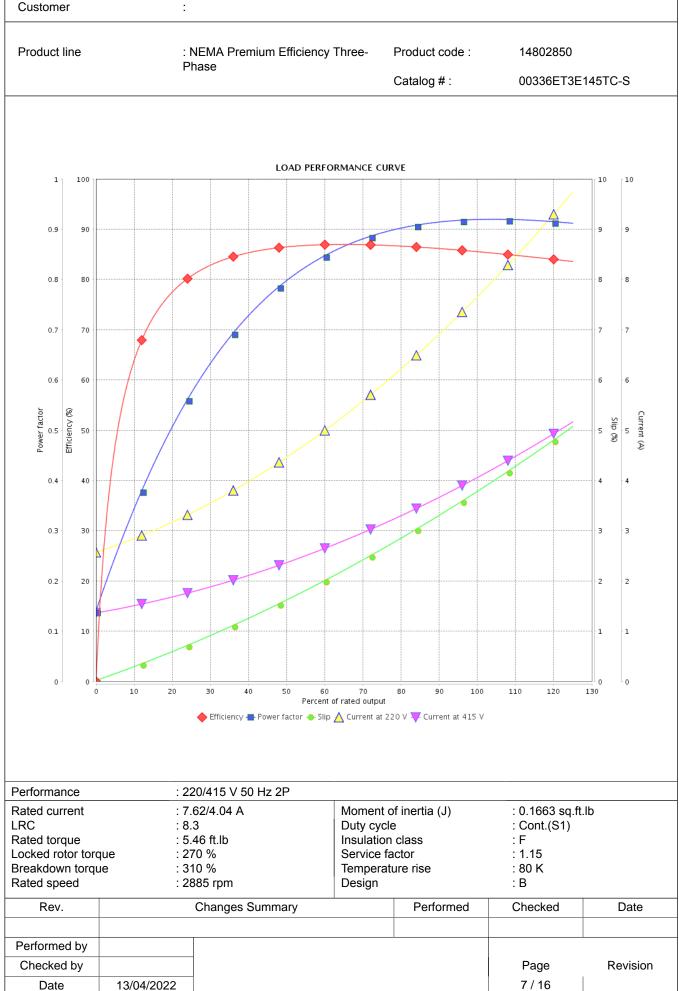
Customer



LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage

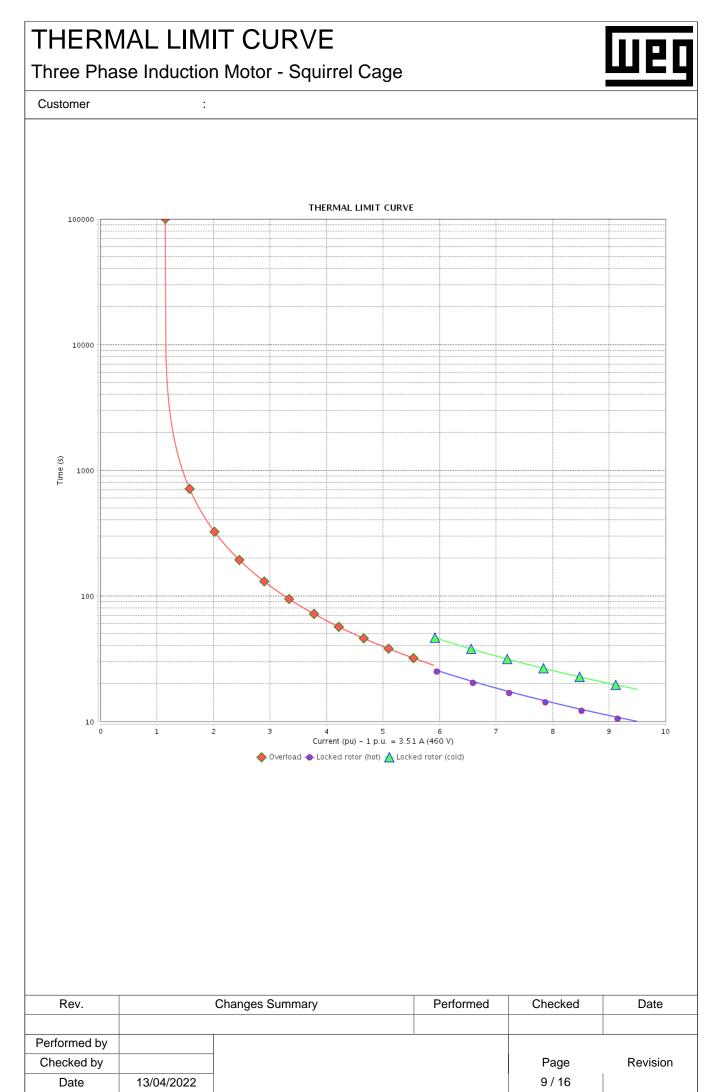
Customer



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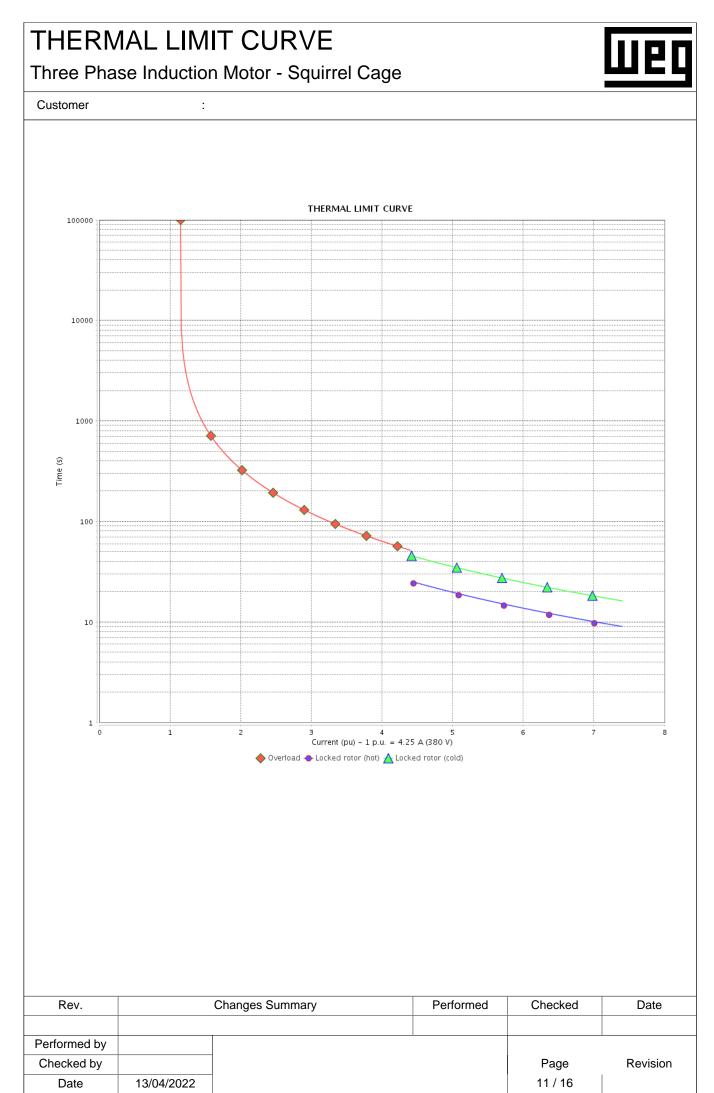
THERMAL LI	IVITI CURVE	Cage		Шер		
Customer	:					
Product line	: NEMA Premium Efficiency Phase		duct code : alog # :	14802850 00336ET3E145TC-S		
Performance	: 230/460 V 60 Hz 2P					
Rated current LRC Rated torque Locked rotor torque Breakdown torque	: 7.02/3.51 A : 9.5 : 4.50 ft.lb : 300 % : 380 %	Moment of ind Duty cycle Insulation clas Service factor Temperature	ss r	: 0.1663 sq.ft.lb : Cont.(S1) : F : : 80 K		
Rated speed	: 3500 rpm	Design		: B		

Rated speed		500 rpm	Design		: B	
Heating constan	t				·	
Cooling constant	t					
Rev.		Changes Summary		Performed	Checked	Date
Performed by						
Checked by					Page	Revision
Date	13/04/2022				8 / 16	



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THERMAL	LIMIT CURVE		Шер
Three Phase Ind	uction Motor - Squirrel C	Cage	
Customer	:		
Product line	: NEMA Premium Efficiency Th	ree- Product code :	14802850
	Phase	Catalog # :	00336ET3E145TC-S
Performance	: 190/380 V 50 Hz 2P		
Rated current LRC	: 8.50/4.25 A M : 7.4 D	Noment of inertia (J) Duty cycle	: 0.1663 sq.ft.lb : Cont.(S1)
Rated torque	: 5.49 ft.lb Ir	nsulation class	: F : 1 15

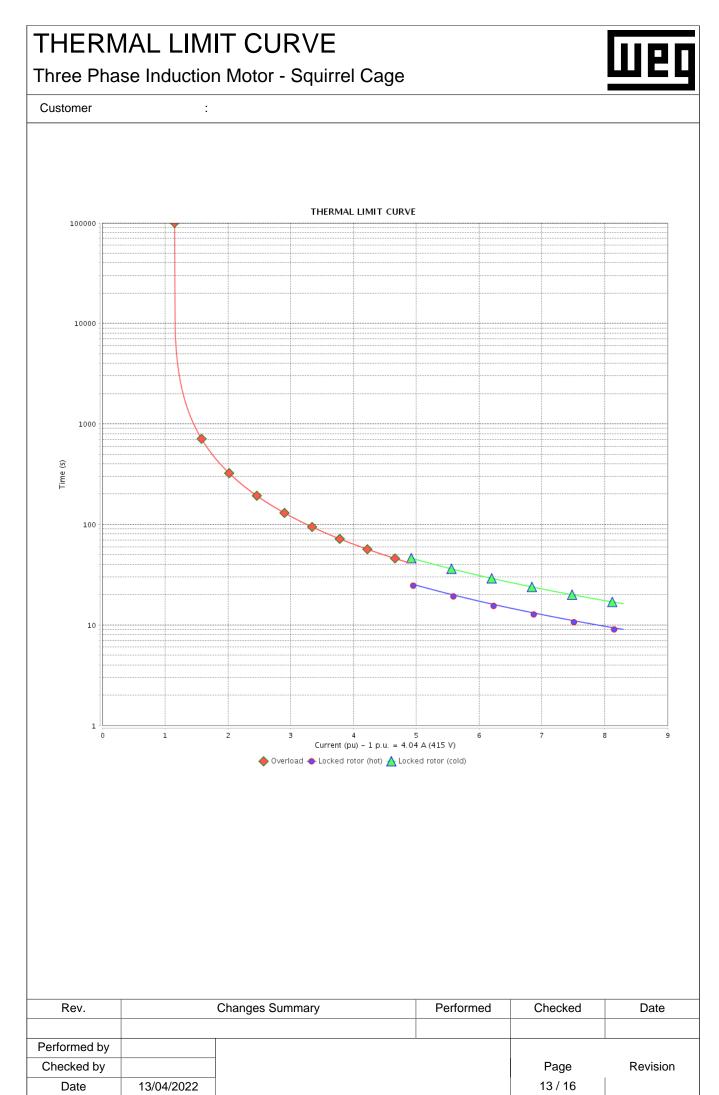
Rated torque: 5.49 ft.lbLocked rotor torque: 229 %Breakdown torque: 280 %		229 %	Service fa	Insulation class Service factor Temperature rise		
Heating constant	t					
Cooling constant	t					
Rev.		Changes Summary		Performed	Checked	Date
Performed by						
Checked by					Page	Revision
Date	13/04/2022				10/16	

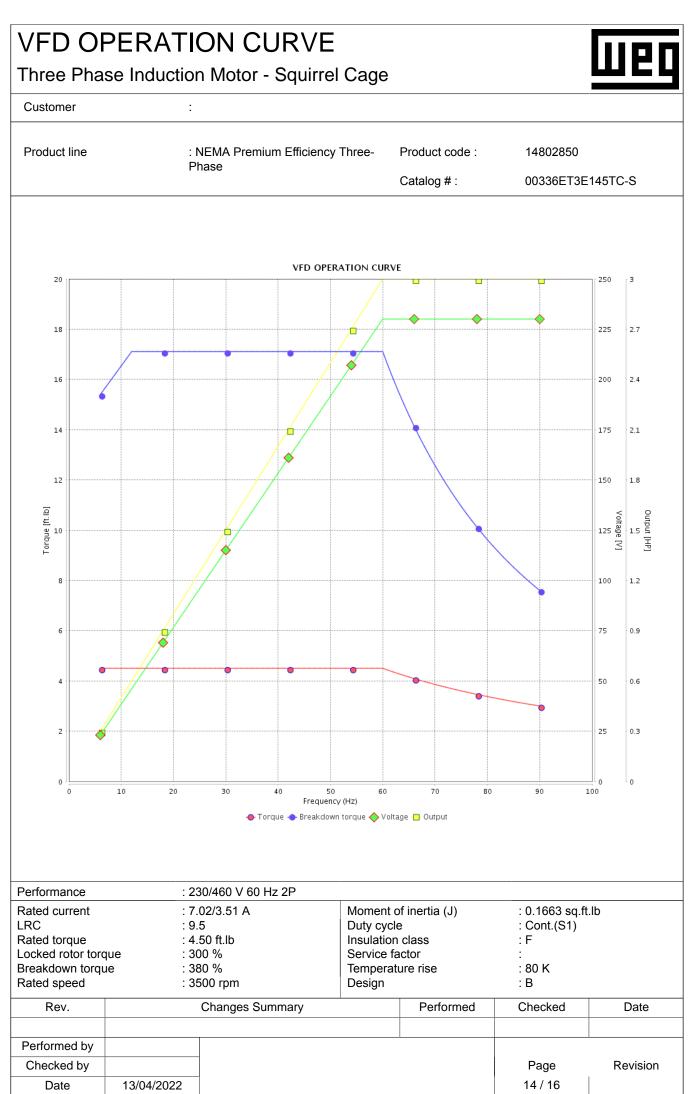


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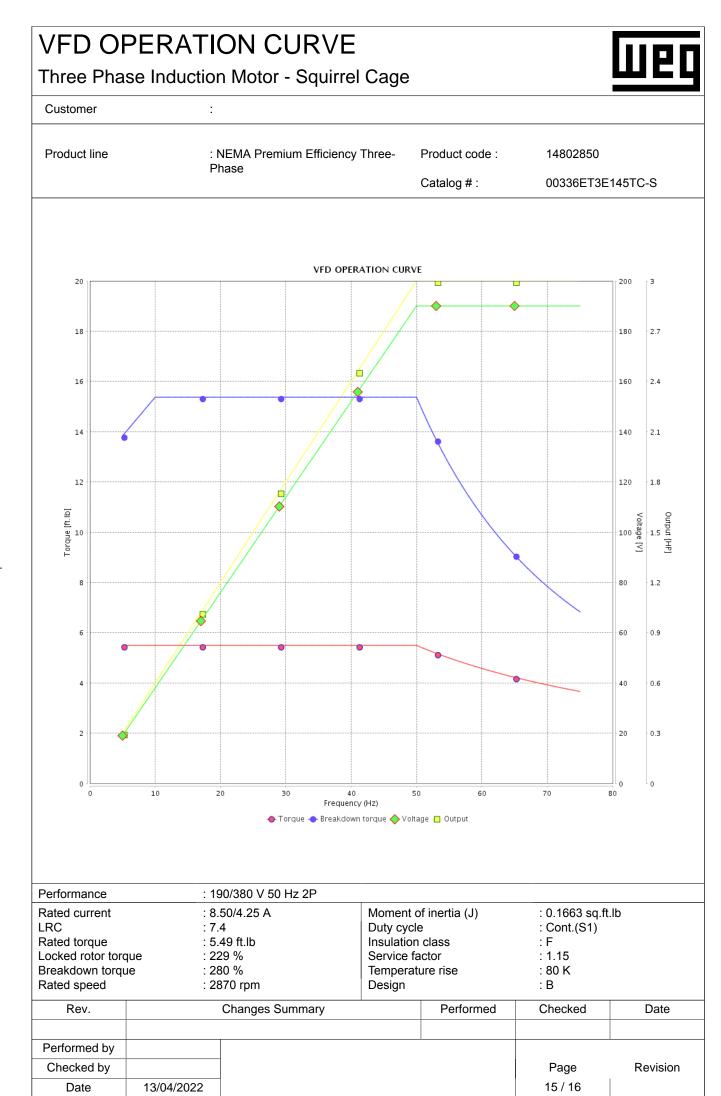
THERMAL LIMIT CURVE Three Phase Induction Motor - Squirrel Cage							
Customer Product line	: : NEMA Premium Efficiency Phase	Three- Product code : Catalog # :	14802850 00336ET3E145TC-S				
		<u>-</u>					
	000////5///50/// 00						
Performance Rated current LRC Rated torque Locked rotor torque Breakdown torque Rated speed	: 220/415 V 50 Hz 2P : 7.62/4.04 A : 8.3 : 5.46 ft.lb : 270 % : 310 % : 2885 rpm	Moment of inertia (J) Duty cycle Insulation class Service factor Temperature rise Design	: 0.1663 sq.ft.lb : Cont.(S1) : F : 1.15 : 80 K : B				

rated speed	. 2	2000 1011	Design		. 0	
Heating constant	t					
Cooling constant	t					
Rev.		Changes Summary		Performed	Checked	Date
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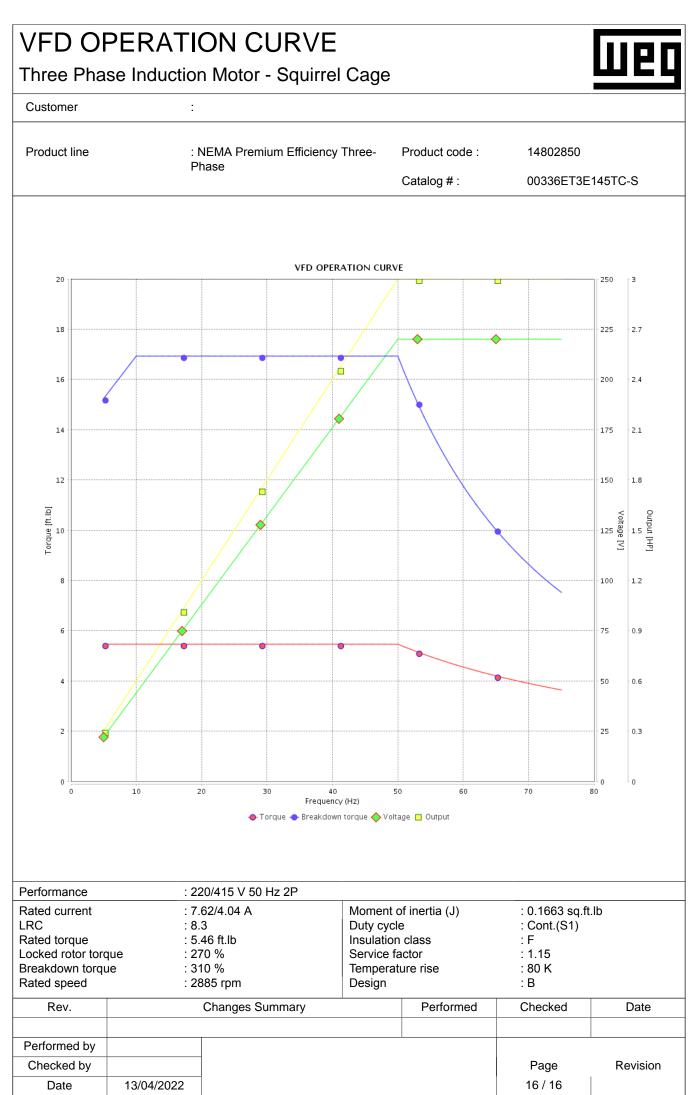




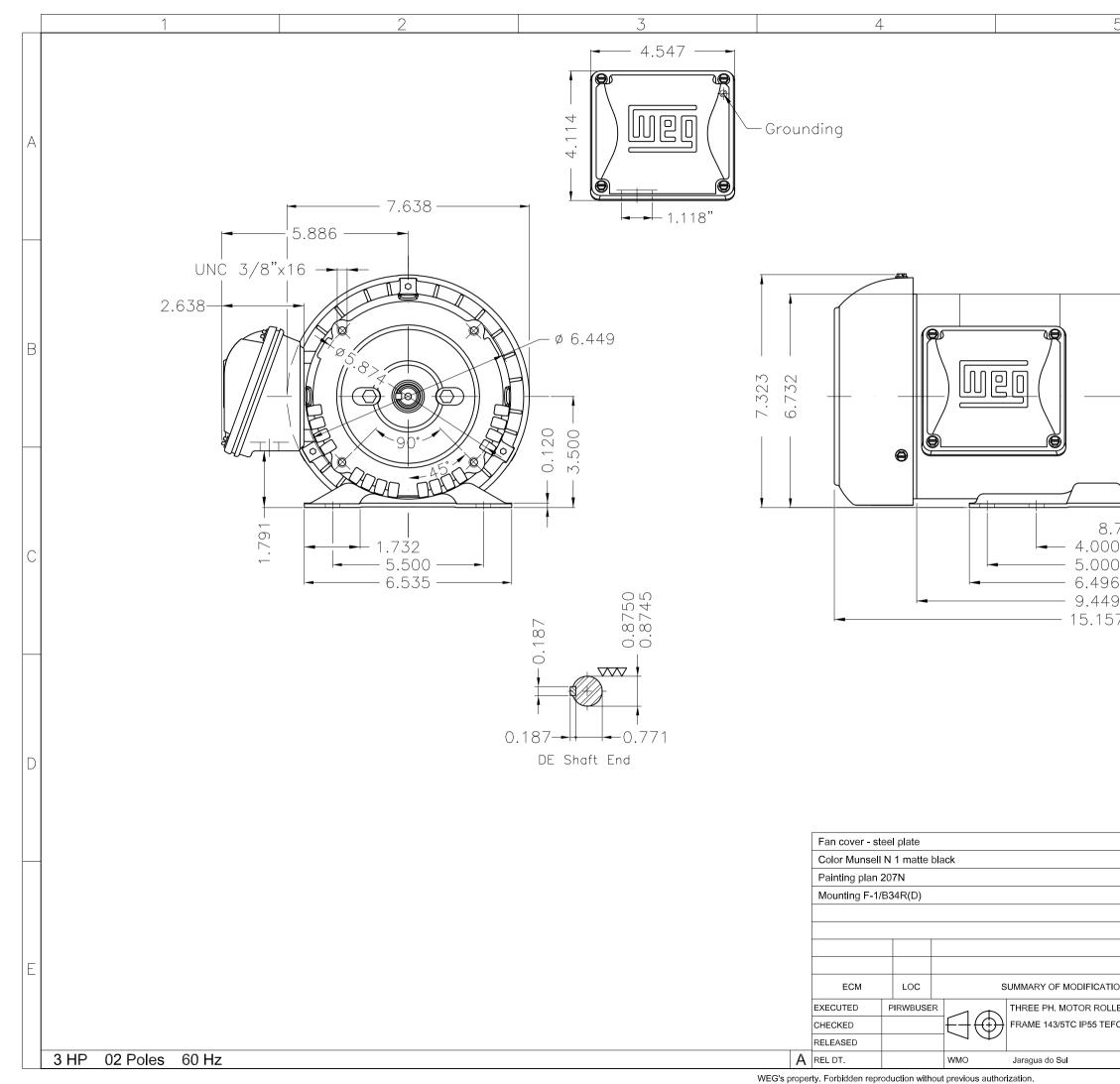
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LED STEEL PREM. E FC Produc		PREVI WDD	EW	ШP	XME A3
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COLOR SAFE AREA Energy Verified	For 60Hz: Class I, Zone 2, IIC Class I, DIV2, G.A. AB,C,D - 73 DIV 2 Inverter Duty (5F1.00) CT 2:1/VT 1000:1	1 3 1	REFERENCE INFORMATION accordance with local accordance with local accordance with local accordance with local accordance with orbit accordance with accord accordance with accord according accord accordance with accord accordance with accord ac
	MADE IN BRAZIL MAT: 14802850 CC029A W01.TEDICOXON WDDEL 00336T3E145TC-S 08APR2022 BIN:	FR 3 IMZ 50 WP 3. FR 435 TC WP 3. WP 3. OUTY CONT AT 1000 m.a.s.1 WP 3. Y 23. ALT 1000 m.a.s.1 MB U 23. Y 23. ALT 1000 m.a.s.1 PES FA at Y 23. Y 7 7 ALT 100 m.a.s.1 PES FA at PE 0. 25. FA at 7 10. 23. FA at 10.	MERCIANAGE ANY THO LINE WREES TO EXTRAGE THE EXCINON MERCIANAGE ANY THO LINE WREES TO EXTRAGE THE EXCINON WARNING: More must be grounded in accordance with local and national interface laced by proving restores electrical and the interface local section of the accordance and the local method of the second section of the local work with the local optimization arts codes description local work with the local provident and work about the local work the local and the local section local local the results of how local the local provident and local and the local local work with the local provident and local section local work with local and local diversion of the local section of the local local provident and local section local and the local section of the local provident and local section local and the local section of the local provident and local section of the local section of the local section of the local section of the local section of the local section of the local provident and local section of the local section of the local local provident and local section of the local section of the local provident and local section of the local section of the local provident provident and local section of the local section of the local provident provident provident and local section of the local provident provident provident and local section of the local provident provident provident provident provident provident provident provident provident provident provident provident provident provident provident provident provide