# DATA SHEET

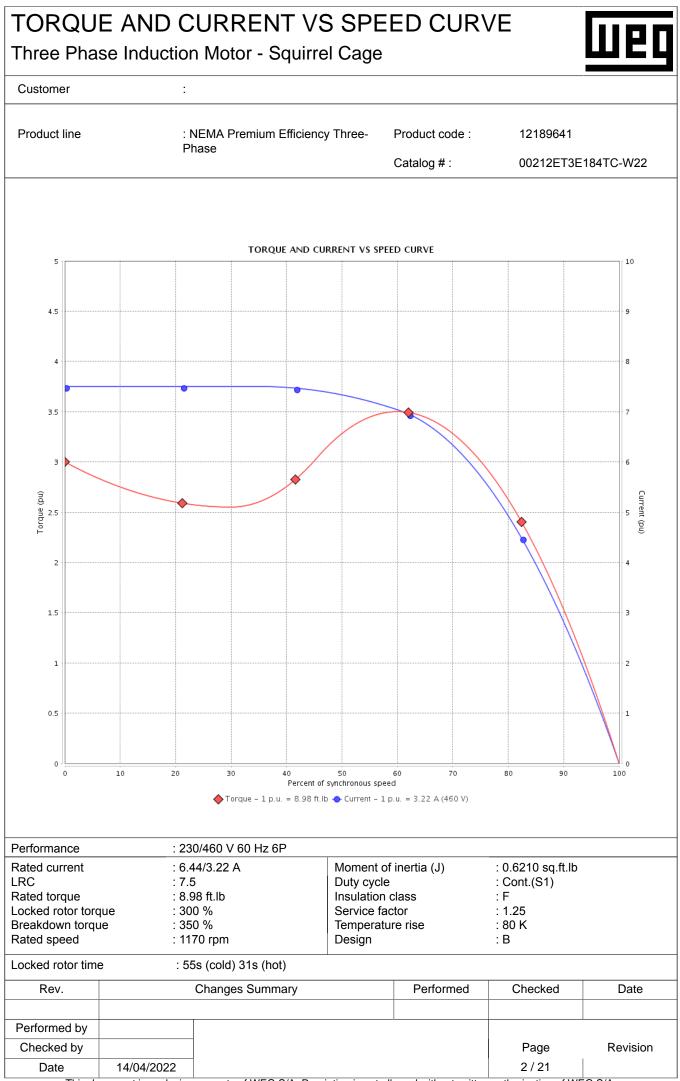
Three Phase Induction Motor - Squirrel Cage

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#### Customer

Product line		: NEMA Premium Effi Phase	ciency T	hree- Pi	roduct code :	1218964	1
		Flidse		C	atalog # :	00212ET	3E184TC-W22
Frame Insulation class Duty cycle Ambient tempera Altitude Protection degre Design		: 182/4TC : F : Cont.(S1) : -20°C to +40°C : 1000 m.a.s.l. : IP55 : B		Cooling m Mounting Rotation <sup>1</sup> Starting m Approx. w Moment c	nethod	: IC411 - : F-1 : Both (C : Direct C : 104 lb : 0.6210	W and CCW) In Line
Output [HP]		2	,	2	2	<b>)</b>	2
Poles		6		6	6		6
Frequency [Hz]		60		50	5		50
Rated voltage [V]		230/460		380	40		415
Rated current [A]		6.44/3.22		3.66	3.0		3.58
. R. Amperes [A]		48.3/24.2		22.0	24		25.4
.RC [A]		7.5x(Code L)	6 (	Dx(Code J)	6.7x(C		7.1x(Code L)
No load current [A	1	3.80/1.90	0.0	1.90	2.0		2.15
Rated speed [RPN		1170		960	96		965
Slip [%]	<u>ا</u>	2.50		4.00	3.5		3.50
Rated torque [ft.lb]	1	8.98		10.9	10		10.9
_ocked rotor torqu		300		229	28		310
Breakdown torque		350		229	31		340
Service factor	, [ /0]	1.25		1.00	1.0		1.00
Temperature rise		80 K		80 K	80		80 K
Locked rotor time		55s (cold) 31s (hot)	360 10	cold) 20s (hc			65 (cold) 20s (hot)
Noise level <sup>2</sup>		52.0 dB(A)		9.0 dB(A)	49.0 0		49.0 dB(A)
	25%	85.4		84.8	49.0 0		84.2
	50%	86.5		85.5	85		85.0
Efficiency (%)	75%	87.5		86.0	86		86.5
	100%	88.5		86.5	87		87.0
Power Factor	25%	0.26		0.31	0.2		0.26
	50%	0.20		0.53	0.4		0.46
Power Factor	75%	0.58		0.65	0.0		0.59
	100%	0.66		0.00	0.0		0.67
Bearing type Sealing Lubrication interv Lubricant amoun Lubricant type	val	Drive end Non dr 6207 ZZ 62	r <u>ive end</u> 06 ZZ 'Ring - -	Foundation Max. tracti Max. comp	n loads on	: 184 lb : 288 lb	
Notes USABLE @208V	7.13A SF 1.1			<u> </u>			
must be eliminate (1) Looking the m	ed. lotor from the Im and with to weight subject ocess.	elerance of +3dB(A).	hich		average values ply, subject to th		with sinusoidal ipulated in NEMA
Rev.		Changes Summary			Performed	Checked	Date
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Checked by Date	14/04/2022					Page 1 / 21	Revision

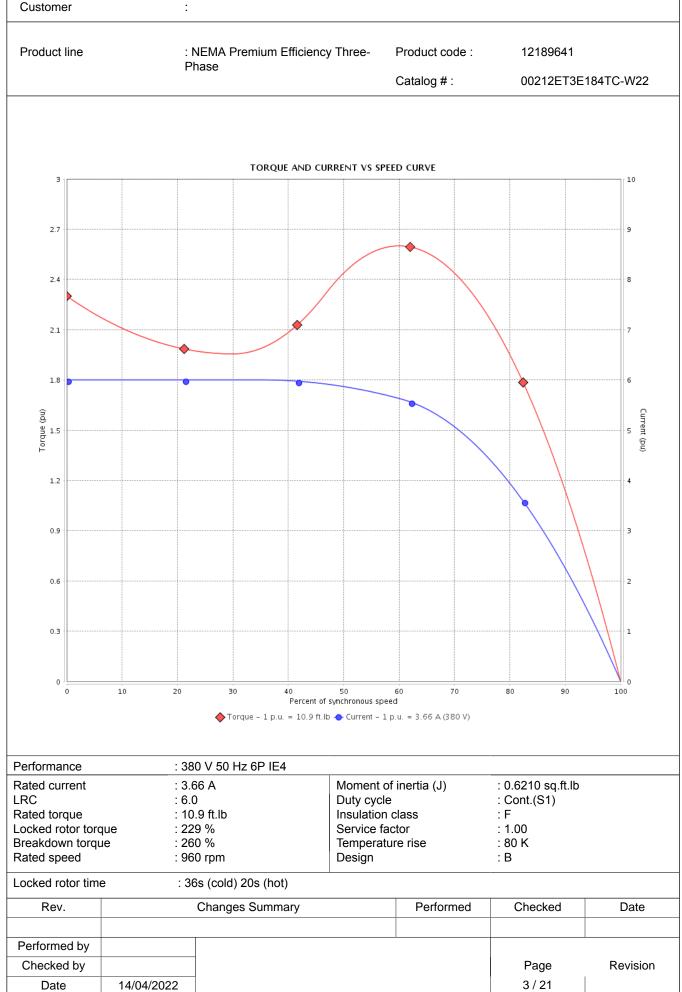


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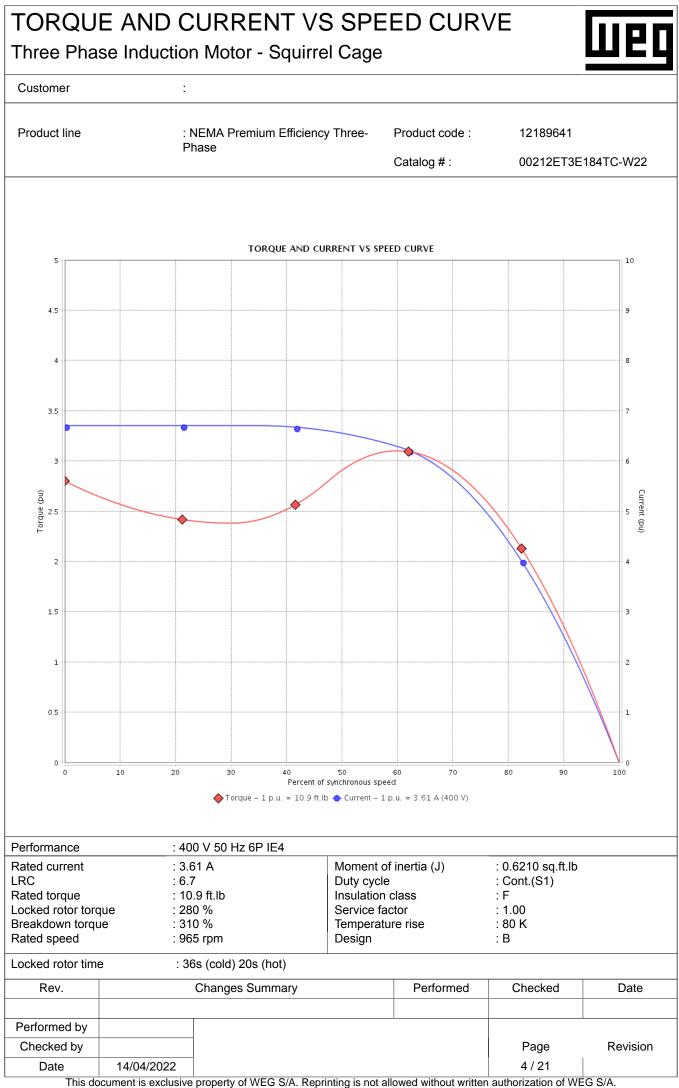
#### TORQUE AND CURRENT VS SPEED CURVE

Three Phase Induction Motor - Squirrel Cage





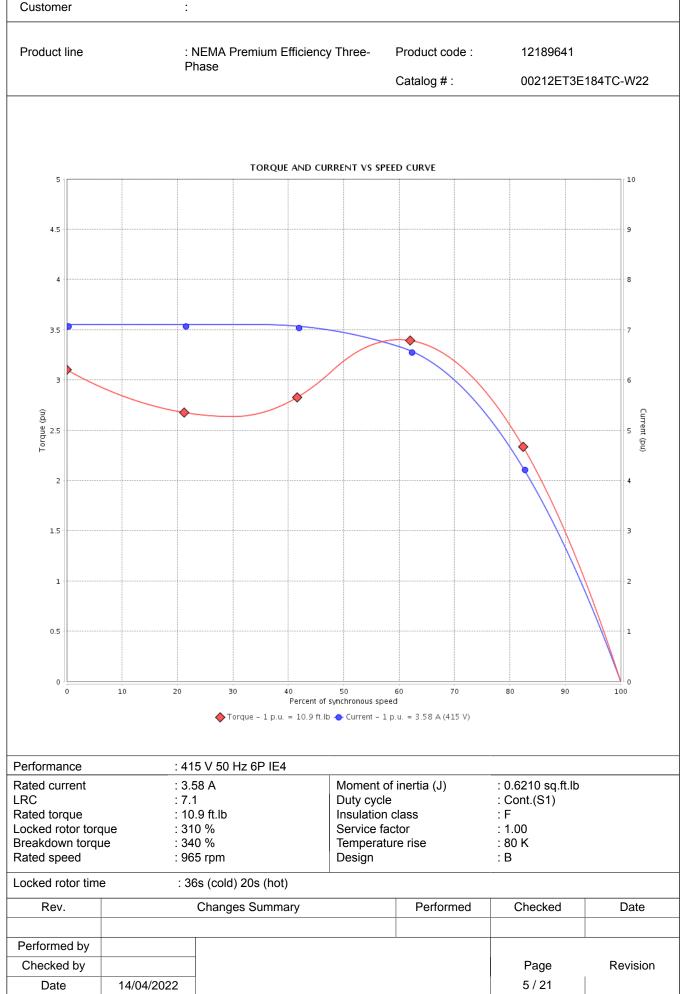
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#### TORQUE AND CURRENT VS SPEED CURVE

Three Phase Induction Motor - Squirrel Cage





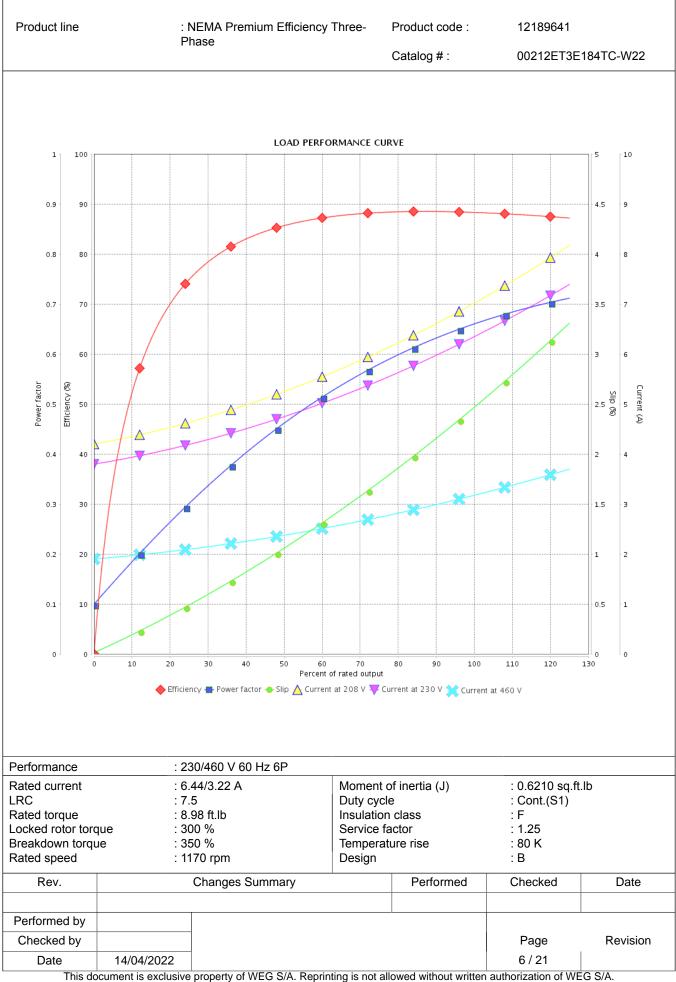
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Three Phase Induction Motor - Squirrel Cage

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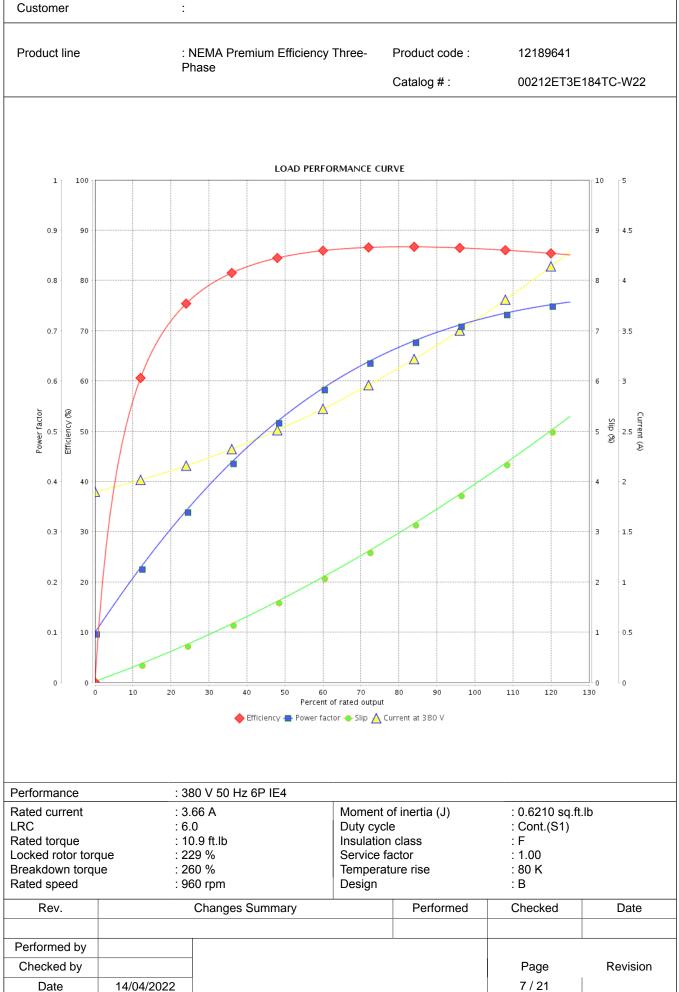


Customer



Three Phase Induction Motor - Squirrel Cage

#### Customer



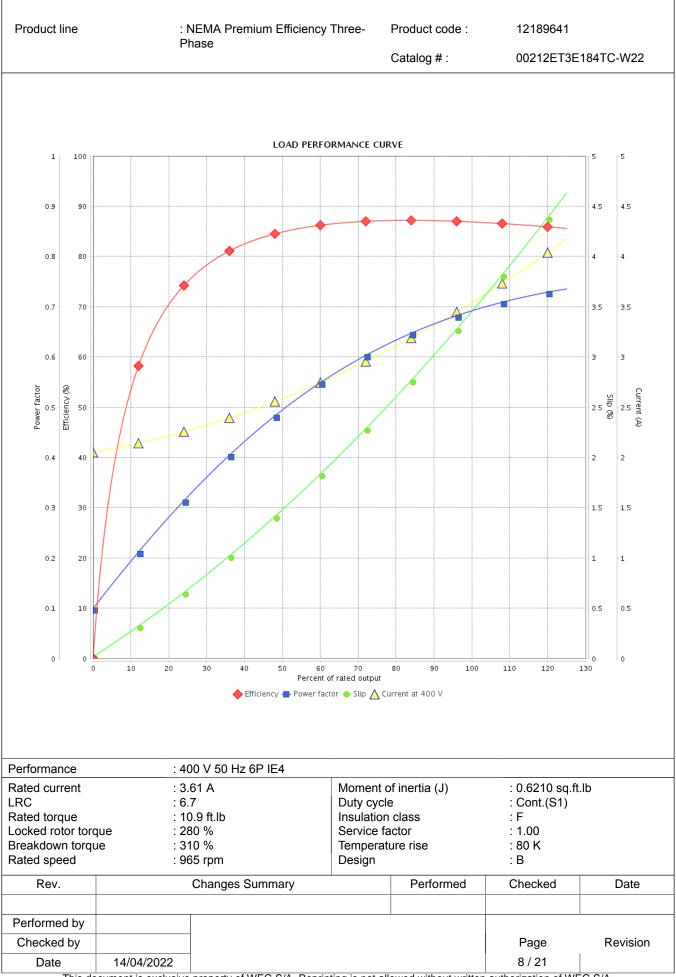
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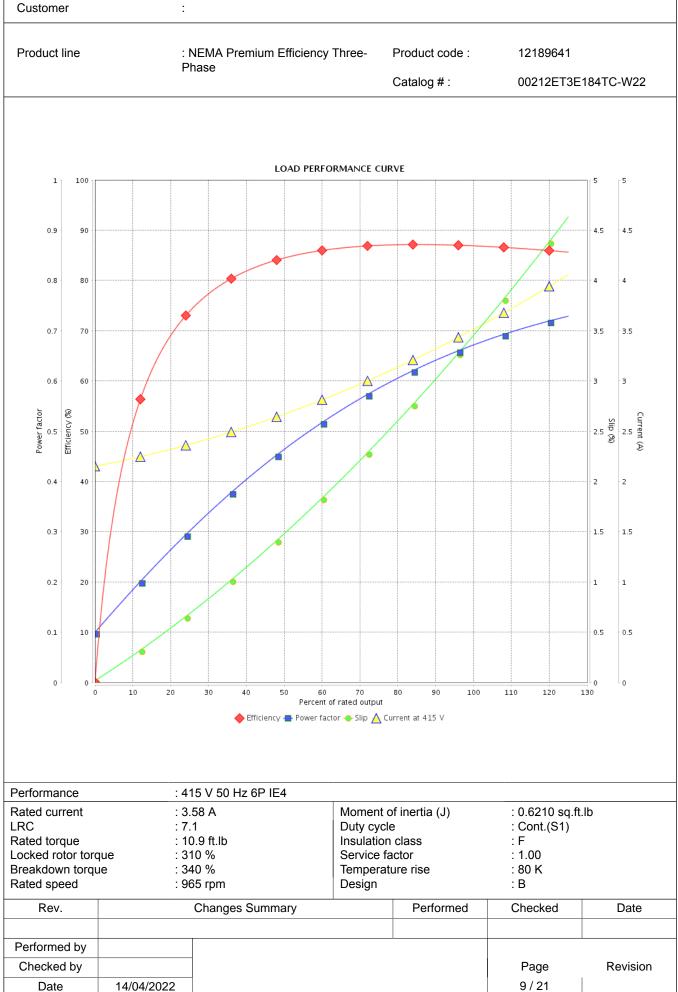


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Three Phase Induction Motor - Squirrel Cage

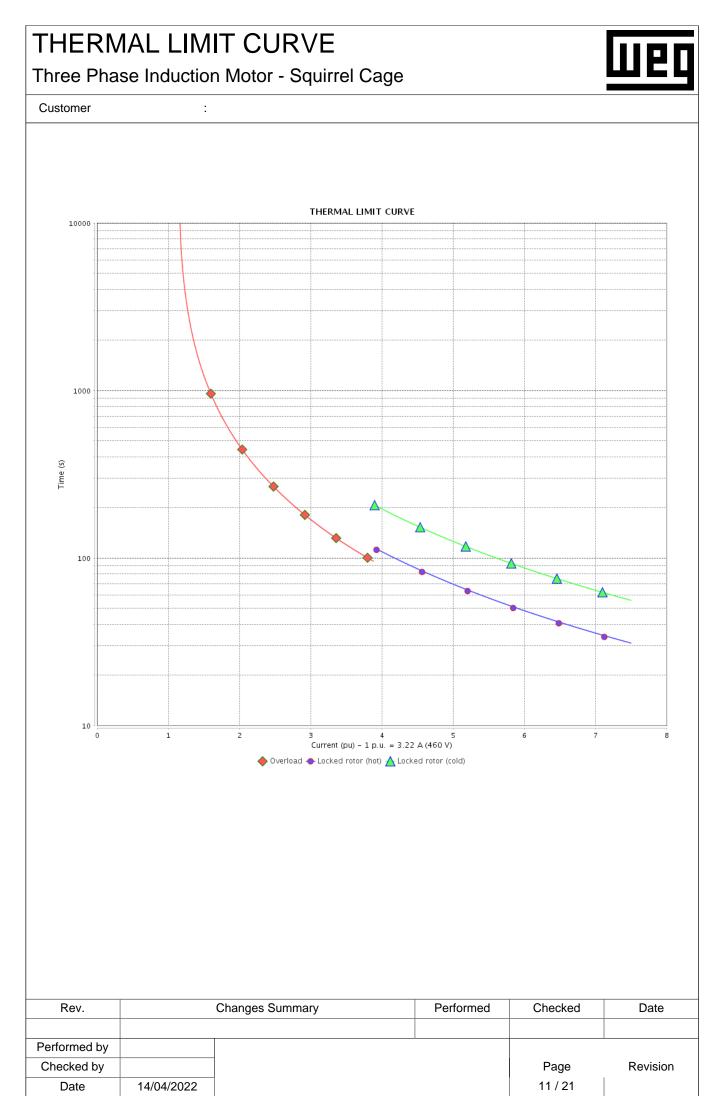
#### Customer



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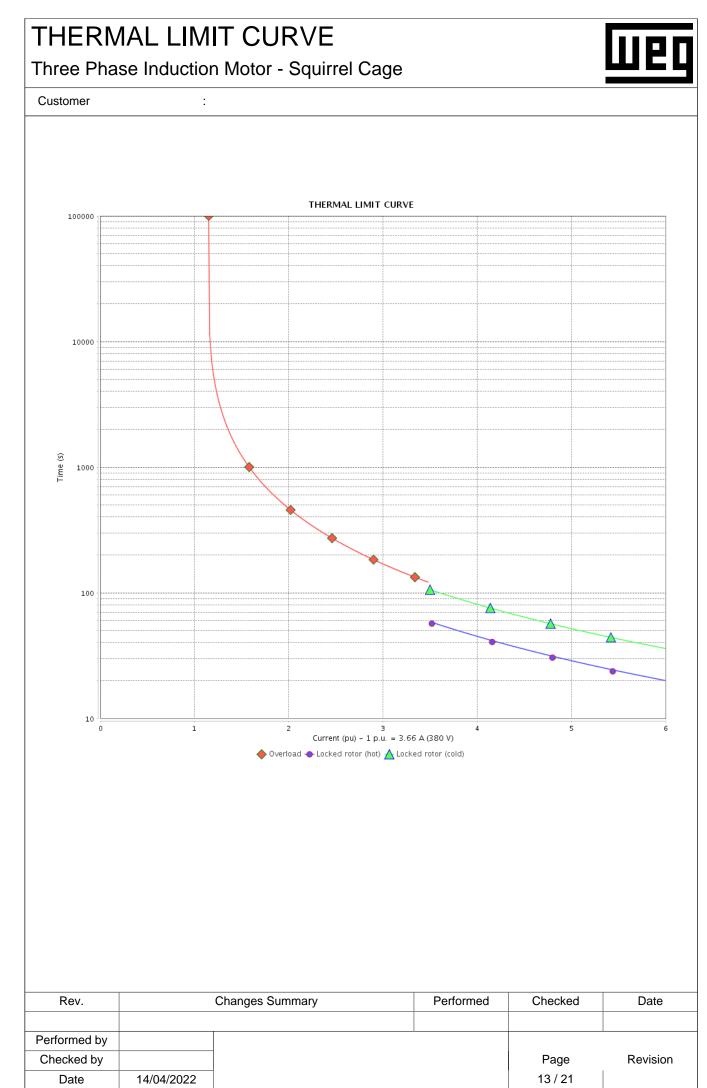
THERMAL LI	THERMAL LIMIT CURVE							
Three Phase Induct	tion Motor - Squirrel Cage		шсч					
Customer	:							
Product line	: NEMA Premium Efficiency Three- Phase	Product code :	12189641					
		Catalog # :	00212ET3E184TC-W22					

Performance	:	230/460 V 60 Hz 6P	÷					
Rated current LRC Rated torque Locked rotor torqu Breakdown torqu Rated speed	: jue : ie :	6.44/3.22 A 7.5 8.98 ft.lb 300 % 350 % 1170 rpm	Duty cycle Insulation Service fa	Moment of inertia (J) Duty cycle Insulation class Service factor Temperature rise Design		Duty cycle: Cont.(S1)Insulation class: FService factor: 1.25Temperature rise: 80 K		lb
Heating constant								
Cooling constant								
Rev.		Changes Summary		Performed	Checked	Date		
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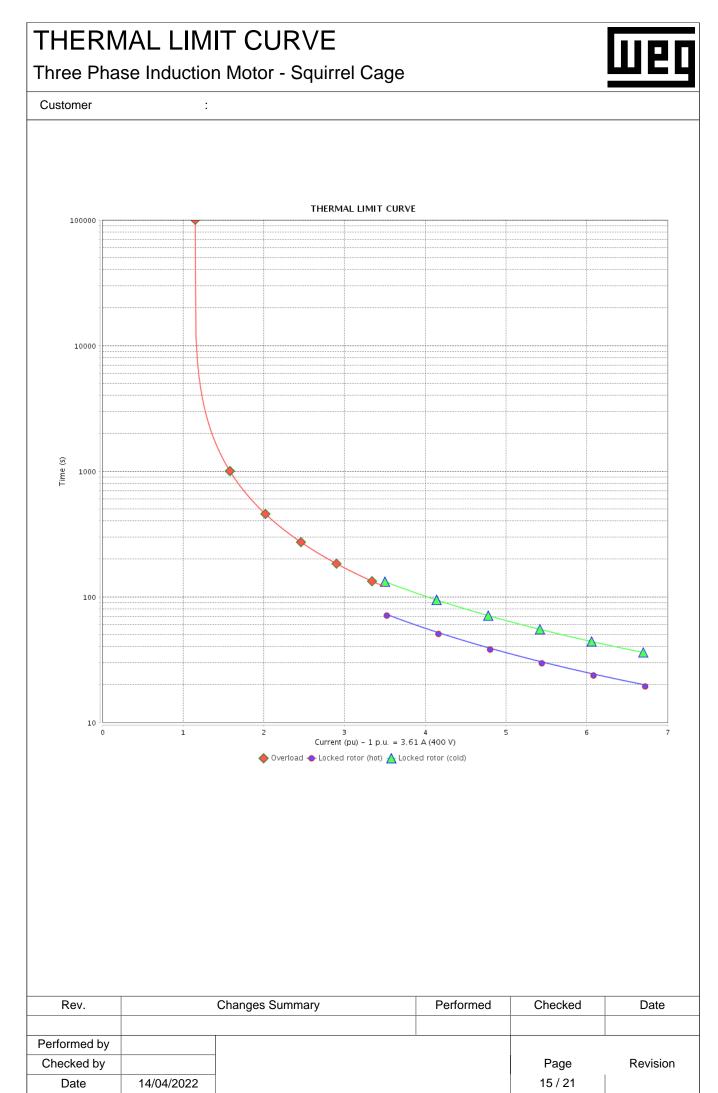
THERMAL	LIMIT CURVE		Шер			
Three Phase Induction Motor - Squirrel Cage						
Customer	:					
Product line	: NEMA Premium Efficiency Three-	Product code :	12189641			
	Phase Catalog # : 00212ET3E184TC-W22					

Performance	: 3	80 V 50 Hz 6P IE4				
Rated current LRC Rated torque Locked rotor toro Breakdown torqu Rated speed	: 6 : 1 que : 2 ue : 2	.66 A .0 0.9 ft.lb 29 % 60 % 60 rpm	Moment of inertia (J) Duty cycle Insulation class Service factor Temperature rise Design		: 0.6210 sq.ft : Cont.(S1) : F : 1.00 : 80 K : B	.lb
Heating constan	t					
Cooling constant	t					
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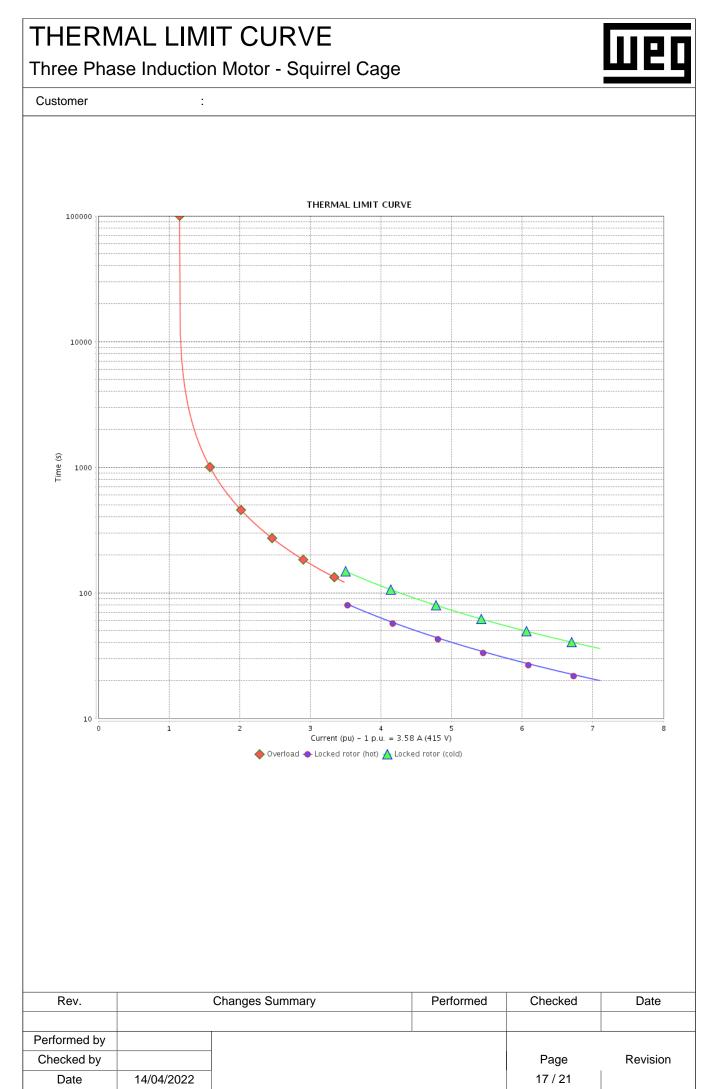
THERMAL LI	THERMAL LIMIT CURVE							
Three Phase Induc	tion Motor - Squirrel Cage		шсч					
Customer	:							
Product line	: NEMA Premium Efficiency Three- Phase	Product code :	12189641					
	T HUGO	Catalog # :	00212ET3E184TC-W22					

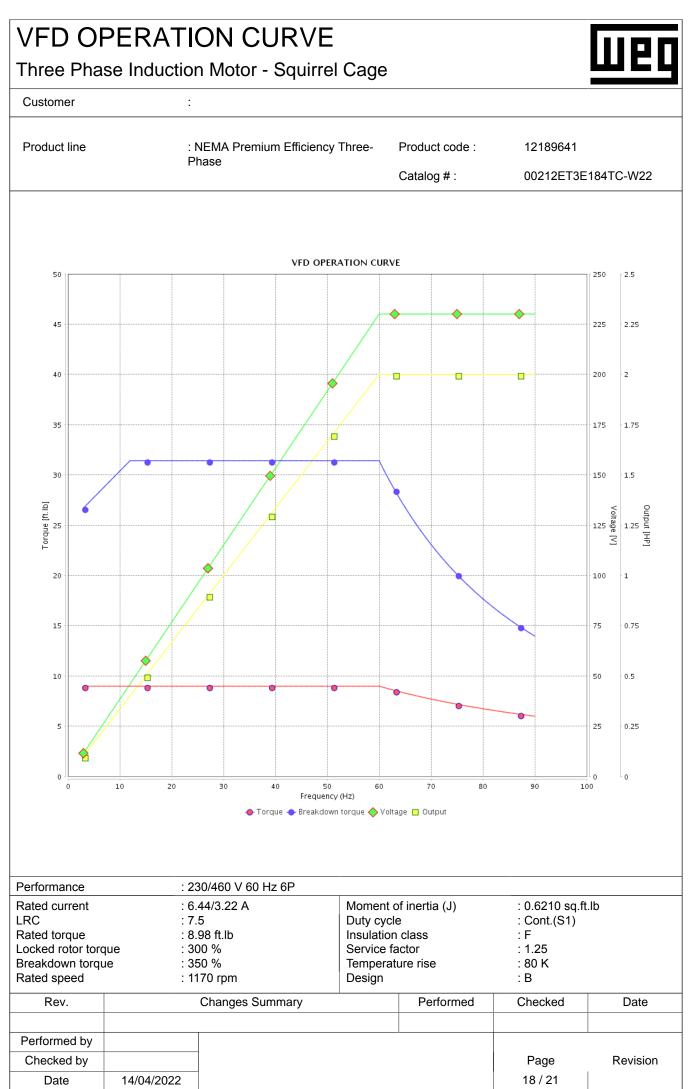
Performance	: 40	00 V 50 Hz 6P IE4				
Rated current	d current : 3.61 A		Moment of inertia (J)		: 0.6210 sq.ft.lb	
LRC	: 6.	.7	Duty cycle	;	: Cont.(S1)	
Rated torque	: 10	0.9 ft.lb	Insulation	class	: F	
Locked rotor tor	que : 28	80 %	Service fa	ctor	: 1.00	
Breakdown torqu	ue : 3 <sup>.</sup>	10 %	Temperature rise		: 80 K	
Rated speed	: 96	65 rpm	Design		: B	
Heating constan	t					
Cooling constan	t					
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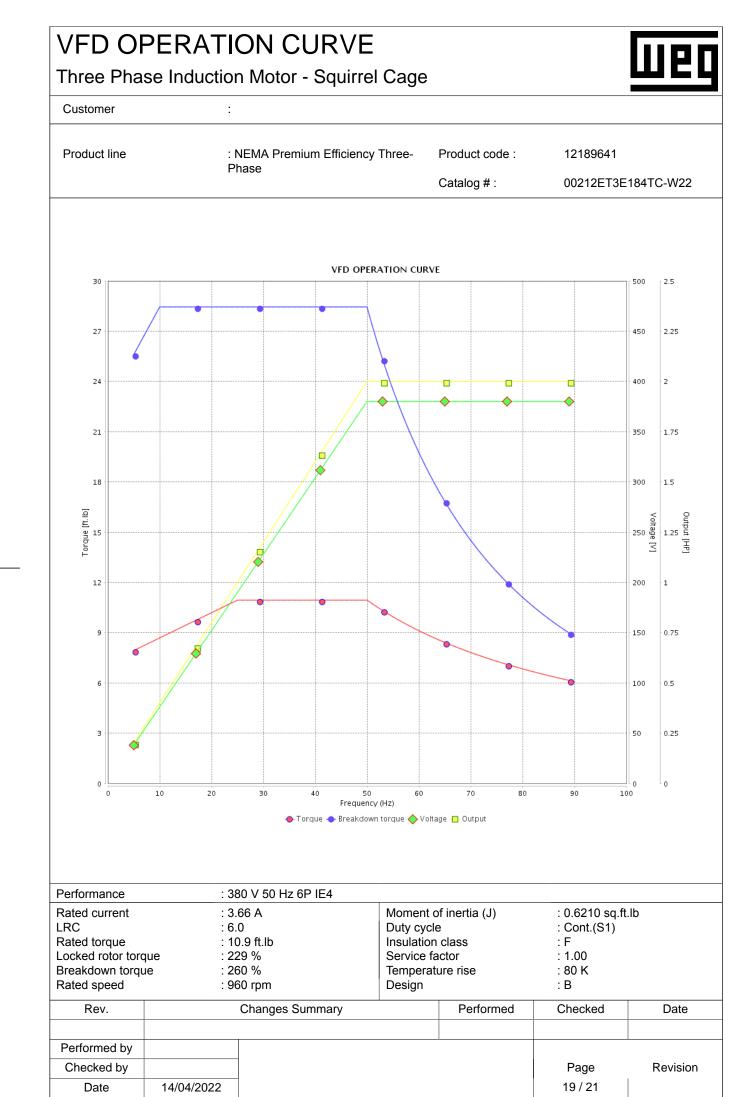
THERMAL L	IMIT CURVE		Шер
Three Phase Indu	ction Motor - Squirrel Cage	)	шеч
Customer	:		
Product line	: NEMA Premium Efficiency Three- Phase	Product code :	12189641
		Catalog # :	00212ET3E184TC-W22

Performance	: 4	15 V 50 Hz 6P IE4				
Rated current LRC Rated torque Locked rotor torq Breakdown torqu Rated speed	: 7 : 1 que : 3 ue : 3	8.58 A 7.1 10.9 ft.lb 810 % 840 % 965 rpm	Moment of Duty cycle Insulation Service fa Temperate Design	class ictor	: 0.6210 sq.ft : Cont.(S1) : F : 1.00 : 80 K : B	t.lb
Heating constan	it				·	
Cooling constan	t					
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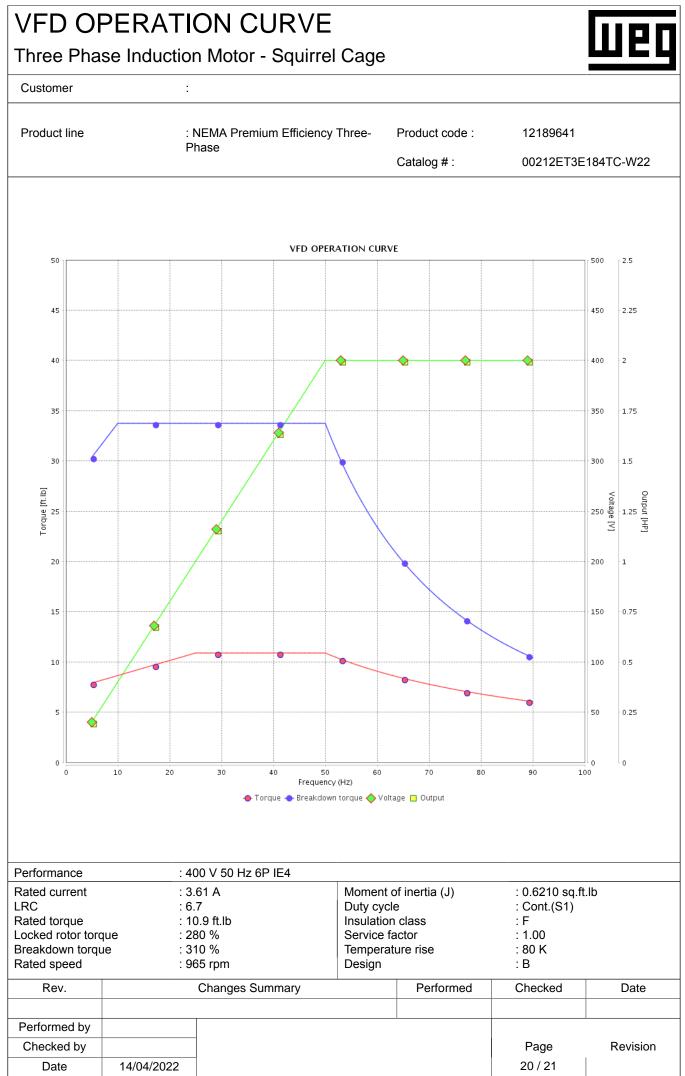


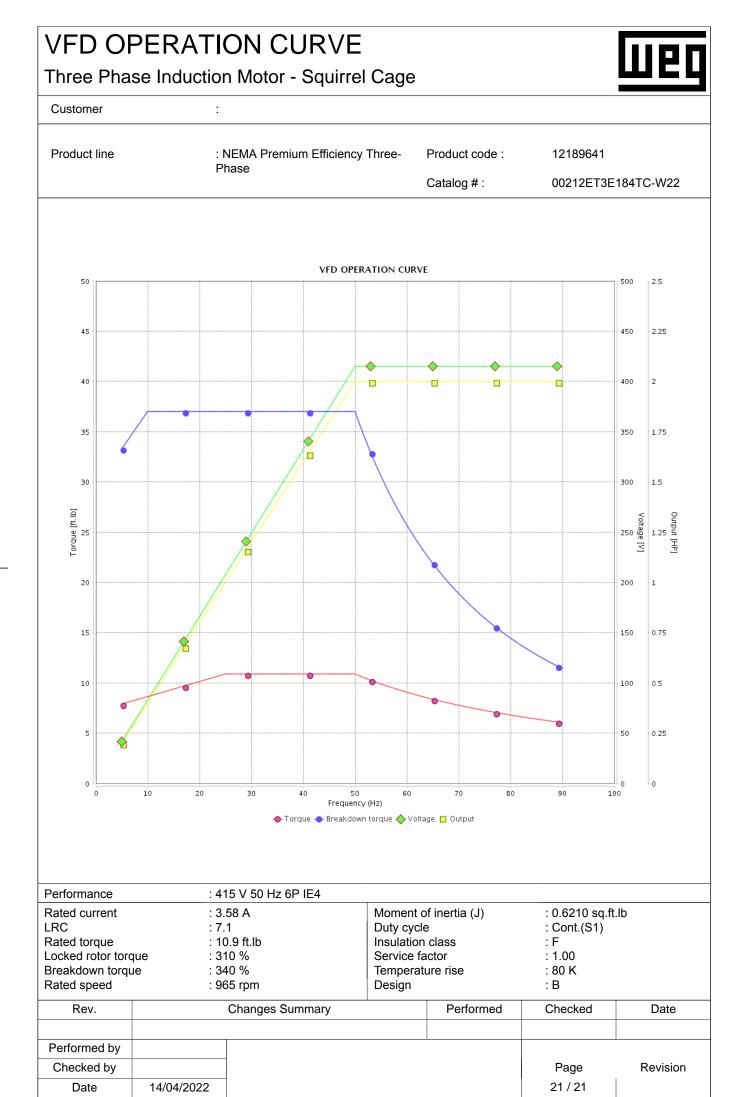


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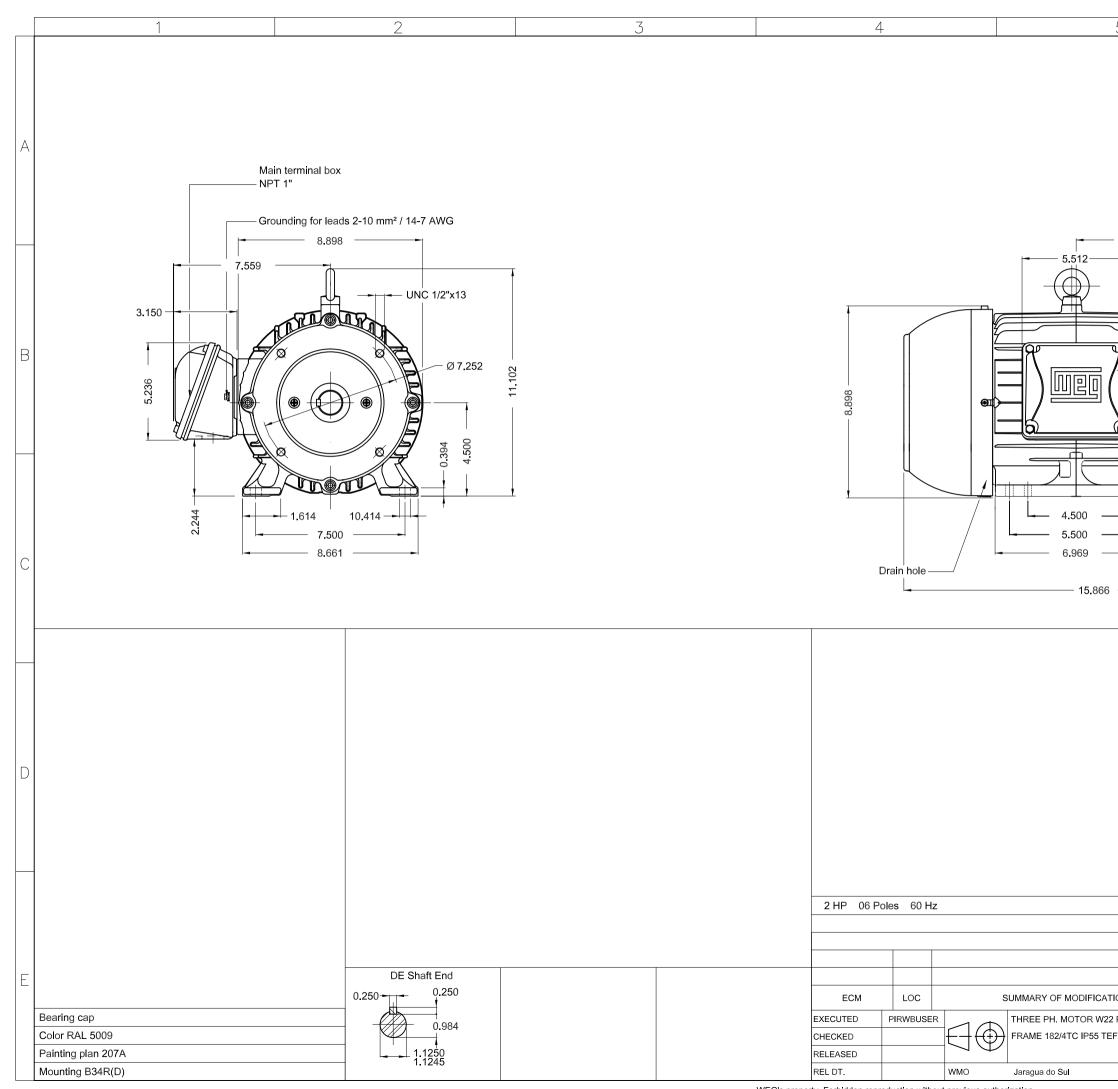


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