DATA SHEET

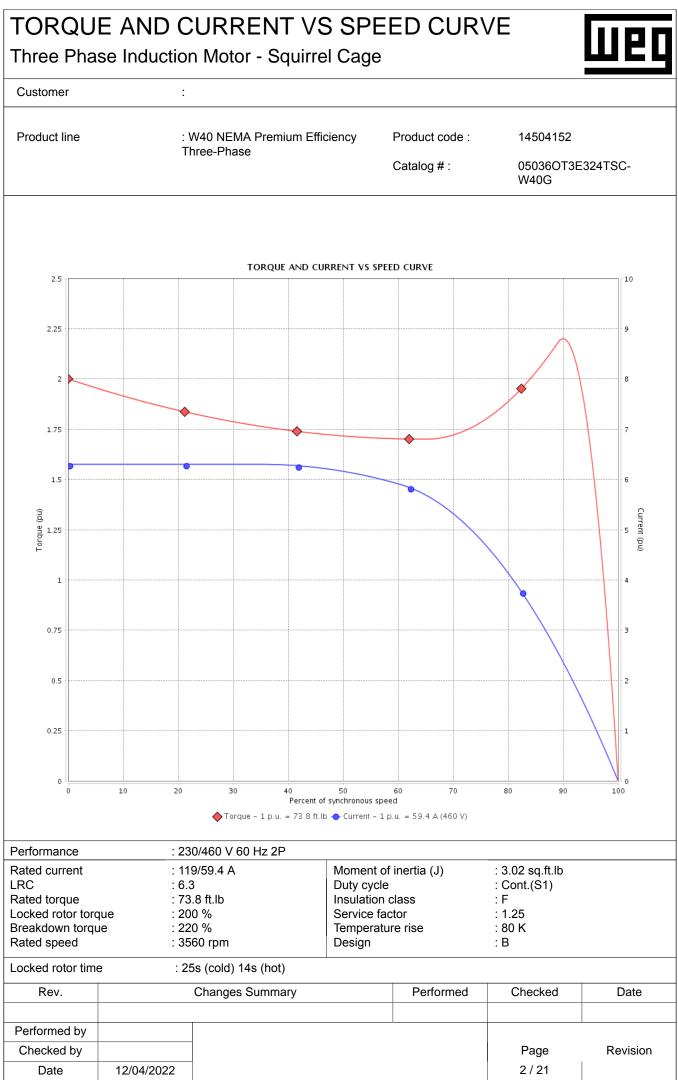
Three Phase Induction Motor - Squirrel Cage

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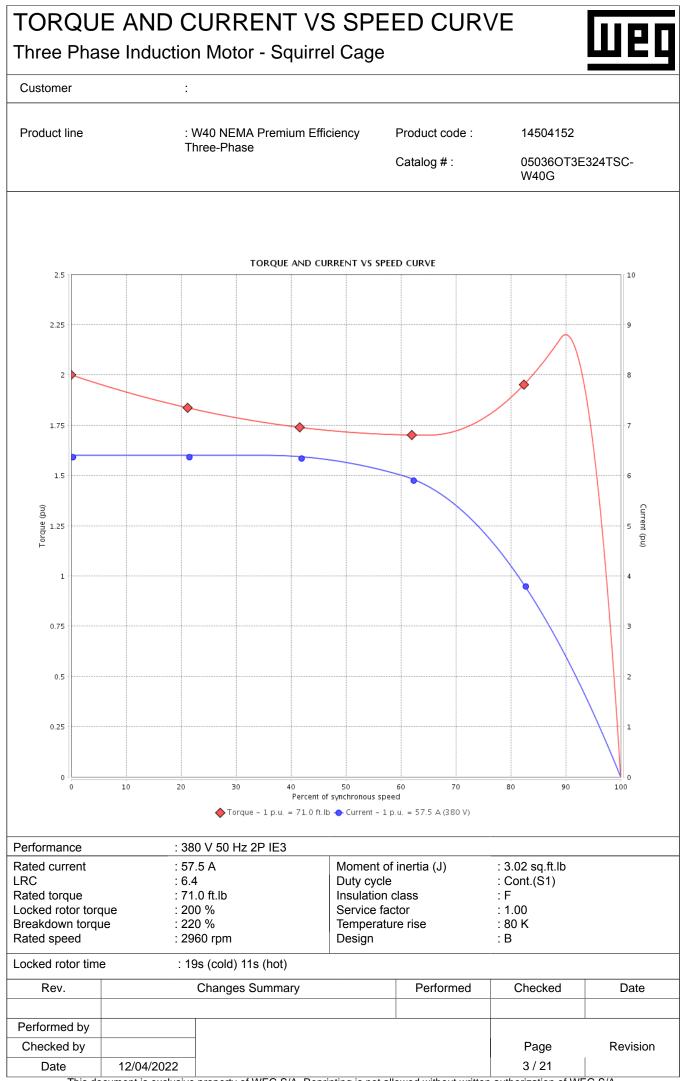


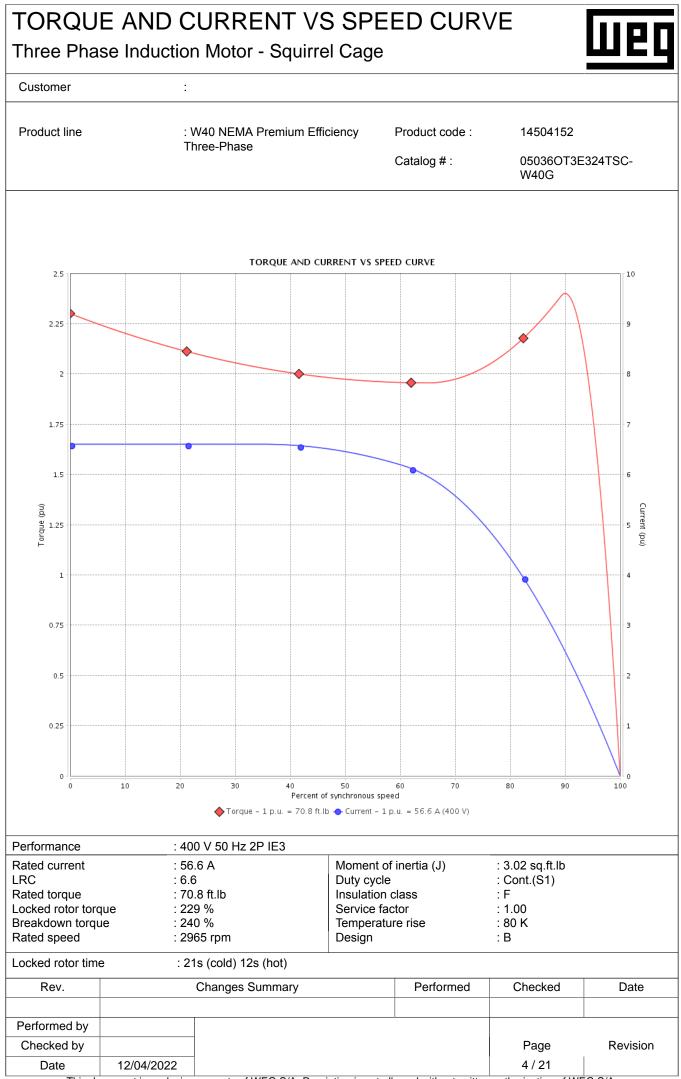
Customer

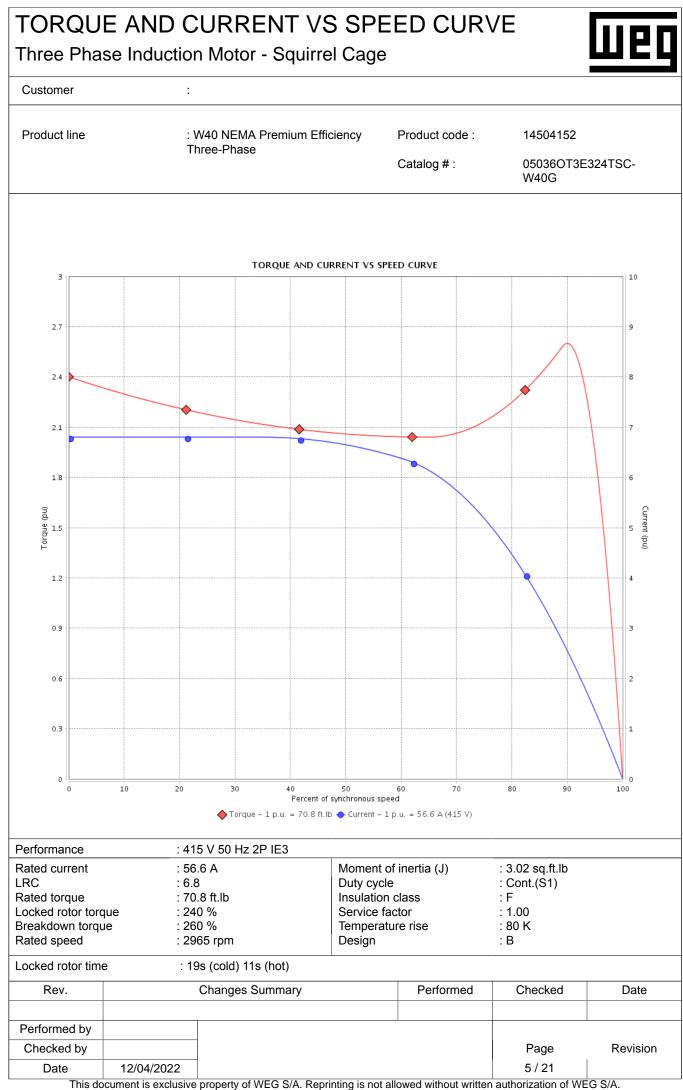
Product line		: W40 NEMA Premium Efficiency Three-Phase		ncy Pro	oduct code :	14504152	14504152	
	Three-Phase		Catalog # :		05036OT: W40G	05036OT3E324TSC- W40G		
Frame		: 324TSC		Cooling me	ethod	: IC01 - O	DP	
Insulation class				Mounting			: F-1	
Duty cycle		: Cont.(S1)			Rotation ¹		: Both (CW and CCW)	
Ambient tempera	ature				Starting method		: Direct On Line	
Altitude Protection degree	•				Approx. weight ³ Moment of inertia (J)		: 432 lb : 3.02 sq.ft.lb	
Design	C	: IF23 : B		woment or		. 5.02 54.1	1.10	
•		50	1	40	40		40	
Dutput [HP] Poles		2		2	40		2	
Frequency [Hz]		60		50	50		50	
Rated voltage [V]		230/460		380	400		415	
Rated current [A]		119/59.4		57.5	56.0		56.6	
R. Amperes [A]		748/374		368	374		385	
.RC [A]		6.3x(Code G)	6.4	Ix(Code G)	6.6x(Co		6.8x(Code H)	
No load current [A	.]	45.0/22.5		20.5	24.0		27.0	
Rated speed [RPN		3560		2960	296		2965	
Slip [%]	-	1.11		1.33	1.1		1.17	
Rated torque [ft.lb]]	73.8		71.0	70.8		70.8	
ocked rotor torqu		200		200	229		240	
Breakdown torque	[%]	220		220	240		260	
Service factor		1.25		1.00	1.00		1.00	
emperature rise		80 K		80 K	80		80 K	
ocked rotor time		25s (cold) 14s (hot)	19s (o	cold) 11s (hot) 21s (cold) '	12s (hot) 19	9s (cold) 11s (hot)	
loise level ²		75.0 dB(A)						
	25%	91.5		88.3	88.4		88.5	
Efficiency (%)	50%	91.7	90.0		90.0		90.1	
, (, -)	75%	93.0		91.6	91.		91.7	
	100%	93.0	93.3		93.		93.3	
	25%	0.46	0.48		0.42		0.37	
Power Factor	50% 75%	0.72	0.73		0.6		0.60	
	100%	0.81	0.82 0.85		0.7		0.73	
	100 /0		ivo opd			-	0.13	
Bearing type		<u>Drive end</u> <u>Non dr</u> : 6312 Z C3 621	rive end					
		1114		Max. traction Max. compression				
Sealing			ing Seal					
Lubrication interv	val		000 h					
Lubricant amoun			11 g					
Lubricant type			: Mobil Polyrex EM					
Notes USABLE @208V	130A SF 1.7	15 SFA 149A		1				
must be eliminate (1) Looking the m (2) Measured at 1	ed. lotor from the Im and with t weight subjec	ncel the previous one, where the previous one, where the shaft end. tolerance of +3dB(A). to changes after	hich		average values b ly, subject to the		with sinusoidal pulated in NEMA	
		Changes Summary	,		Performed	Checked	Date	
(4) At 100% of ful Rev.								
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Rev.						Page 1 / 21	Revision	



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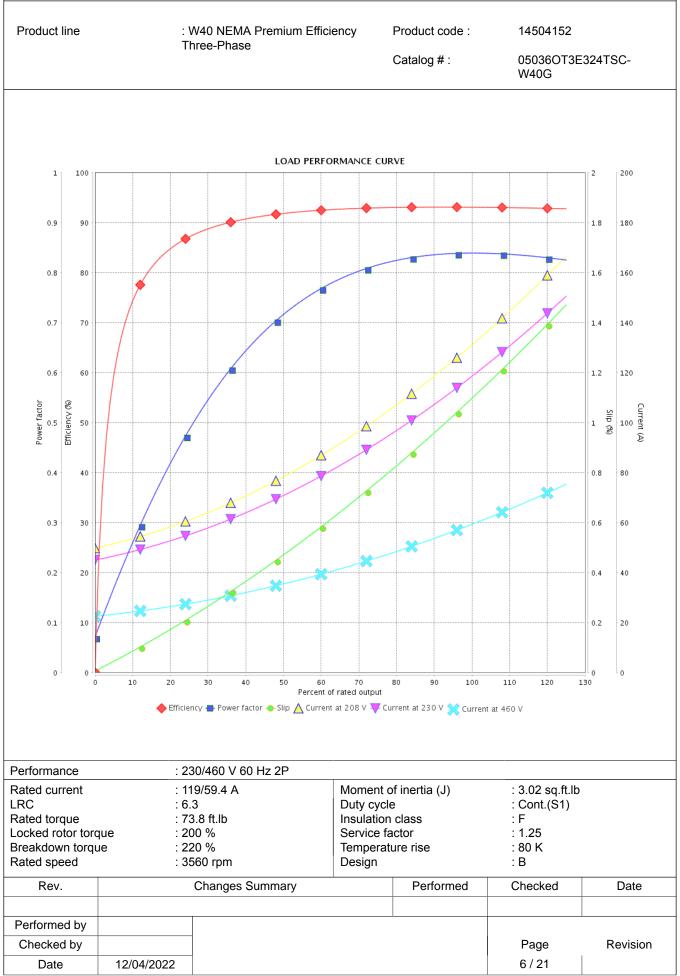
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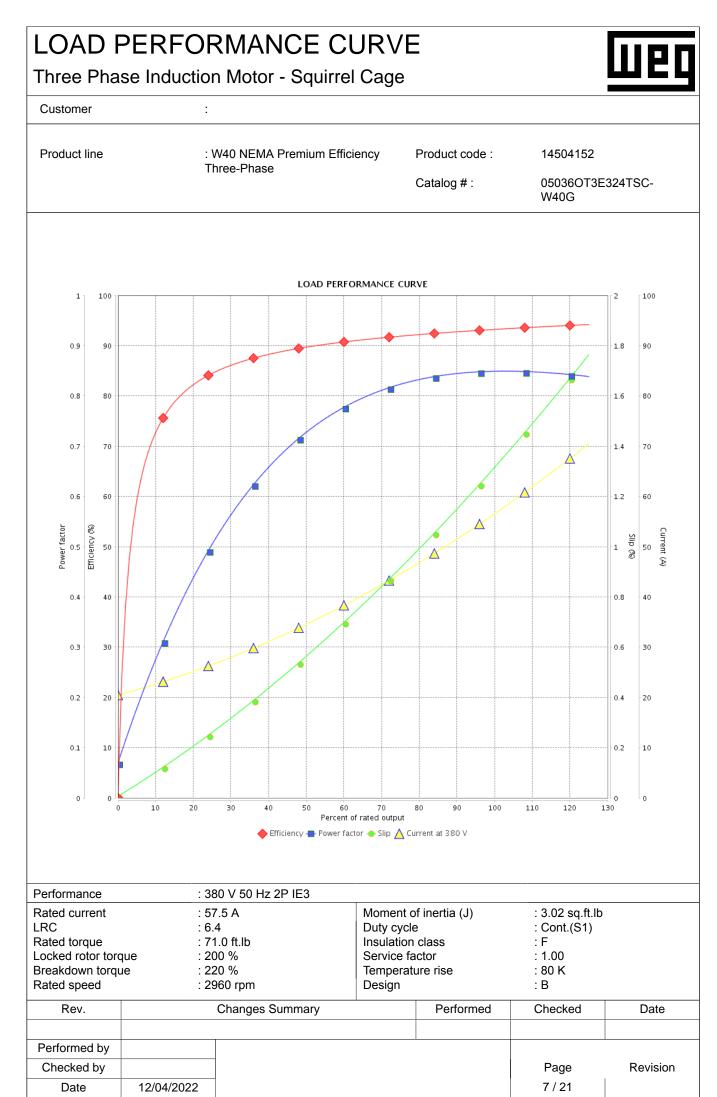
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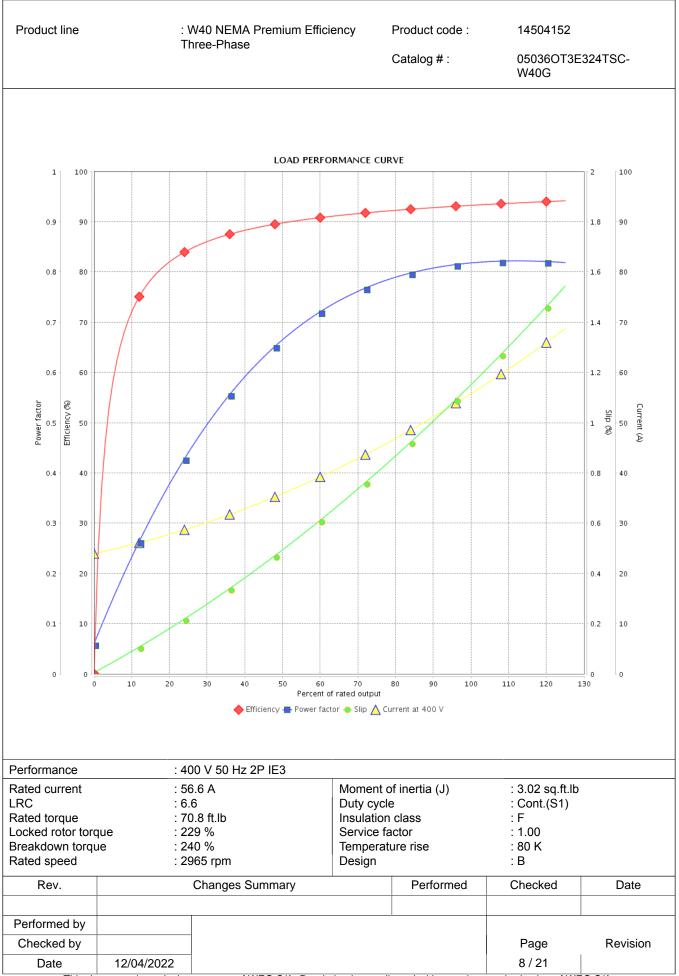
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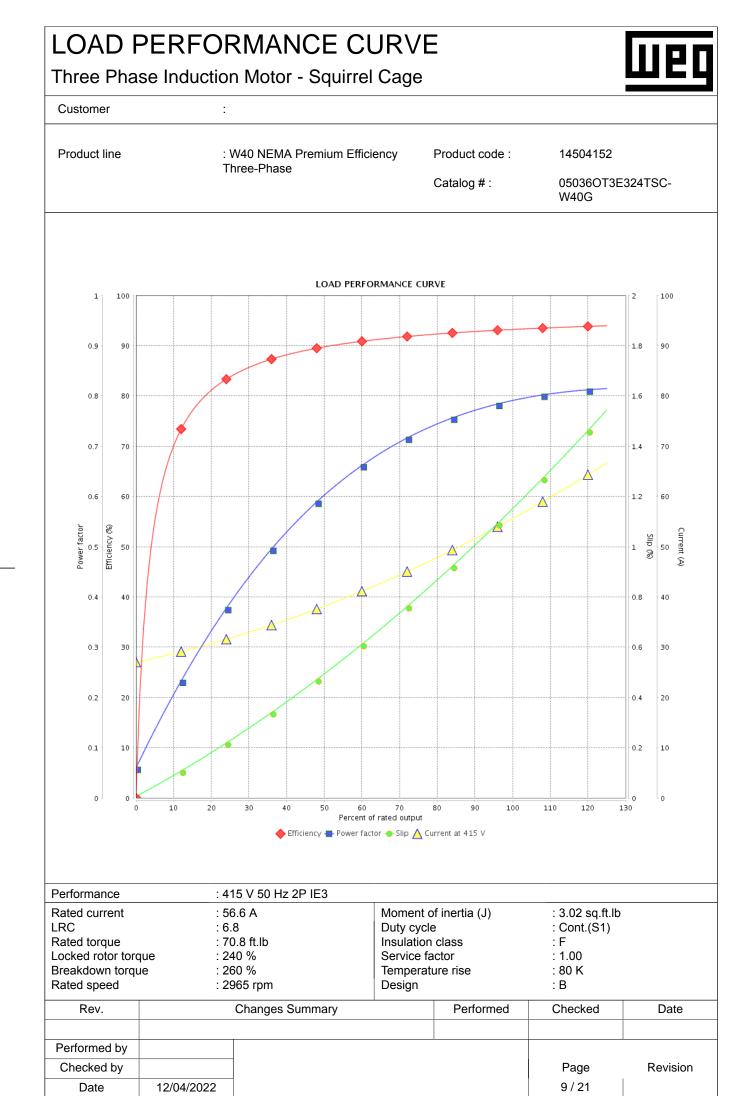
Three Phase Induction Motor - Squirrel Cage

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Customer





Three Phase Induction Motor - Squirrel Cage

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Rev.

Customer			
Product line	: W40 NEMA Premium Efficier	ncy Product code :	14504152
	Three-Phase	Catalog # :	05036OT3E324TSC- W40G
Performance	: 230/460 V 60 Hz 2P		0.00
Rated current LRC	: 6.3	Moment of inertia (J) Duty cycle	: 3.02 sq.ft.lb : Cont.(S1)
Rated torque Locked rotor torque	: 200 %	Insulation class Service factor	: F : 1.25
Breakdown torque Rated speed		Temperature rise Design	: 80 K : B
Heating constant		-	
Cooling constant			

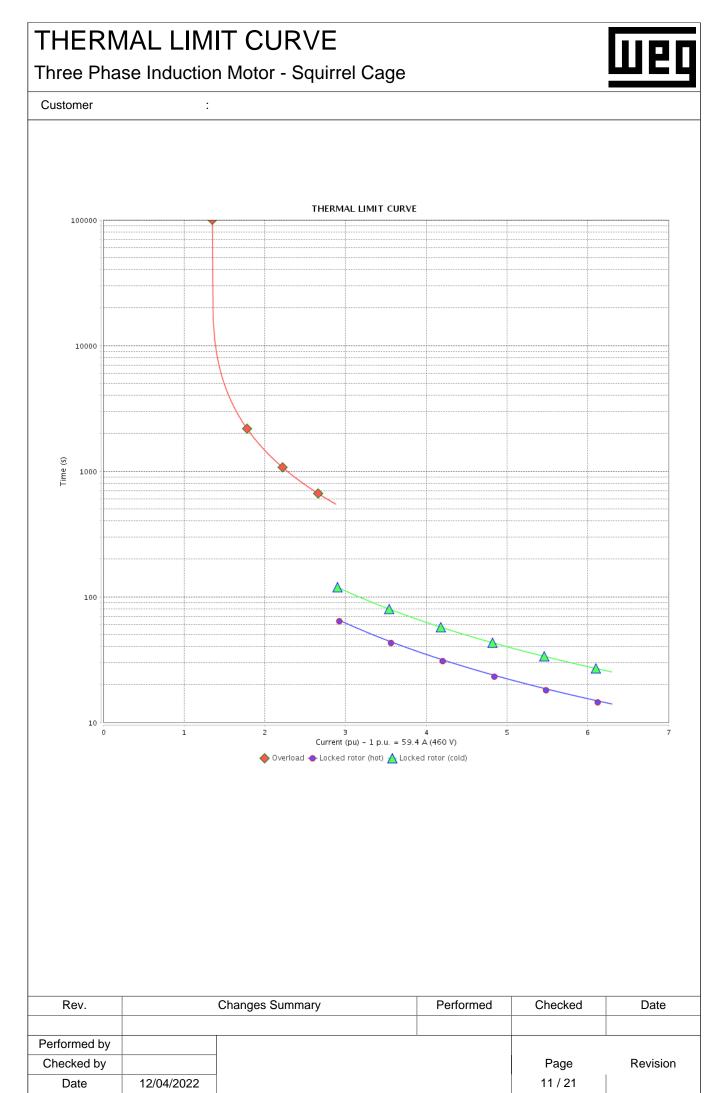
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Changes Summary

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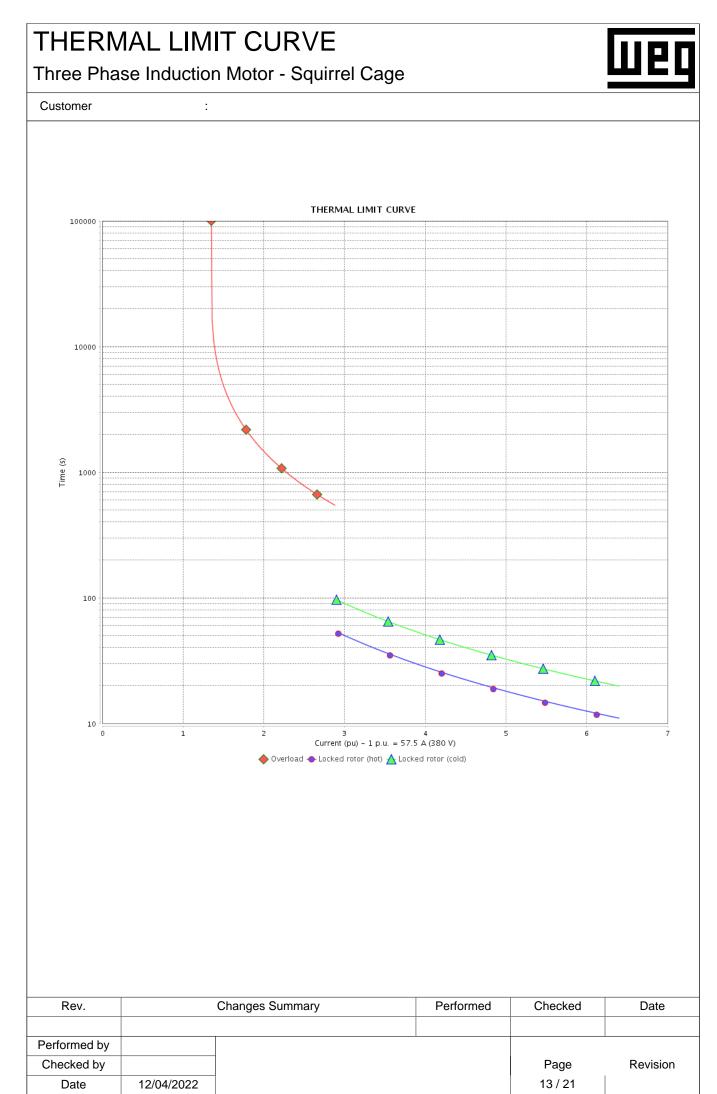
Three Phase Induction Motor - Squirrel Cage

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Product line	: W40 NEMA Premium Efficiency Three-Phase		Product code :	14504152		
	111100-1111050		Catalog # :	05036OT3E324TSC- W40G		
Performance	: 380 V 50 Hz 2P IE3					
Rated current	: 57.5 A	Moment	of inertia (J)	: 3.02 sq.ft.lb		
LRC	: 6.4	Duty cycl	е	: Cont.(S1)		
Rated torque Locked rotor torque	: 71.0 ft.lb : 200 %	Insulation class Service factor		: F : 1.00		
Breakdown torque	: 220 %	Temperat		: 80 K		
Rated speed	: 2960 rpm	Design		: B		
Heating constant						
Cooling constant	Ohan maa O		Derfer			
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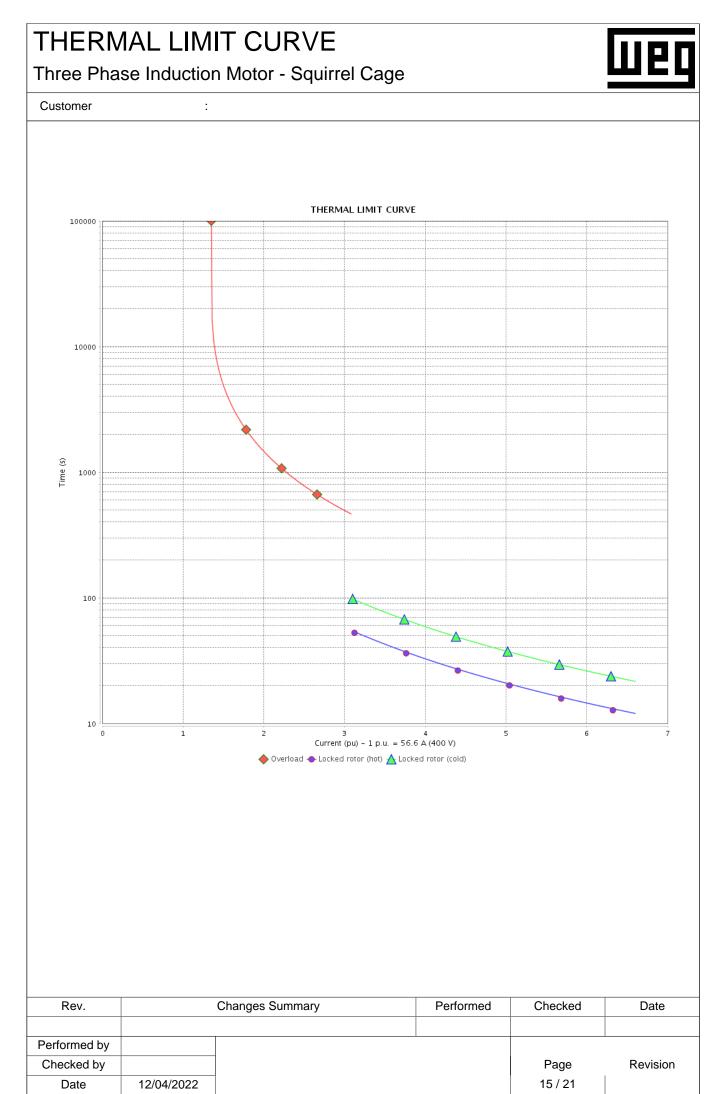
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Product line		: W40 NEMA Premium Efficiency		Product code :	14504152	14504152	
		Three-Phase		Catalog # :	05036OT3E3 W40G	324TSC-	
Performance		: 400 V 50 Hz 2P IE3					
Rated current LRC		: 56.6 A : 6.6		f inertia (J)	: 3.02 sq.ft.lb		
Rated torque		: 70.8 ft.lb	Duty cycle : Cont.(S1) Insulation class : F				
Locked rotor torq	ue	: 229 %	Service fa	ctor	: 1.00		
Breakdown torqu Rated speed		: 240 % : 2965 rpm	Temperatu Design	ure rise	: 80 K : B		
		. 2000 ipin	Design		u . 		
Heating constant							
Cooling constant Rev.		Changes Summary		Performed	Checked	Date	
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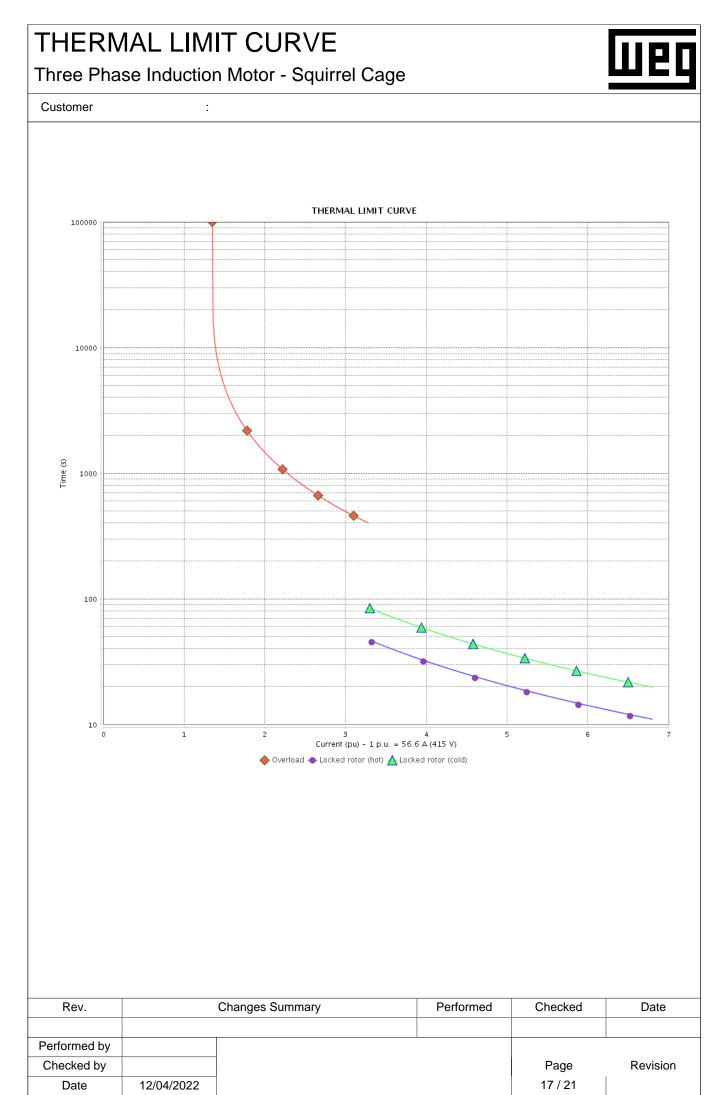
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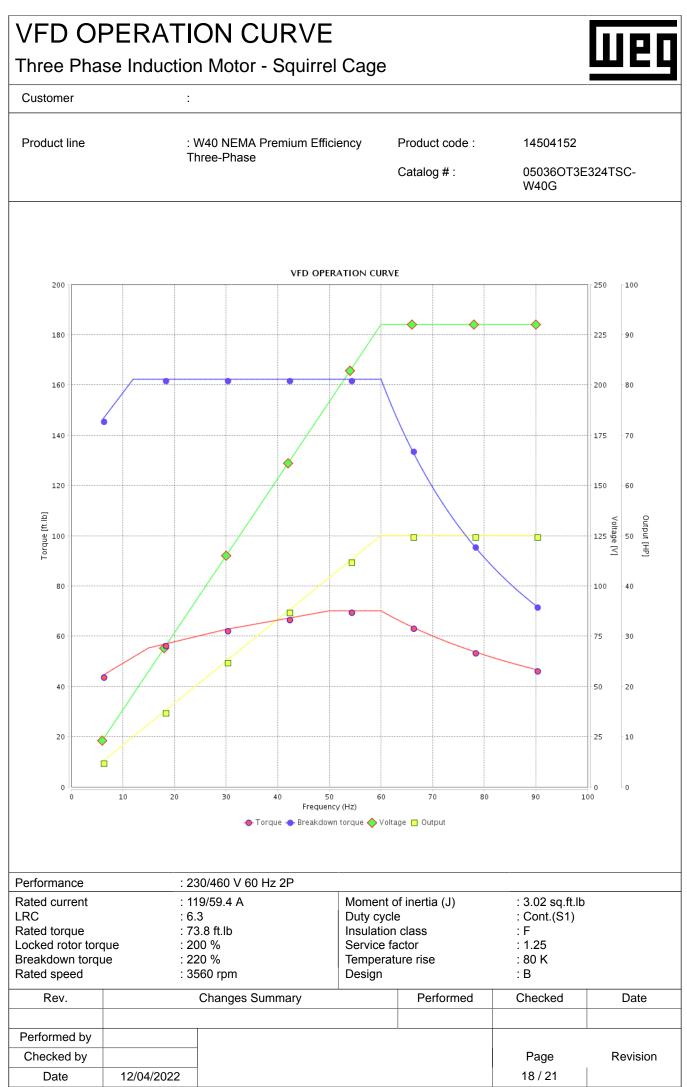


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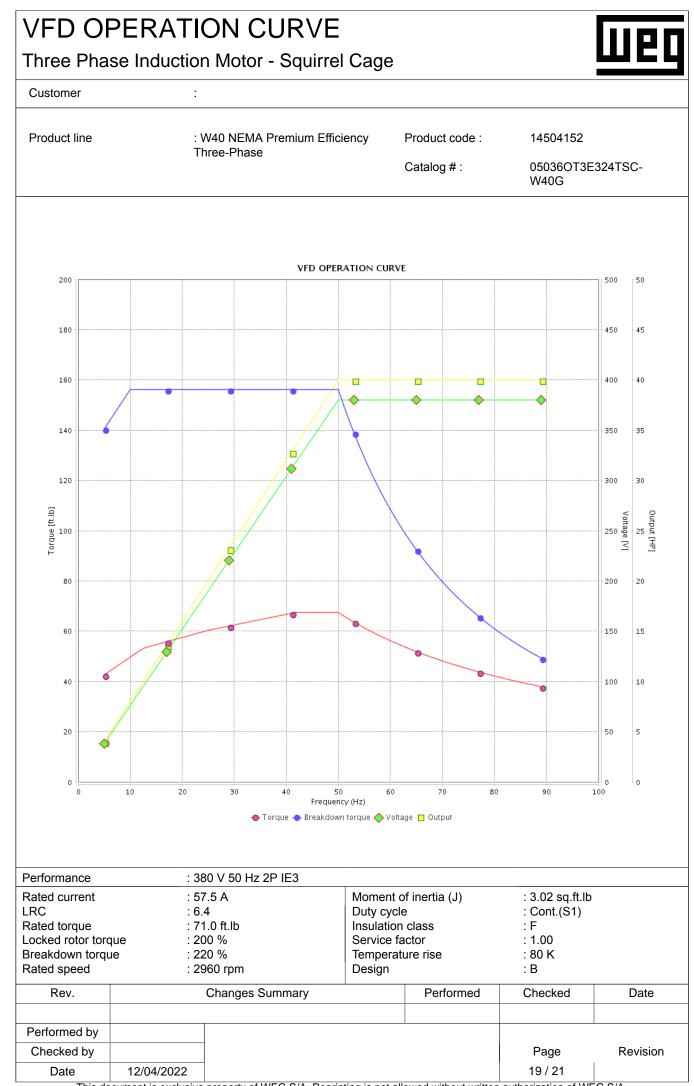
Product line	: W40 NEMA Premium Ef Three-Phase	iciency	Product code : Catalog # :	14504152 05036OT3E324TSC-		
				W40G		
Performance	: 415 V 50 Hz 2P IE3					
Rated current	: 56.6 A	Moment o	of inertia (J)	: 3.02 sq.ft.lb		
LRC Rated torque	: 6.8 : 70.8 ft.lb	Duty cycle Insulation	e L class	: Cont.(S1) : F		
Locked rotor torg		Service fa		: 1.00		
Breakdown torqu	e : 260 %	Temperat		: 80 K		
Rated speed	: 2965 rpm	Design		: B		
Heating constant						
Cooling constant						
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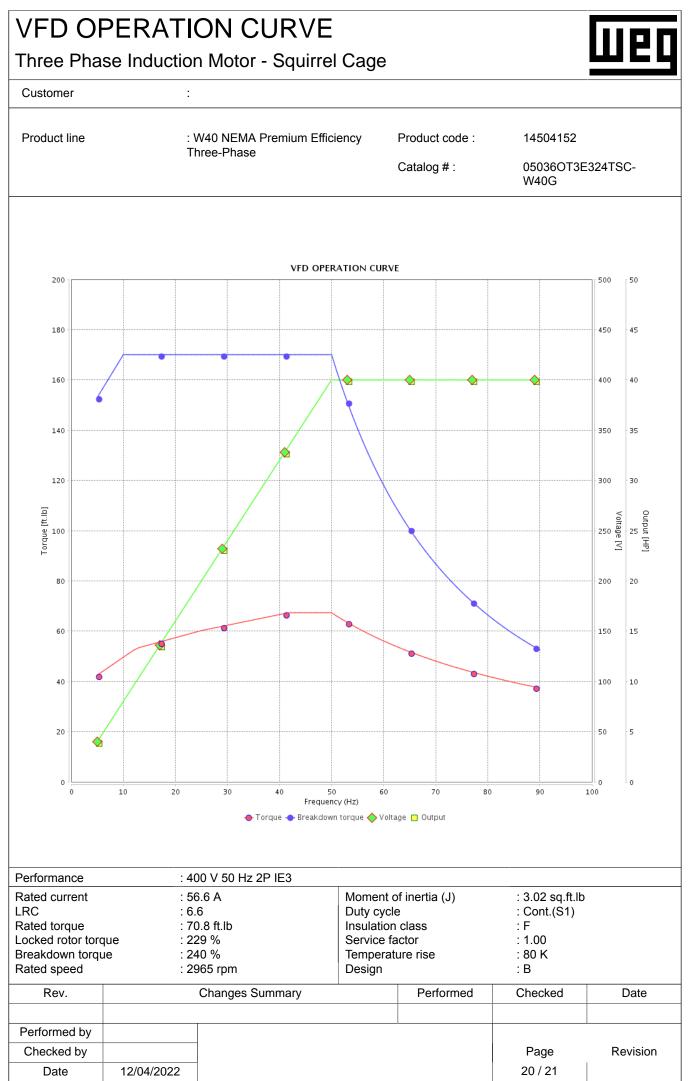
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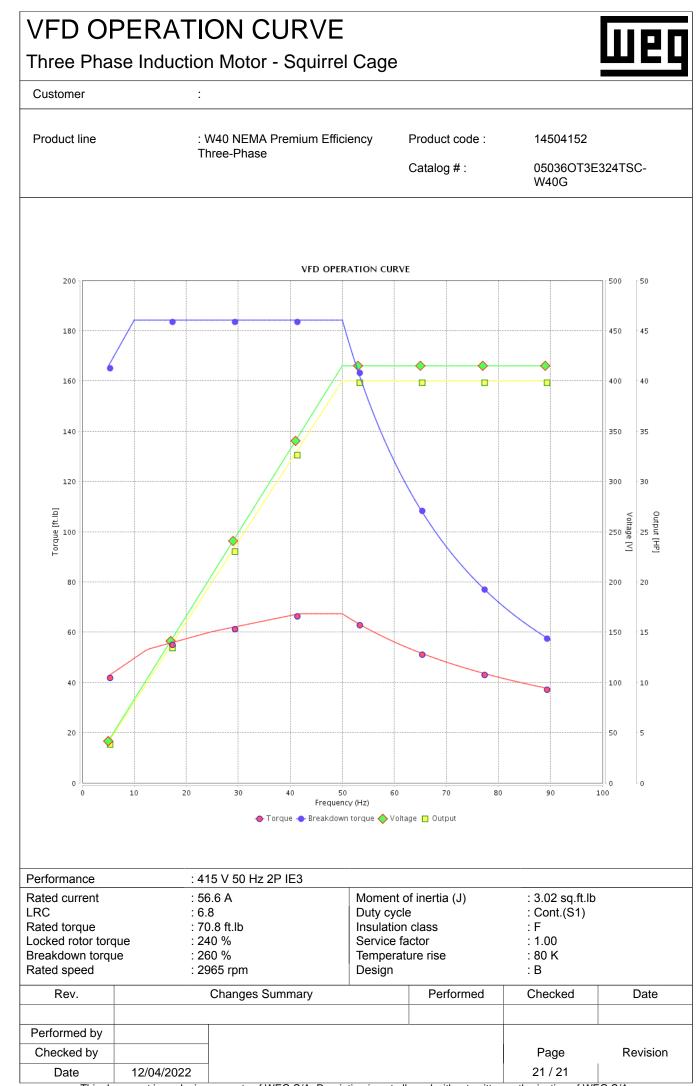


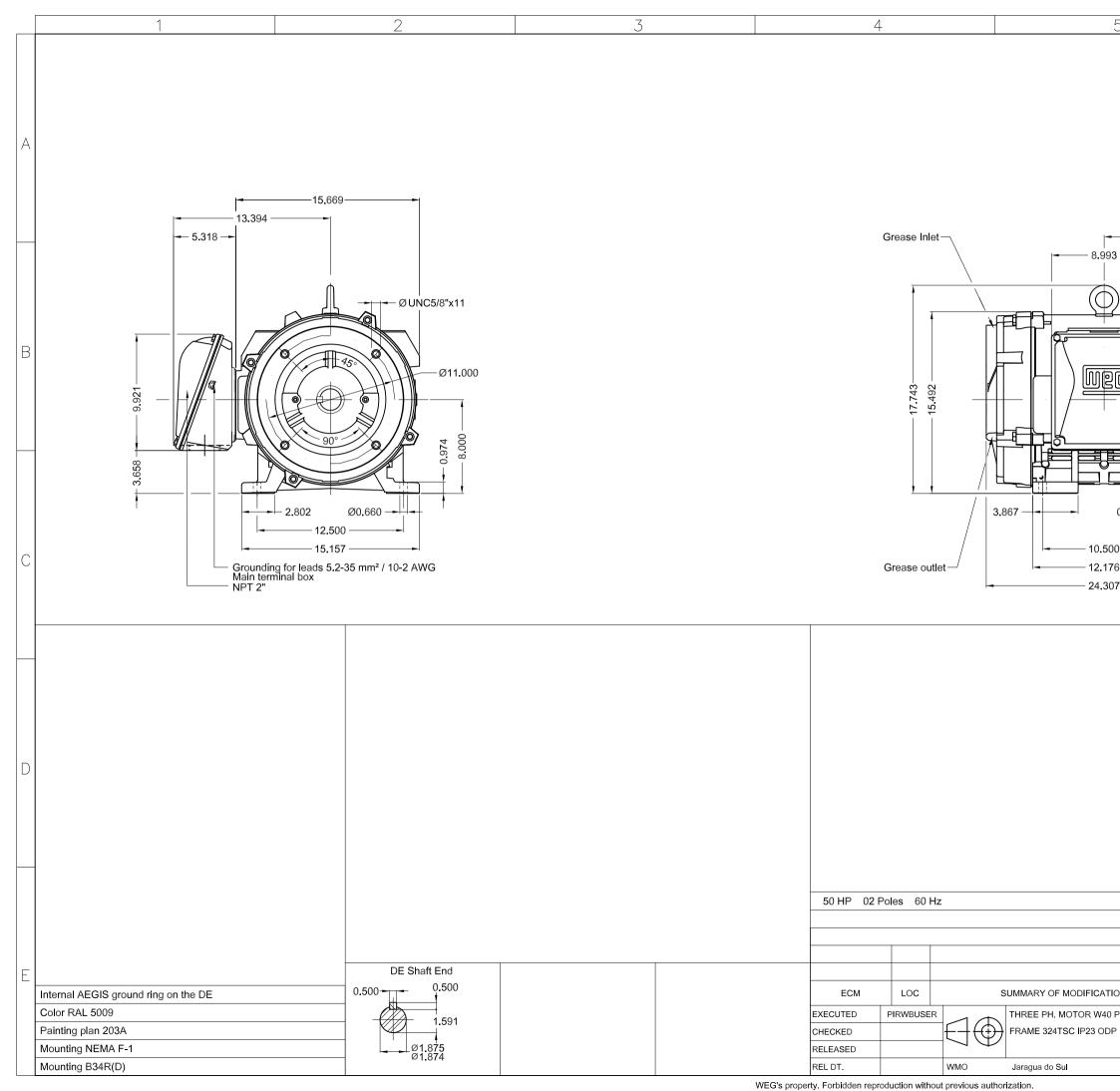


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