DATA SHEET

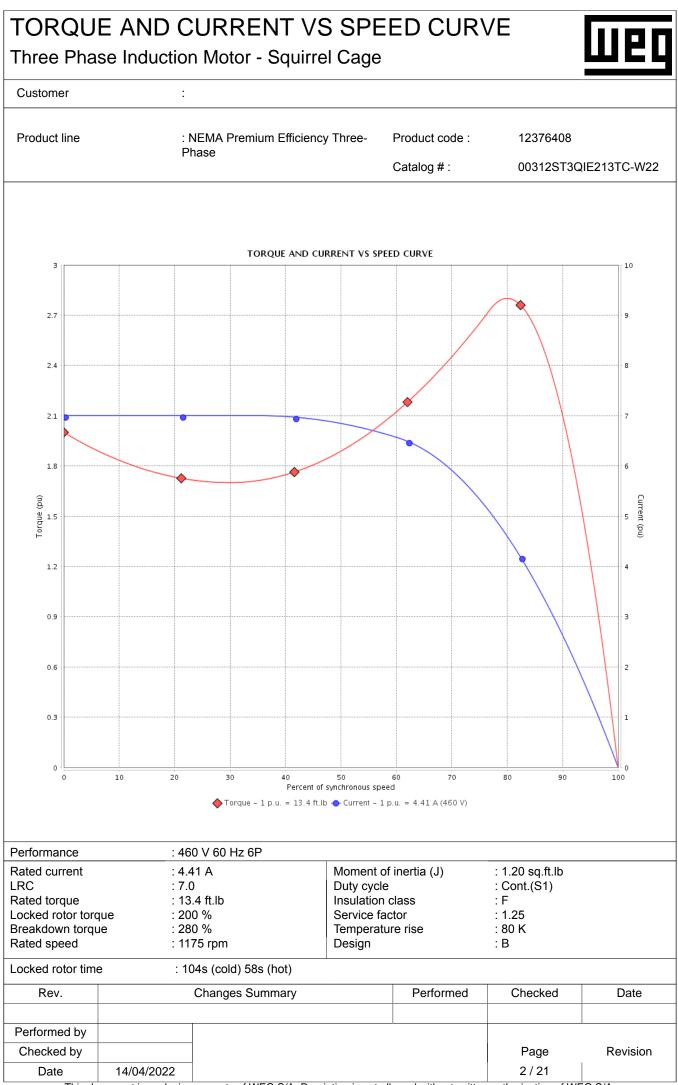
Three Phase Induction Motor - Squirrel Cage

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Customer

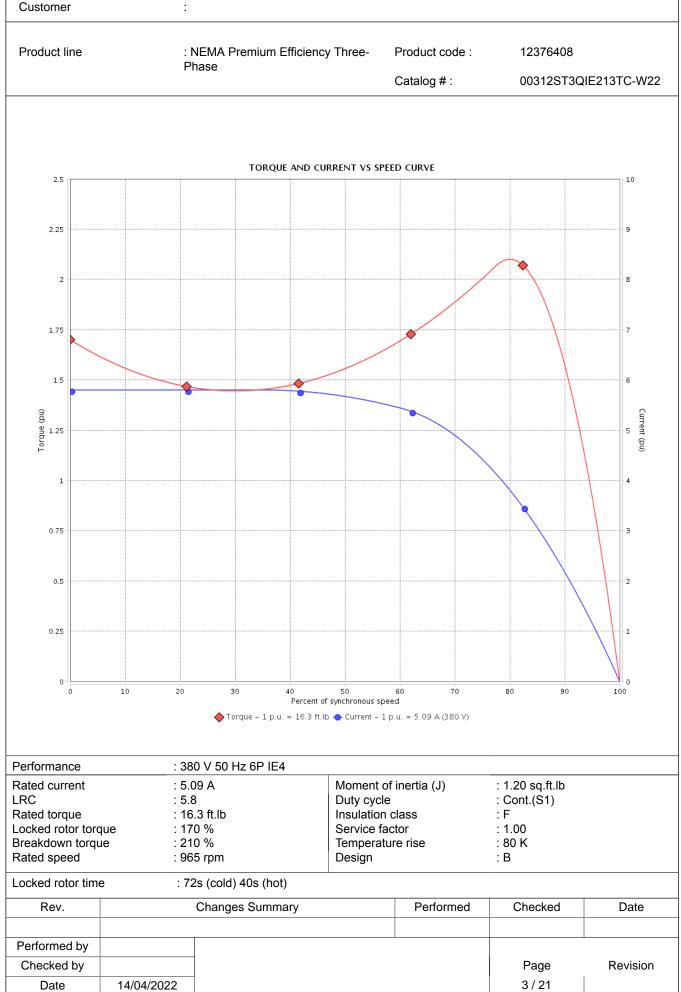
Product line		: NEMA Premium Efficiency Three- Product code : 12376408 Phase			08		
		i naco		Cat	talog # :	003125	T3QIE213TC-W22
Altitude	Insulation class: FMountingDuty cycle: Cont.(S1)Rotation1Ambient temperature: -20°C to +40°CStarting methodAltitude: 1000 m.a.s.l.Approx. weight3Protection degree: IP55Moment of inertia (J)		ethod eight ³	: F-1 : Both (: Direct : 176 lb	: IC411 - TEFC : F-1 : Both (CW and CCW) : Direct On Line : 176 lb : 1.20 sq.ft.lb		
		: B					
Dutput [HP] Poles		3		3	6		3
Frequency [Hz]		60		50	5		50
Rated voltage [V]		460		380	40		415
Rated current [A]		4.41		5.09	4.9		4.87
. R. Amperes [A]		30.9		29.5	31		33.1
.RC [A]		7.0x(Code K)	5.8	Bx(Code H)	6.4x(C		6.8x(Code J)
No load current [A]	1	2.75	0.0	2.72	2.9	· · ·	3.05
Rated speed [RPN		1175		965	97		970
Slip [%]	.1	2.08		3.50	3.0		3.00
Rated torque [ft.lb]		13.4		16.3		5.2	16.2
_ocked rotor torqu		200		170	20		220
Breakdown torque		280		210	24		270
Service factor	L' "J	1.25		1.00	1.0		1.00
Temperature rise		80 K		80 K	80		80 K
_ocked rotor time		104s (cold) 58s (hot)	72s (d	cold) 40s (hot			72s (cold) 40s (hot)
Noise level ²			55.0 dB(A) 55		53.0 0		53.0 dB(A)
	25%	85.4		88.0	86		86.1
Fff : -: (0()	50%	86.5	87.5		86	6.5	86.5
Efficiency (%)	75%	88.5		88.5	88	3.5	88.5
	100%	89.5		87.5	88		88.5
	25%	0.28		0.33	0.3	30	0.28
Dower Faster	50%	0.50		0.57	0.5	53	0.50
Power Factor	75%	0.63		0.70	0.0	66	0.64
	100%	0.70	0.75		0.7	73	0.71
Drive enBearing type6308 CSealingInpro/SeLubrication interval20000Lubricant amount11 g		: 6308 C3 620 : Inpro/Seal Inpr : 20000 h 200	0000 h 7 g				
Notes			aiah	These ere a		based on too	to with circupcidal
must be eliminate (1) Looking the m (2) Measured at 1	d. otor from the m and with t veight subjec ocess.	icel the previous one, wh shaft end. olerance of +3dB(A). It to changes after	ncn				ts with sinusoidal stipulated in NEMA
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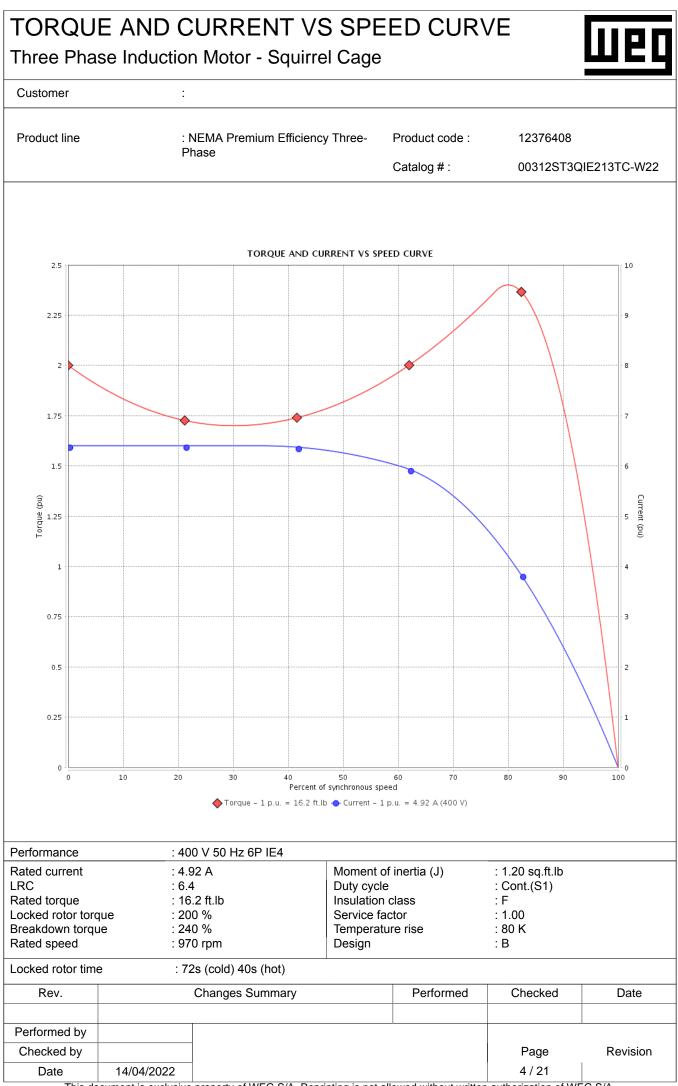
TORQUE AND CURRENT VS SPEED CURVE

Three Phase Induction Motor - Squirrel Cage





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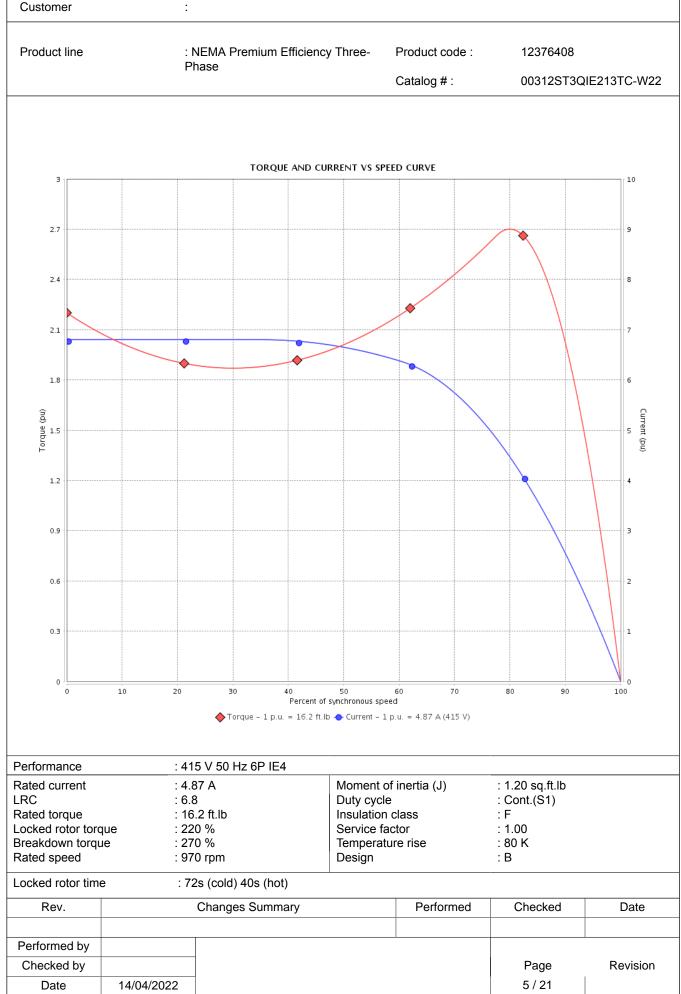


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TORQUE AND CURRENT VS SPEED CURVE

Three Phase Induction Motor - Squirrel Cage

Customer



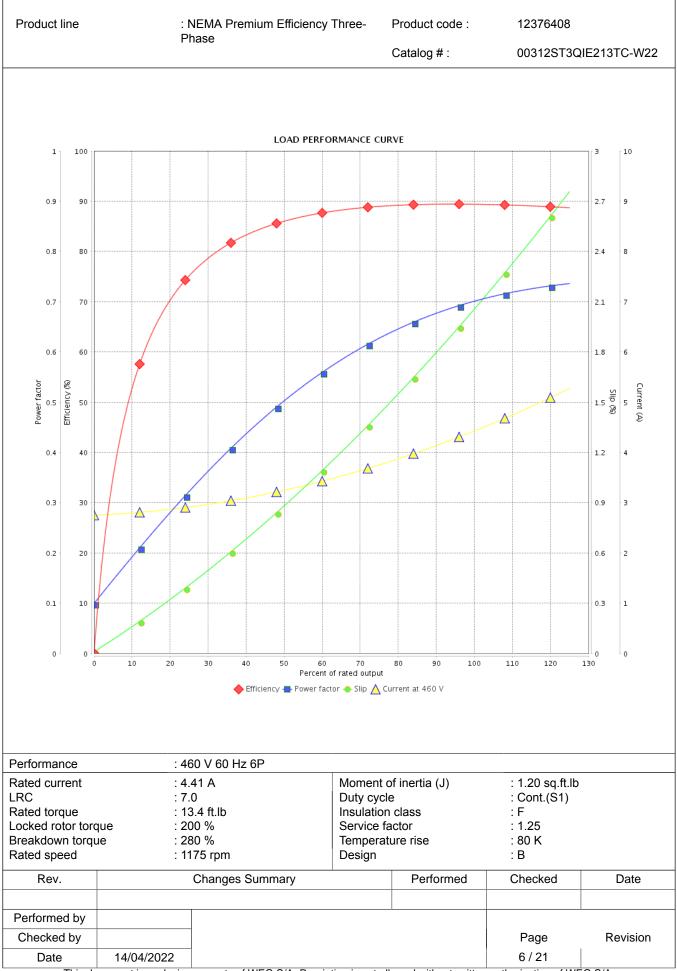
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Three Phase Induction Motor - Squirrel Cage

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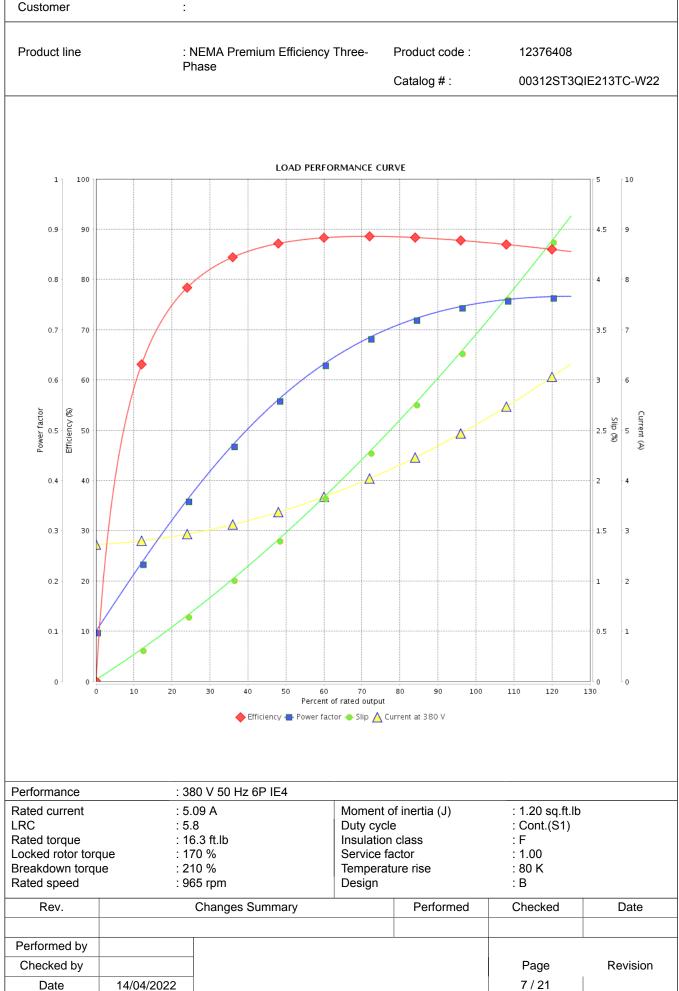


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Three Phase Induction Motor - Squirrel Cage

Customer



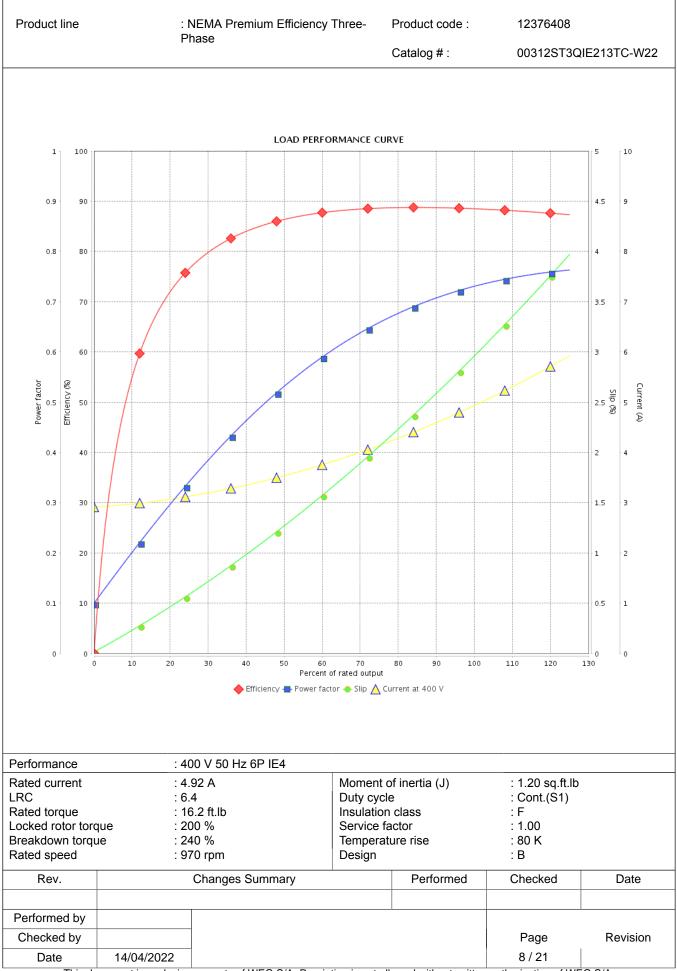
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Three Phase Induction Motor - Squirrel Cage

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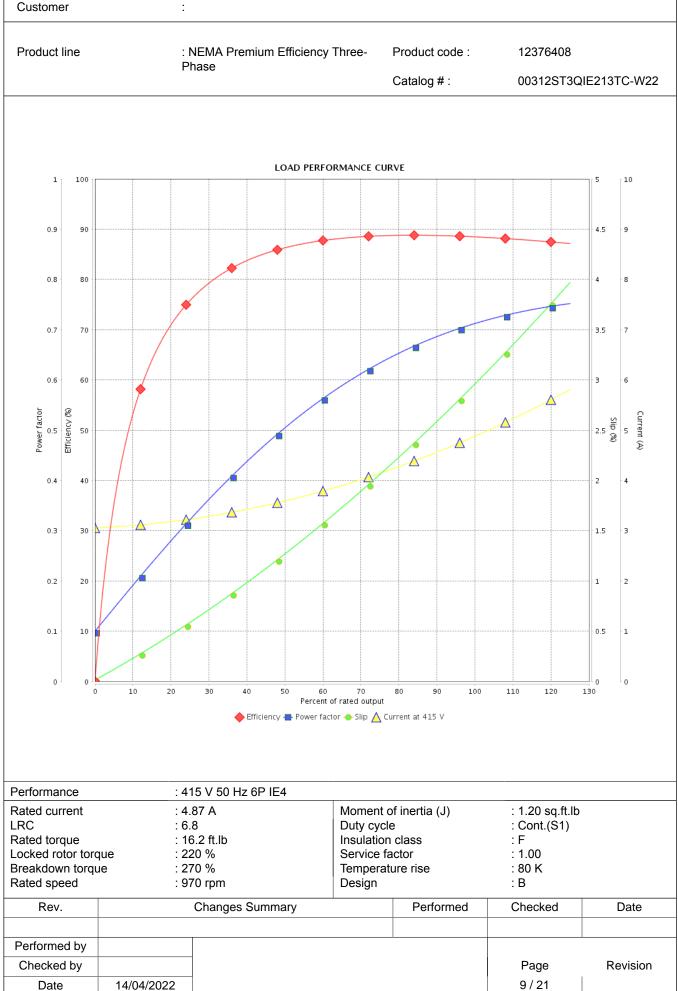


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Three Phase Induction Motor - Squirrel Cage

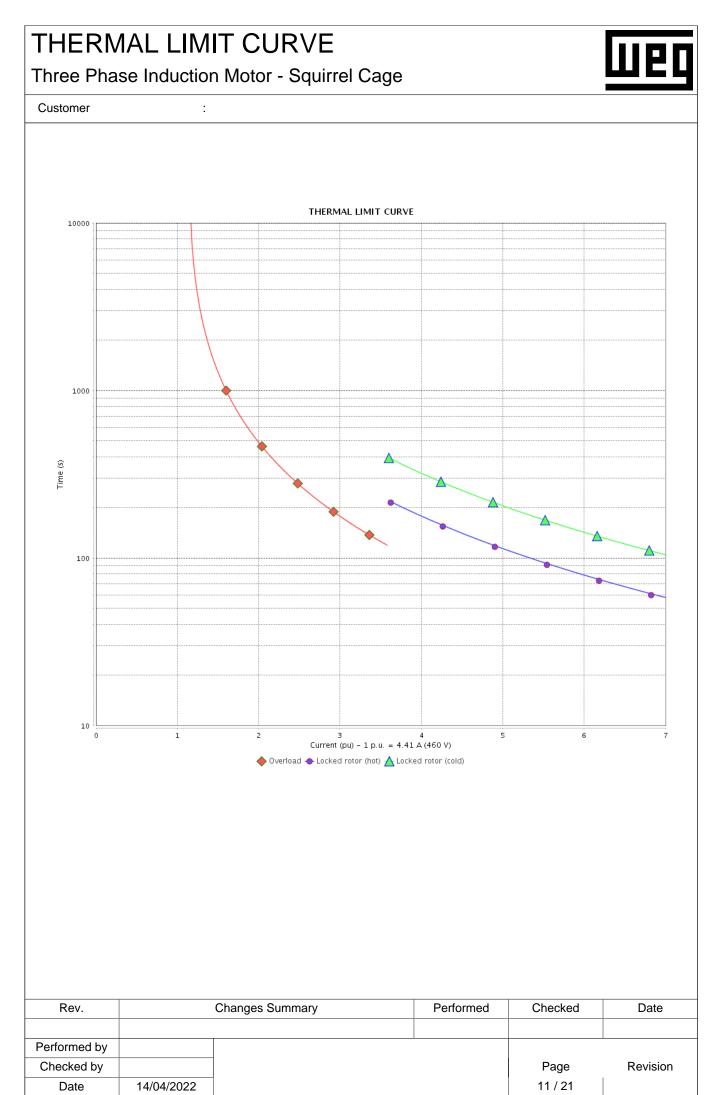
Customer



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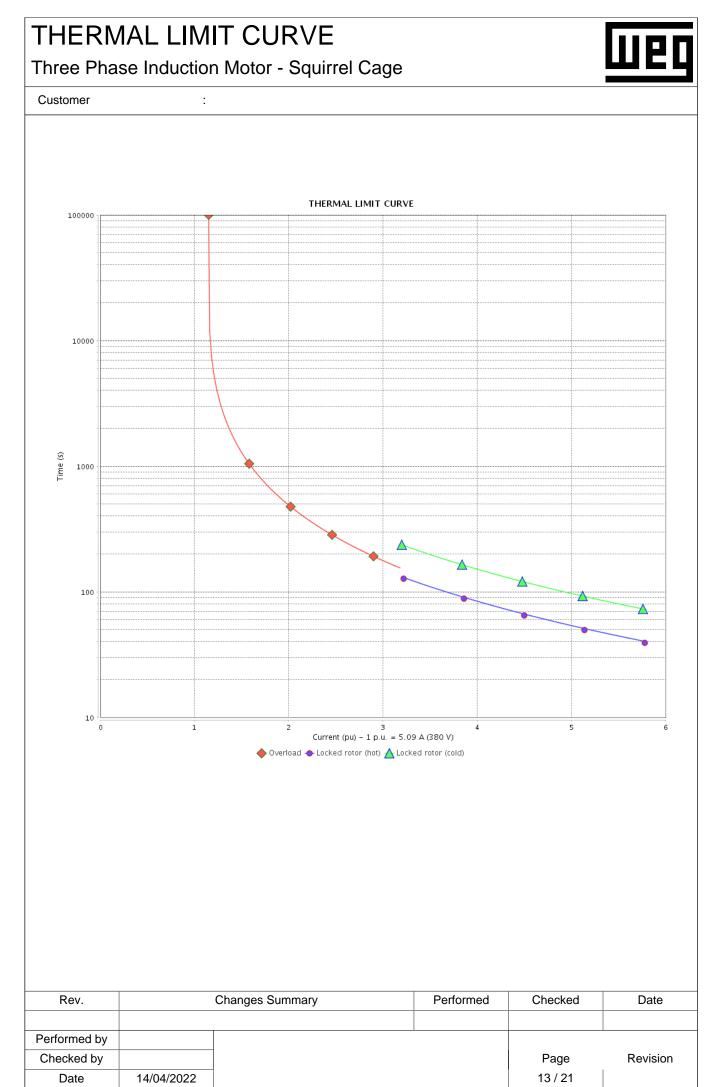
THERMAL LIMIT CURVE Three Phase Induction Motor - Squirrel Cage						
Customer			Cago			
Product line		: NEMA Premium Efficiency Phase		Product code : Catalog # :	12376408 00312ST3Q	IE213TC-W22
Performance		: 460 V 60 Hz 6P				
Rated current LRC Rated torque Locked rotor toro Breakdown torqu Rated speed		: 4.41 A : 7.0 : 13.4 ft.lb : 200 % : 280 %	Duty cycle Insulation Service fa Temperatu	class ctor	: 1.20 sq.ft.lb : Cont.(S1) : F : 1.25 : 80 K : B	
Heating constant		: 1175 rpm	Design		. ט	
Cooling constant						
Rev.		Changes Summary		Performed	Checked	Date

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Checked by				Page	Revision
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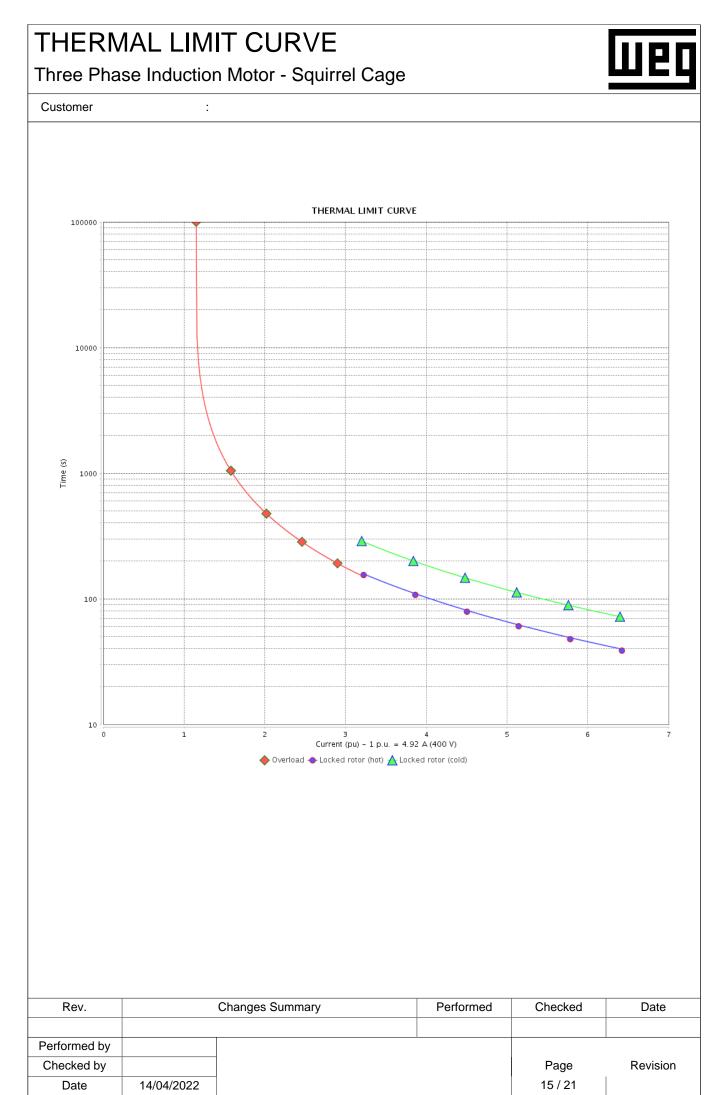
THERMAL LIMIT CURVE Three Phase Induction Motor - Squirrel Cage						
Customer		:				
Product line		: NEMA Premium Efficiency Phase		Product code : Catalog # :	12376408 00312ST3Q	IE213TC-W22
Performance Rated current LRC Rated torque Locked rotor toro Breakdown torqu Rated speed	lne	: 380 V 50 Hz 6P IE4 : 5.09 A : 5.8 : 16.3 ft.lb : 170 % : 210 % : 965 rpm	Moment o Duty cycle Insulation Service fa Temperatu Design	class ctor	: 1.20 sq.ft.lb : Cont.(S1) : F : 1.00 : 80 K : B	
Heating constant Cooling constant						
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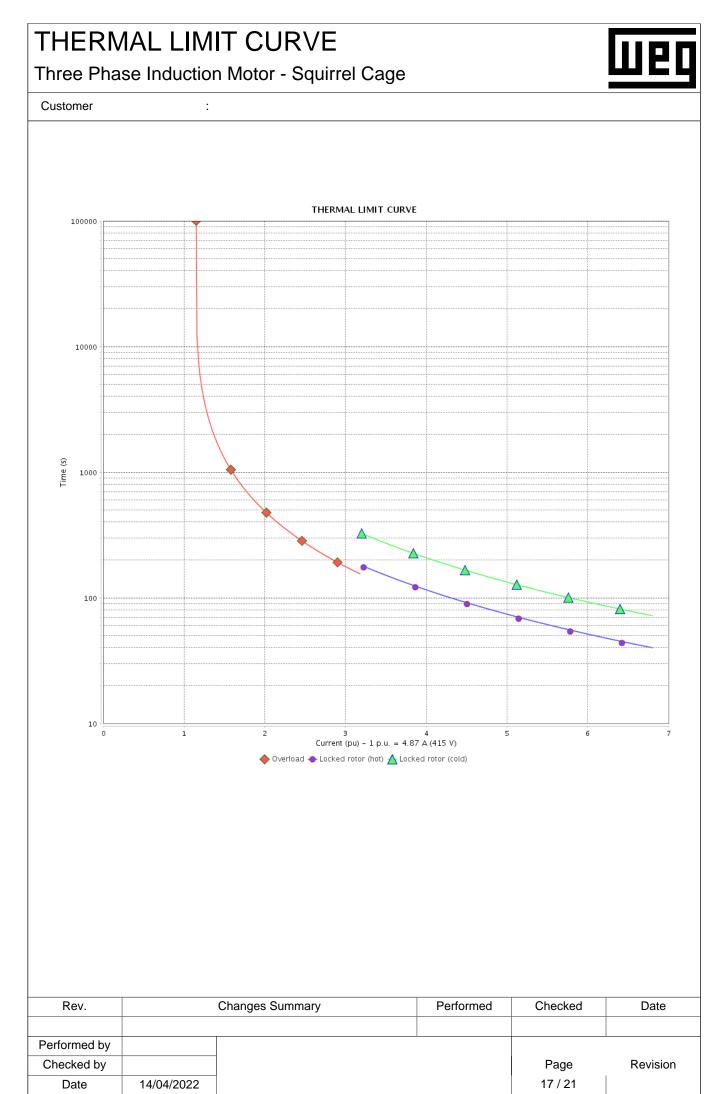
THERMAL LIMIT CURVE Three Phase Induction Motor - Squirrel Cage						
Customer		· ·	0			
Product line		: NEMA Premium Efficiency Phase		Product code : Catalog # :	12376408 00312ST3C	IE213TC-W22
Performance		: 400 V 50 Hz 6P IE4				
Rated current LRC Rated torque Locked rotor toro Breakdown torqu	lne Ie	: 4.92 A : 6.4 : 16.2 ft.lb : 200 % : 240 %	Duty cycle Insulation Service fa Temperatu	class ctor	: 1.20 sq.ft.lb : Cont.(S1) : F : 1.00 : 80 K	
Rated speed Heating constant		: 970 rpm	Design		: B	
Cooling constant						
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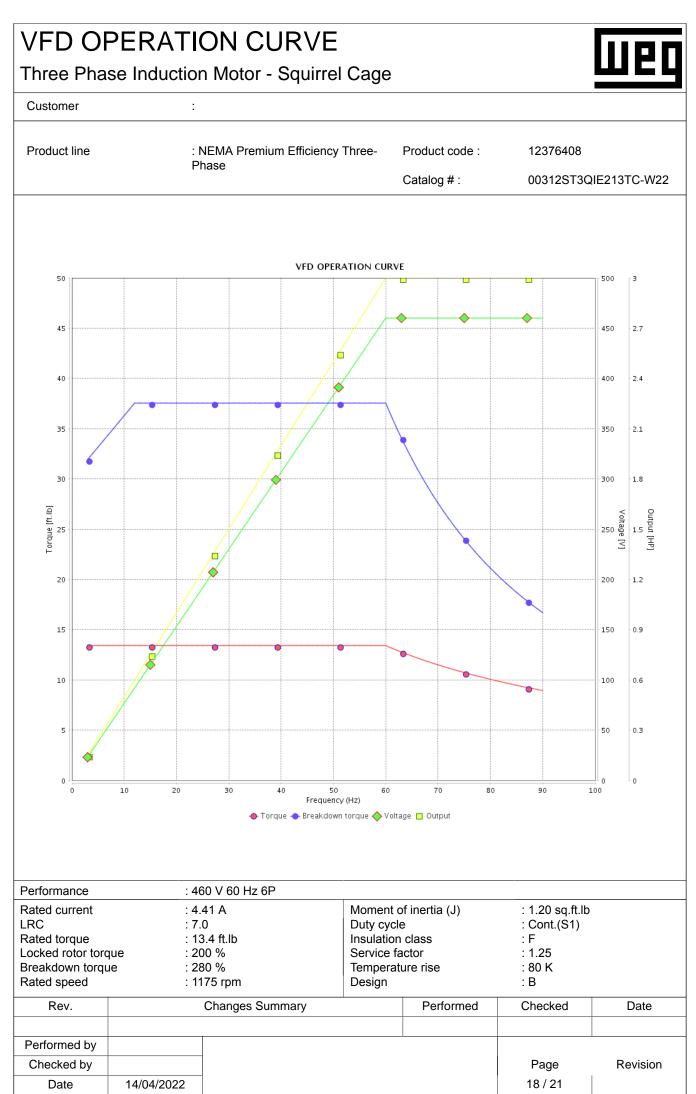
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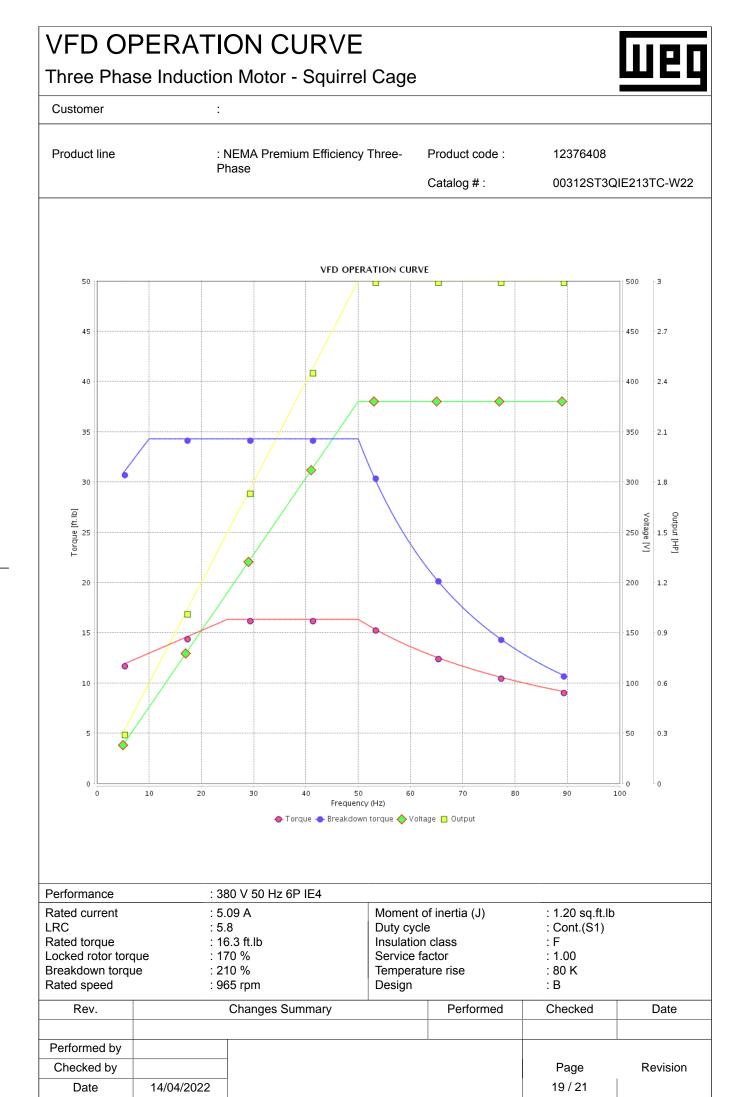
	THERMAL LIMIT CURVE					
Customer		on Motor - Squirrel	Cage			
Product line		NEMA Premium Efficiency T Phase		Product code : Catalog # :	12376408 00312ST3Q	IE213TC-W22
Performance	: 4	415 V 50 Hz 6P IE4				
Rated current LRC Rated torque	: 4	4.87 A 5.8 16.2 ft.lb	Moment o Duty cycle Insulation		: 1.20 sq.ft.lb : Cont.(S1) : F	
Locked rotor toro Breakdown torqu Rated speed	ue :2 Je :2	220 % 270 % 970 rpm	Service fa Temperatu Design	ctor	: F : 1.00 : 80 K : B	
Heating constan	t					
Cooling constant				[
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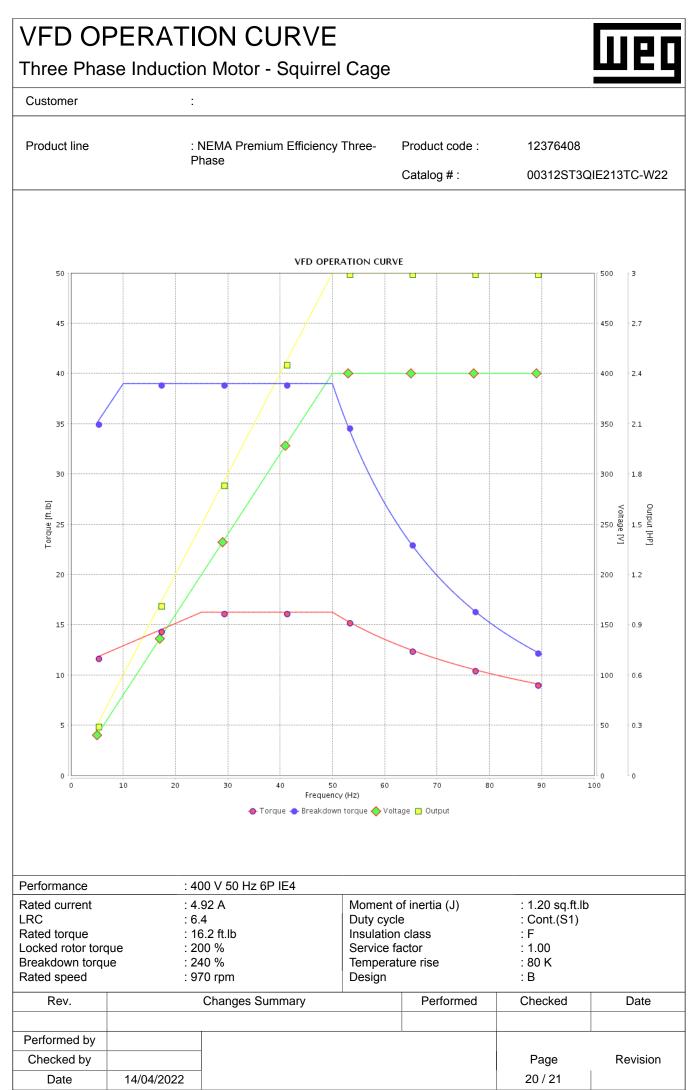


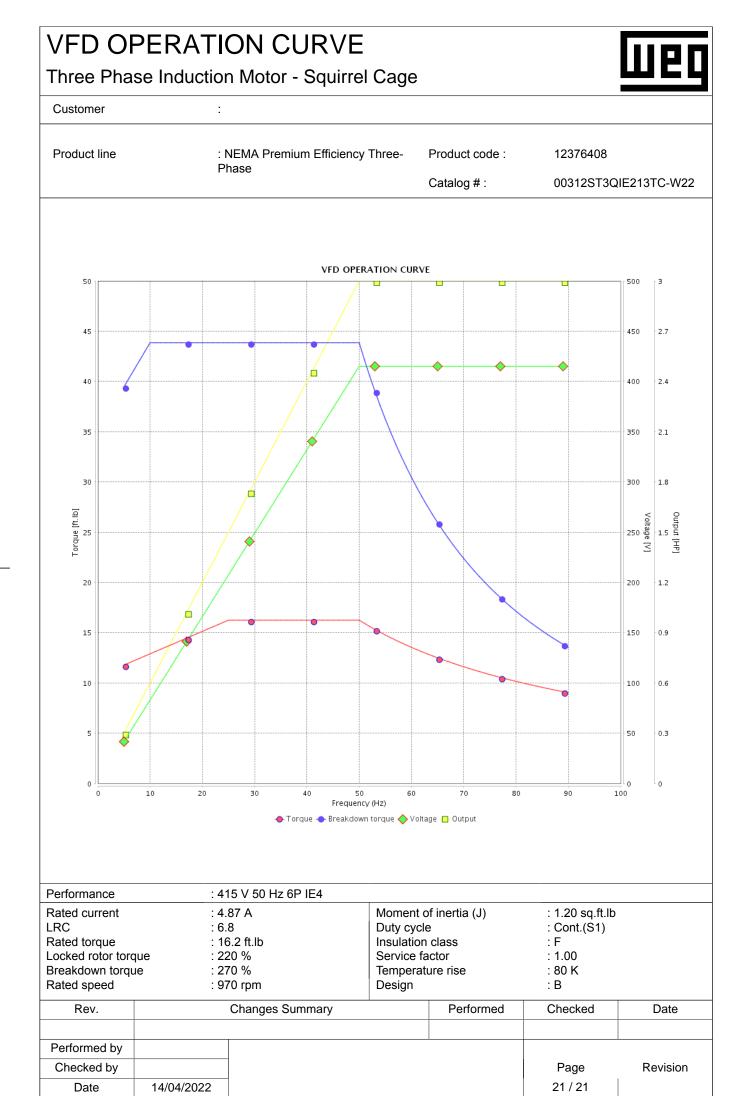


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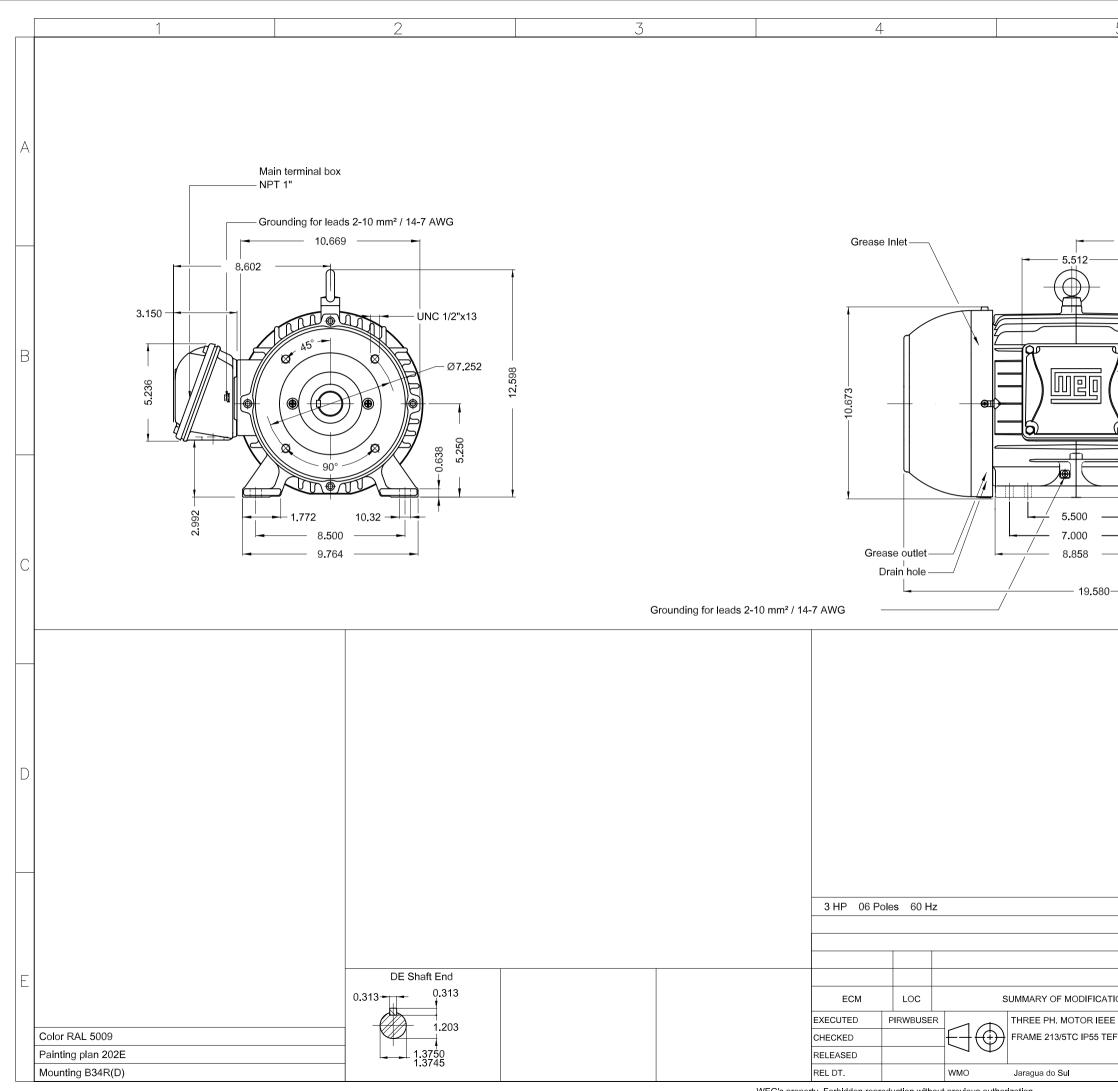


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