DATA SHEET

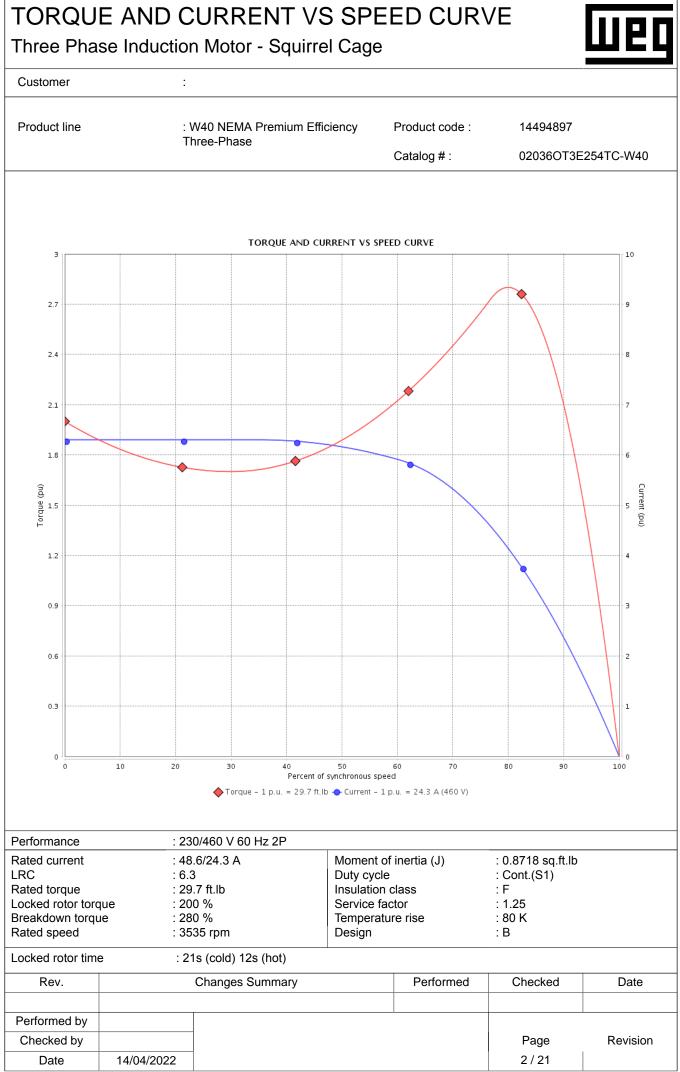
Three Phase Induction Motor - Squirrel Cage

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Customer

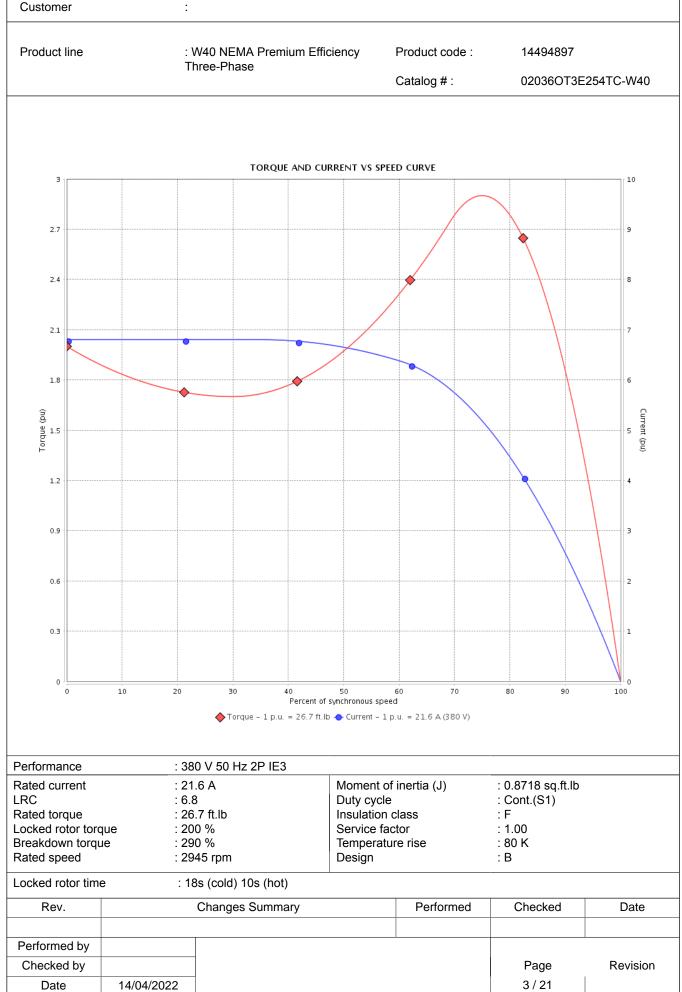
Product line		: W40 NEMA Premium Efficiency			Product code :		14494897	
		Three-Phase		Cata	Catalog # :		02036OT3E254TC-W40	
Frame Insulation class Duty cycle Ambient temperature Altitude Protection degree		: 254TC : F : Cont.(S1) : -20°C to +40°C : 1000 m.a.s.l. : IP23		Cooling method Mounting Rotation ¹ Starting method Approx. weight ³ Moment of inertia (J)		: IC01 - ODP : F-1 : Both (CW and CCW) : Direct On Line : 213 lb : 0.8718 sq.ft.lb		
Design Dutput [HP]		: B 20		15	15	-	15	
Poles		20		15 2	15		15 2	
Frequency [Hz]		60		50	50		50	
Rated voltage [V]		230/460		380	40		415	
Rated current [A]		48.6/24.3		21.6	21.		21.5	
. R. Amperes [A]		306/153		147	142		148	
R. Amperes [A] .RC [A]		6.3x(Code G)	60	Bx(Code H)	6.7x(Co		6.9x(Code J)	
No load current [A	1	16.8/8.40	0.0	8.00	9.3		10.3	
		3535		2945	9.3		2955	
Rated speed [RPN	/1]	1.81		I			1.50	
Slip [%] Rated torque [ft.lb	1				1.6 26.		26.7	
ocked rotor torqu					220		229	
Breakdown torque	: [%]		280		320		350	
Service factor		1.25			1.0		1.00	
Temperature rise		80 K	40	80 K	80		80 K	
ocked rotor time		21s (cold) 12s (hot)	188 (0	cold) 10s (hot)	19s (cold)	its (not)	19s (cold) 11s (hot)	
loise level ²	050/	00.0		05.0	05	0	05.0	
	25%	90.0		85.6	85.		85.9	
Efficiency (%)	50%	90.2		88.0	88.		88.2	
	75%	91.0		88.5	88.		88.7	
	100%	91.0		91.2	91.		91.2	
	25%	0.48		0.46	0.3		0.35	
Power Factor	50%	0.72		0.69	0.6		0.57	
	75%	0.82		0.80	0.7		0.70	
	100%	0.85		0.85	0.8	2	0.78	
Bearing type:Sealing:Lubrication interval:Lubricant amount:		: Without Wi Bearing Seal Beari : 20000 h 20 : 13 g	6309 Z C36209 Z C3Max. tractionWithoutWithoutMax. compressionBearing SealBearing Seal20000 h20000 h					
Lubricant type Notes USABLE @208V	53.7A SF 1.		_1V1					
must be eliminate (1) Looking the m (2) Measured at 1	ed. lotor from the lm and with t weight subjec ocess.	ncel the previous one, wh e shaft end. tolerance of +3dB(A). ct to changes after	hich				s with sinusoidal tipulated in NEMA	
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Performed by Checked by Date	14/04/202					Page 1 / 21	Revision	



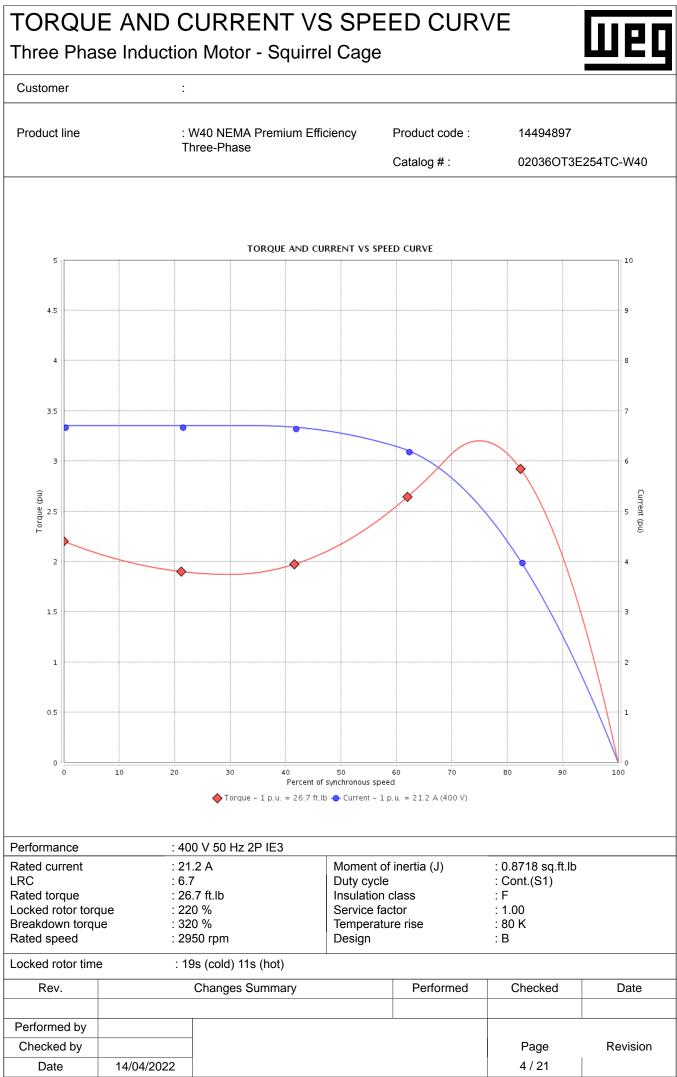
TORQUE AND CURRENT VS SPEED CURVE

Three Phase Induction Motor - Squirrel Cage

Customer



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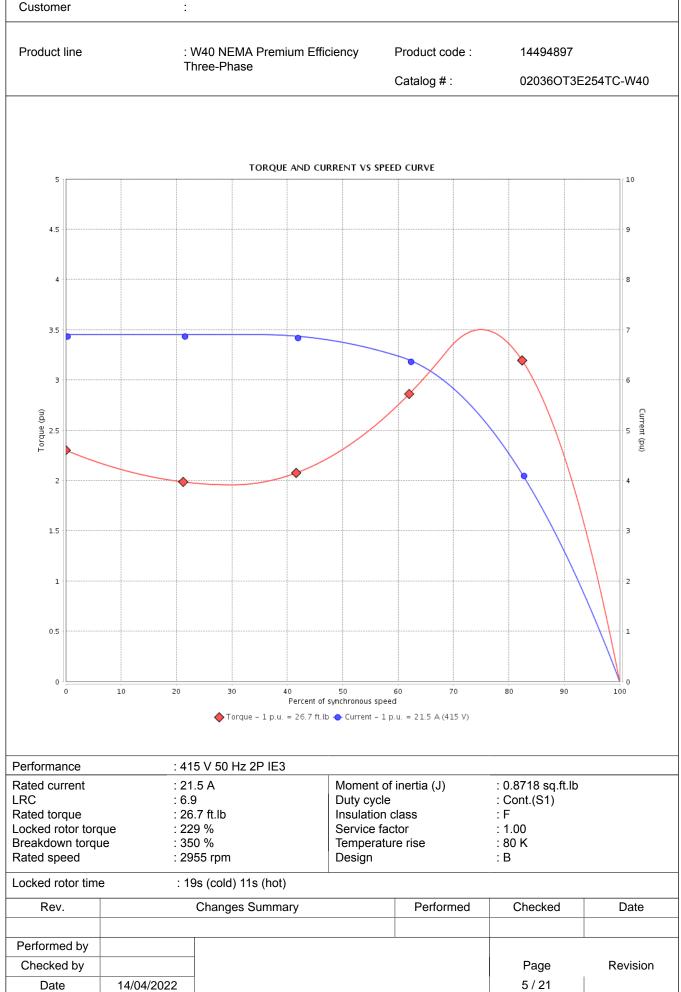


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TORQUE AND CURRENT VS SPEED CURVE

Three Phase Induction Motor - Squirrel Cage

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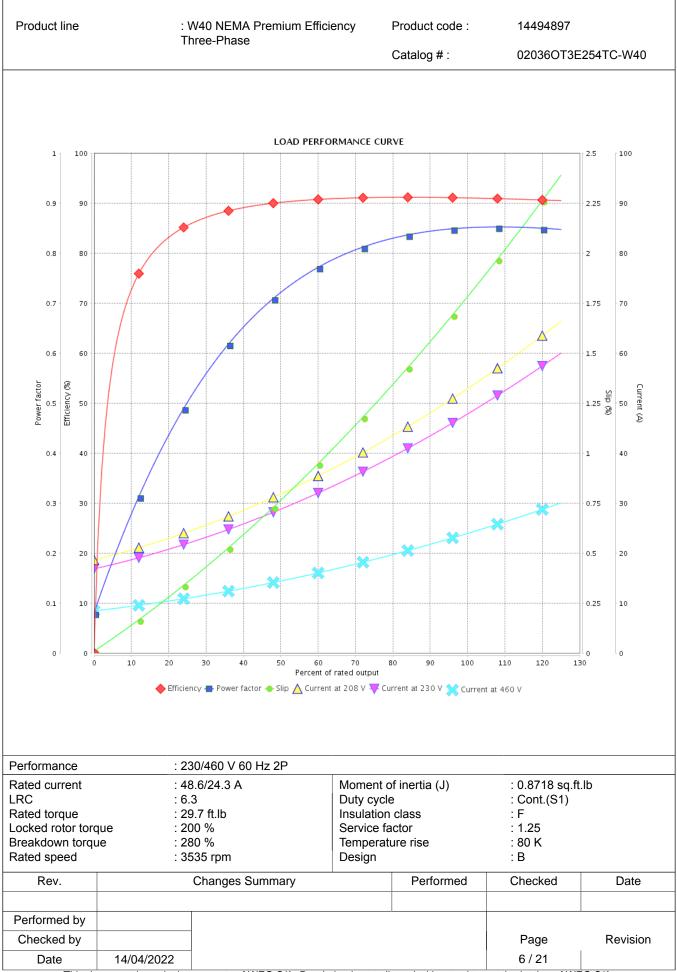
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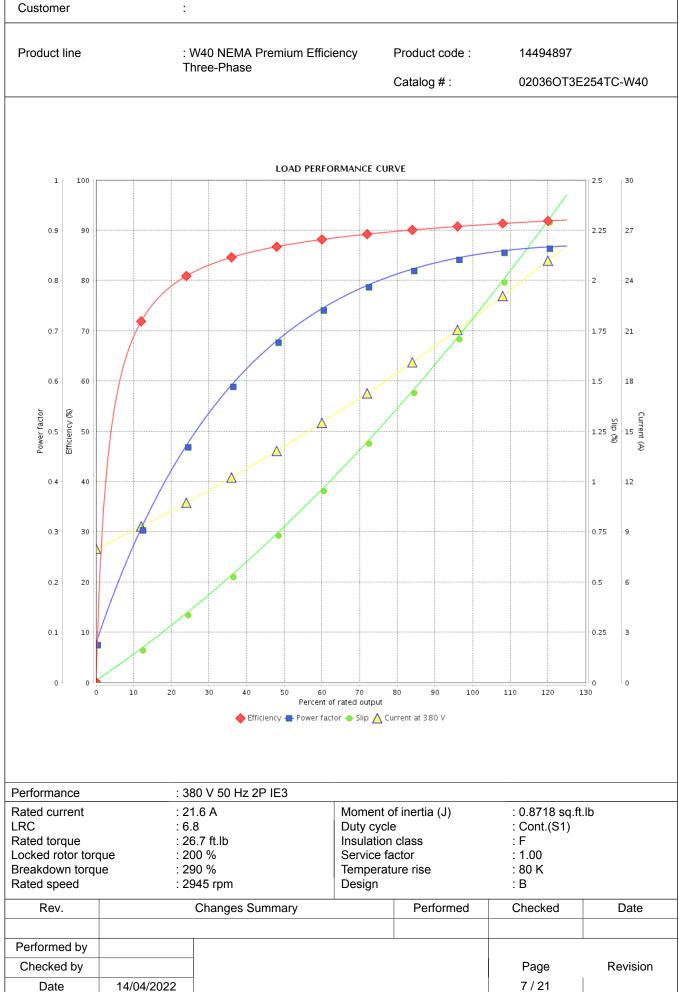


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Three Phase Induction Motor - Squirrel Cage

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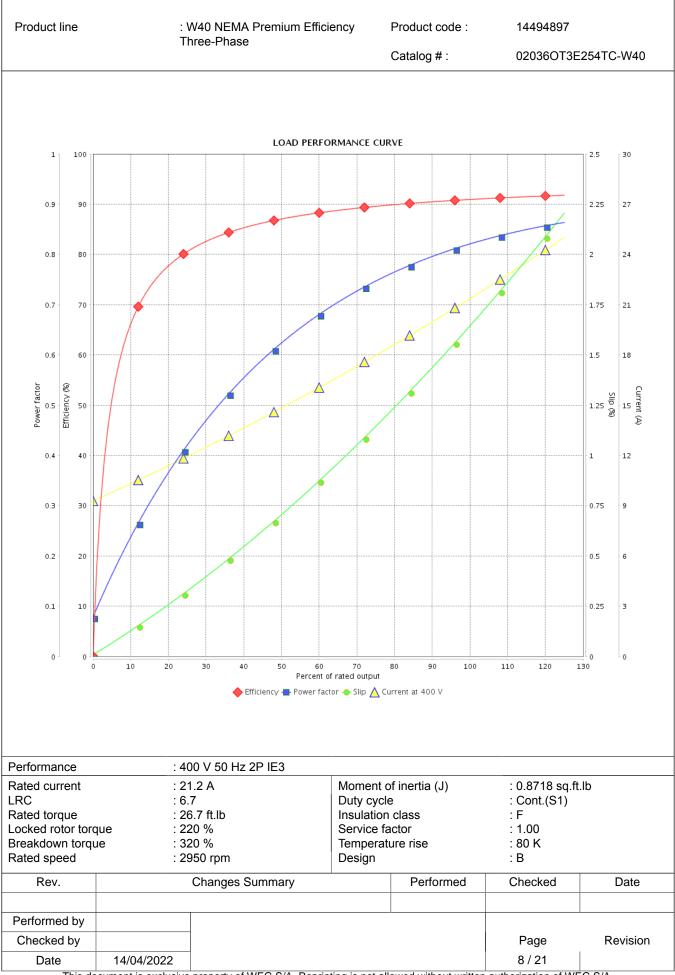
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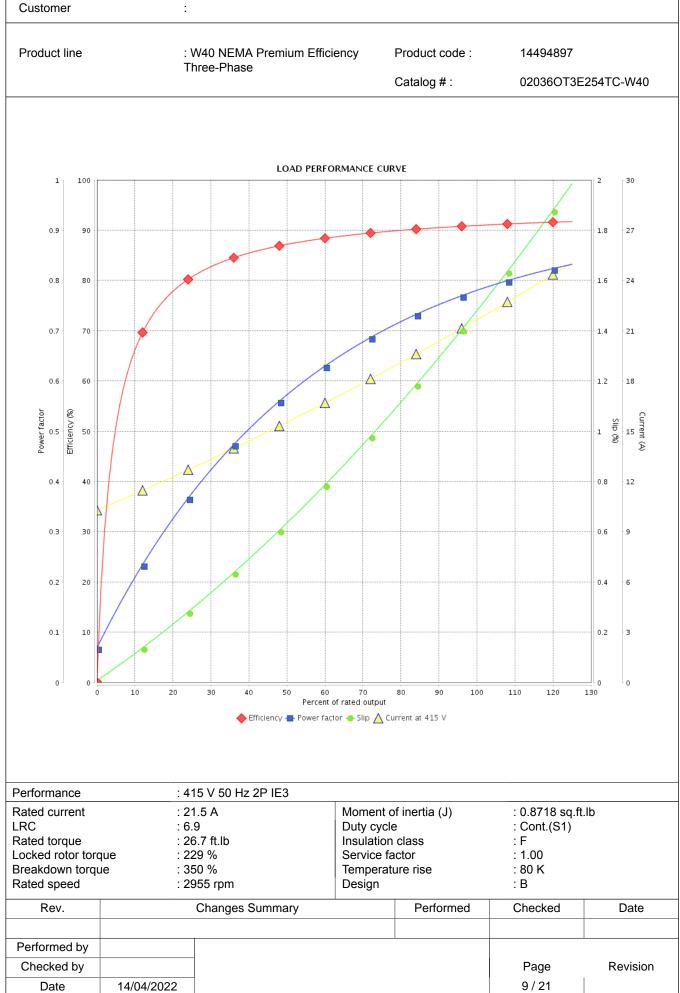


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THERMAL LIMIT CURVE

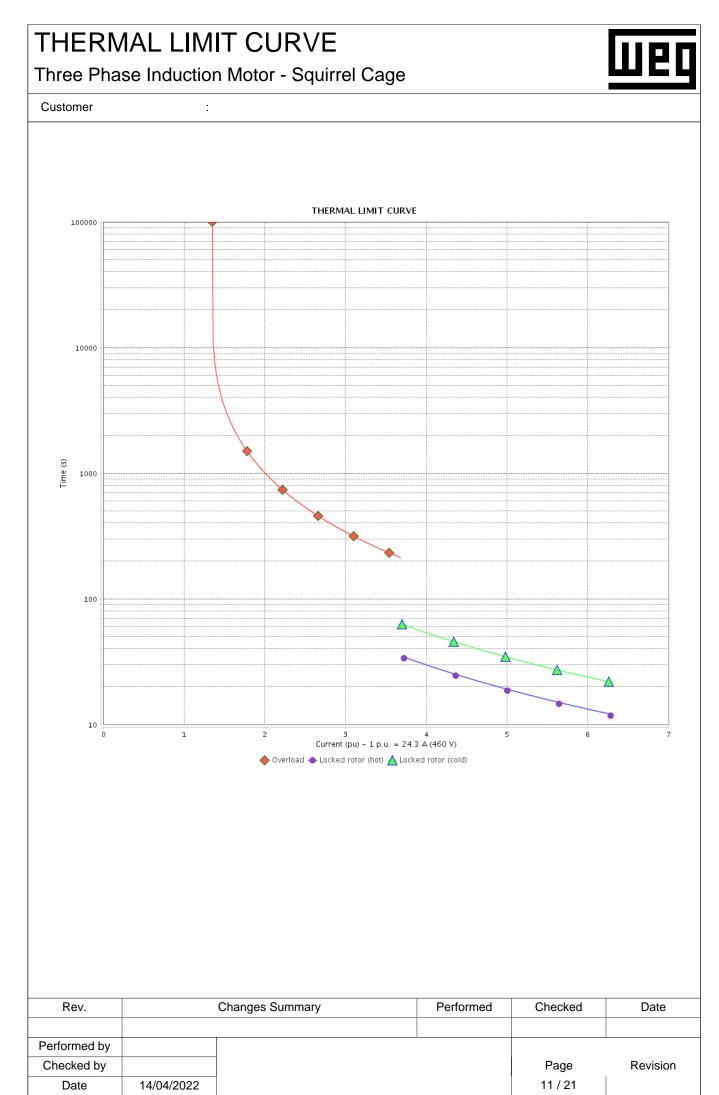
Three Phase Induction Motor - Squirrel Cage

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Customer

Product line	: W40 NEMA Premium Efficiency Three-Phase		ency	Product code :	14494897	
	I	IIIee-Fildse		Catalog # :	02036OT3E	254TC-W40
Performance		30/460 V 60 Hz 2P				
Rated current LRC Rated torque Locked rotor toro Breakdown torqu Rated speed	: 6 : 2 que : 2 ue : 2	8.6/24.3 A 5.3 19.7 ft.lb 100 % 180 % 1535 rpm	Moment o Duty cycle Insulation Service fa Temperatu Design	class ctor	: 0.8718 sq.ft. : Cont.(S1) : F : 1.25 : 80 K : B	lb
Heating constant						
Cooling constant	t	Ohanana O				
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THERMAL LIMIT CURVE

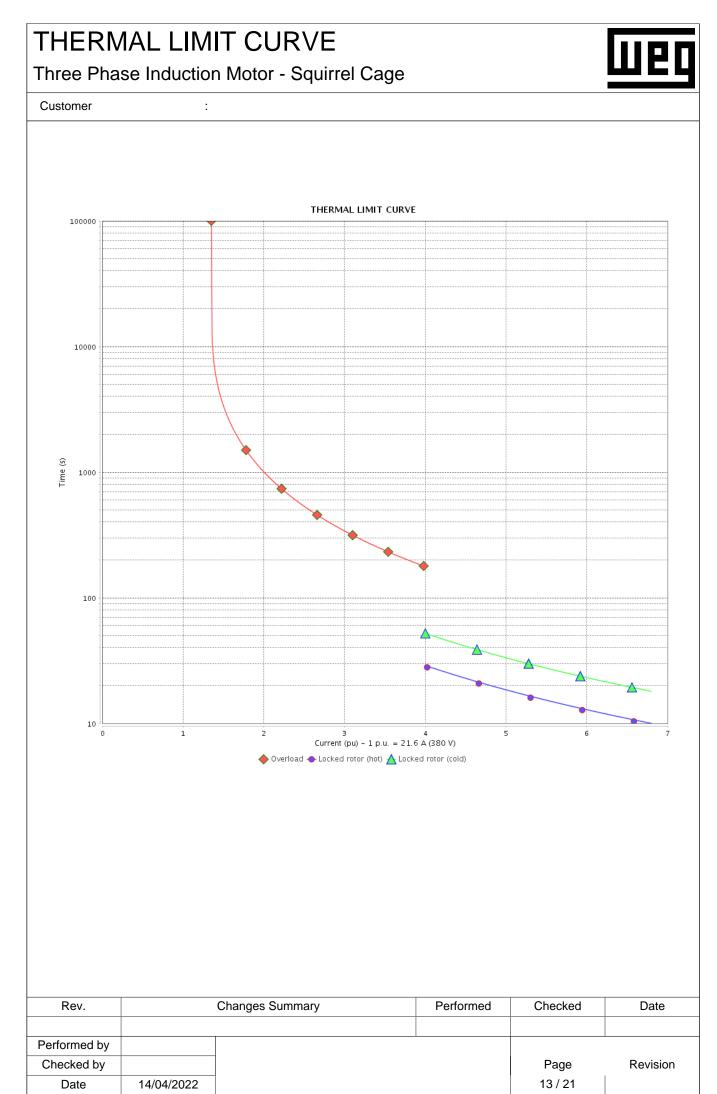
Three Phase Induction Motor - Squirrel Cage

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Customer

Product line		W40 NEMA Premium Efficie hree-Phase	ency	Product code :	14494897	14494897		
	I			Catalog # :	02036OT3E	254TC-W40		
Performance		80 V 50 Hz 2P IE3						
Rated current LRC Rated torque Locked rotor torqu Breakdown torqu Rated speed	: 6 : 2 jue : 2 ie : 2	1.6 A .8 6.7 ft.lb 00 % 90 % 945 rpm	Moment o Duty cycle Insulation Service fa Temperatu Design	class ctor	: 0.8718 sq.ft. : Cont.(S1) : F : 1.00 : 80 K : B	lb		
Heating constant								
Cooling constant		Changes Summers		Dorformed	Chaokad	Data		
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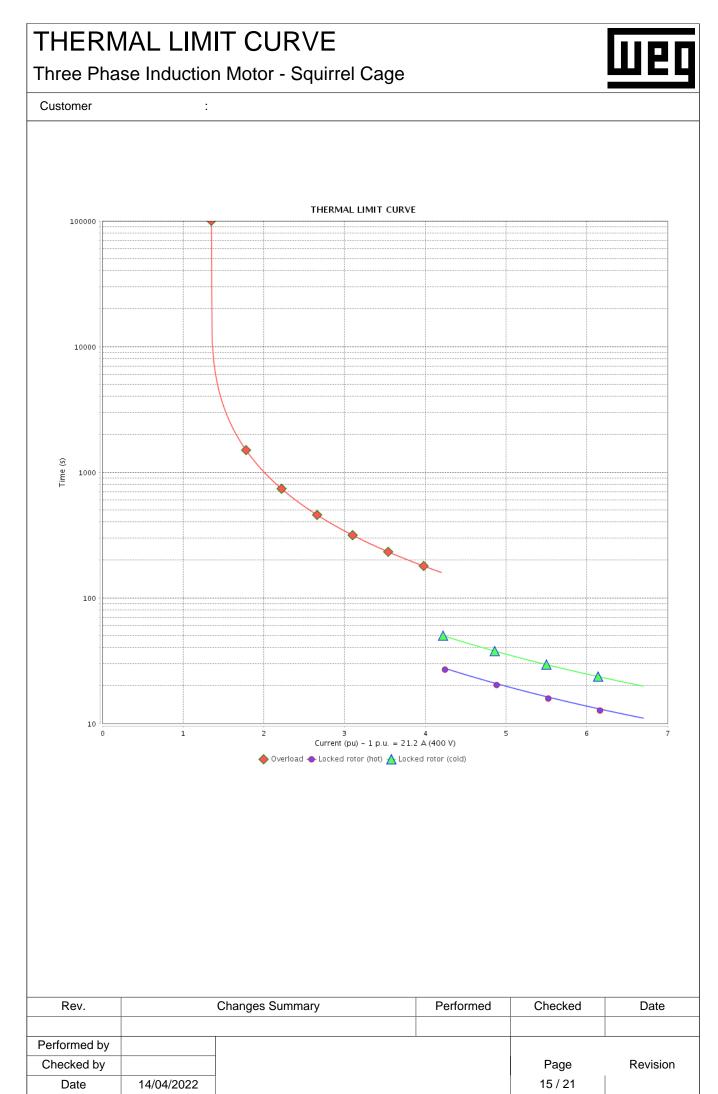
Three Phase Induction Motor - Squirrel Cage

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Customer

Product line		: W40 NEMA Premium Efficiency Three-Phase		Product code :	14494897		
	I			Catalog # :	02036OT3E	254TC-W40	
Performance		00 V 50 Hz 2P IE3					
Rated current LRC Rated torque Locked rotor toro Breakdown torqu Rated speed	: 6 : 2 que : 2 Je : 3	1.2 A .7 6.7 ft.lb 20 % 20 % 950 rpm	Moment o Duty cycle Insulation Service fa Temperatu Design	class ctor	: 0.8718 sq.ft. : Cont.(S1) : F : 1.00 : 80 K : B	lb	
Heating constant							
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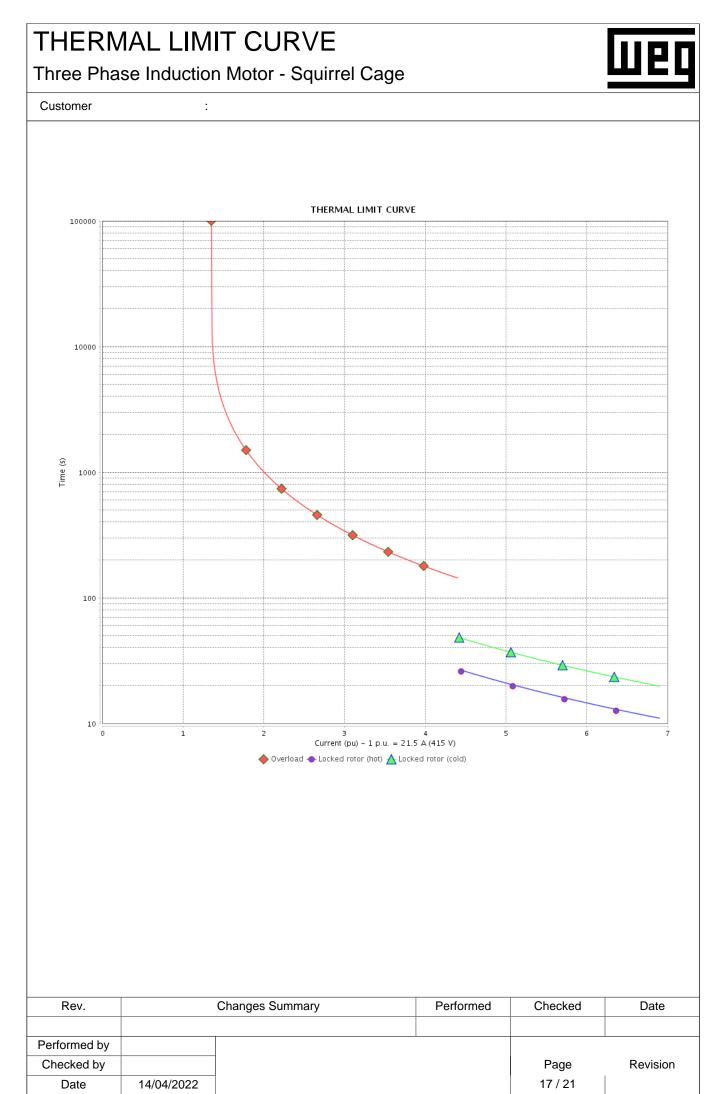
Three Phase Induction Motor - Squirrel Cage

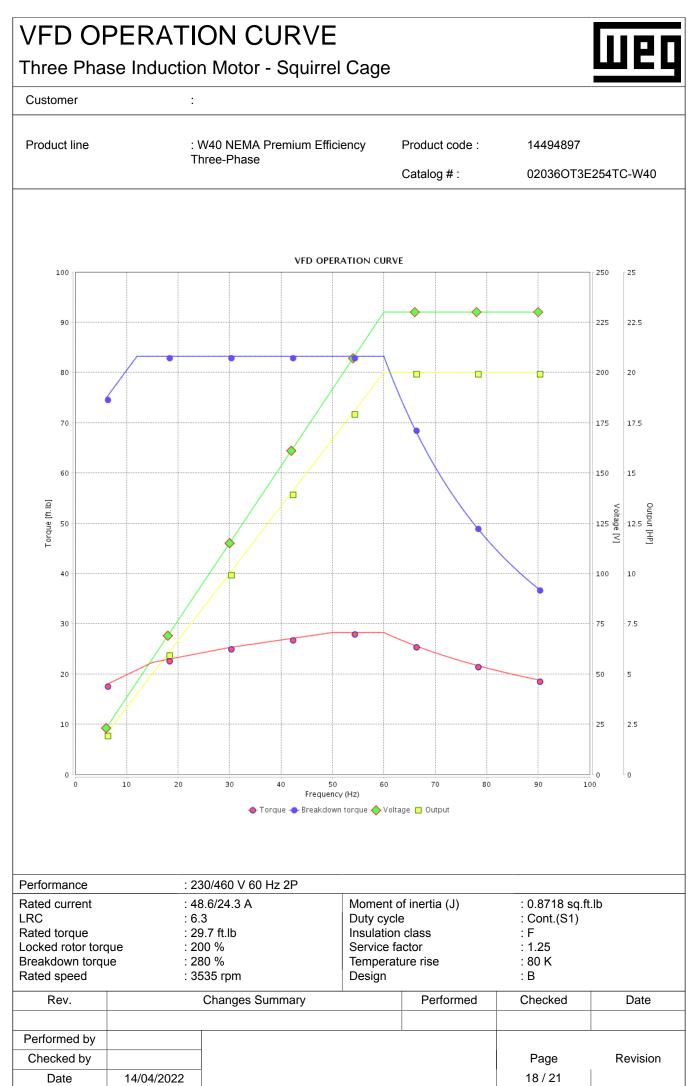
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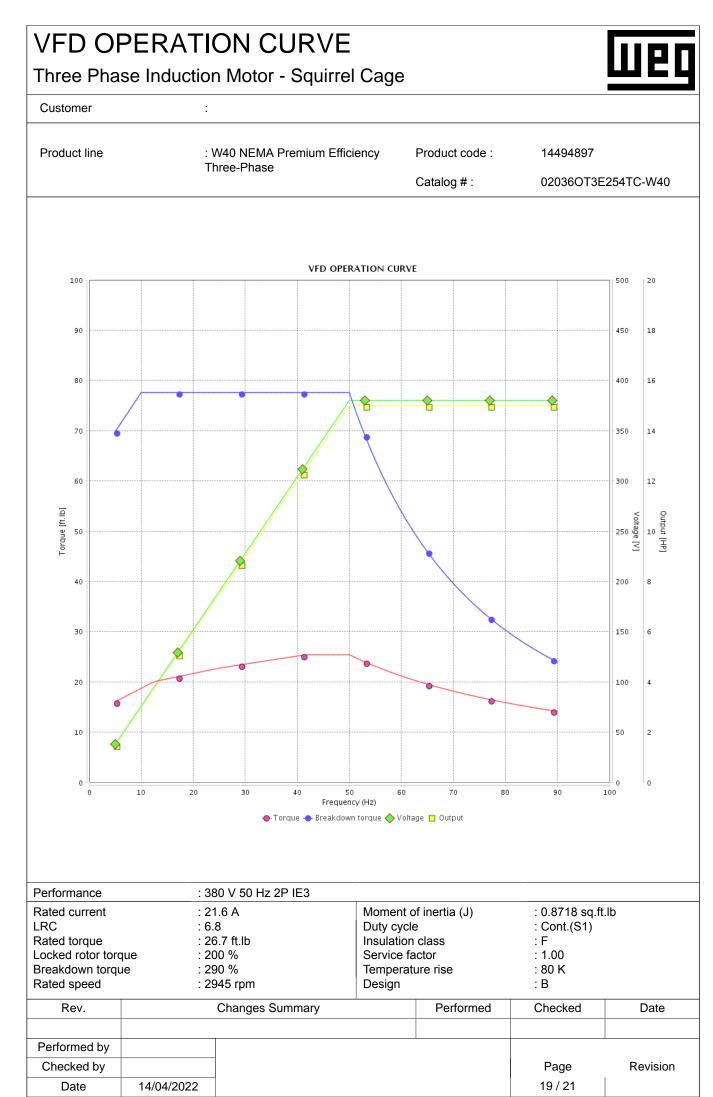


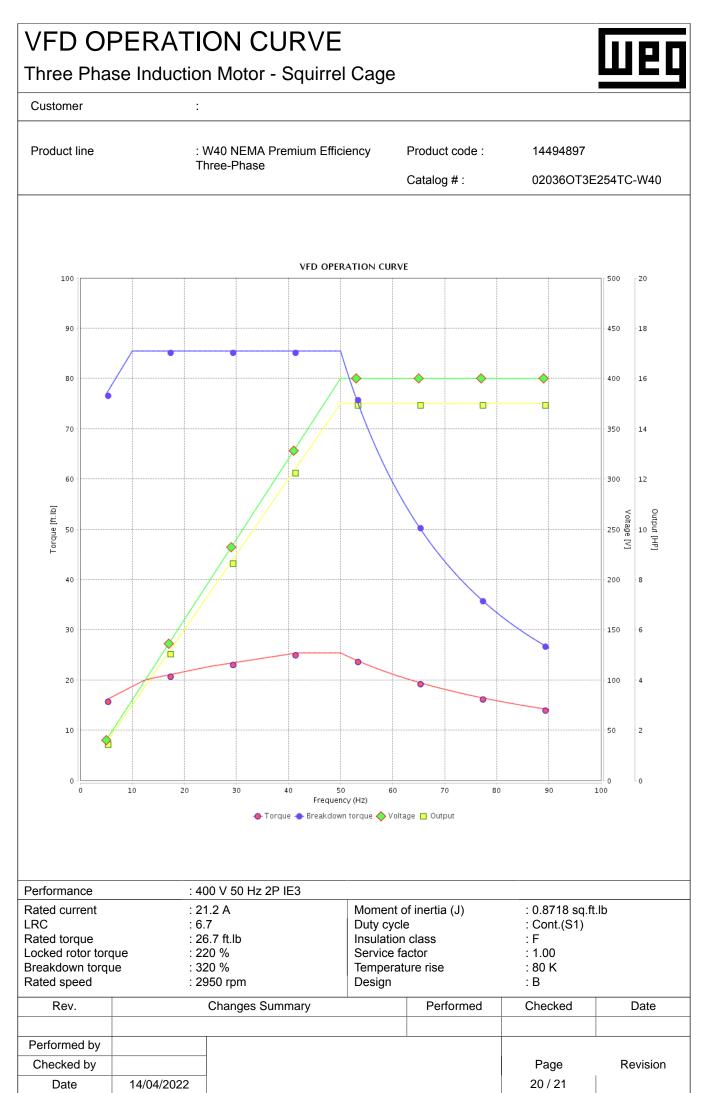
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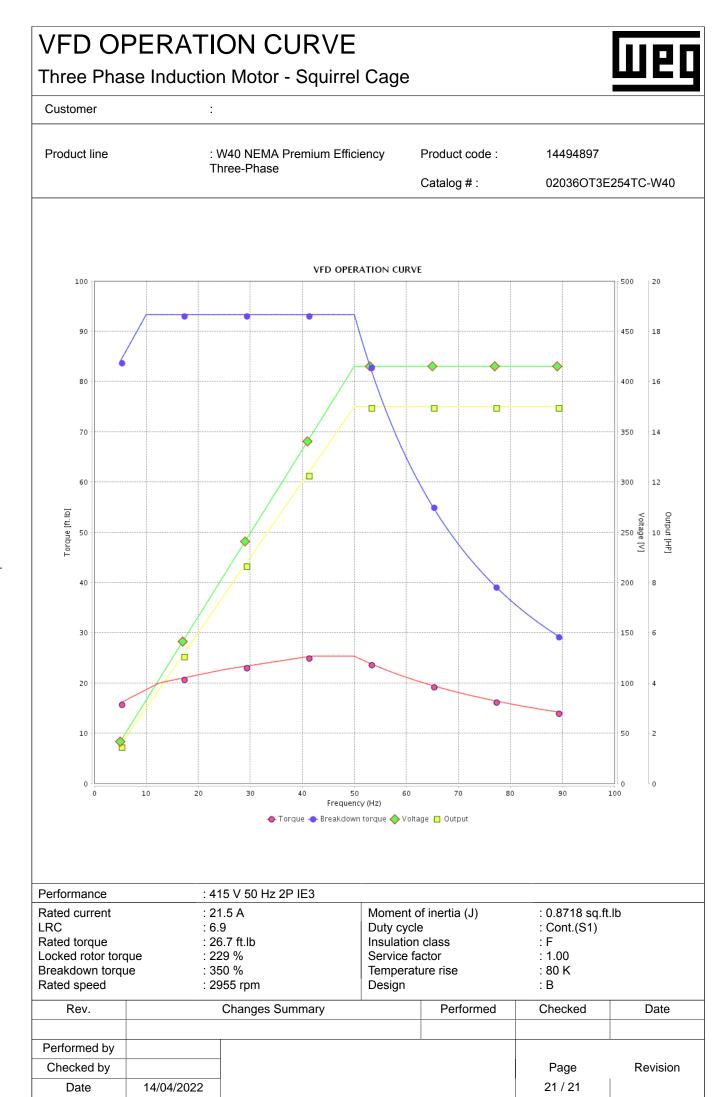
Product line		: W40 NEMA Premium Efficiency Three-Phase		Product code :	14494897		
	I	IIIee-Fildse		Catalog # :	02036OT3E	254TC-W40	
Performance	: 4	15 V 50 Hz 2P IE3					
LRC Rated torque Locked rotor torque Breakdown torque Rated speed		21.5 A 6.9 26.7 ft.lb 229 % 350 % 2955 rpm	Moment of inertia (J) Duty cycle Insulation class Service factor Temperature rise Design		: 0.8718 sq.ft.lb : Cont.(S1) : F : 1.00 : 80 K : B		
Heating constant							
Cooling constant Rev.	L	Changes Summary		Performed	Checked	Date	
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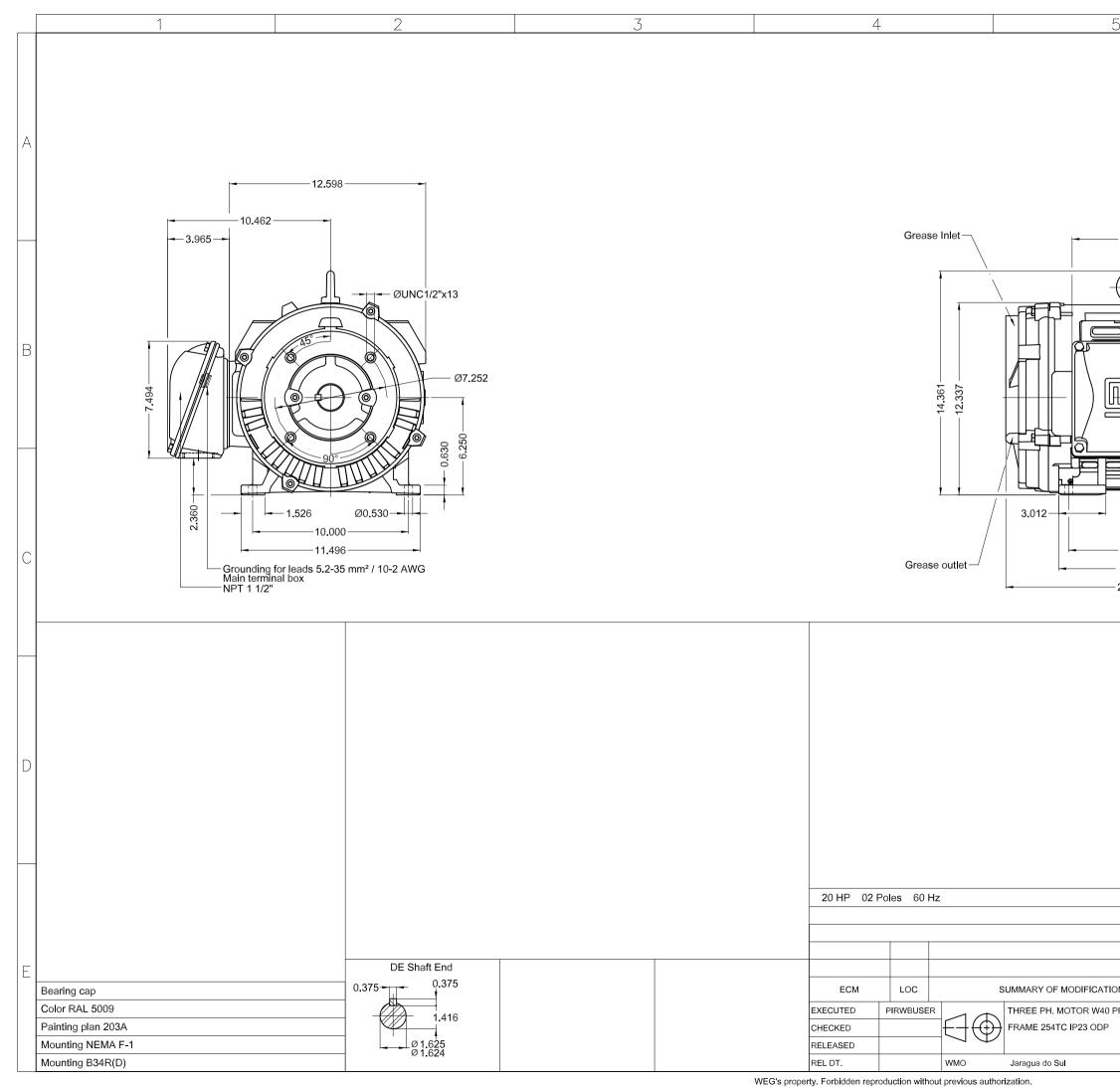












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