DATA SHEET

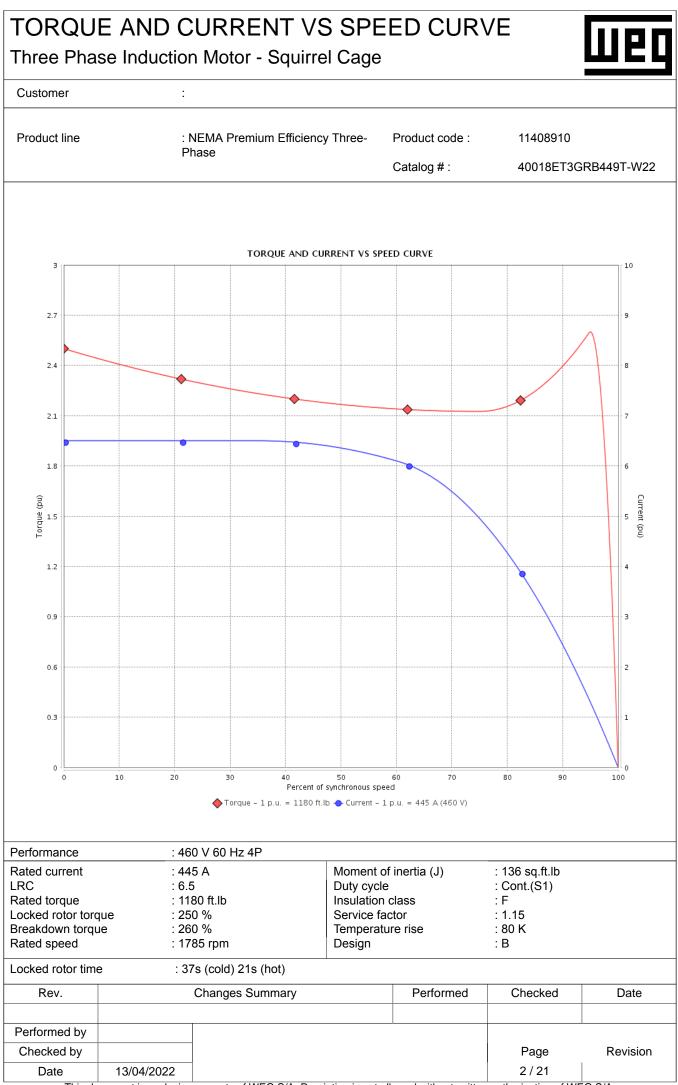
Three Phase Induction Motor - Squirrel Cage

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Customer

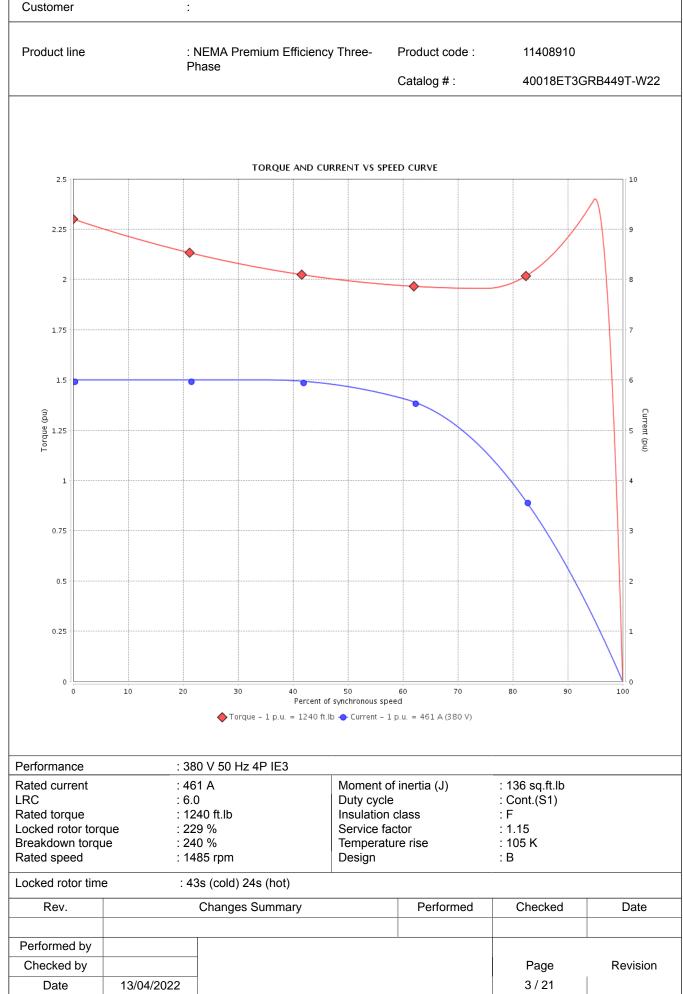
Product line		: NEMA Premium Effi	ciency T	hree- Produ	oduct code : 11408910				
		Phase		Catal	og # :	40018E	40018ET3GRB449T-W22		
Frame Insulation class Duty cycle Ambient tempera Altitude Protection degre		: L447/9T : F : Cont.(S1) : -20°C to +40°C : 1000 m.a.s.l. : IP55	: F Mo : Cont.(S1) Ro : -20°C to +40°C Sta : 1000 m.a.s.l. Ap			: F-1 : Both (: Direct : 3259	: IC411 - TEFC : F-1 : Both (CW and CCW) : Direct On Line : 3259 lb : 136 sq.ft.lb		
Design			1						
Output [HP]		400		350	350)	350		
		<u> </u>		<u>4</u> 50	4		4		
Frequency [Hz]							50		
Rated voltage [V]		460		380	400		415		
Rated current [A]		445		461	448		437		
R. Amperes [A]		2893		2766	300		3146		
RC [A]	_	6.5x(Code G)	6.0	Dx(Code F)	6.7x(Co		7.2x(Code H)		
No load current [A		125		125	140		155		
Rated speed [RPN	Л]	1785		1485	148		1485		
Slip [%]		0.83		1.00	1.0		1.00		
Rated torque [ft.lb]		1180		1240	124		1240		
ocked rotor torqu		250		229	250		280		
Breakdown torque	[%]	260		240	270		290		
Service factor		1.15		1.15	1.1		1.15		
Temperature rise		80 K		105 K	80	K	80 K		
ocked rotor time		37s (cold) 21s (hot)	43s (o	cold) 24s (hot)	37s (cold)	21s (hot)	32s (cold) 18s (hot)		
loise level ²		79.0 dB(A)		4.0 dB(A)	74.0 d		74.0 dB(A)		
	25%	94.9		95.4	94.		94.9		
	50%	95.4		95.8	95.	4	95.4		
Efficiency (%)	75%	95.8		95.8	95.		95.8		
	100%	96.2		96.2	96.		96.2		
	25%	0.55		0.56	0.5		0.48		
_	50%	0.80		0.81	0.7		0.74		
Power Factor	75%	0.85		0.86	0.8		0.82		
	100%	0.88		0.89	0.87		0.86		
Bearing type Sealing Lubrication interv Lubricant amoun Lubricant type	/al	Drive end Non di NU-322 C3 63 WSeal W 4000 h 80	<u>ive end</u> 19 C3 /Seal)00 h 15 g	d Foundation loads					
Notes									
must be eliminate (1) Looking the m	ed. lotor from the Im and with to veight subjec ocess.	olerance of +3dB(A).	hich				sts with sinusoidal stipulated in NEMA		
must be eliminate (1) Looking the m (2) Measured at 1 (3) Approximate v manufacturing pro	ed. lotor from the Im and with to veight subjec ocess.	shaft end. blerance of +3dB(A).		power supply, MG-1.			stipulated in NEMA		
must be eliminate (1) Looking the m (2) Measured at 1 (3) Approximate v manufacturing pro (4) At 100% of ful Rev.	ed. lotor from the Im and with to veight subjec ocess.	shaft end. blerance of +3dB(A). t to changes after		power supply, MG-1.	subject to the	tolerances	stipulated in NEMA		
must be eliminate (1) Looking the m (2) Measured at 1 (3) Approximate v manufacturing pro (4) At 100% of ful	ed. lotor from the Im and with to veight subjec ocess.	shaft end. blerance of +3dB(A). t to changes after		power supply, MG-1.	subject to the	tolerances	stipulated in NEMA		
must be eliminate (1) Looking the m (2) Measured at 1 (3) Approximate v manufacturing pro (4) At 100% of ful Rev.	ed. lotor from the Im and with to veight subjec ocess.	shaft end. blerance of +3dB(A). t to changes after		power supply, MG-1.	subject to the	tolerances	stipulated in NEMA		



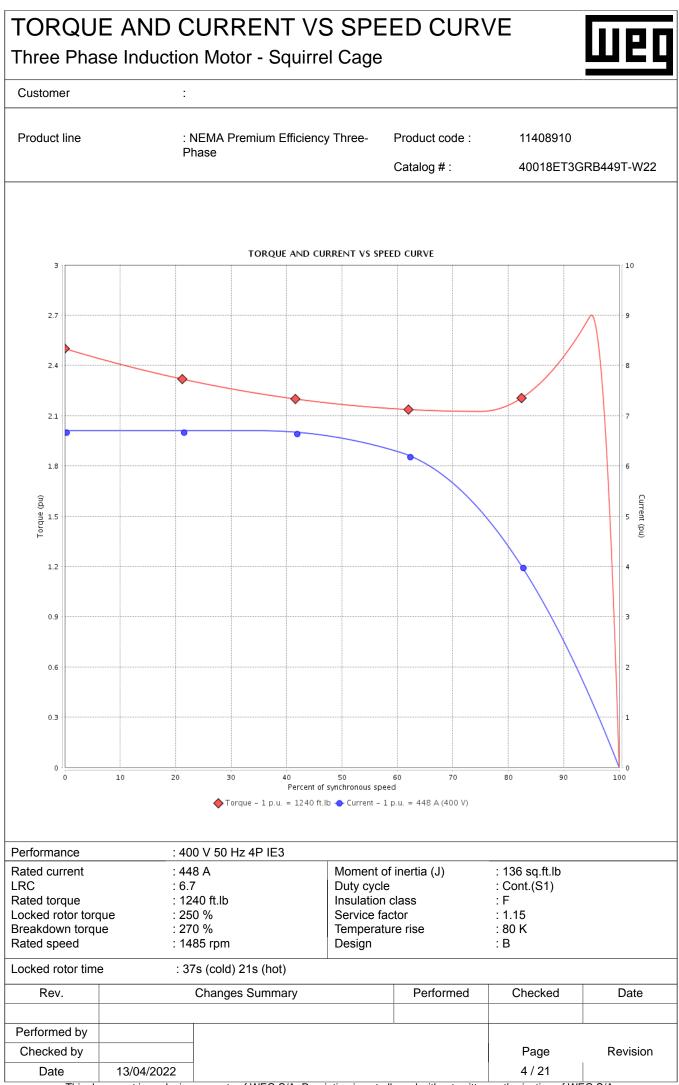
TORQUE AND CURRENT VS SPEED CURVE

Three Phase Induction Motor - Squirrel Cage

Customer



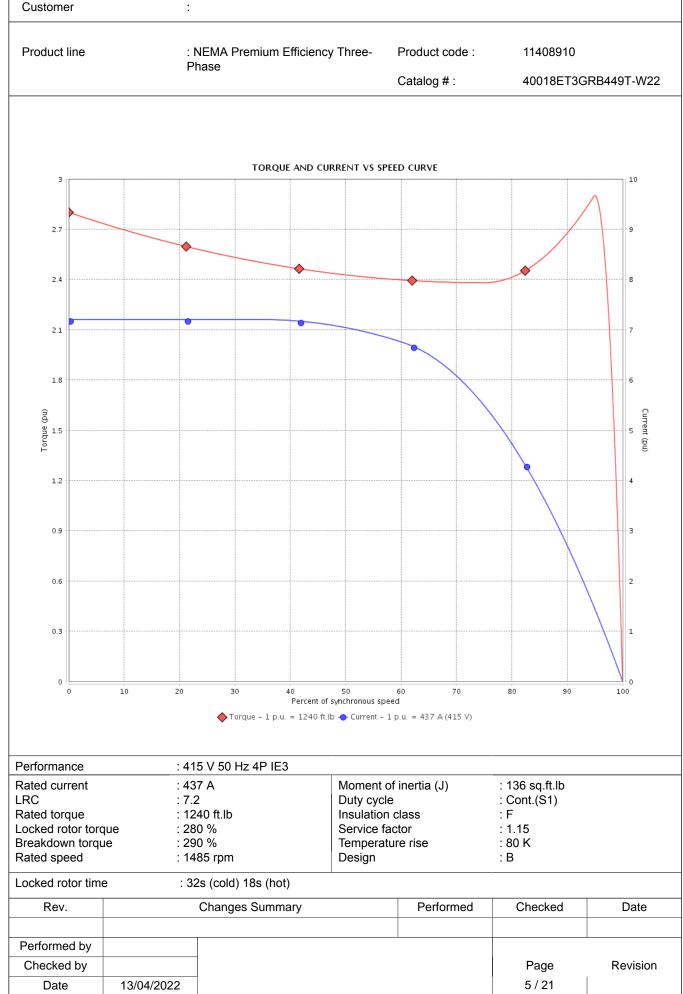
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Three Phase Induction Motor - Squirrel Cage

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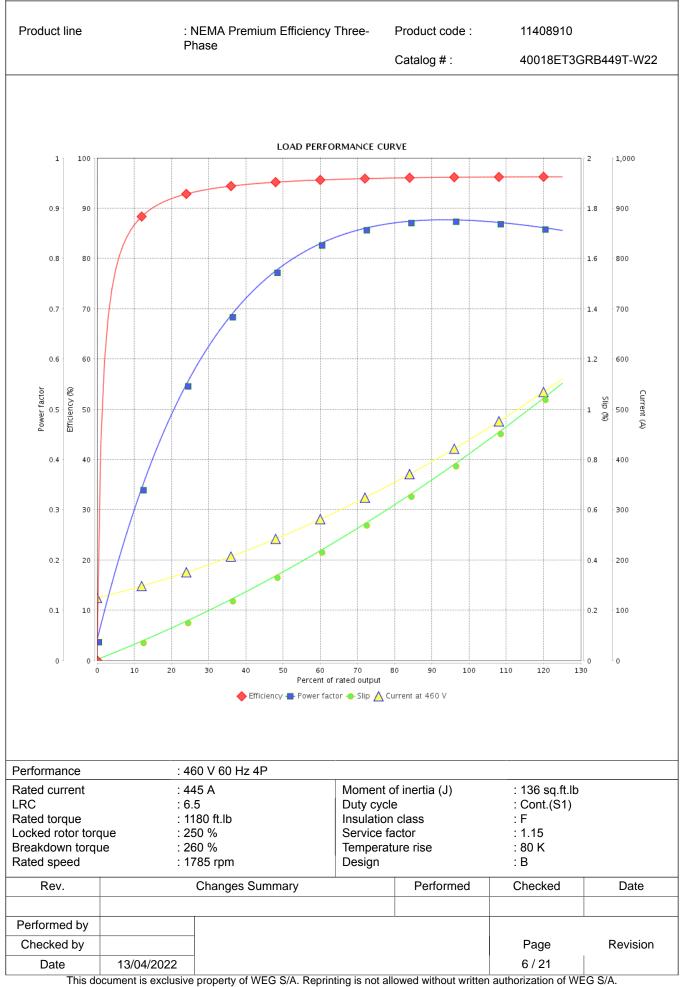


Three Phase Induction Motor - Squirrel Cage

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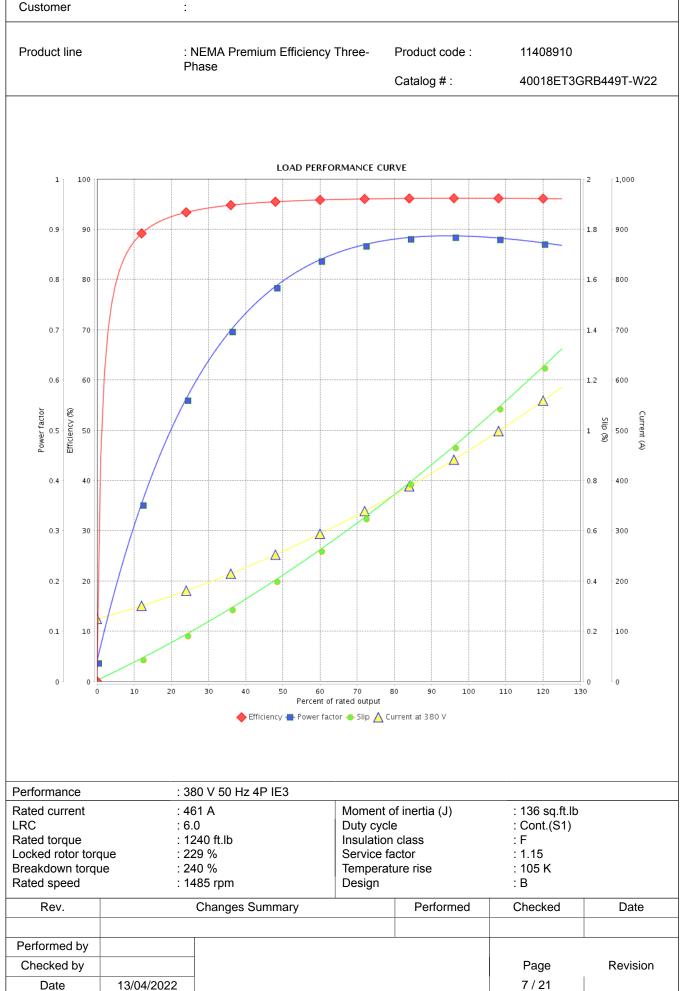


Customer



Three Phase Induction Motor - Squirrel Cage

Customer



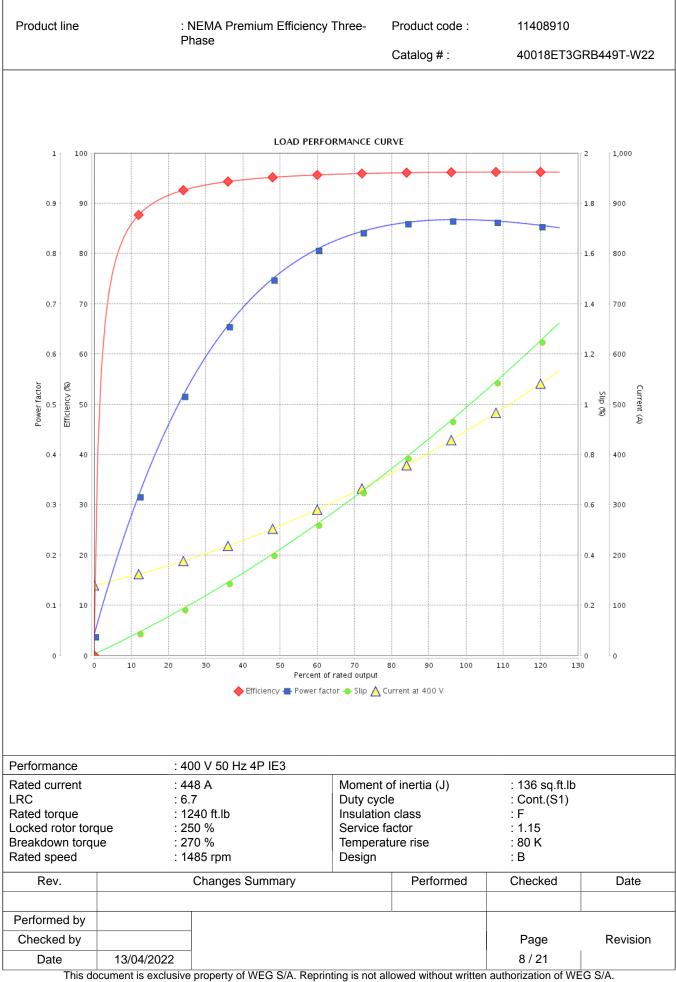
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Three Phase Induction Motor - Squirrel Cage

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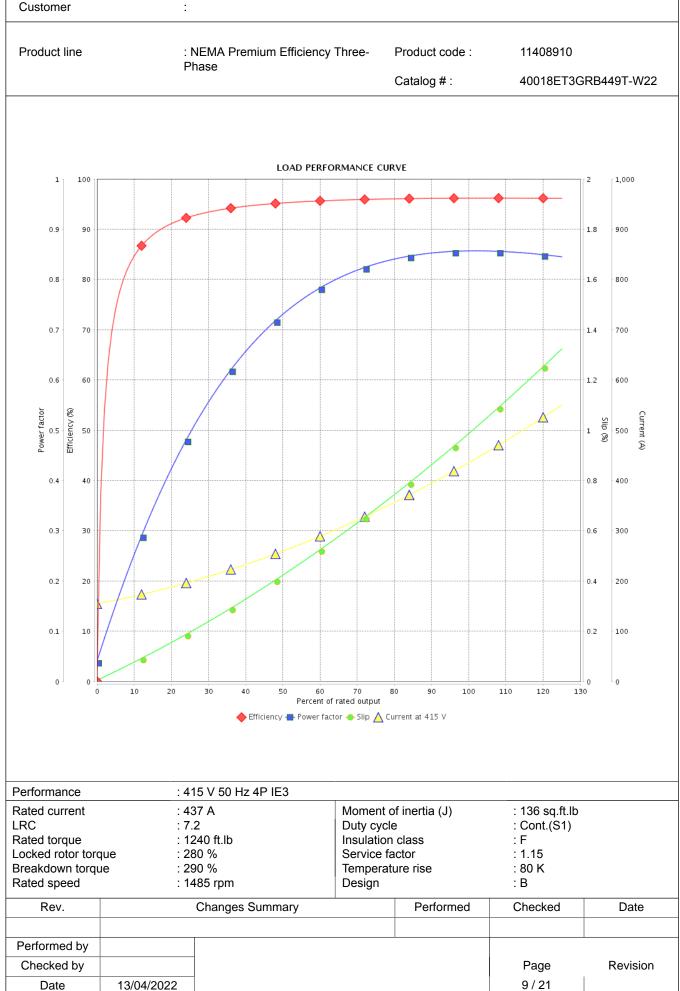
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Customer



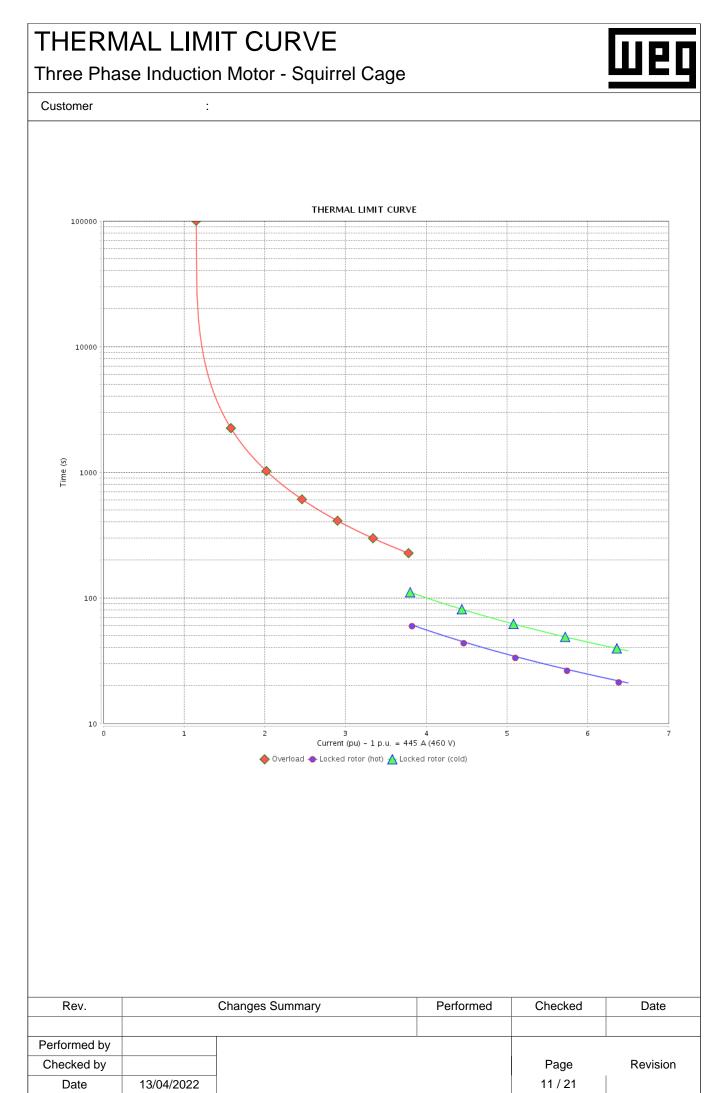
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THERMAL LIMIT CURVE									
Three Pha	se Inductio	n Motor - Squirrel	Cage			шсц			
Customer	:								
Product line		NEMA Premium Efficiency [·] Phase	Three-	Product code :	11408910				
	·			Catalog # :	40018ET3GF	RB449T-W22			
Performance	: 4	60 V 60 Hz 4P							
Rated current LRC Rated torque Locked rotor torque Breakdown torque		45 A 55 180 ft.lb 50 % 60 % 785 rpm	Moment of Duty cycle Insulation Service fa Temperate Design	class actor	: 136 sq.ft.lb : Cont.(S1) : F : 1.15 : 80 K : B				
Heating constant Cooling constant									
Rev.		Changes Summary		Performed	Checked	Date			
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Performed by Checked by		-			Page	Revision			

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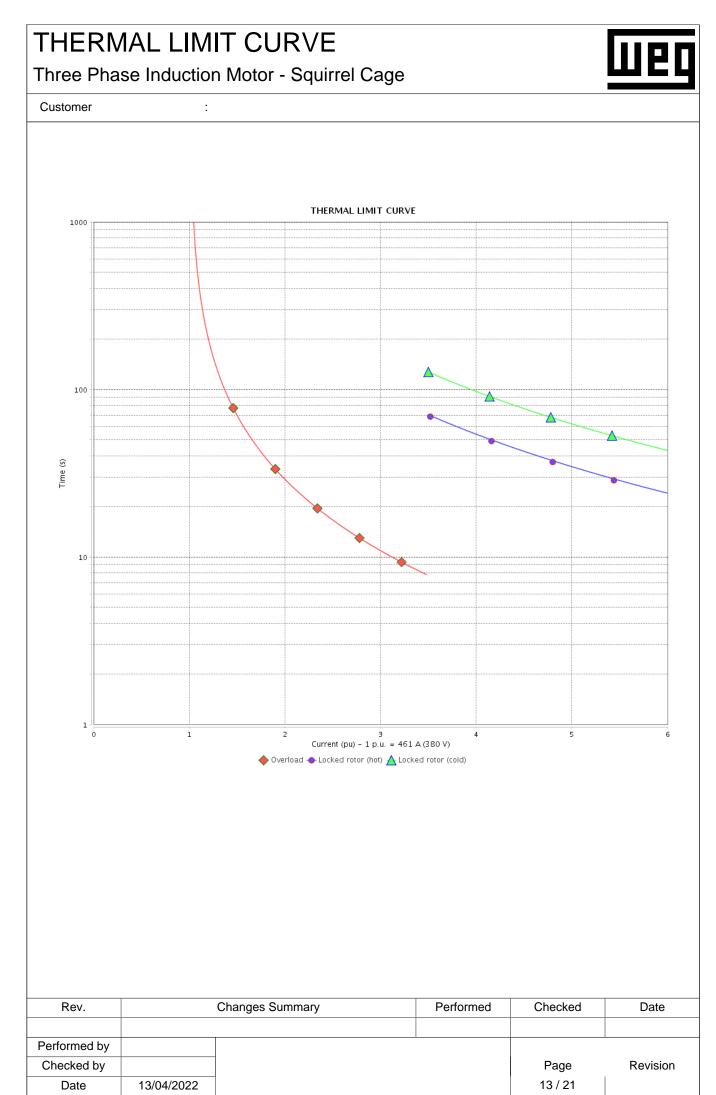


THERMAL LIMIT CURVE									
Three Pha	se Inductio	n Motor - Squirrel	Cage			шсц			
Customer	:								
Product line	:1	NEMA Premium Efficiency ⁻	Three-	Product code :	11408910				
		hase		Catalog # :		RB449T-W22			
Performance	. 3	80 V 50 Hz 4P IE3							
Rated current LRC	: 40 : 6	61 A	Moment o Duty cycle	f inertia (J)	: 136 sq.ft.lb : Cont.(S1)				
Rated torque Locked rotor torc Breakdown torqu Rated speed	: 12 jue : 22 ie : 24	240 ft.lb 29 % 40 % 485 rpm	Insulation Service fa Temperate Design	class ctor	: F : 1.15 : 105 K : B				
Heating constant									
Cooling constant		Changes Summery		Performed	Checked	Data			
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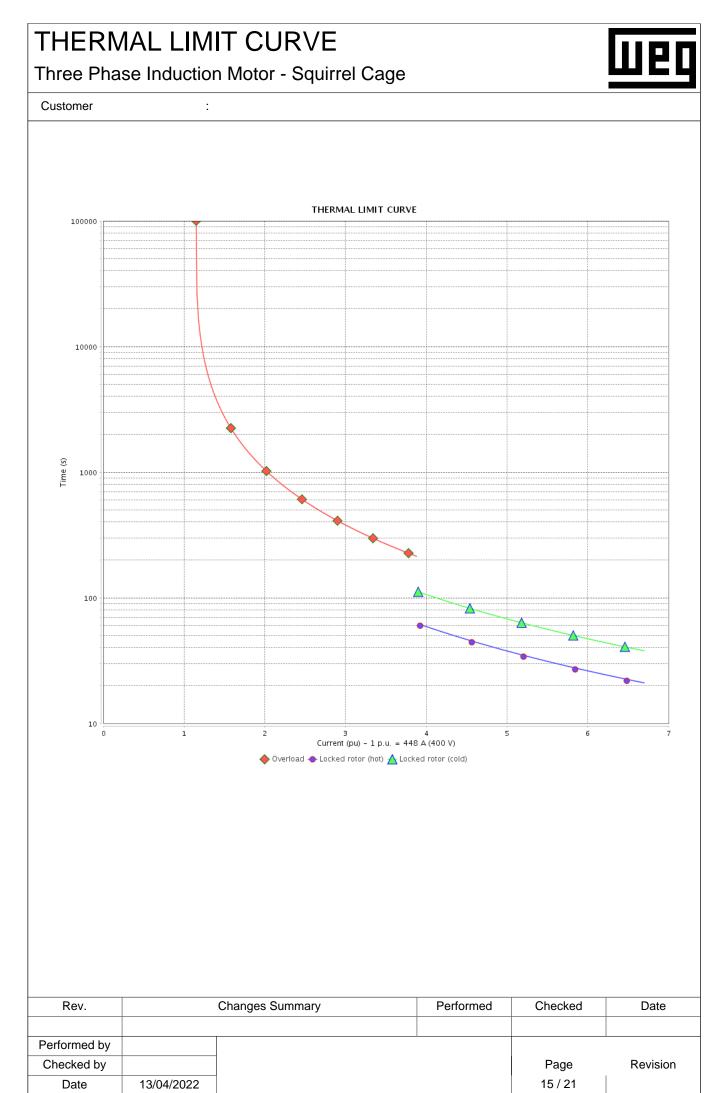


THERMAL LIMIT CURVE									
Three Pha	se Induction	n Motor - Squirrel	Cage			шсц			
Customer	:								
Product line		NEMA Premium Efficiency	Three- Product code :		11408910				
	Р	hase		Catalog # :	40018ET3GI	RB449T-W22			
Performance		00 V 50 Hz 4P IE3							
Rated current		48 A	Moment o	f inertia (J)	: 136 sq.ft.lb				
LRC:Rated torque:Locked rotor torque:Breakdown torque:		.7 240 ft.lb 50 % 70 % 485 rpm	Duty cycle Insulation class Service factor Temperature rise Design		: Cont.(S1) : F : 1.15 : 80 K : B				
Heating constant									
Cooling constant Rev.	[Changes Summary		Performed	Checked	Date			
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Date

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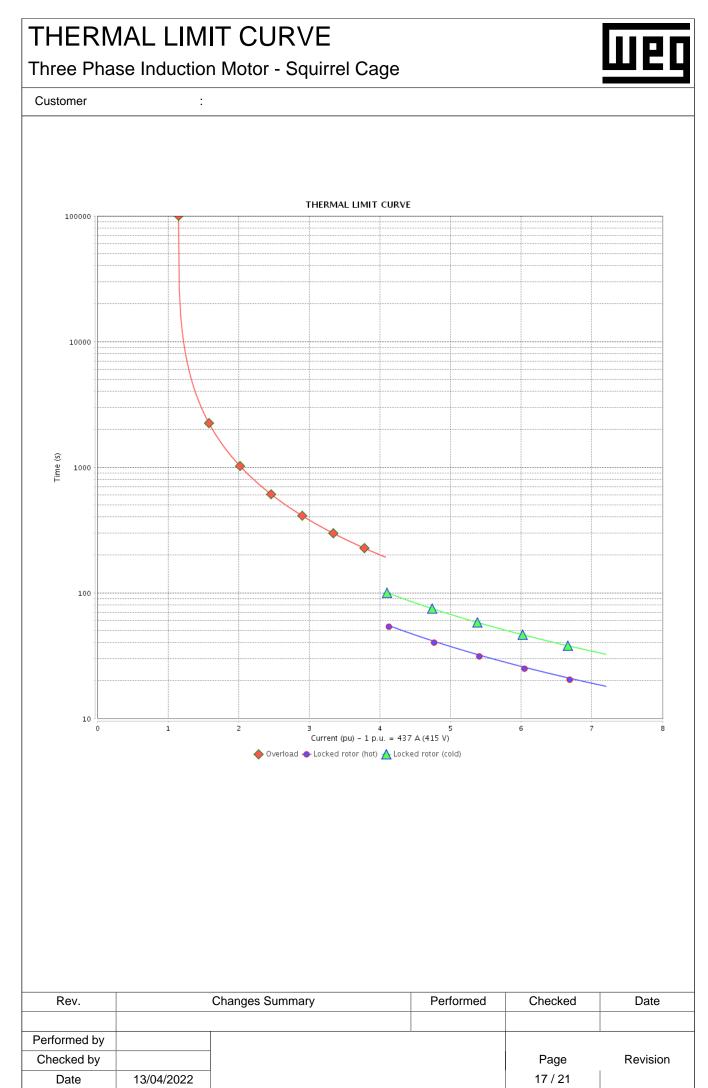


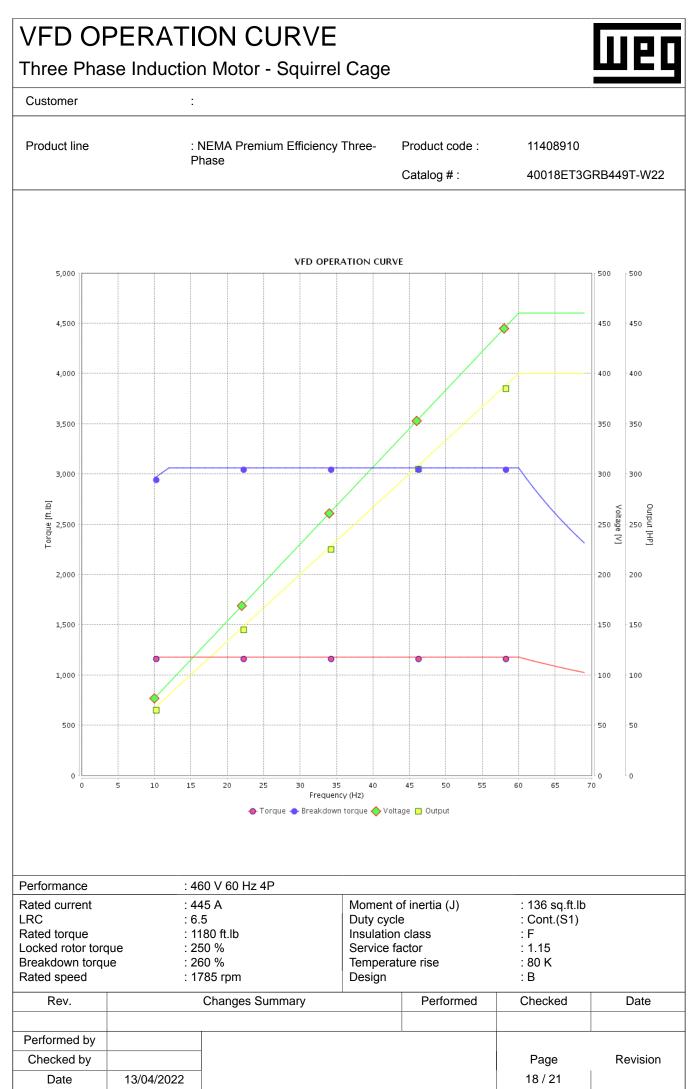
THERMAL LIMIT CURVE									
Three Pha	se Inductio	n Motor - Squirrel	Cage			шсц			
Customer	:								
Product line		NEMA Premium Efficiency ⁻ hase	Three-	Product code :	11408910				
				Catalog # :	40018ET3G	RB449T-W22			
Performance		15 V 50 Hz 4P IE3		6 · · · · · · · · · · · · · · · · · · ·					
LRC Rated torque Locked rotor torque Breakdown torque		37 A 2 240 ft.lb 80 % 90 % 485 rpm	Moment of inertia (J) Duty cycle Insulation class Service factor Temperature rise Design		: 136 sq.ft.lb : Cont.(S1) : F : 1.15 : 80 K : B				
Heating constan									
Cooling constant Rev.		Changes Summary		Performed	Checked	Date			
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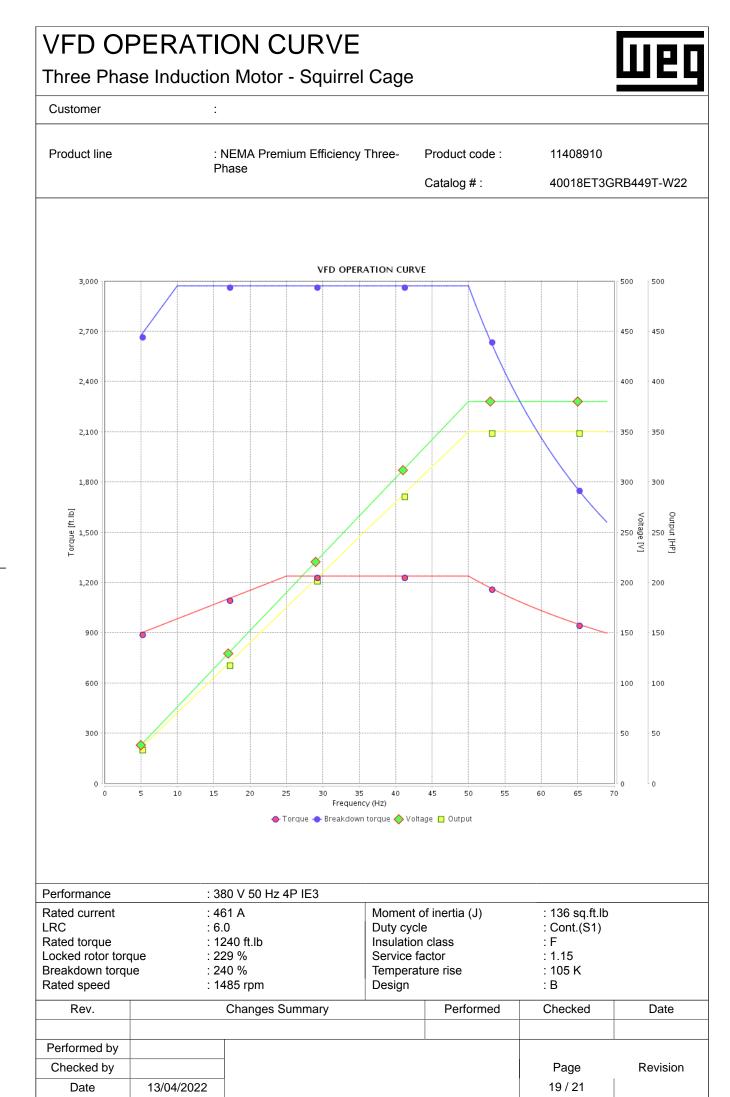
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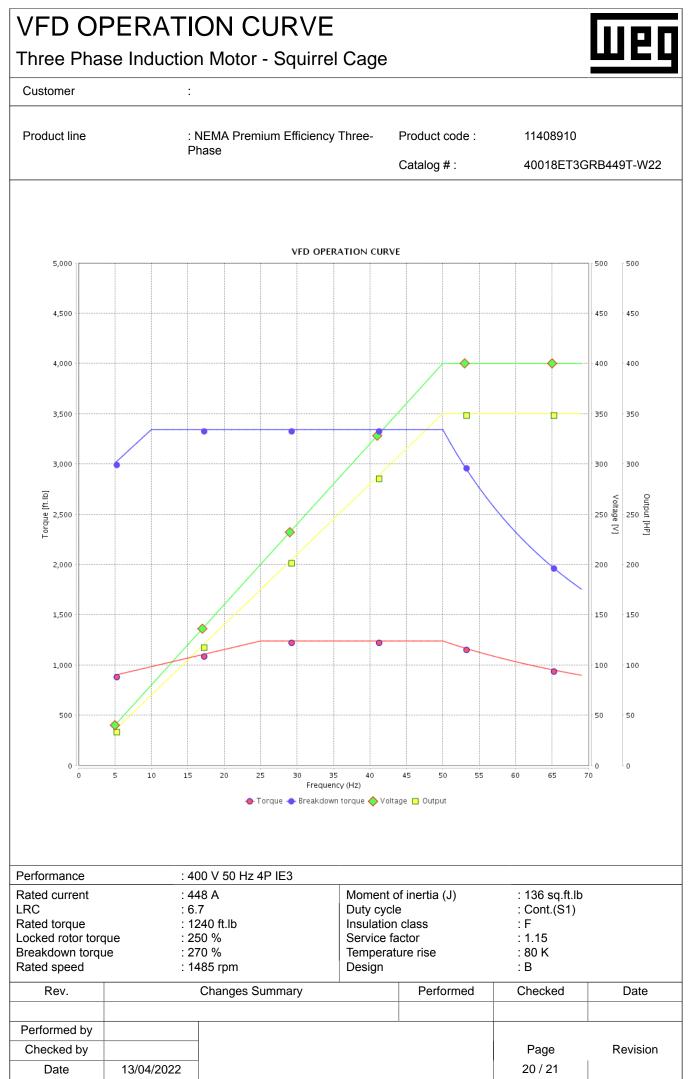
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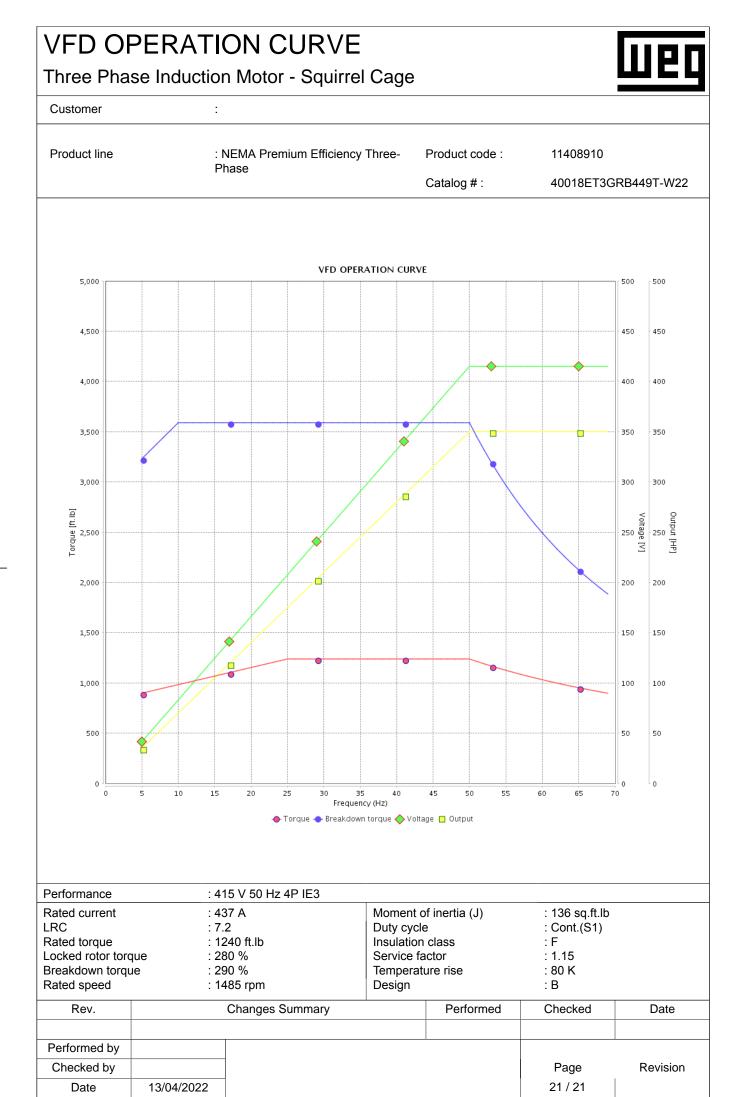
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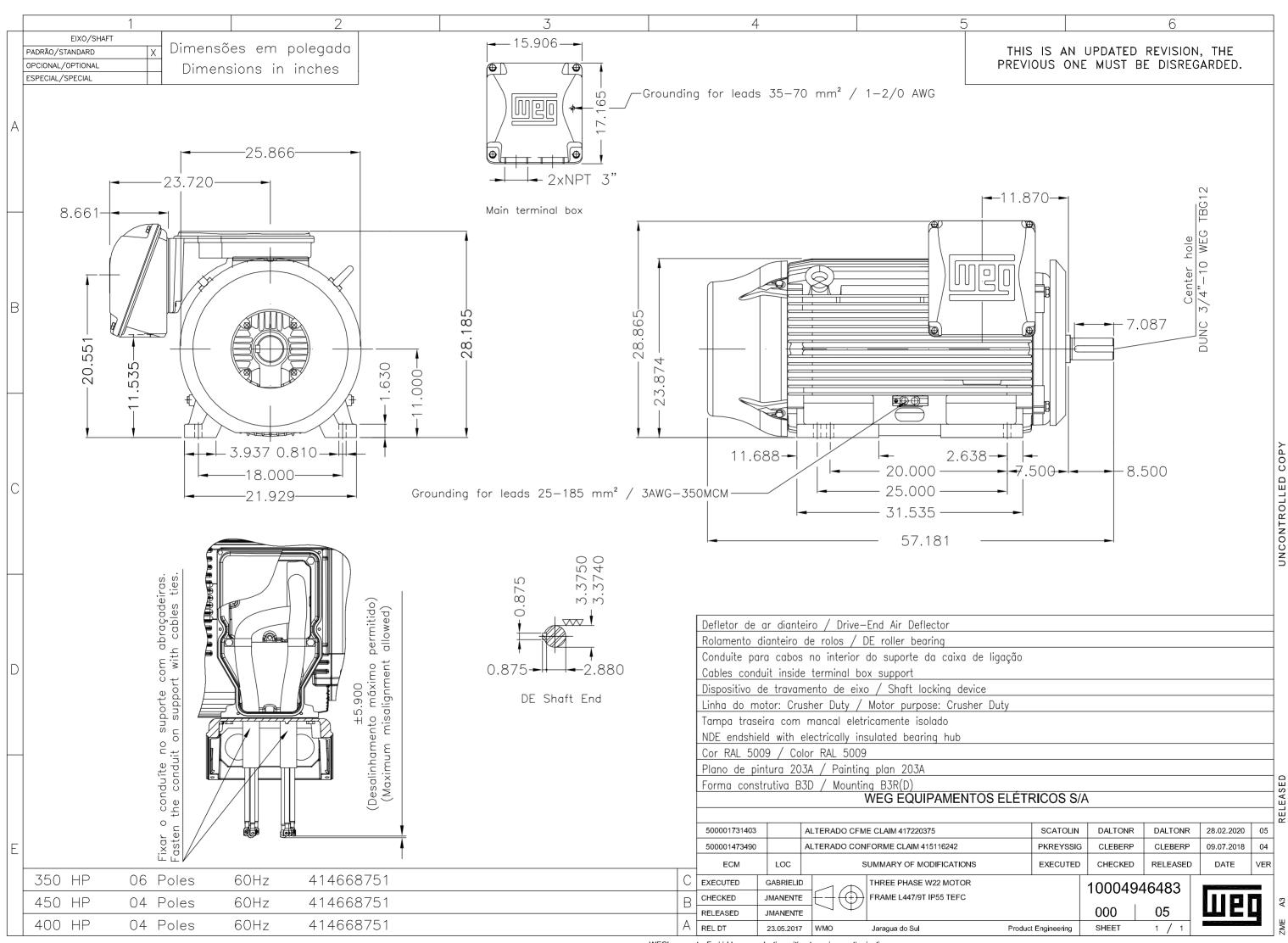












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		Premium W22					PT9 STED	FOR SAFE AREA Mod.TE1BF0X0N CC029A	C Energy Vert	d Class II, I	iv 2, Gr A, one 2, IIC - Div 2, Gr F (B, C and D – T3 · T3 and G – T3C	•
0	MODEL 40018ET3	GRB449T–W22								For use o VT 1000:1	n PWM: Gr. , CT 6:1, 1.	A, B, C, D and F 00SF – T3	,
MEXICO 910	Inverter Duty Moto Severe Duty	r								- PART-WI	NDING	WYE-DEI	JA
MEX 910	PH3 60Hz	Fr. L447/9T	1000m.a.s.l.	IP55	TEFC	3259lb				START	RUN	START	RUN 112 ₀ 110 ₀ 111
1N M 4089	V 460			A 445					-	්7 ්78 ්79 .	↓17 ↓18 ↓19	oT6 oT4 oT5 o	16 dt4 dt5
	HP 400			kW 300)					016 014 015 . 011 012 013 . 01 02 03	16 14 15 11 12 13	0 ¹⁷ 0 ¹⁸ 0 ¹⁹ 0 011 012 013 0 11 12 13 11	17 18 19 11 12 13 12 13
MADE 11	SF 1.15			SFA 51	2					NU-322-C3		11112131	12 13
Σ	RPM 1785			PF 0.	88				ίΠ.				
	AMB 40°C		INS c	I. F DT8	BOK	NEMA NOM EFF	96.2%		≝→	6319-C3 (4	5g)		
	DUTY CONT.		DES E	3 Code	G				X	MOBIL POLYR	REX EM (4	000h)	
									X		•		
· .									577778				· ·