DATA SHEET

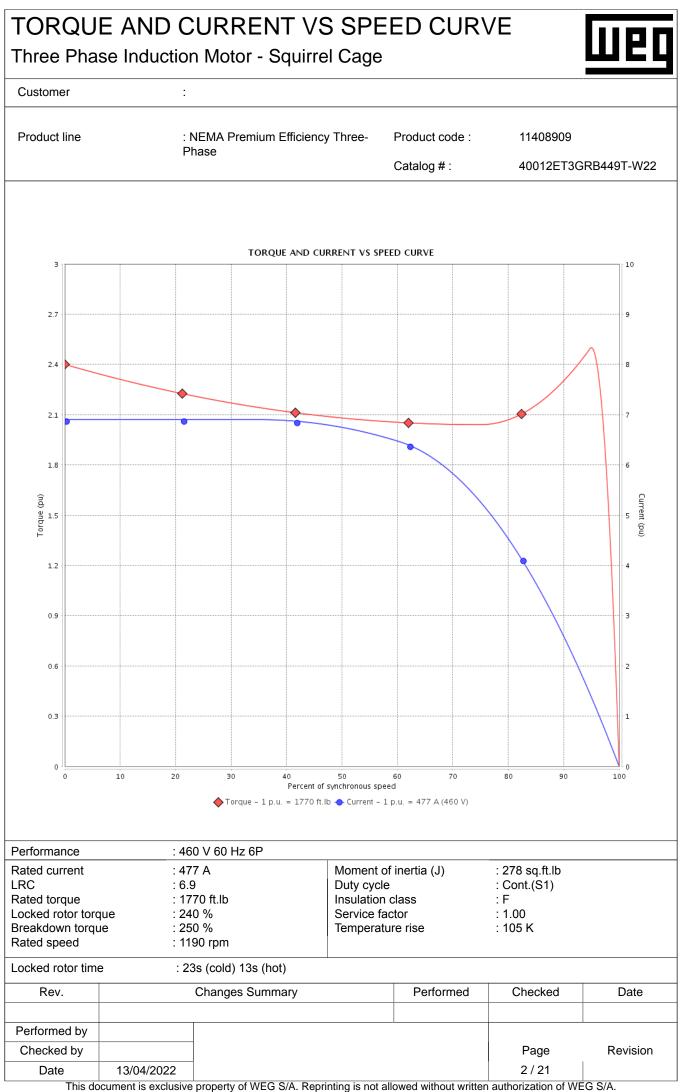
Three Phase Induction Motor - Squirrel Cage

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Customer

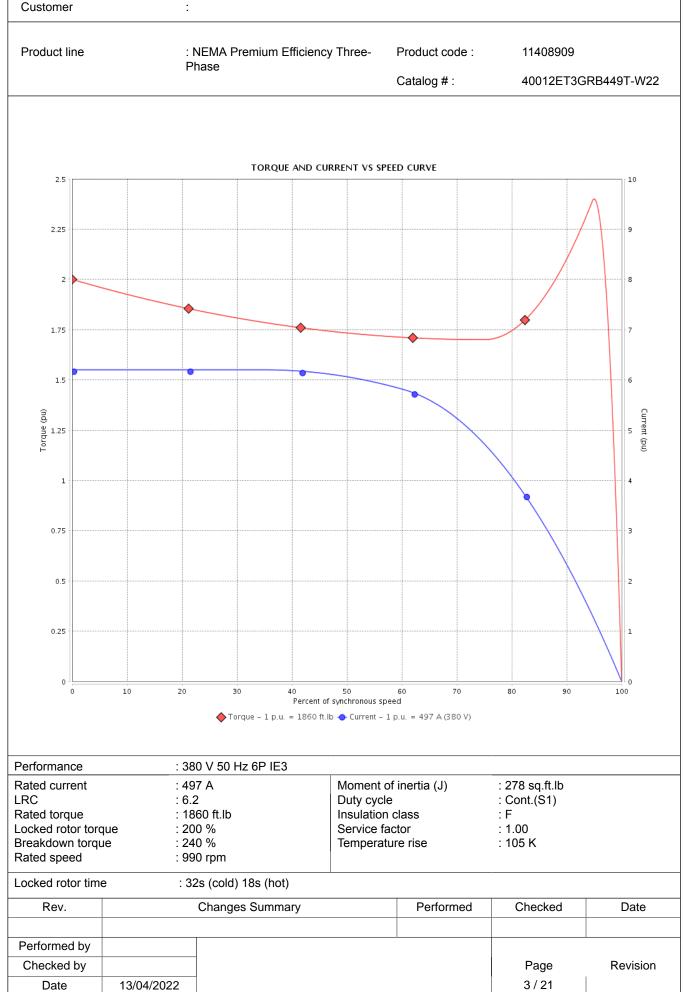
Product line		: NEMA Premium Effice Phase	ciency T	hree- Product code : 11408909					
		Thase		Cat	talog # :	40012E	40012ET3GRB449T-W22		
Frame Insulation class Duty cycle Ambient tempera Altitude Protection degre		: L447/9T : F : Cont.(S1) : -20°C to +40°C : 1000 m.a.s.l. : IP55		Cooling method Mounting Rotation ¹ Starting method Approx. weight ³ Moment of inertia (J)		: IC411 - TEFC : F-1 : Both (CW and CCW) : Direct On Line : 3653 lb : 278 sq.ft.lb			
Output [HP]		400		350	35	50	350		
Poles		6		6	6		6		
Frequency [Hz]		60		50	5	0	50		
Rated voltage [V]		460		380	40	0	415		
Rated current [A]		477		497	47		472		
. R. Amperes [A]		3291		3081	334		3540		
RC [A]		6.9x(Code H)	6.2	2x(Code G)	7.0x(Co		7.5x(Code J)		
No load current [A		200		190	21		225		
Rated speed [RPN	Л]	1190		990	99		990		
Slip [%]		0.83		1.00	1.0	00	1.00		
Rated torque [ft.lb]		1770		1860	18		1860		
_ocked rotor torqu		240		200	22		240		
Breakdown torque	[%]	250		240	26		280		
Service factor		1.00		1.00	1.0		1.00		
Temperature rise		105 K		105 K	105		105 K		
_ocked rotor time		23s (cold) 13s (hot)		cold) 18s (hot			25s (cold) 14s (hot)		
Noise level ²		71.0 dB(A)	7	0.0 dB(A)	70.0 c		70.0 dB(A)		
	25%	95.3		95.3	95		94.5		
Efficiency (%)	50%	95.4		95.4	95		95.0		
	75%	95.8		95.8	95		95.4		
	100%	95.8		95.8	95		95.8		
	25%	0.42		0.45	0.4		0.37		
Power Factor	50%	0.68		0.70	0.6		0.62		
	75%	0.78		0.80	0.7		0.74		
	100%	0.82		0.83	0.8	32	0.80		
Bearing type Sealing Lubrication interv Lubricant amoun Lubricant type		: NU-322 C3 63 : WSeal W : 7000 h 13	<u>rive end</u> 19 C3 /Seal 000 h 45 g EM	Max. traction: 12032 lbMax. compression: 15685 lb					
Notes									
must be eliminate (1) Looking the m (2) Measured at 1	ed. lotor from the Im and with to veight subjec ocess.	cel the previous one, wi shaft end. olerance of +3dB(A). t to changes after	hich				ts with sinusoidal stipulated in NEMA		
Rev.		Changes Summary	,		Performed	Checked	I Date		
Performed by									
Checked by						Page	Revision		
Date	13/04/2022	2				1/21			
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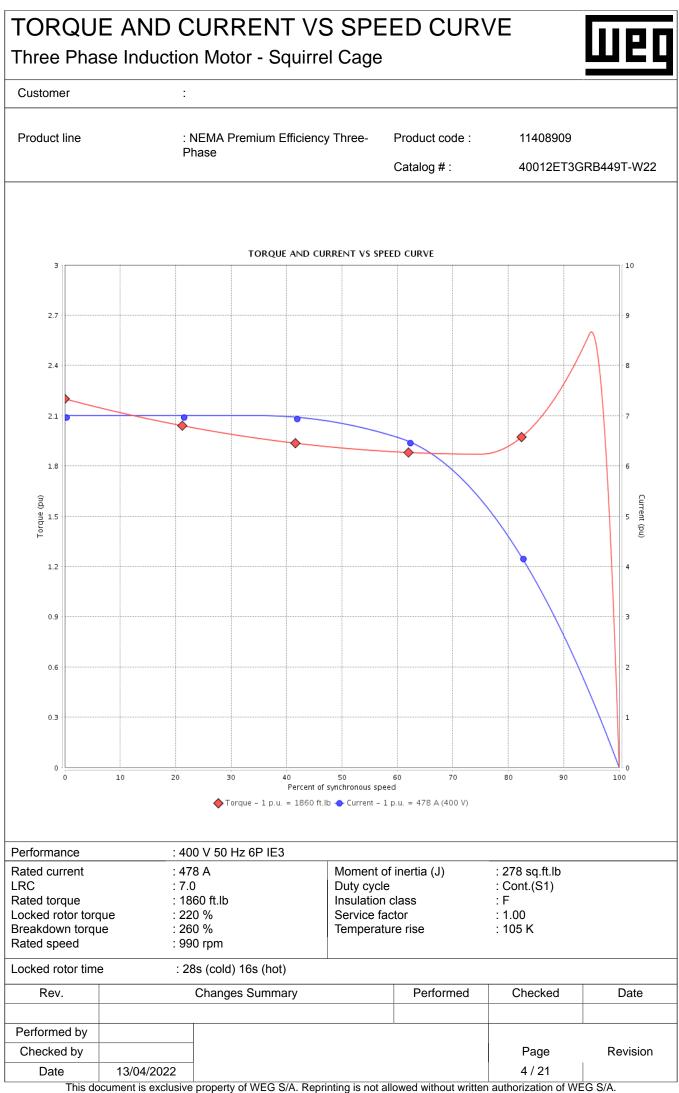
TORQUE AND CURRENT VS SPEED CURVE

Three Phase Induction Motor - Squirrel Cage

Customer



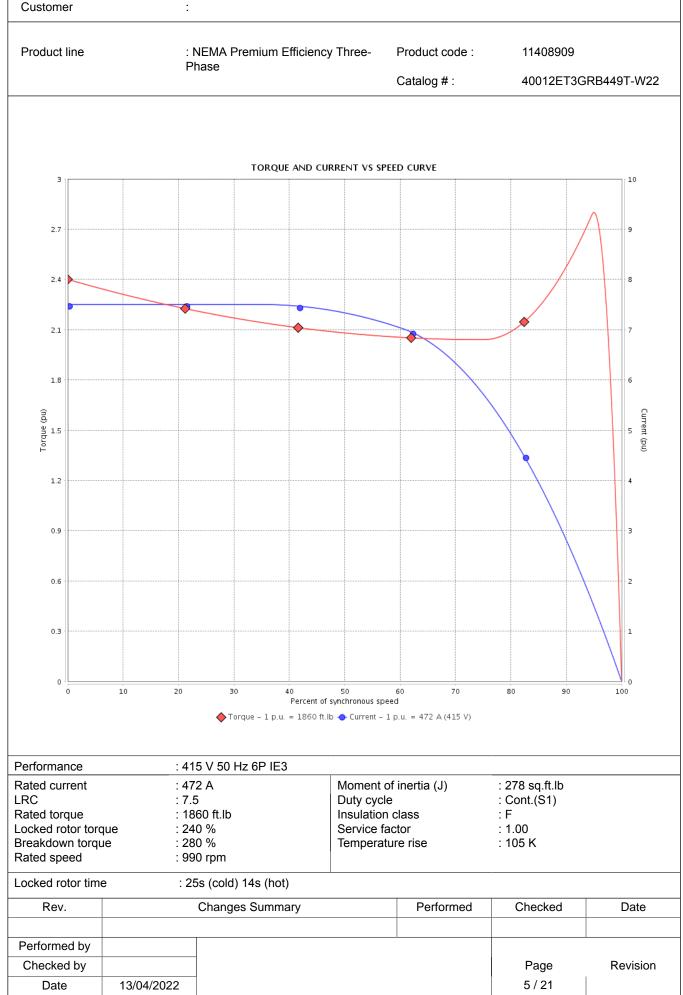
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TORQUE AND CURRENT VS SPEED CURVE

Three Phase Induction Motor - Squirrel Cage

Customer



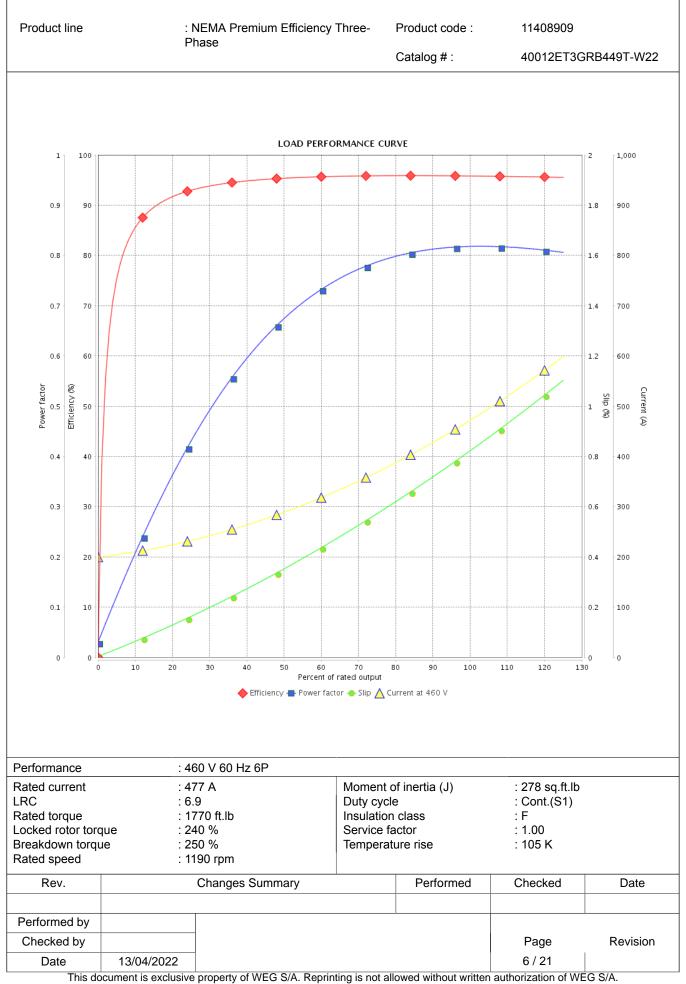
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Three Phase Induction Motor - Squirrel Cage

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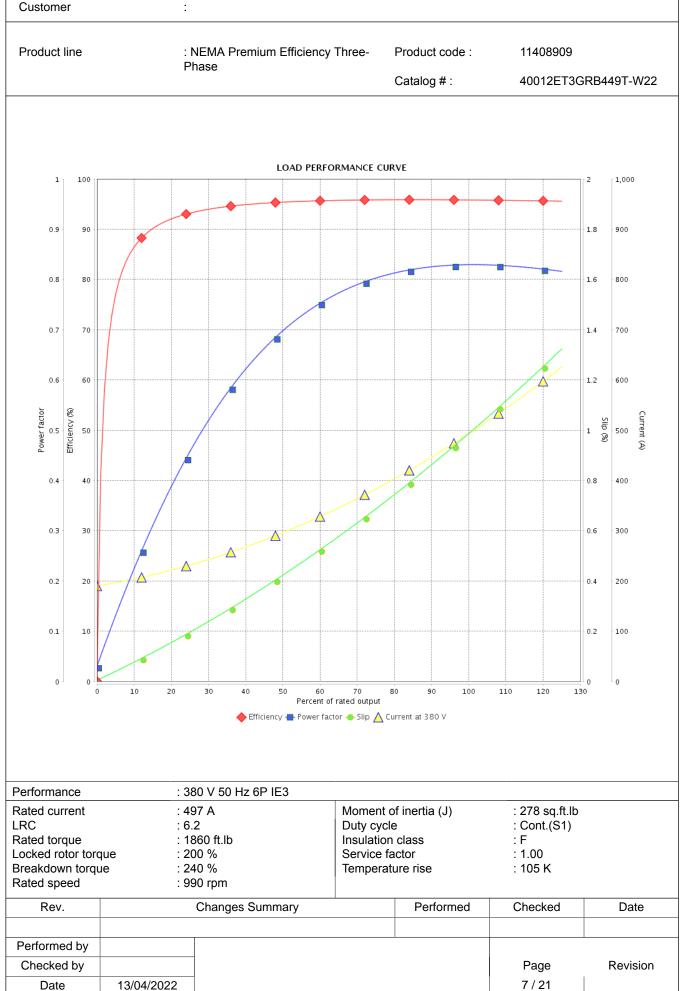


Customer



Three Phase Induction Motor - Squirrel Cage

Customer



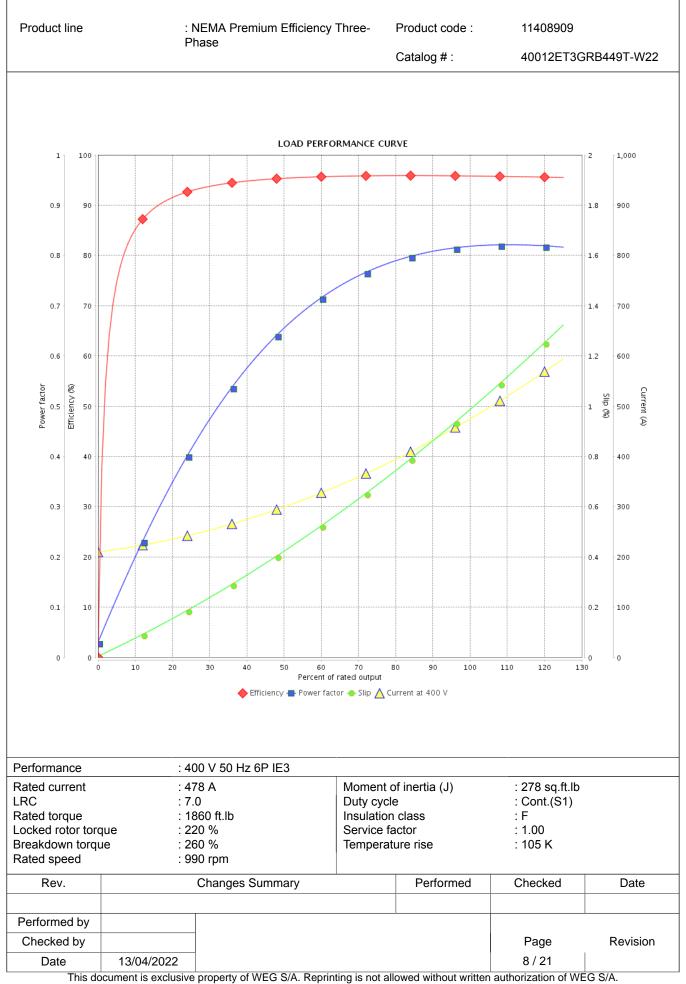
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Three Phase Induction Motor - Squirrel Cage

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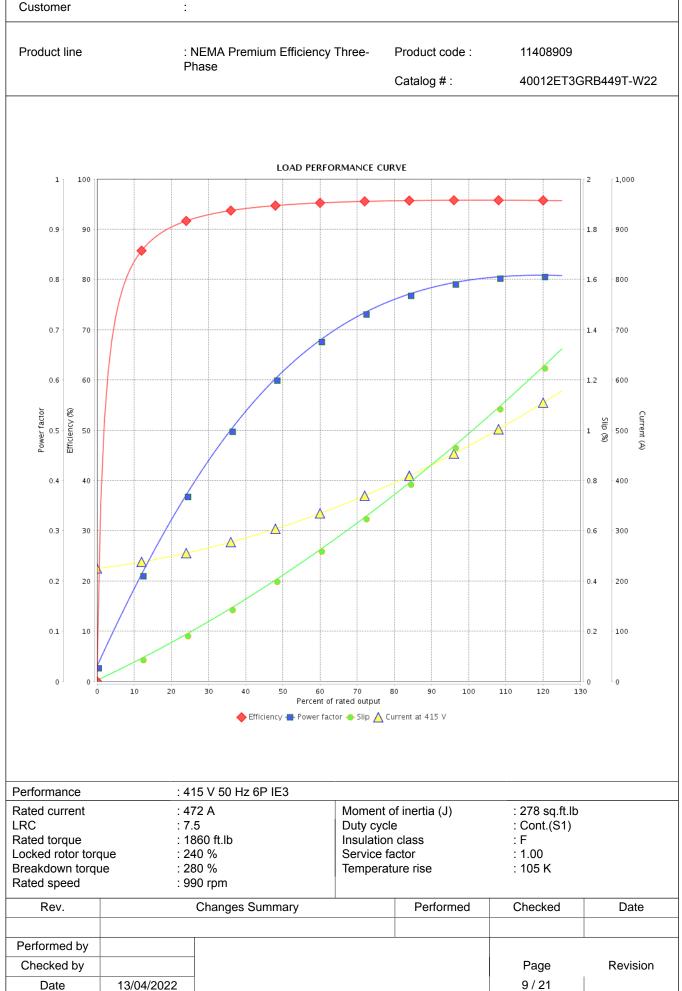


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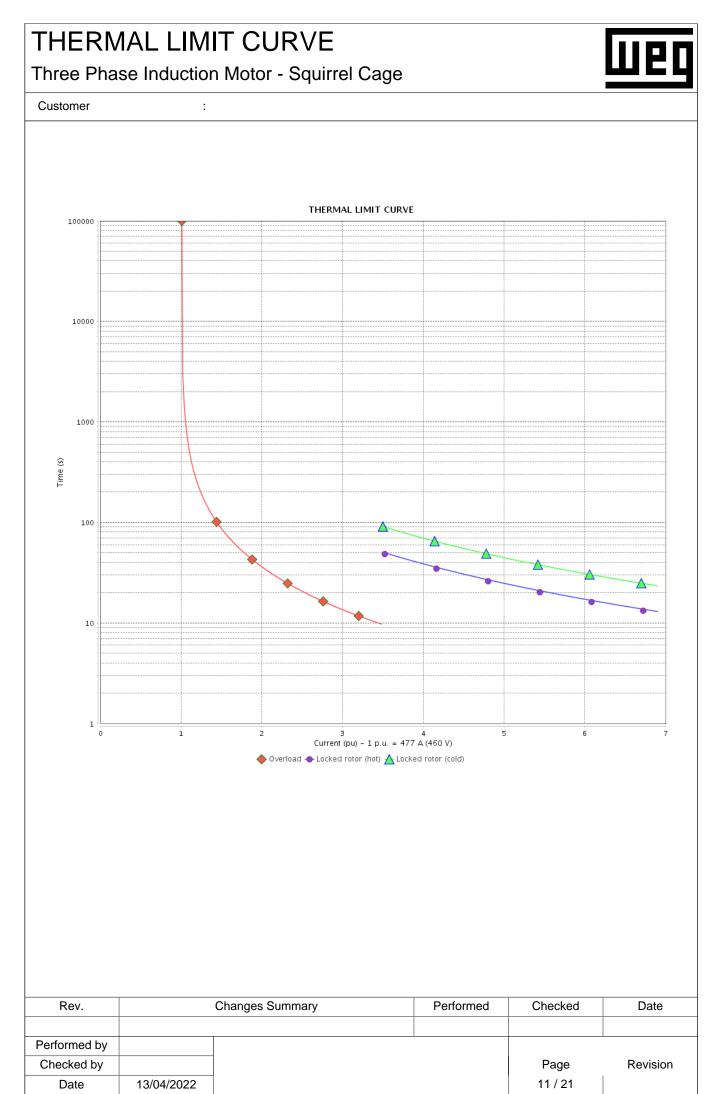
Three Phase Induction Motor - Squirrel Cage

Customer

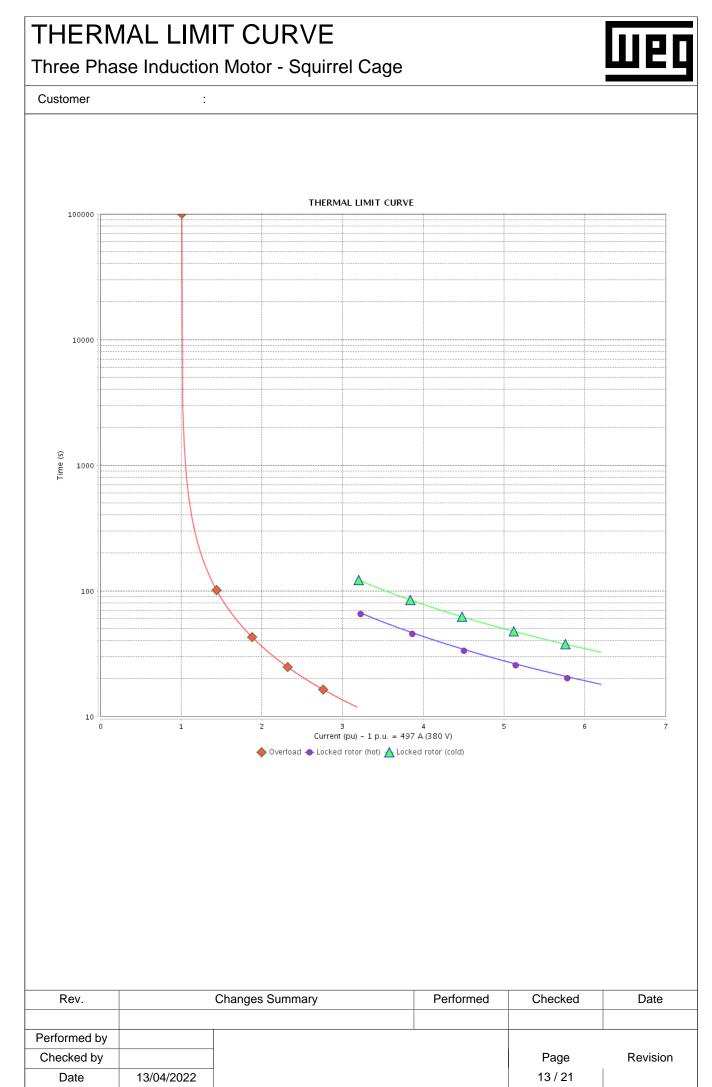


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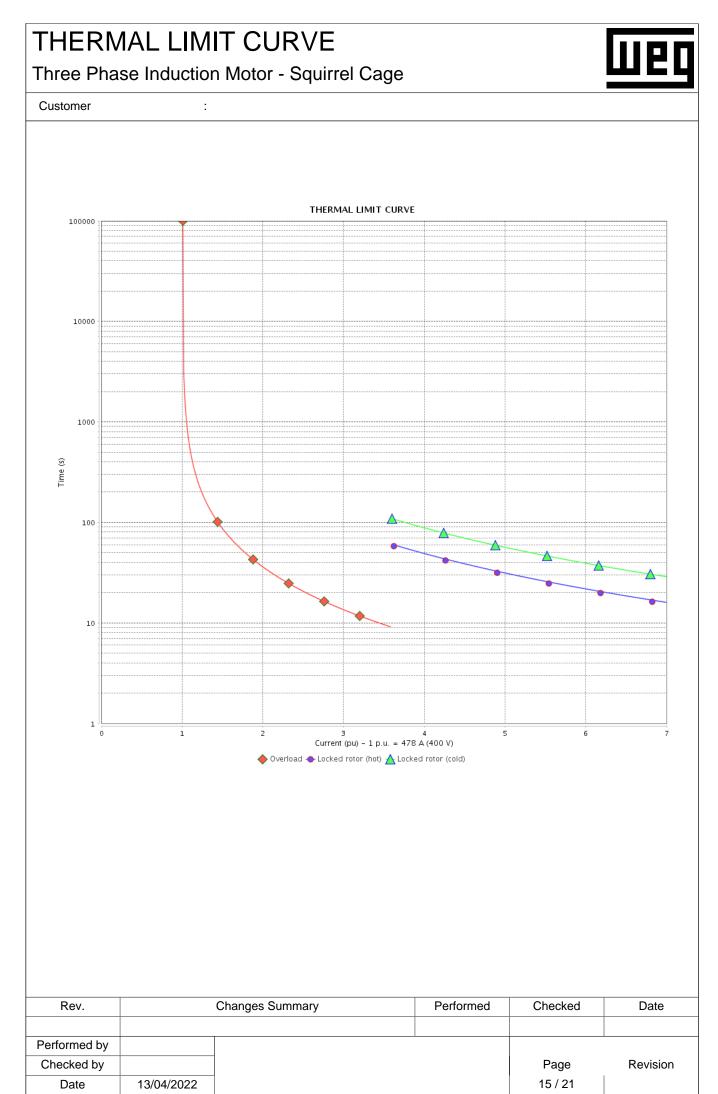
THERMAL LIMIT CURVE								
Three Pha	se Induction	n Motor - Squirrel	Cage					
Customer	:							
Product line		NEMA Premium Efficiency	Three-	Product code :	11408909			
	Р	hase		Catalog # :	40012ET3G	RB449T-W22		
Performance	. 4	60 V 60 Hz 6P						
Rated current LRC		77 A	Moment of Duty cycl	of inertia (J)	: 278 sq.ft.lb : Cont.(S1)			
Rated torque : 177		770 ft.lb 40 %	Insulation Service fa	i class	: F : 1.00			
Breakdown torque : 250		50 % 190 rpm	Temperat		: 105 K			
Heating constant								
Cooling constant Rev.	1	Changes Summary		Performed	Checked	Date		
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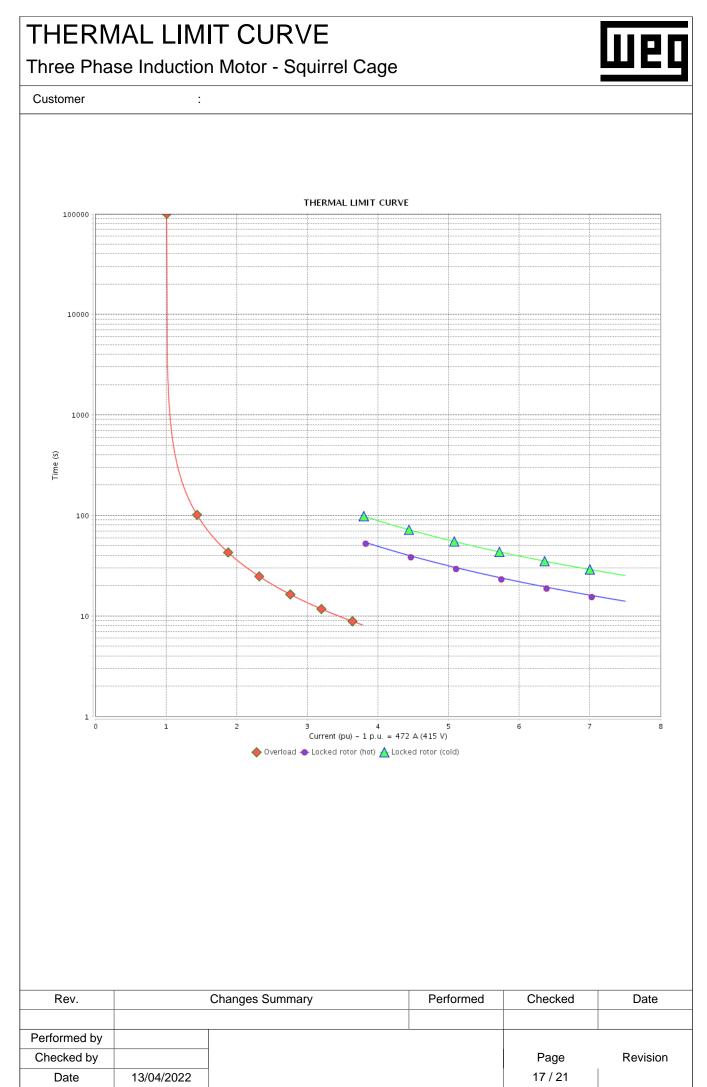
THERMAL LIMIT CURVE								
Three Pha	se Inductio	n Motor - Squirrel	Cage					
Customer	:							
Product line		NEMA Premium Efficiency	Three- Product code :		11408909			
	Р	hase		Catalog # :	40012ET3G	RB449T-W22		
Performance	: 3	80 V 50 Hz 6P IE3						
Rated current LRC		97 A	Moment of Duty cycle	of inertia (J)	: 278 sq.ft.lb : Cont.(S1)			
Rated torque		860 ft.lb	Insulation Service fa	class	: Cont.(ST) : F : 1.00			
Breakdown torque : 2		40 %	Temperat		: 105 K			
Rated speed Heating constant		90 rpm						
Cooling constant								
Rev.		Changes Summary		Performed	Checked	Date		
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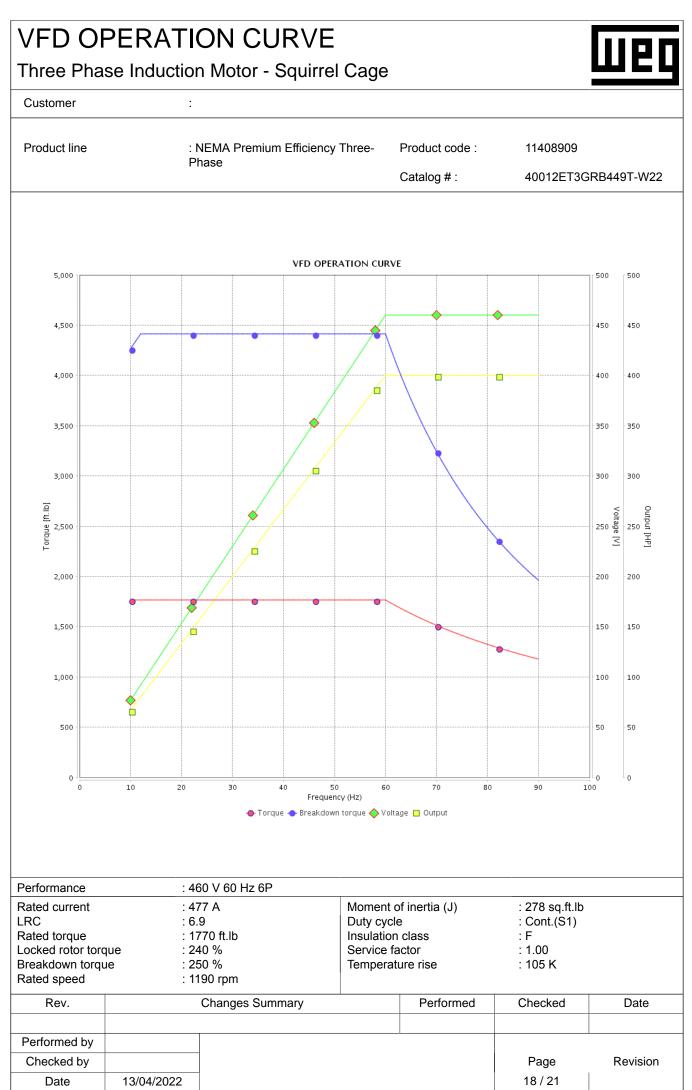


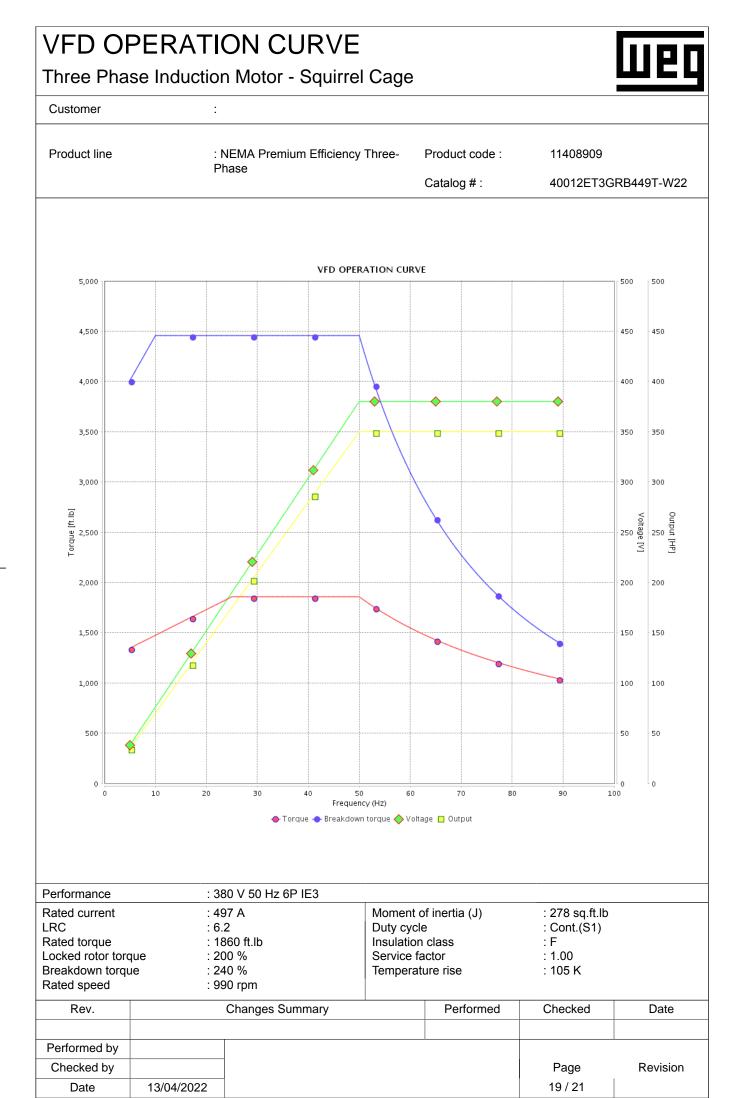
THERMAL LIMIT CURVE								
Three Pha	se Inductio	n Motor - Squirrel	Cage					
Customer	:							
Product line		NEMA Premium Efficiency 1	Three-	Product code :	11408909			
	P	hase		Catalog # :	40012ET3GF	RB449T-W22		
Performance		00 V 50 Hz 6P IE3						
LRC:Rated torque:Locked rotor torque:Breakdown torque:		78 A 0 860 ft.lb 20 % 60 % 90 rpm	Moment of inertia (J) Duty cycle Insulation class Service factor Temperature rise		: 278 sq.ft.lb : Cont.(S1) : F : 1.00 : 105 K			
Heating constant								
Cooling constant Rev.	: 	Changes Summary		Performed	Checked	Date		
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Checked by Date	13/04/2022	-			Page 14 / 21	Revision		

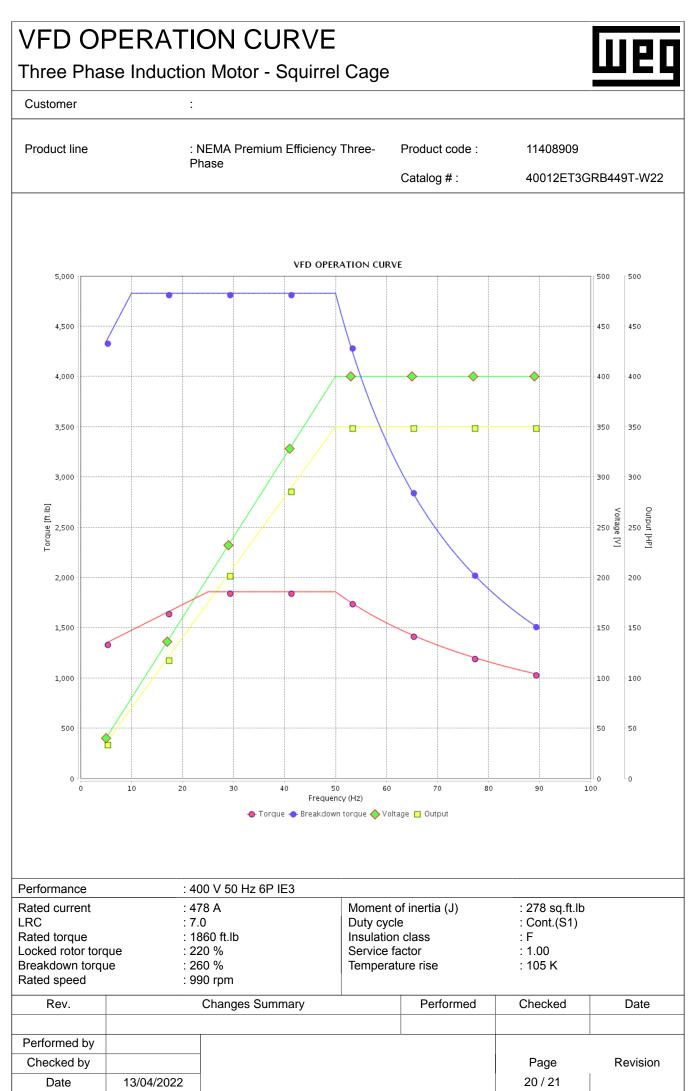


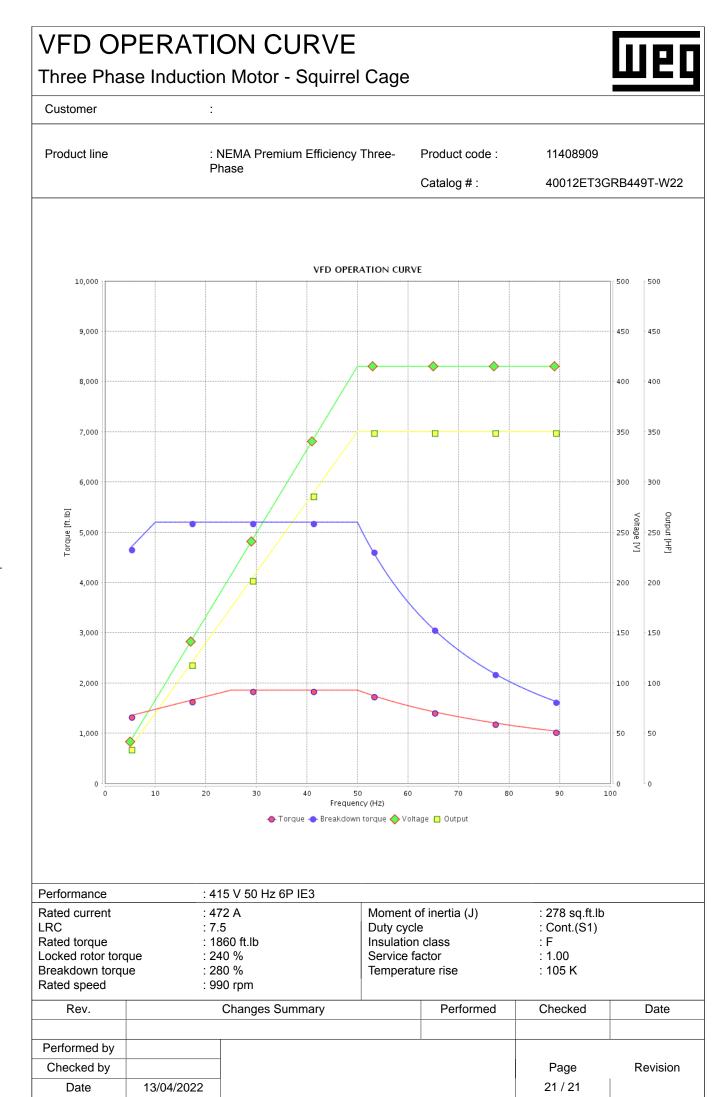
THERMAL LIMIT CURVE								
Three Pha	se Inductio	n Motor - Squirrel	Cage			шсц		
Customer	:							
Product line		NEMA Premium Efficiency	Three-	Product code :	11408909	11408909		
	Р	hase		Catalog # :	40012ET3GF	RB449T-W22		
Performance		15 V 50 Hz 6P IE3						
Rated current		72 A		f inertia (J)	: 278 sq.ft.lb			
Rated torque		860 ft.lb	Duty cycle Insulation class		: Cont.(S1) : F			
Breakdown torque : 2		40 % 80 %	Service fa Temperate		: 1.00 : 105 K			
Rated speed		90 rpm						
Heating constant Cooling constant								
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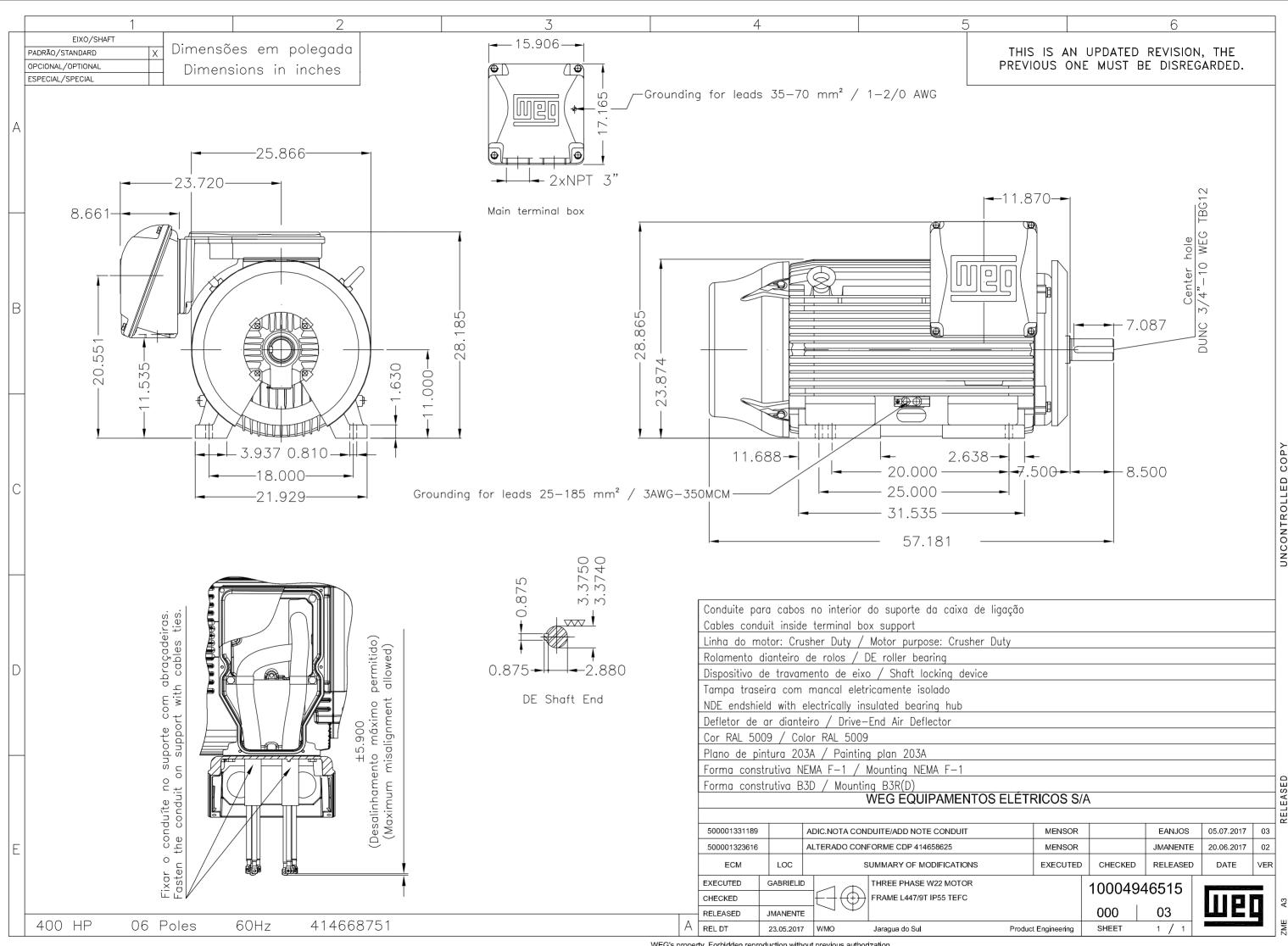












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•		Premium W222					T9 NED	FOR SAFE AREA Mod.TE1BF0X0N		Class Class Class	l, Div 2, Gr A, I, Zone 2, IIC - II, Div 2, Gr F	B, C and D – T2D - T2D and G – T4	
	MODEL 40012ET3	GRB449T-W22											
AZIL €	Electric Motor Severe Duty									PART	- WINDING	WYE-DELTA	
IN BR∕ 408909	PH3 60Hz	Fr. L447/9T	1000m.a.s.l.	IP55	TEFC	3652lb			_		RUN 1 011201100111	START RUN 0T120T100T11 0T120T100T11	
N 08	V 460			a 477						년77 년 18 년79		016 014 015 016 014 015	
	HP 400			kW 300)					016 014 015 011 012 013	16 T4 T5	017 018 019 017 018 019 011 012 013 011 012 013 01 02 03 011 012 03	
MADE 11	SF 1.00			SFA –						NU-322-		1 12 13 11 12 13	-
Σ	RPM 1190			PF 0.	82				<pre>h</pre>				
	AMB 40°C		INS c	I. F		NEMA NOM EFF 9	5.8%		≝→	6319-C3	(45g)		
	DUTY CONT.		DES -	- Code	Н				Ŕ	MOBIL PO	LYREX EM (7	'000h)	
									X			,	