# DATA SHEET

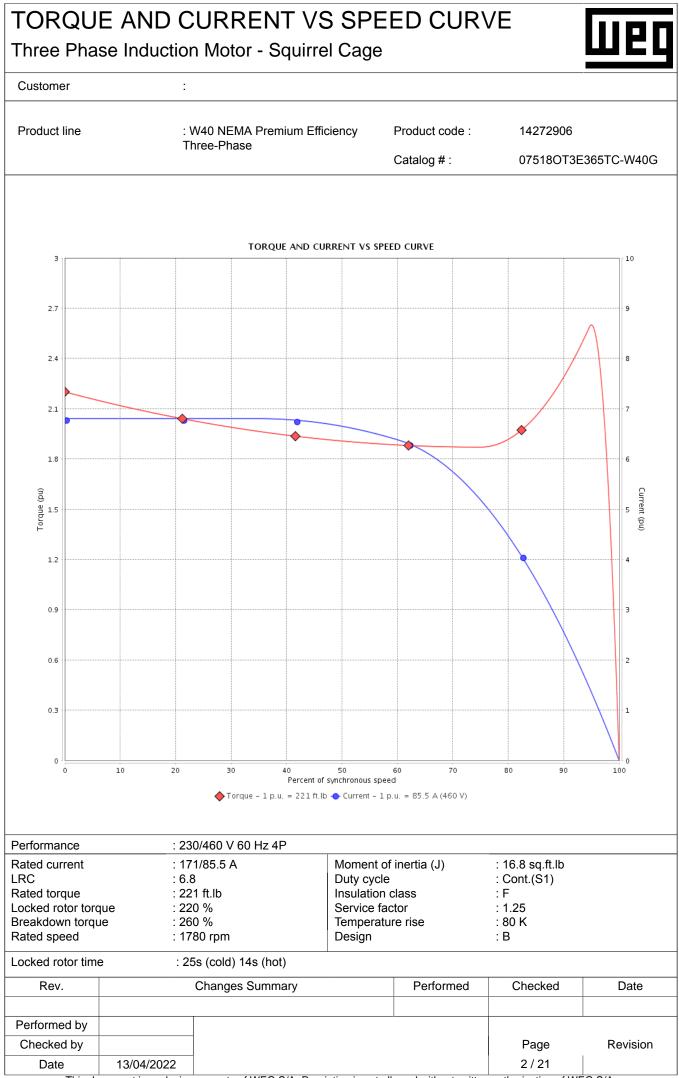
Three Phase Induction Motor - Squirrel Cage

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#### Customer

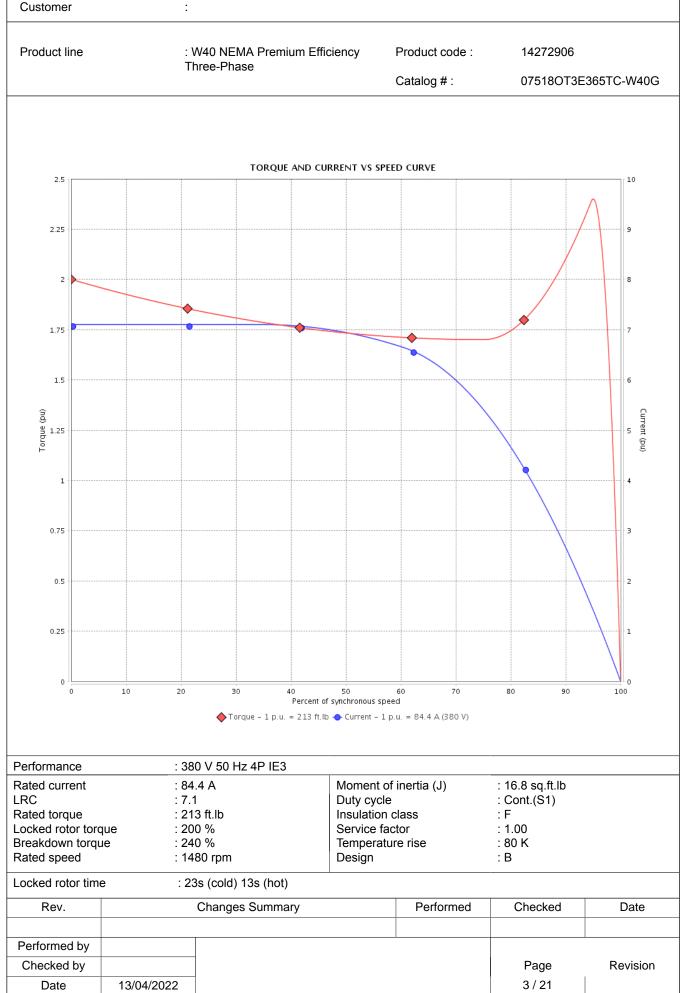
Product line		: W40 NEMA Premiu	n Efficie	ncy Produ	uct code :	14272	906
		Three-Phase		Catal	log # :	07518	OT3E365TC-W40G
Frame: 364/5TCInsulation class: FDuty cycle: Cont.(S1)Ambient temperature: -20°C to +40°CAltitude: 1000 m.a.s.l.Protection degree: IP23Design: B			Cooling method Mounting Rotation <sup>1</sup> Starting method Approx. weight <sup>3</sup> Moment of inertia (J)		: IC01 - ODP : F-1 : Both (CW and CCW) : Direct On Line : 797 lb : 16.8 sq.ft.lb		
Output [HP]		75		60	60		60
Poles		4		4	4		4
Frequency [Hz]		60		50	50		50
Rated voltage [V]		230/460		380	400		415
Rated current [A]		171/85.5		84.4	82.1		80.1
R. Amperes [A]		1163/581		599	591		609
.RC [A]		6.8x(Code G)	7.1	Ix(Code H)	7.2x(Coc		7.6x(Code J)
No load current [A		61.0/30.5		28.5	33.7		36.1
Rated speed [RPN	/]	1780		1480	1482		1484
Slip [%]		1.11		1.33	1.20		1.07
Rated torque [ft.lb		221	213		213		212
ocked rotor torqu		220		200	229		250
Breakdown torque	e [%]	260	240		260		280
Service factor		1.25	1.00		1.00		1.00
Temperature rise		80 K	ļ	80 K	80 K		80 K
ocked rotor time		25s (cold) 14s (hot)	23s (cold) 13s (h		23s (cold) 1	3s (hot)	23s (cold) 13s (hot)
Noise level <sup>2</sup>		69.0 dB(A)					
	25%	94.4	93.7		93.7		93.7
Efficiency (%)	50%	94.5		93.8	93.8		93.8
	75%	95.0	<u> </u>	94.2	94.2		94.2
	100%	95.0		94.2	94.2		94.2
	25%	0.48		0.48	0.43		0.40
Power Factor	50%	0.73		0.73	0.69		0.66
	75%	0.82		0.82	0.80		0.77
	100%	0.85		0.86	0.84		0.83
Bearing type Sealing Lubrication inter- Lubricant amoun Lubricant type		Drive end 6314 C3Non drive end 6212 Z C3Foundation loads:6314 C36212 Z C3Max. traction: 1639 lb:WithoutWithoutMax. compression: 2436 lbBearing SealBearing Seal20000 h: 27 g13 g:Max. if a gradeIf a grade: 1639 lb					
_asilouni type		: Mobil Polyrex	EM				
Notes USABLE @208V		15 SFA 217A					
Notes USABLE @208V This revision repl must be eliminate (1) Looking the m (2) Measured at 1	aces and car ed. lotor from the Im and with t weight subject ocess.	15 SFA 217A					sts with sinusoidal s stipulated in NEMA
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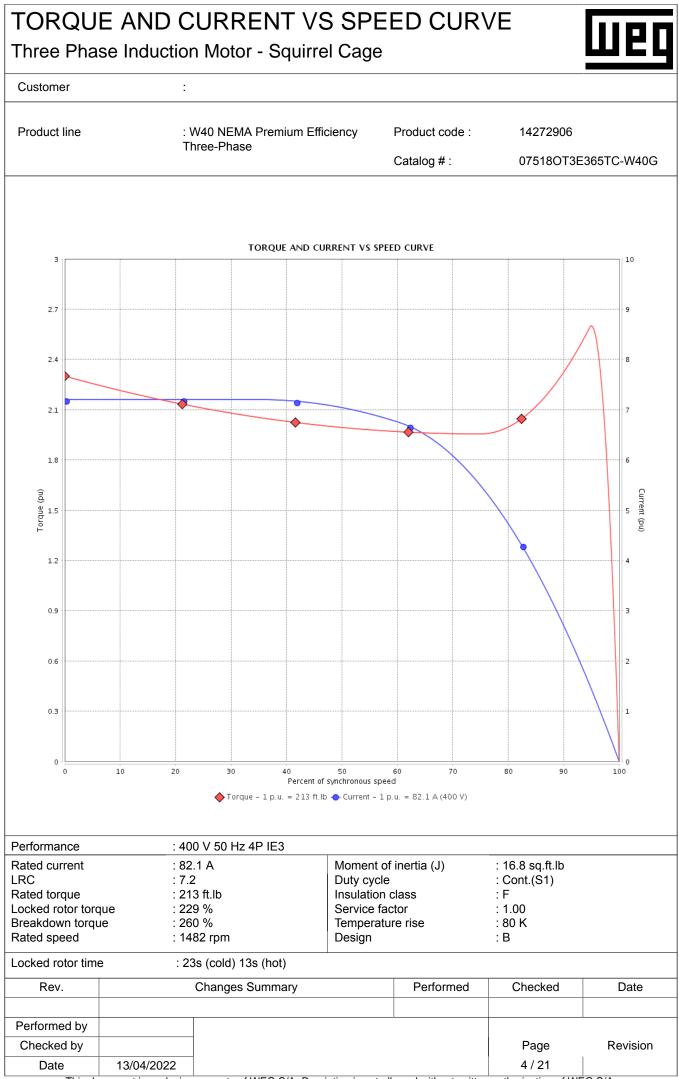
### TORQUE AND CURRENT VS SPEED CURVE

Three Phase Induction Motor - Squirrel Cage

#### Customer



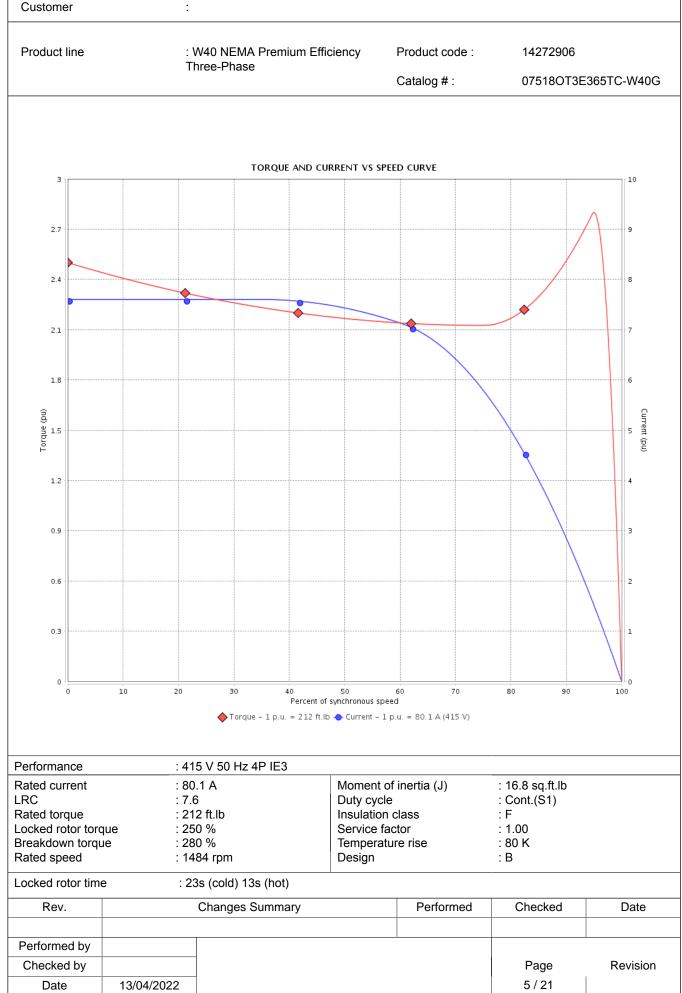
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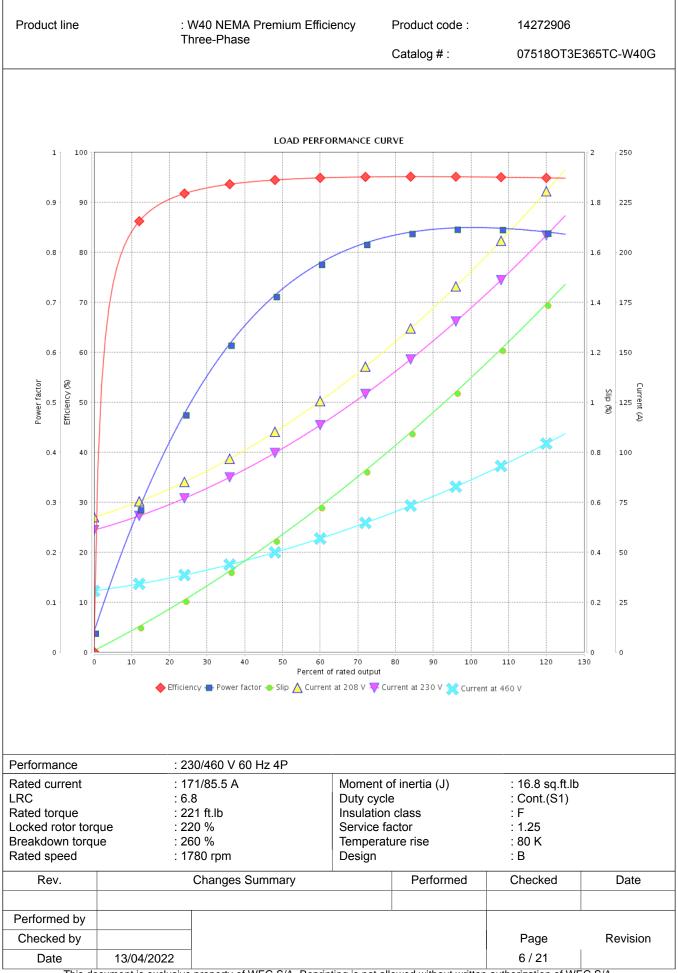
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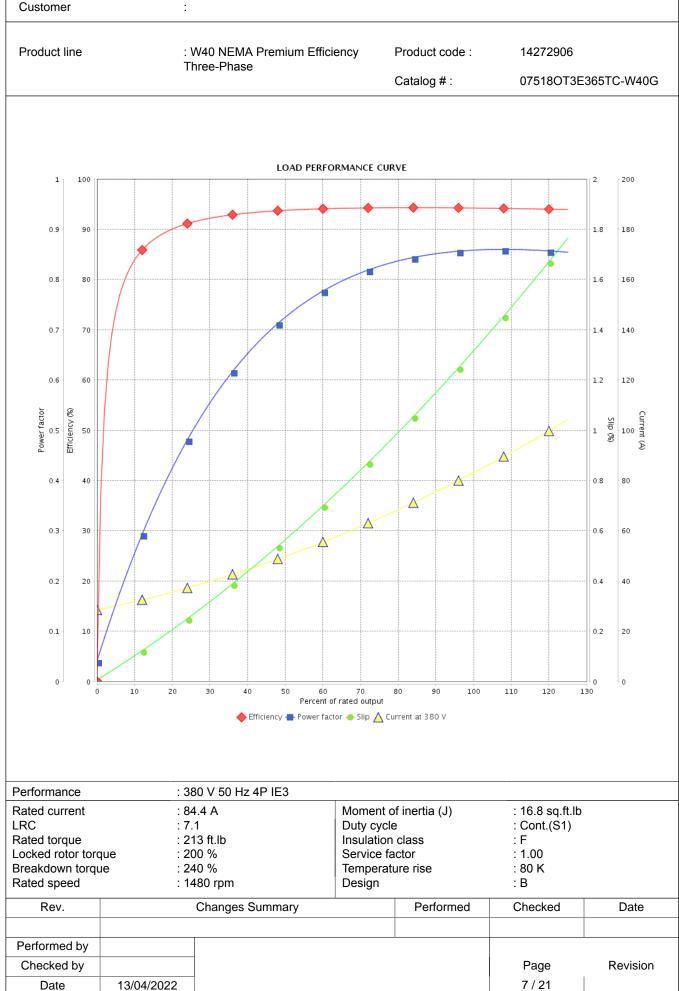


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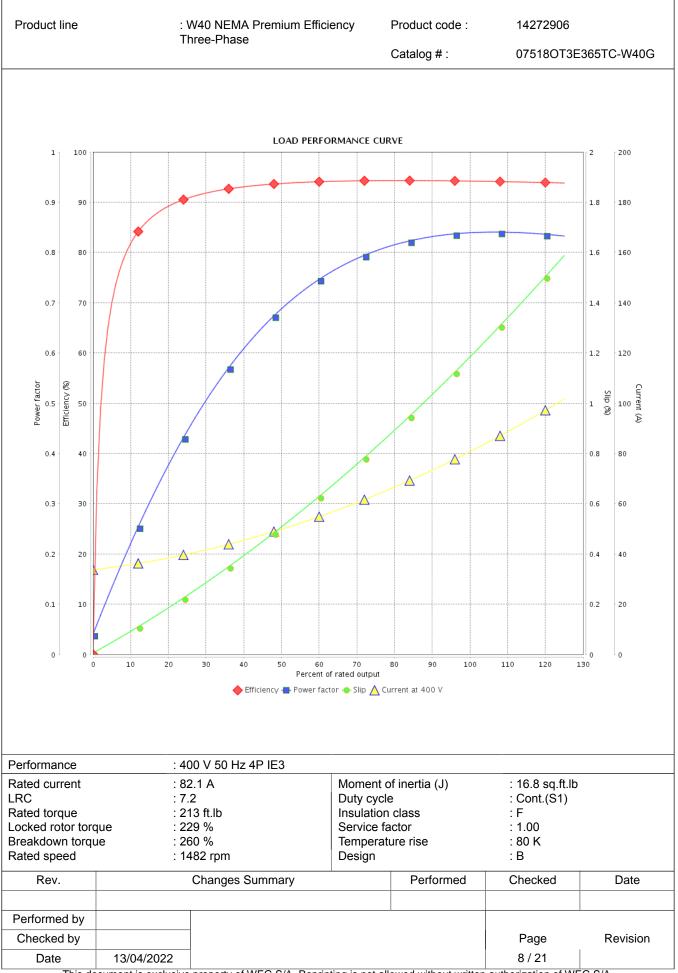
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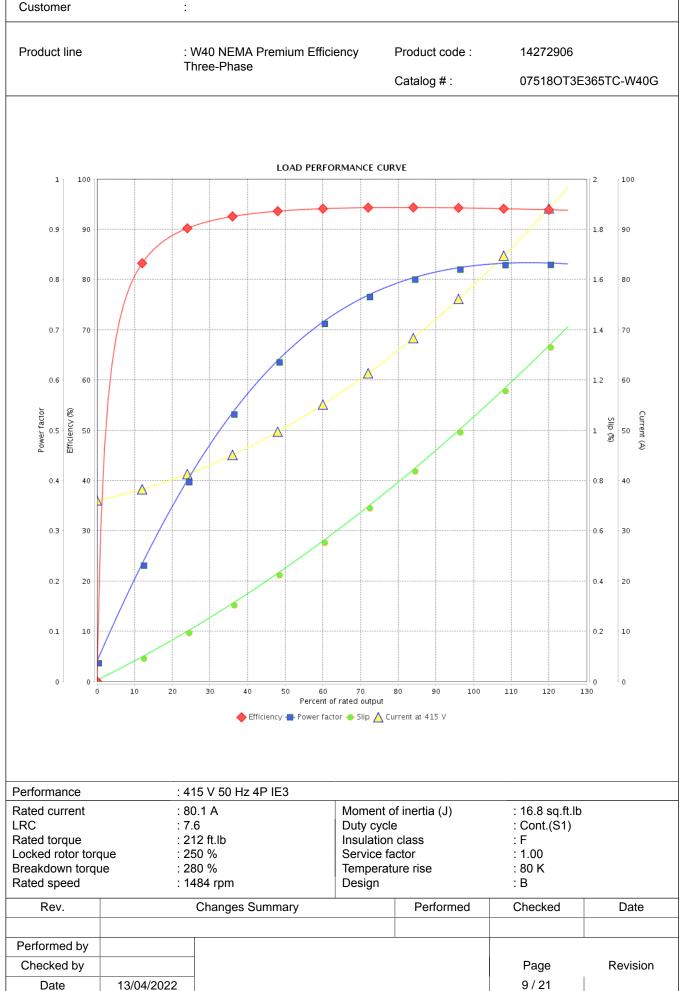


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## THERMAL LIMIT CURVE

Three Phase Induction Motor - Squirrel Cage

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Customer

Product line		: W40 NEMA Premium Efficie Three-Phase	ency	Product code :	14272906	
				Catalog # :	07518OT3E3	865TC-W40G
Performance		230/460 V 60 Hz 4P				
Rated current LRC		171/85.5 A 6.8	Moment of Duty cycle	of inertia (J) e	: 16.8 sq.ft.lb : Cont.(S1)	
Rated torque	:	221 ft.lb	Insulation	class	: F	
Locked rotor torq Breakdown torqu		220 % 260 %	Service fa Temperati		: 1.25 : 80 K	
Rated speed		1780 rpm	Design		: B	
Heating constant						
Cooling constant Rev.		Changes Summers		Performed	Checked	Date
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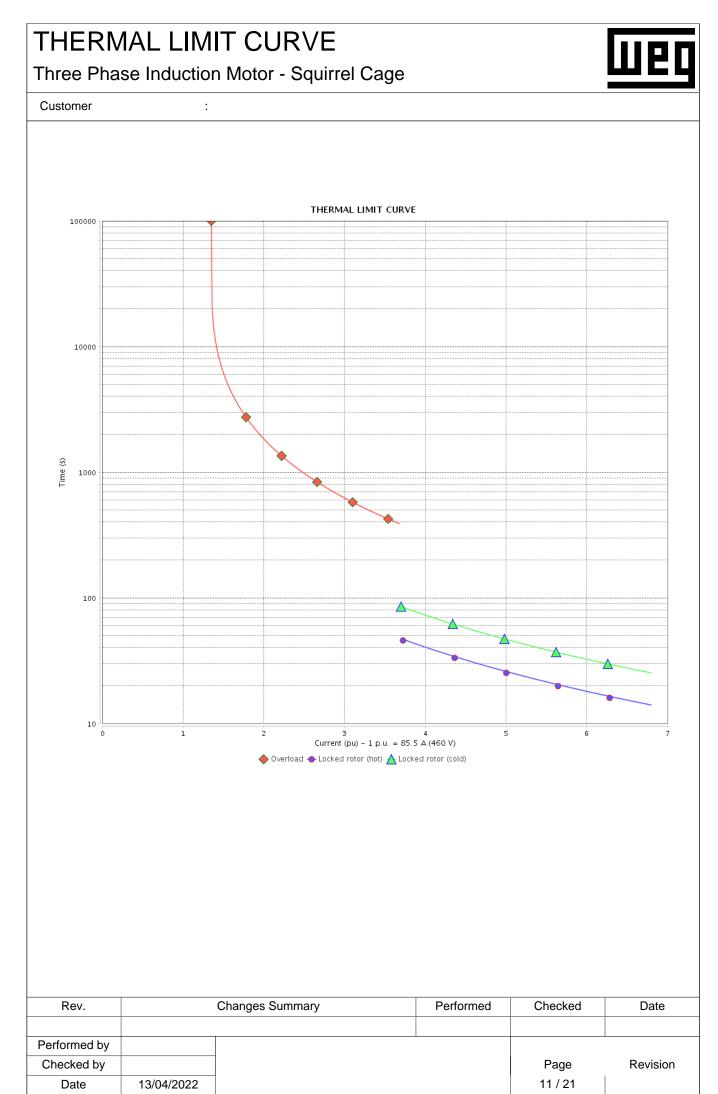
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13/04/2022

Date

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10/21



## THERMAL LIMIT CURVE

Three Phase Induction Motor - Squirrel Cage

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Customer

Product line		W40 NEMA Premium Efficie hree-Phase		Product code :	14272906	
				Catalog # :	07518OT3E3	365TC-W40G
Performance	: 38	80 V 50 Hz 4P IE3				
Rated current LRC Rated torque Locked rotor torq Breakdown torqu Rated speed	: 7 : 2 ue : 20 ie : 24	4.4 A .1 13 ft.lb 00 % 40 % 480 rpm	Moment o Duty cycle Insulation Service fa Temperatu Design	class ctor	: 16.8 sq.ft.lb : Cont.(S1) : F : 1.00 : 80 K : B	
Heating constant						
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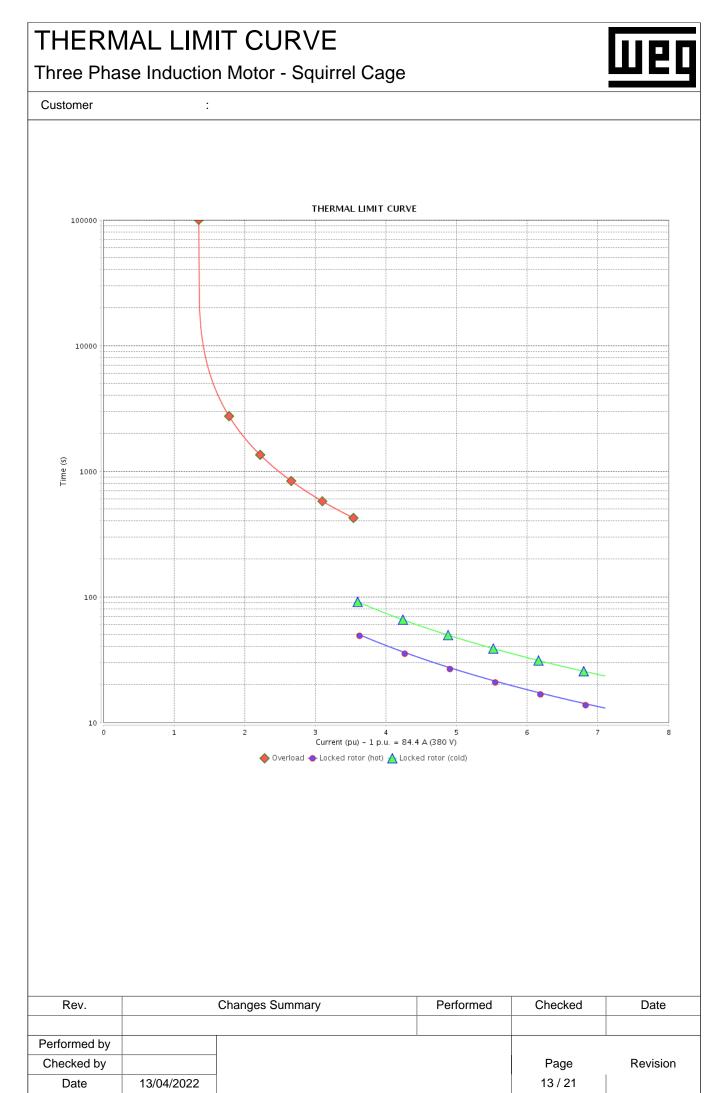
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## THERMAL LIMIT CURVE

Three Phase Induction Motor - Squirrel Cage

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Customer

Product line	: ` T	W40 NEMA Premium Efficie hree-Phase		Product code :	14272906	
				Catalog # :	07518OT3E3	65TC-W40G
Performance	: 40	00 V 50 Hz 4P IE3				
Rated current		2.1 A		f inertia (J)	: 16.8 sq.ft.lb	
LRC Rated torque	: 7.	2 13 ft.lb	Duty cycle Insulation	e class	: Cont.(S1) : F	
Locked rotor torq	ue : 22	29 %	Service fa	ctor	: 1.00	
Breakdown torqu Rated speed		60 % 482 rpm	Temperatu Design	ure rise	: 80 K : B	
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Heating constant Cooling constant						
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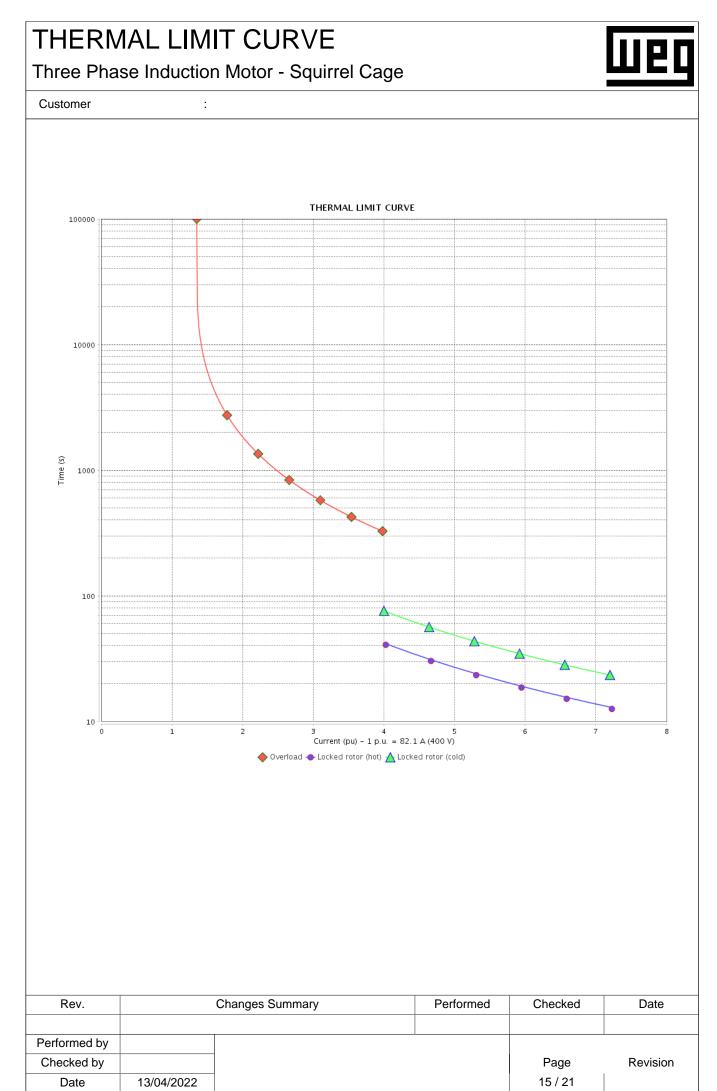
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## THERMAL LIMIT CURVE

Three Phase Induction Motor - Squirrel Cage

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Customer

Product line		W40 NEMA Premium Efficie	ency	Product code :	14272906	
1 Toddet line	T	hree-Phase		Catalog # :	07518OT3E3	65TC-W40G
Performance	: 4	15 V 50 Hz 4P IE3				
Rated current	: 80	0.1 A		f inertia (J)	: 16.8 sq.ft.lb	
LRC Rated torque	: 7. : 2	.6 12 ft.lb	Duty cycle Insulation	e class	: Cont.(S1) : F	
Locked rotor torque Breakdown torque	ue : 2	50 % 80 %	Service fa Temperatu		: 1.00 : 80 K	
Rated speed		484 rpm	Design		: B	
Heating constant						
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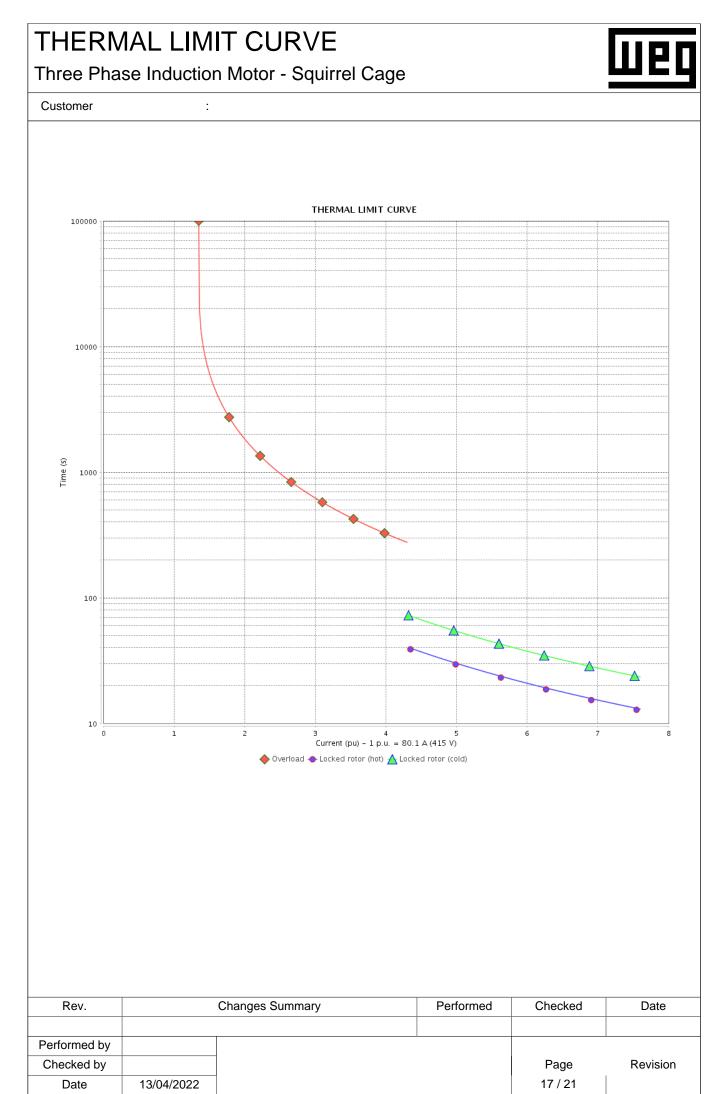
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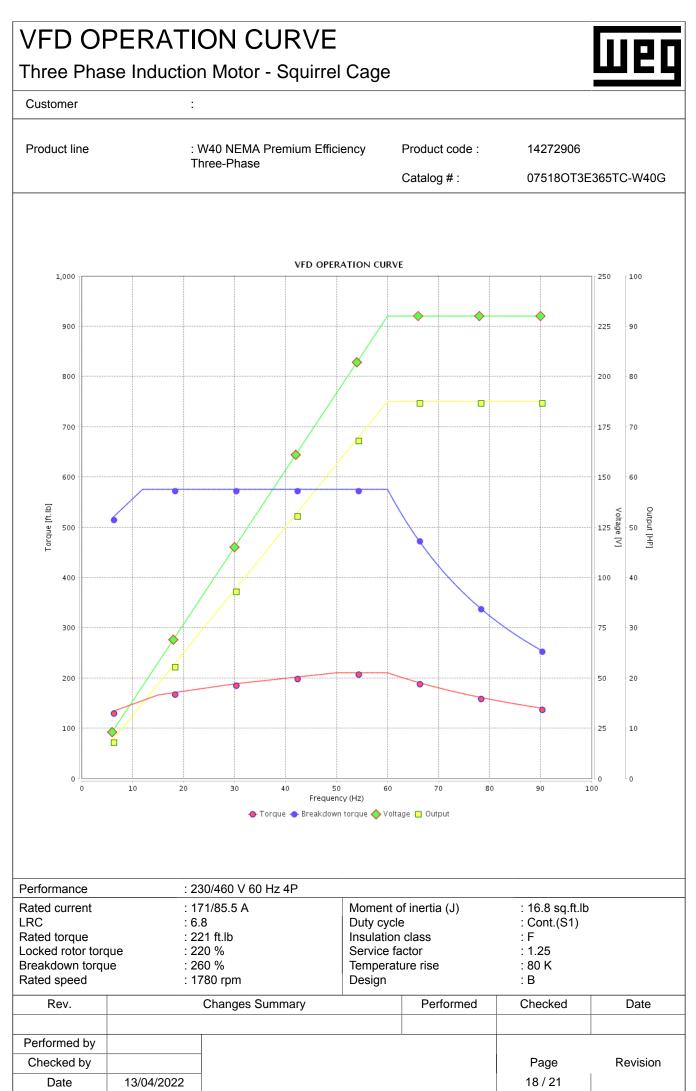
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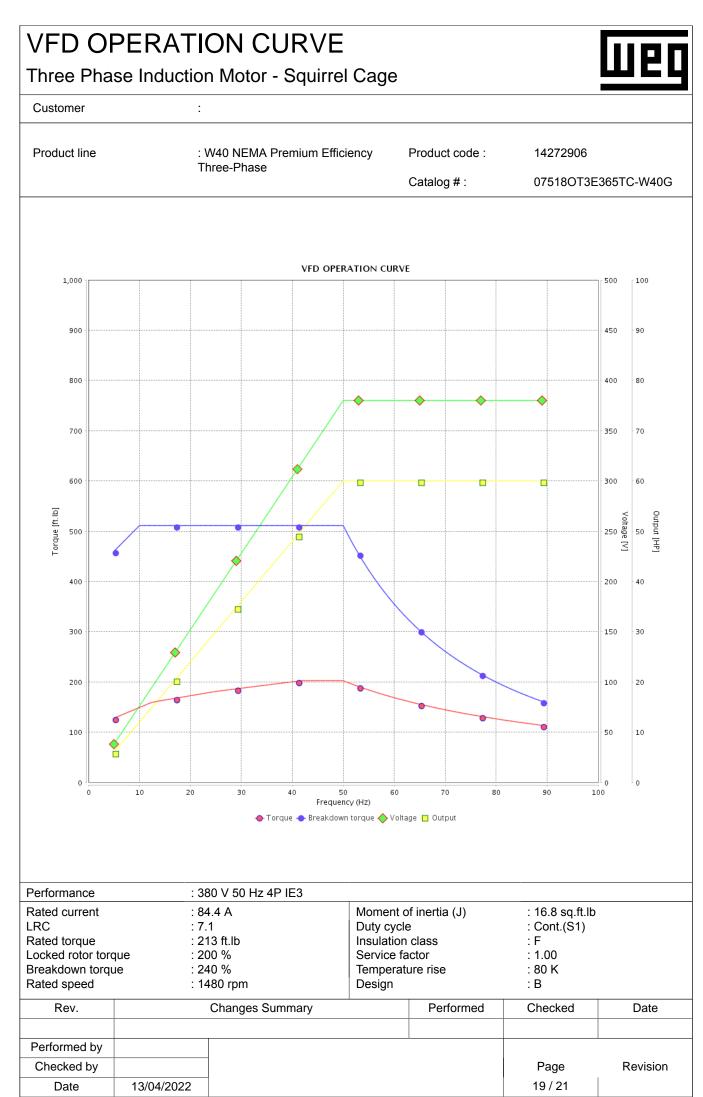
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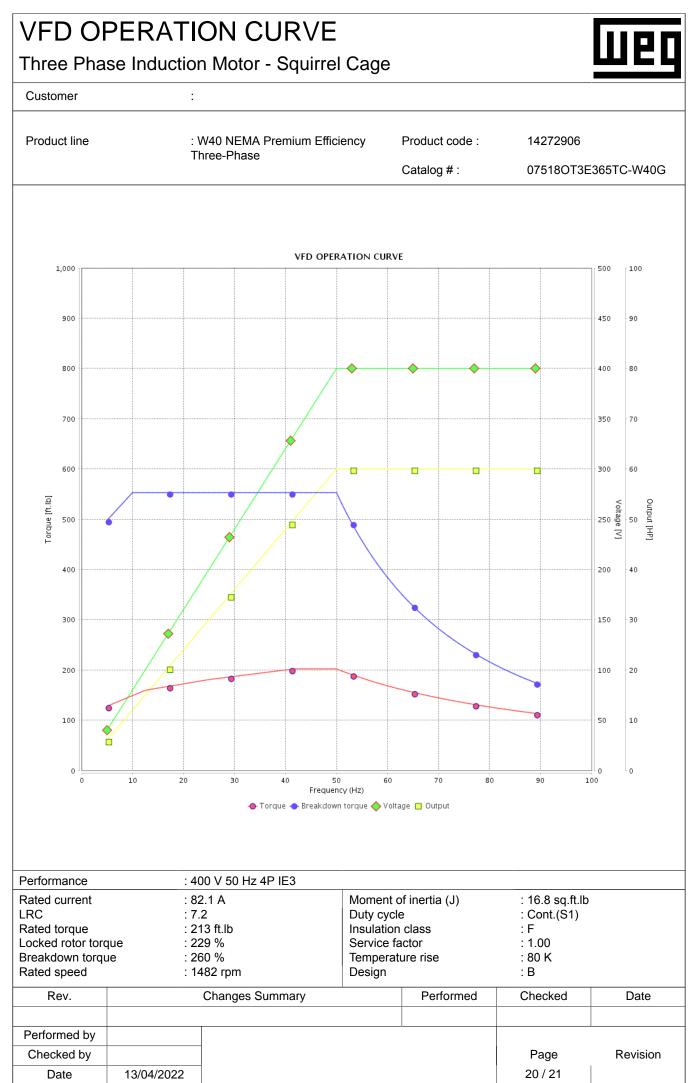
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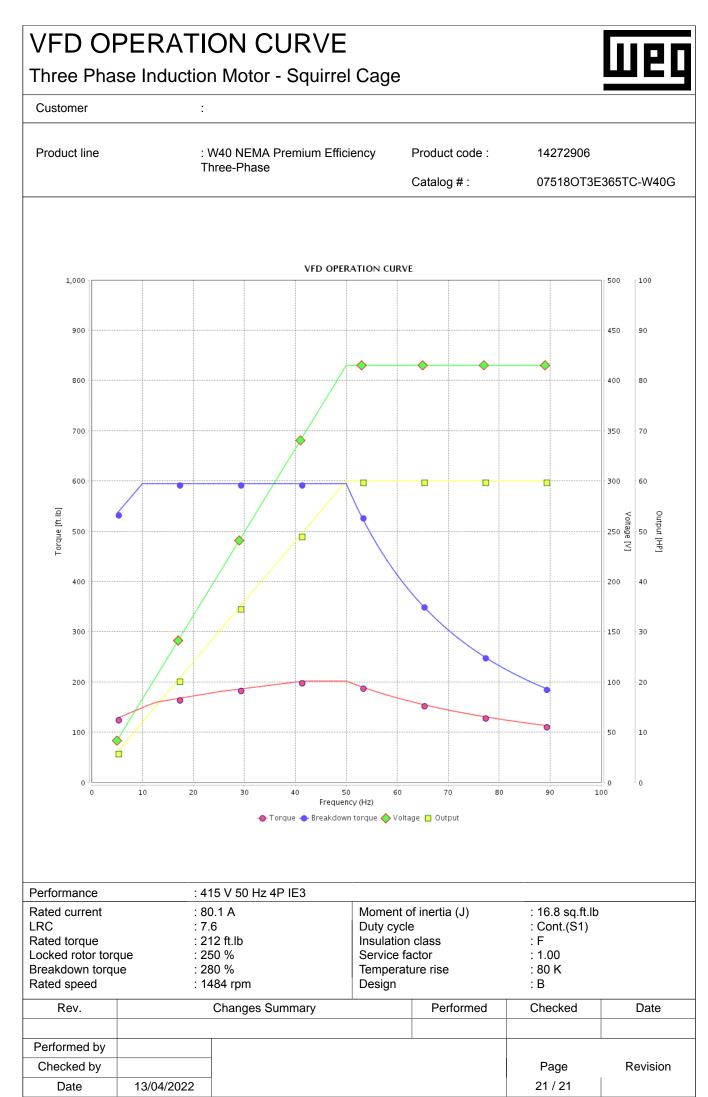
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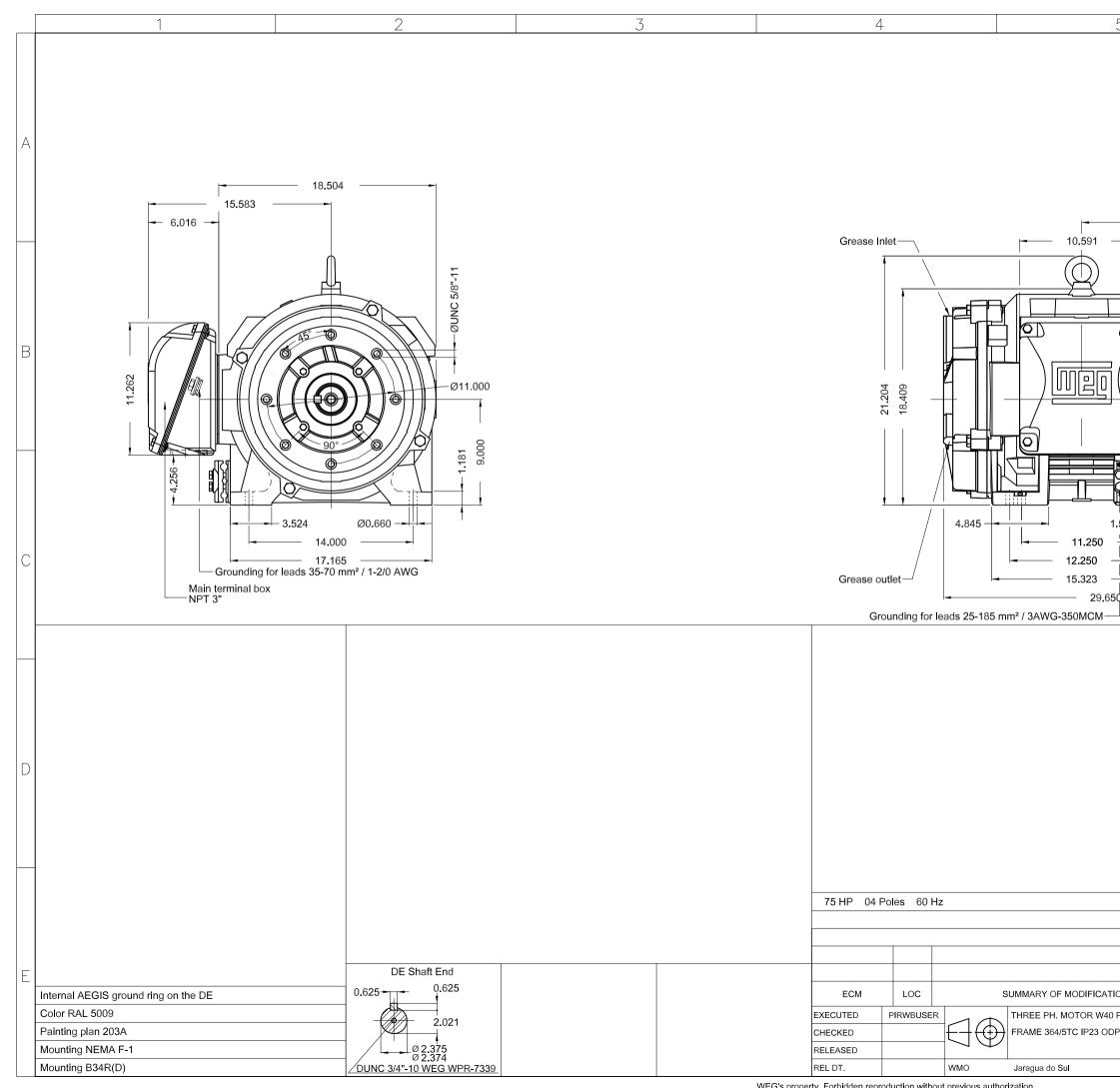












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	CCO29A EXAMPLE CCO29A EXAMPLE CCO29A IN MOD.TO1#F0	(ON Contraction of the set of the
07518013E365TC-W406 DE IN BRAZIL 14272906	PH 3 FR 364/5TC HP(kW) 75.0(55.0) Hz 60	011 012 010 011 012 010   015 016 014 015 016 014
E365TC BRA: 906	v 230/460 a 171/85.5 RPM 1780 DES B	018 019 017 018 019 017 012 013 011 012 013 011
3013E	NEMA NOM EFF 95.0 % INS. CL. F $\triangle$ T 80 K IP23	△ L2 L3 L1 △ L2 L3 L1 208-230V ↓ 460//380V
7518 DE 1 142	ENCL ODP DUTY CONT. AMB. 40°C	
MODEL 0 MAE	CODE G PF 0.85 SF 1.25 SFA 214/107	→ $6314-C3(27g)$ MOBIL POLYREX EM → $6212-Z-C3(13g)$ 20000 h
MOI	usable @208v 189 A SF 1.15 SFA 217	
	60HP 45kW 50Hz 380V 84.4A 1480RPM SF1.00 EFF 94.2% (IE3	) ALT 1000 m.a.s.l. 796 Lbs