# DATA SHEET

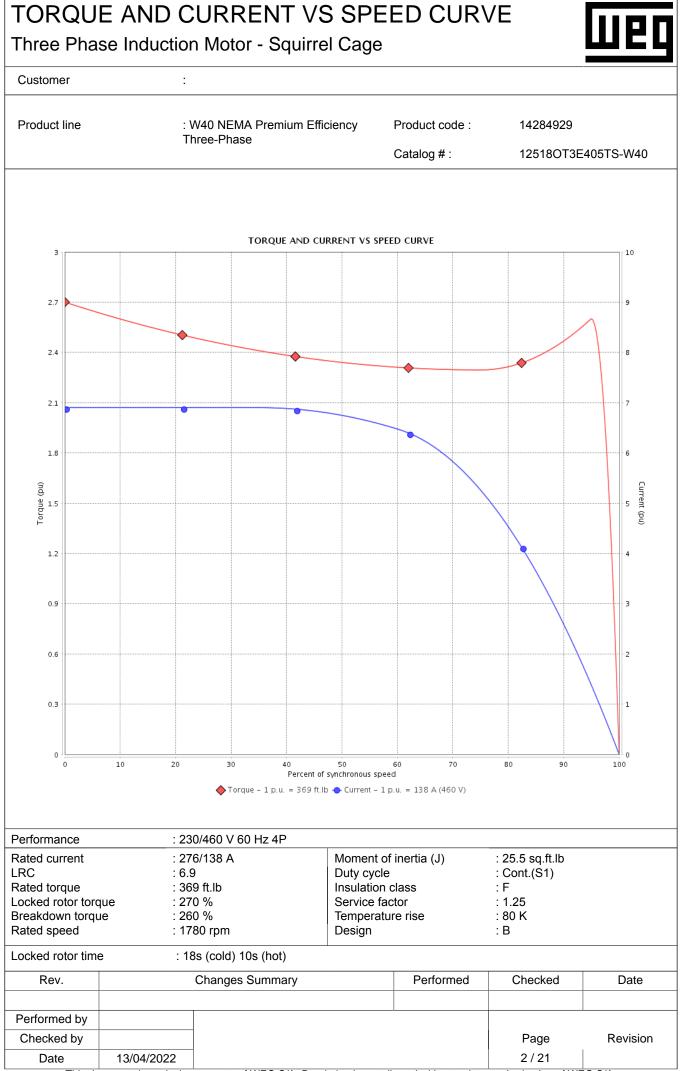
Three Phase Induction Motor - Squirrel Cage

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#### Customer

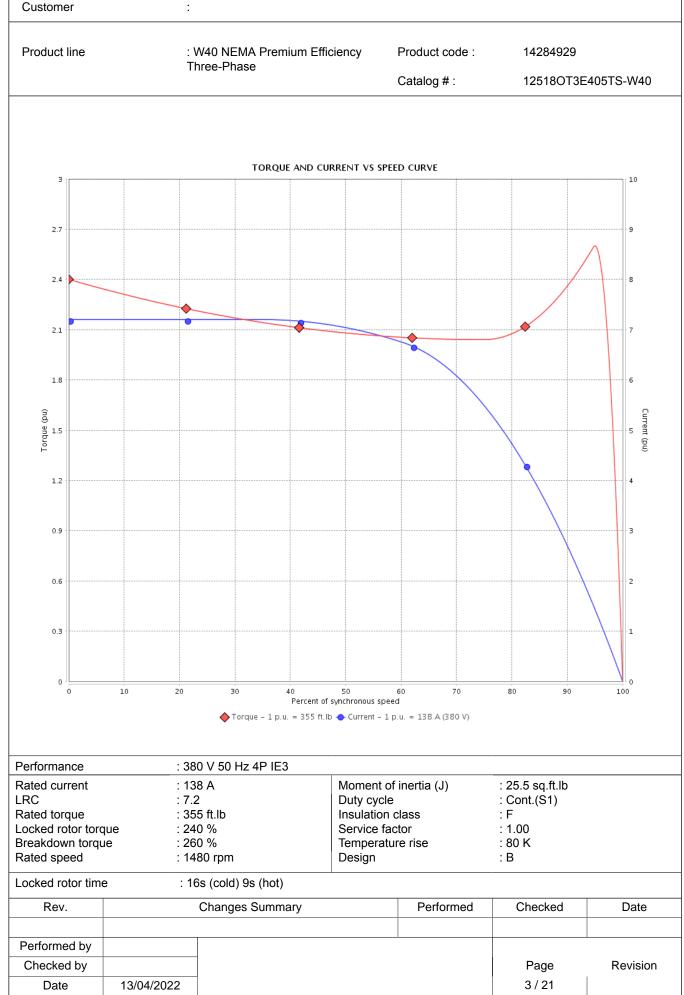
Product line		: W40 NEMA Premium Efficiency Three-Phase		ncy Pro	Product code :		14284929	
		Three-Filase		Cat	alog # :	12518C	0T3E405TS-W40	
Frame Insulation class Duty cycle Ambient temperature Altitude Protection degree Design		: 404/5TS : F : Cont.(S1) : -20°C to +40°C : 1000 m.a.s.l. : IP23 : B		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 : 1014 lb : 25.5 sq.ft.lb		
Output [HP]		125		100	100	n	100	
Poles		4		4	4		4	
Frequency [Hz]		60		50	50		50	
Rated voltage [V]		230/460		380	400		415	
Rated current [A]		276/138		138			129	
. R. Amperes [A]		1904/952				4	1032	
_RC [A]		6.9x(Code G)	7 2	2x(Code H)	7.7x(Co		8.0x(Code J)	
No load current [A	1	94.0/47.0		46.3	50.2		53.7	
Rated speed [RPN		1780		1480	148		1480	
Slip [%]	1	1.11		1.33	1.3		1.33	
Rated torque [ft.lb	1	369		355	355		355	
_ocked rotor torqu		270	240		270		290	
Breakdown torque		260		260	300		320	
Service factor	. [,.]	1.25			.00 1.00		1.00	
Temperature rise		80 K			30 K 80		80 K	
_ocked rotor time		18s (cold) 10s (hot)	16s (	cold) 9s (hot)	16s (cold)		14s (cold) 8s (hot)	
Noise level <sup>2</sup>		69.0 dB(A)						
	25%	94.9		94.5	94.	5	94.8	
	50%	95.0		94.6	94.		94.9	
Efficiency (%)	75%	95.4	95.0		95.		95.0	
	100%	95.4	95.0		95.		95.0	
	25%	0.50		0.50	0.4		0.43	
<b>-</b> -	50%	0.75		0.76	0.7		0.69	
Power Factor	75%	0.83		0.84	0.8		0.80	
	100%	0.86		0.87	0.8		0.85	
Bearing type : Sealing : Lubrication interval : Lubricant amount : Lubricant type :		: 6314 C3 621 : Without Wi Bearing Seal Bear : 20000 h 20 : 27 g 1	6314 C36212 Z C3Max. tractionWithoutWithoutMax. compressBearing SealBearing Seal20000 h20000 h		n	: 2898 lb : 3912 lb		
Notes USABLE @208V	′ 305A SF 1.1	15 SFA 351A						
				[				
must be eliminate (1) Looking the m (2) Measured at 1	ed. notor from the 1m and with t weight subjec ocess.	ncel the previous one, when shaft end. olerance of +3dB(A). ot to changes after	hich				ts with sinusoidal stipulated in NEMA	
must be eliminate (1) Looking the m (2) Measured at 1 (3) Approximate manufacturing pro-	ed. notor from the 1m and with t weight subjec ocess.	e shaft end. olerance of +3dB(A).		power suppl MG-1.			stipulated in NEMA	
must be eliminate (1) Looking the m (2) Measured at 1 (3) Approximate manufacturing pro (4) At 100% of ful	ed. notor from the 1m and with t weight subjec ocess.	e shaft end. olerance of +3dB(A). ct to changes after		power suppl MG-1.	y, subject to the	e tolerances s	stipulated in NEMA	
must be eliminate (1) Looking the m (2) Measured at 7 (3) Approximate v manufacturing pr (4) At 100% of ful Rev.	ed. notor from the 1m and with t weight subjec ocess.	e shaft end. olerance of +3dB(A). ct to changes after Changes Summary		power suppl MG-1.	y, subject to the	e tolerances s	stipulated in NEMA	



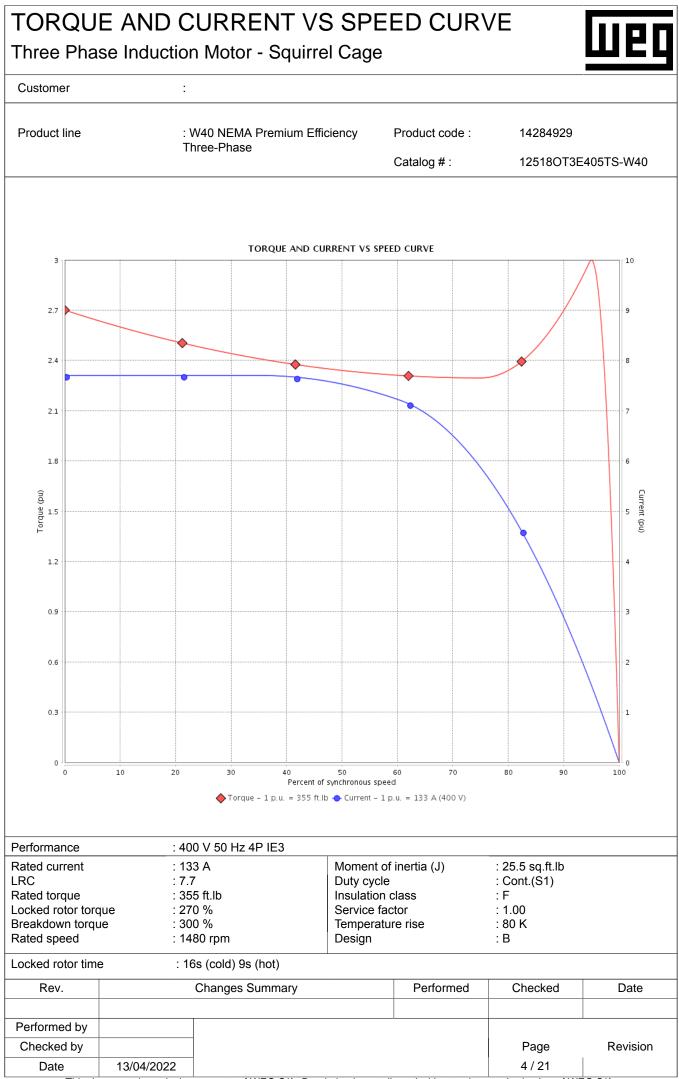
### TORQUE AND CURRENT VS SPEED CURVE

Three Phase Induction Motor - Squirrel Cage

#### Customer



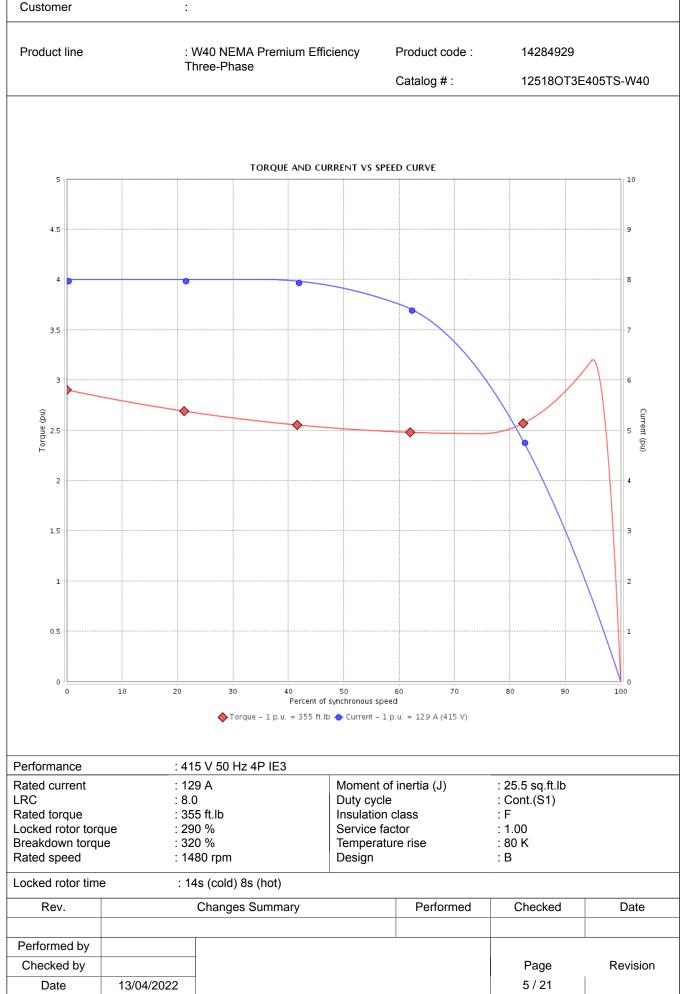
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### TORQUE AND CURRENT VS SPEED CURVE

Three Phase Induction Motor - Squirrel Cage

#### Customer



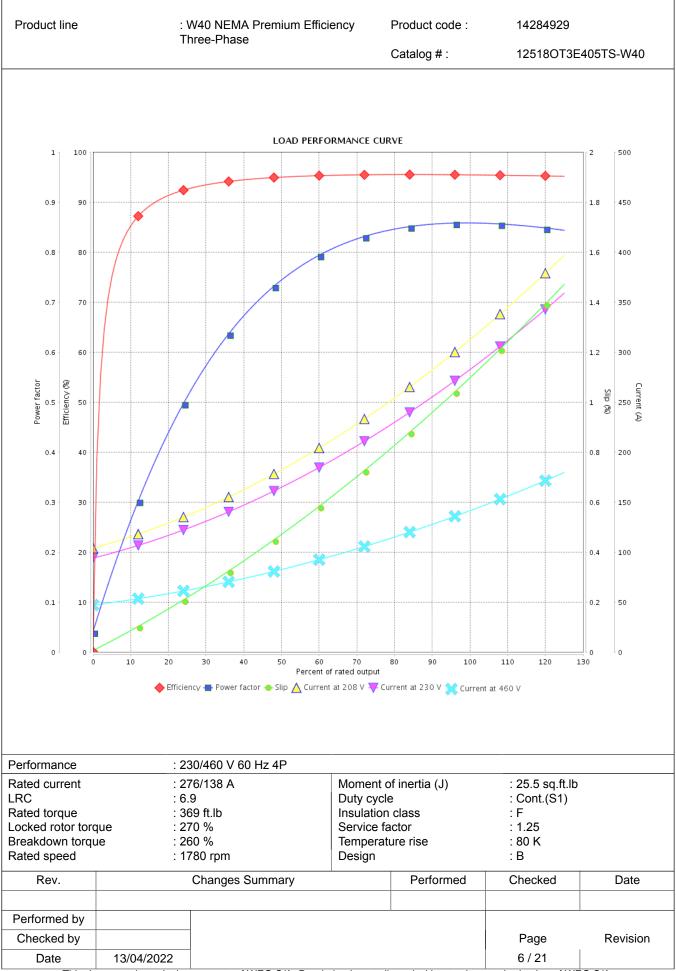
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Three Phase Induction Motor - Squirrel Cage

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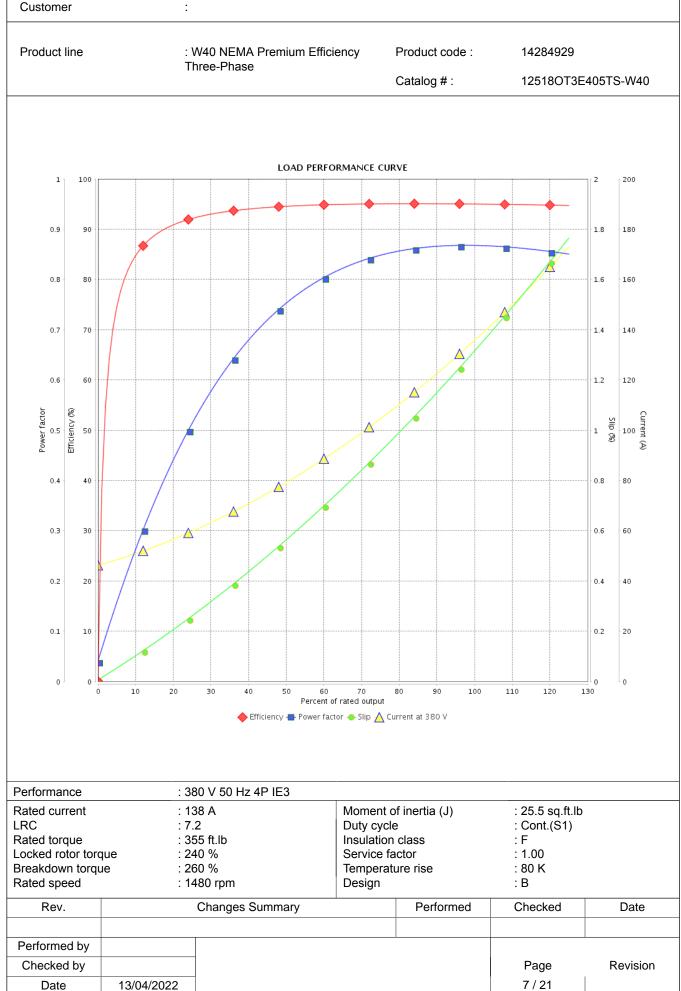


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Three Phase Induction Motor - Squirrel Cage

#### Customer



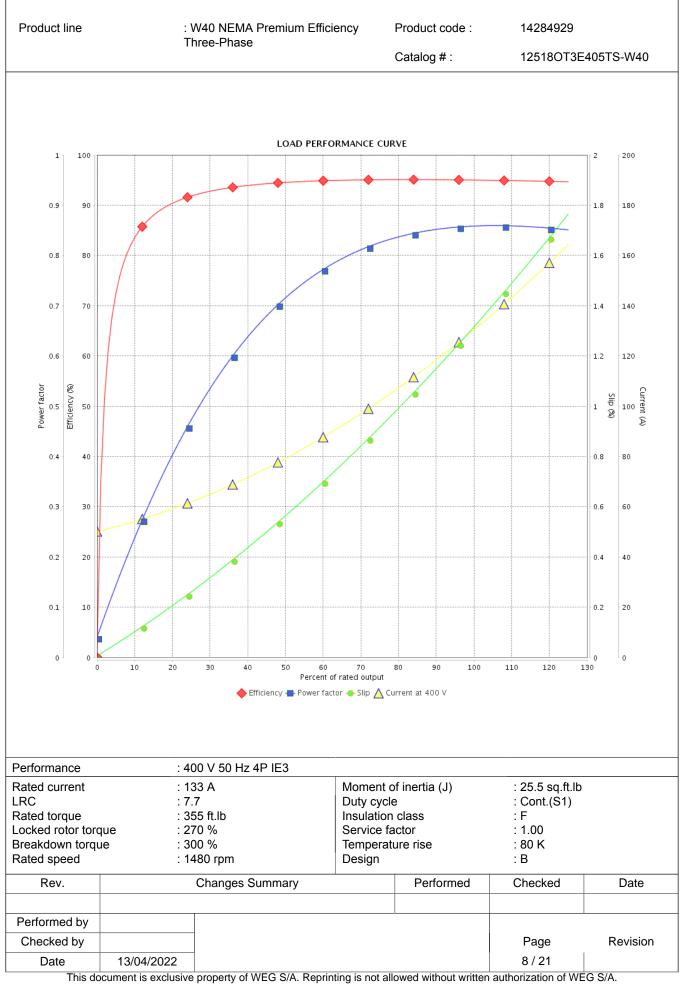
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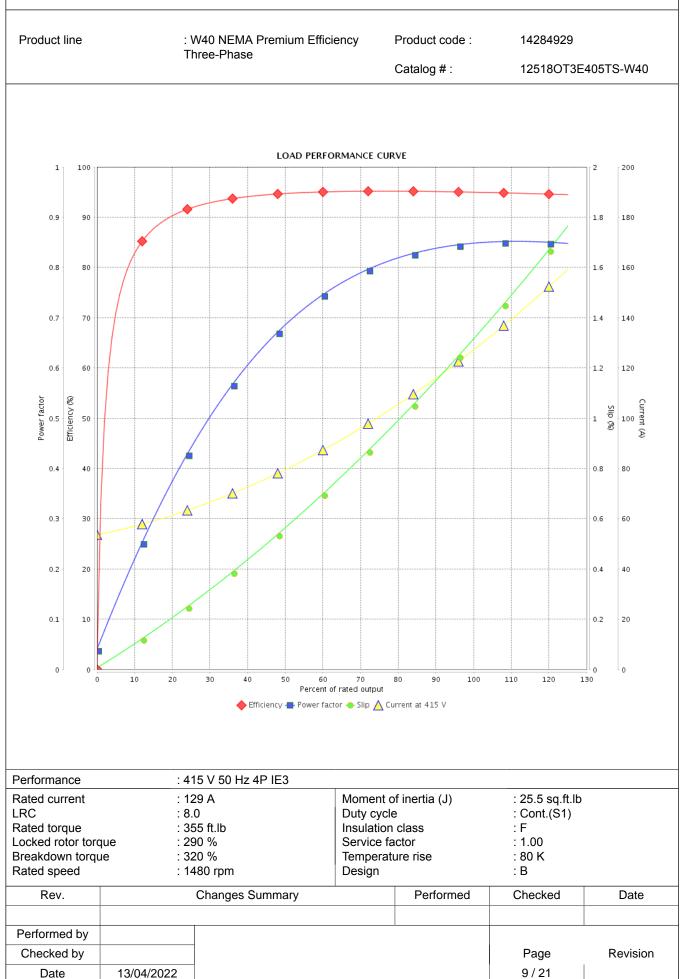
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#### Customer



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# THERMAL LIMIT CURVE

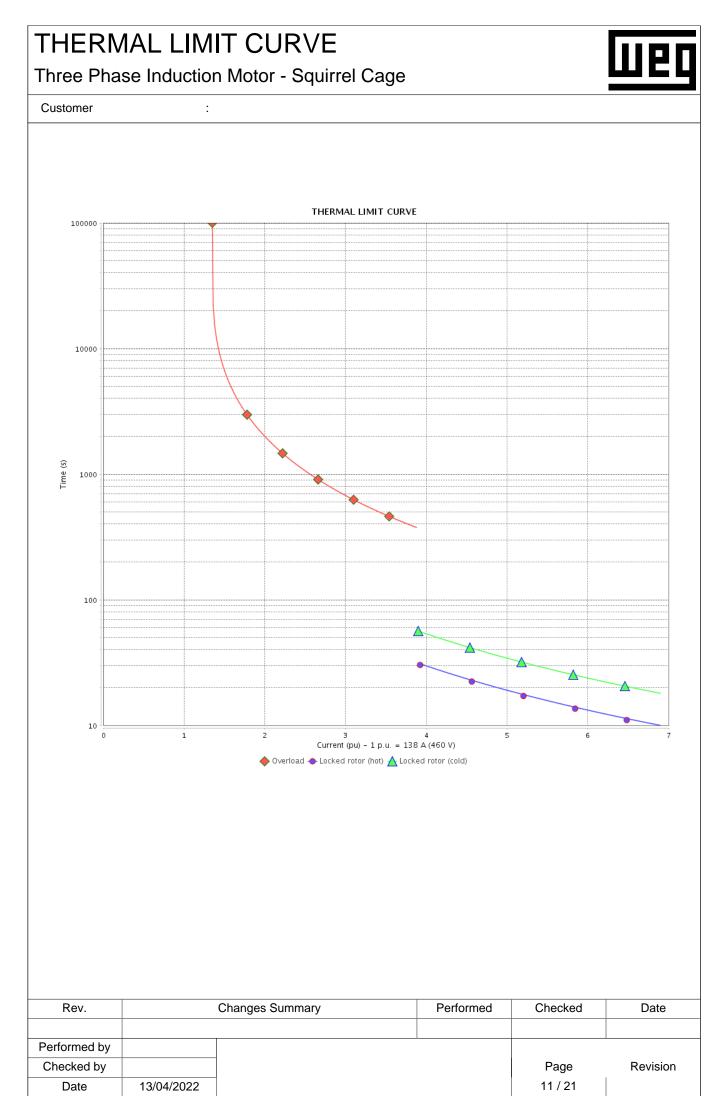
Three Phase Induction Motor - Squirrel Cage

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Customer

Product line		: W40 NEMA Premium Efficiency Three-Phase		Product code :	14284929	14284929	
				Catalog # :	12518OT3E4	05TS-W40	
Performance		230/460 V 60 Hz 4P					
Rated current LRC Rated torque Locked rotor toro Breakdown torqu Rated speed	: 6 : 3 que : 2 Je : 2	276/138 A 5.9 369 ft.lb 270 % 260 % 1780 rpm	Moment o Duty cycle Insulation Service fa Temperate Design	class ctor	: 25.5 sq.ft.lb : Cont.(S1) : F : 1.25 : 80 K : B		
Heating constant			- 0				
Cooling constant							
Rev.		Changes Summary		Performed	Checked	Date	
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# THERMAL LIMIT CURVE

Three Phase Induction Motor - Squirrel Cage

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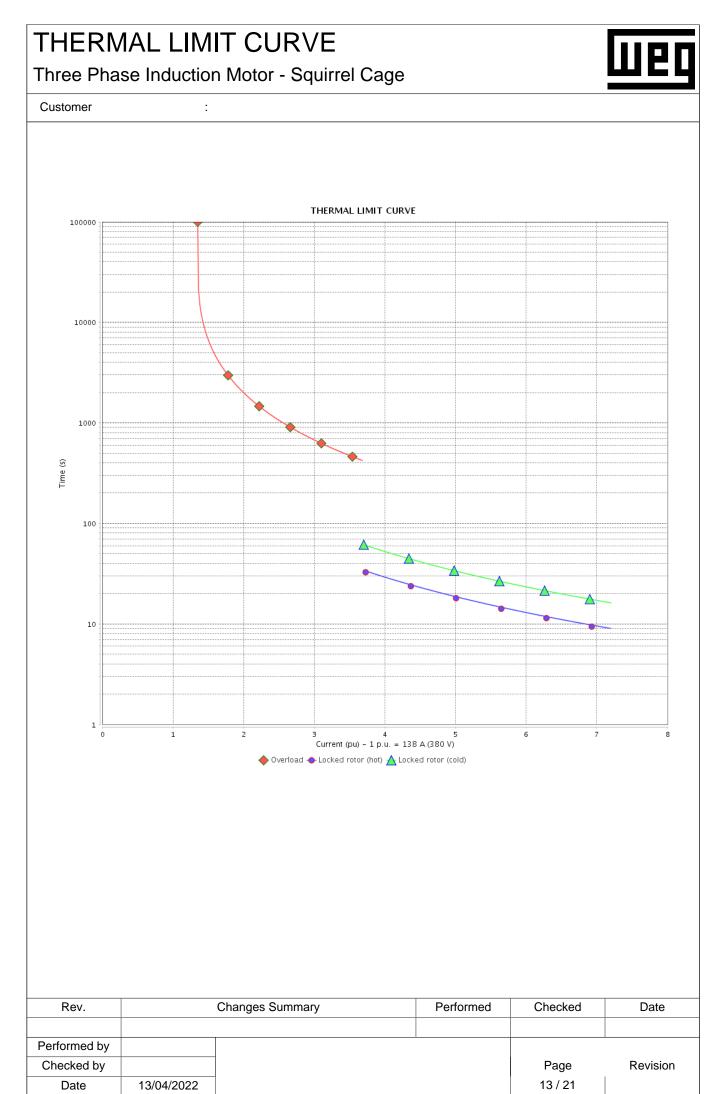
					1 100 1000	1 100 1000		
Product line		: W40 NEMA Premium Efficiency Three-Phase		Product code :	14284929	14284929		
				Catalog # :	12518OT3E4	05TS-W40		
Performance	::	380 V 50 Hz 4P IE3						
Rated current		138 A	Moment of inertia (J)		: 25.5 sq.ft.lb			
LRC Rated torque		7.2 355 ft.lb	Duty cycle Insulation	e class	: Cont.(S1) : F			
Locked rotor toro	lue :	240 %	Service factor		: 1.00			
Breakdown torqu Rated speed		260 % 1480 rpm	Temperate Design	ure rise	: 80 K : B			
			Design					
Heating constant								
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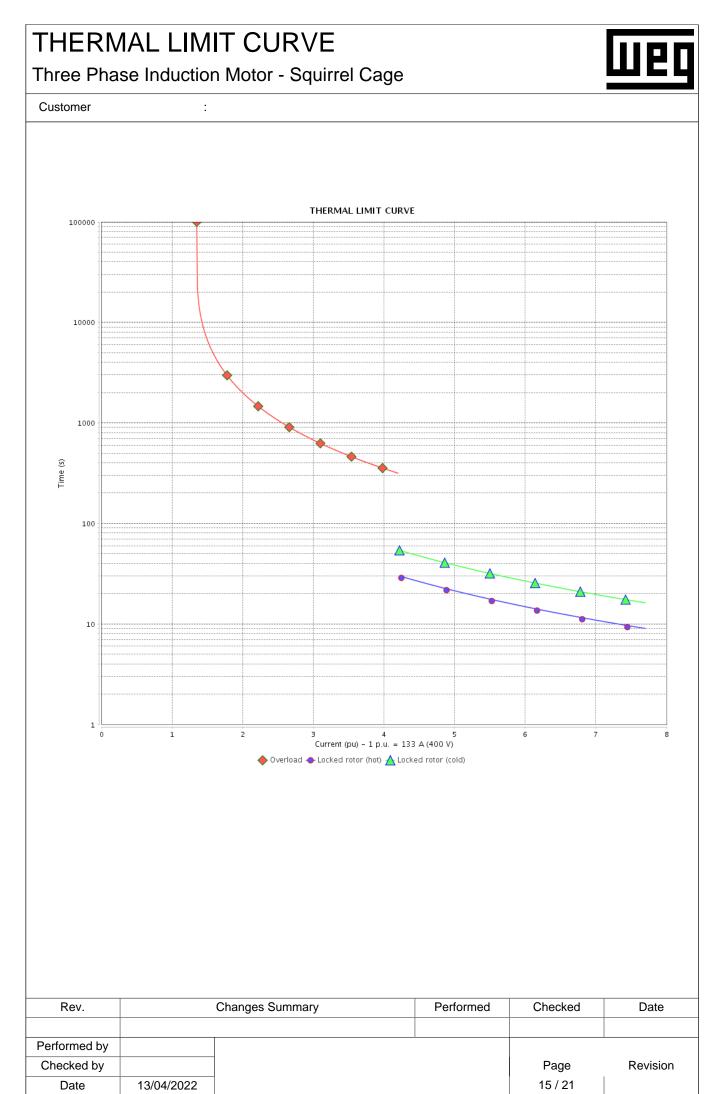
Three Phase Induction Motor - Squirrel Cage

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Customer

Product line		W40 NEMA Premium Efficie	ency	Product code :	14284929	
				Catalog # :	12518OT3E4	05TS-W40
Performance		100 V 50 Hz 4P IE3				
Rated current LRC Rated torque Locked rotor torq Breakdown torqu Rated speed	: 7 : 3 que : 2 Je : 3	33 A 7.7 355 ft.lb 270 % 300 % 480 rpm	Moment o Duty cycle Insulation Service fa Temperatu Design	class ctor	: 25.5 sq.ft.lb : Cont.(S1) : F : 1.00 : 80 K : B	
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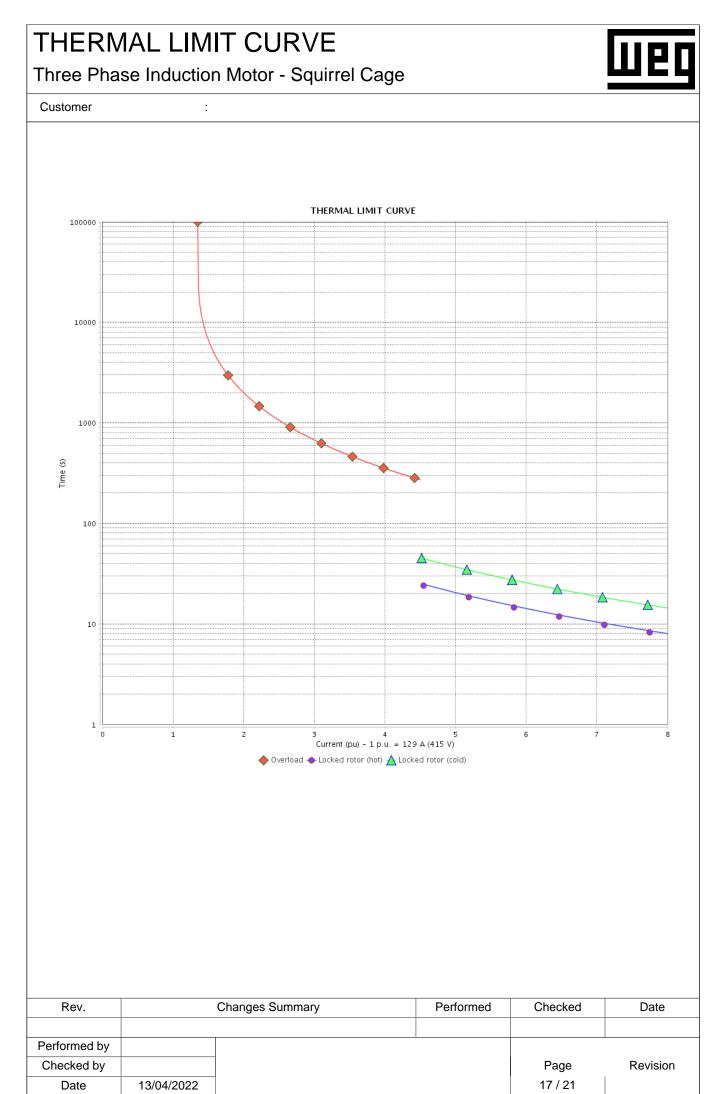
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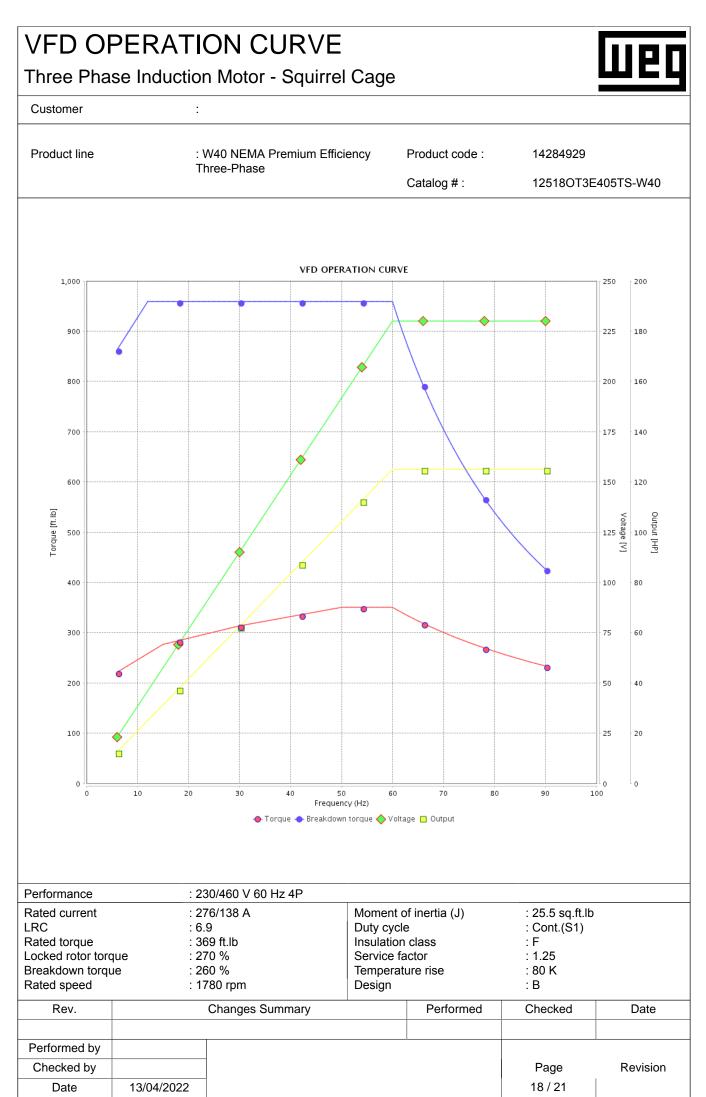
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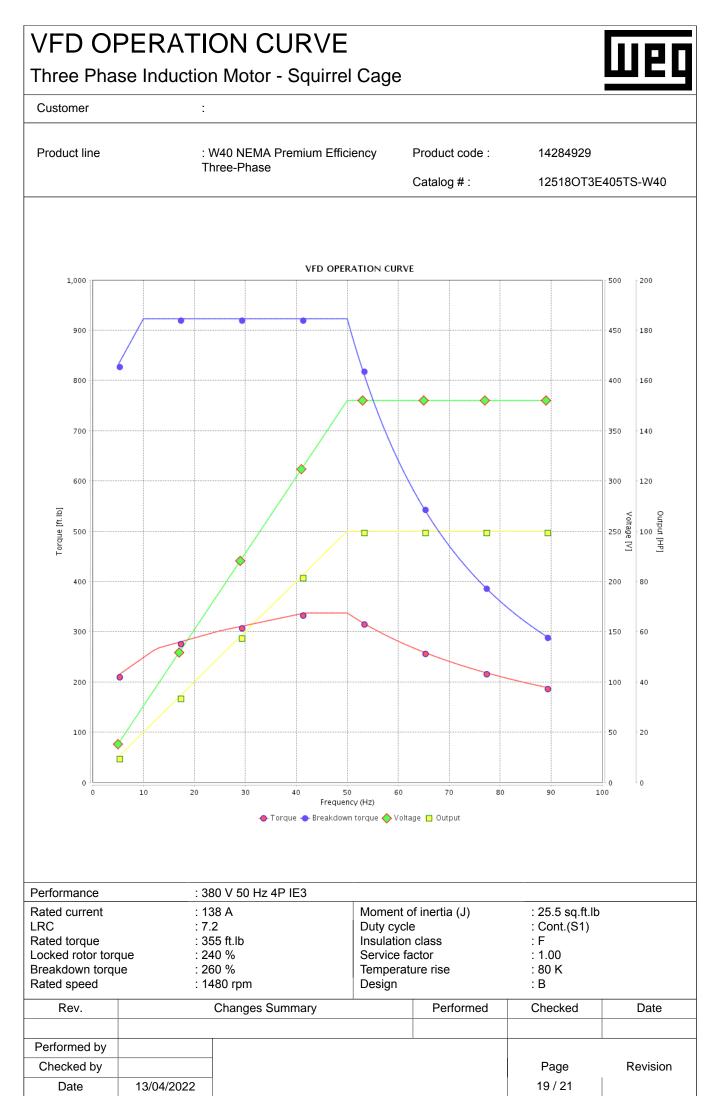


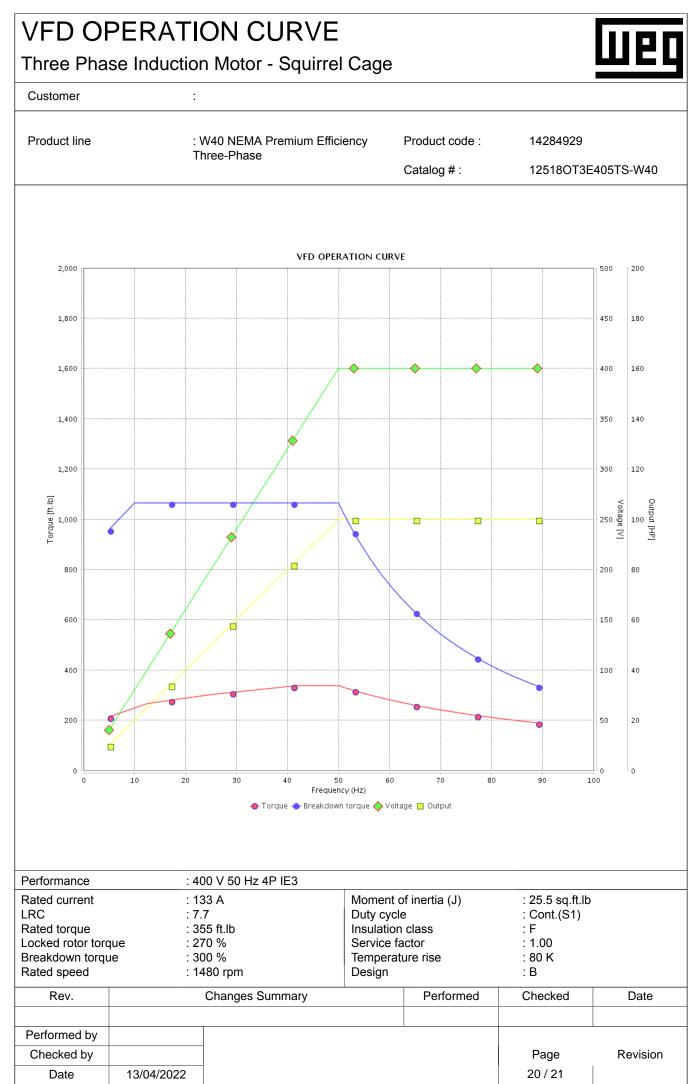
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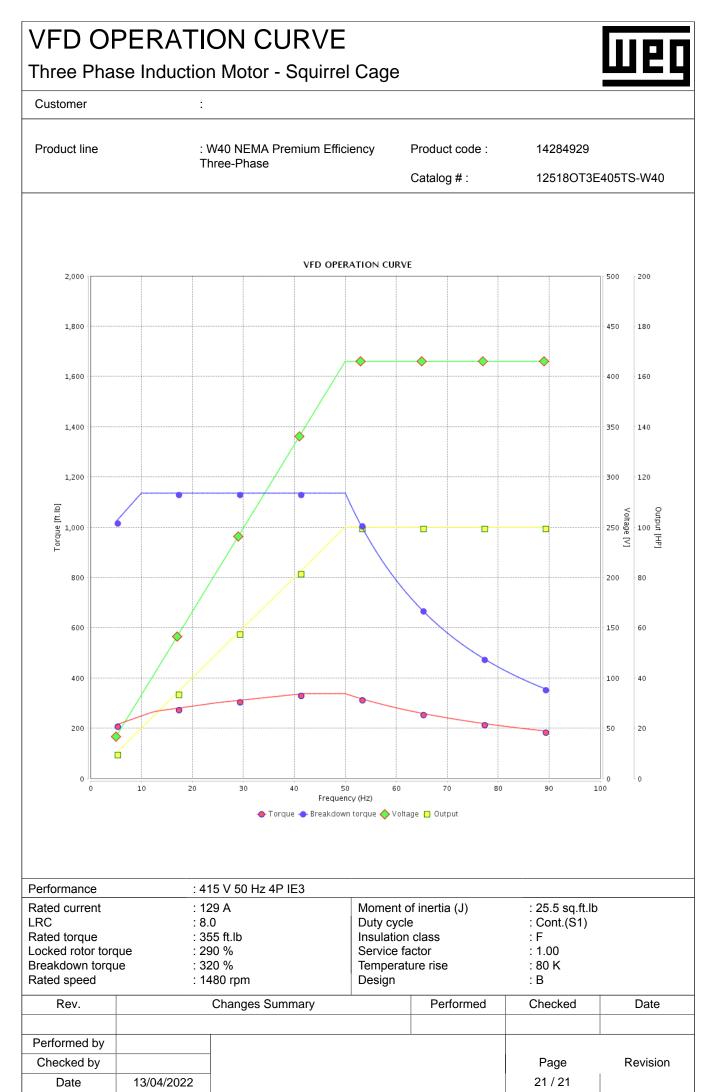
Product line		W40 NEMA Premium Efficie Three-Phase	ency	Product code :	14284929	
				Catalog # :	12518OT3E4	05TS-W40
Performance		15 V 50 Hz 4P IE3				
Rated current _RC Rated torque Locked rotor torq Breakdown torqu Rated speed	: 8 : 3 jue : 2 ie : 3	29 A 3.0 355 ft.lb 290 % 320 % 480 rpm	Moment o Duty cycle Insulation Service fa Temperatu Design	class ctor	: 25.5 sq.ft.lb : Cont.(S1) : F : 1.00 : 80 K : B	
Heating constant	t					
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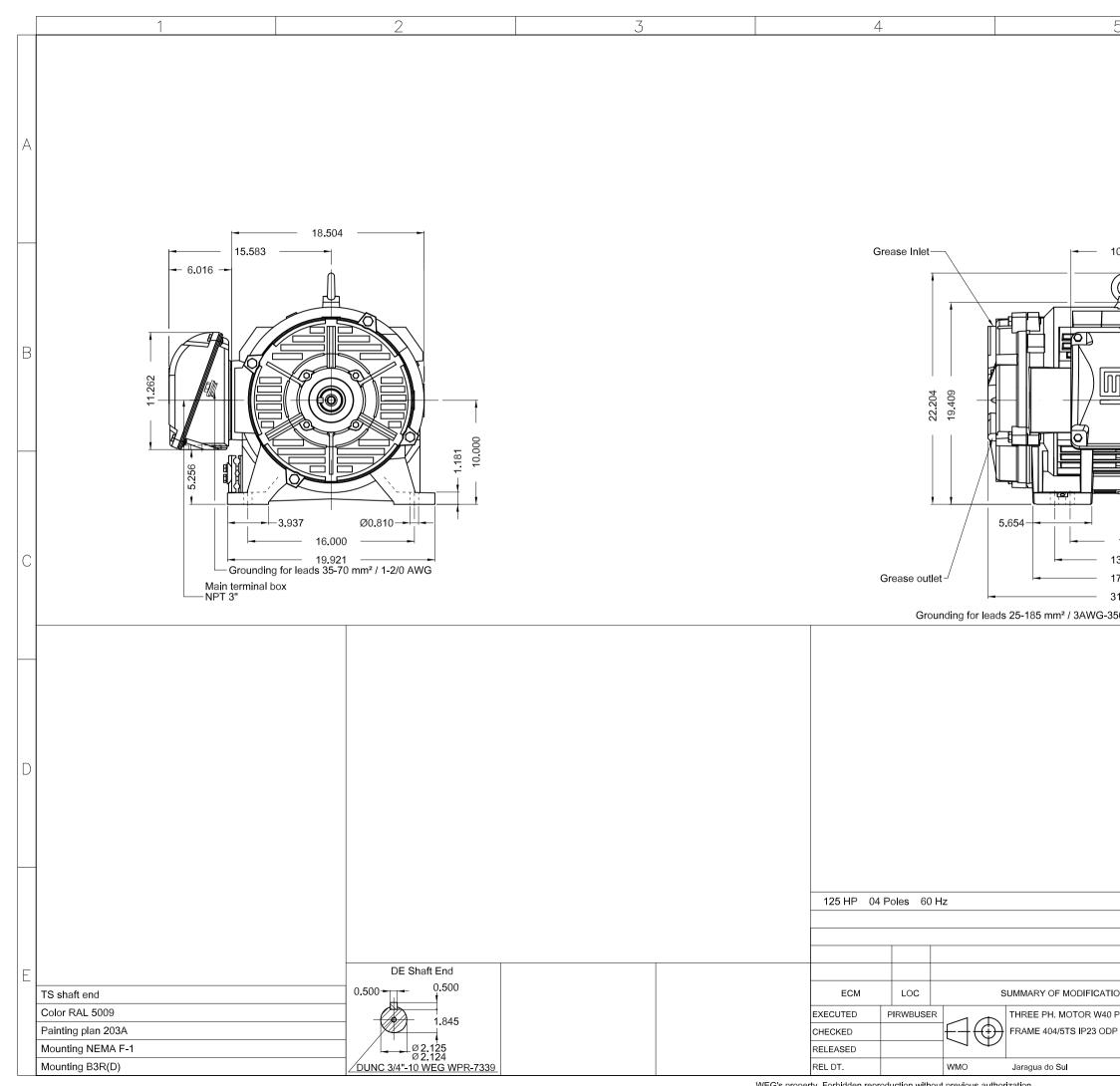












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