DATA SHEET

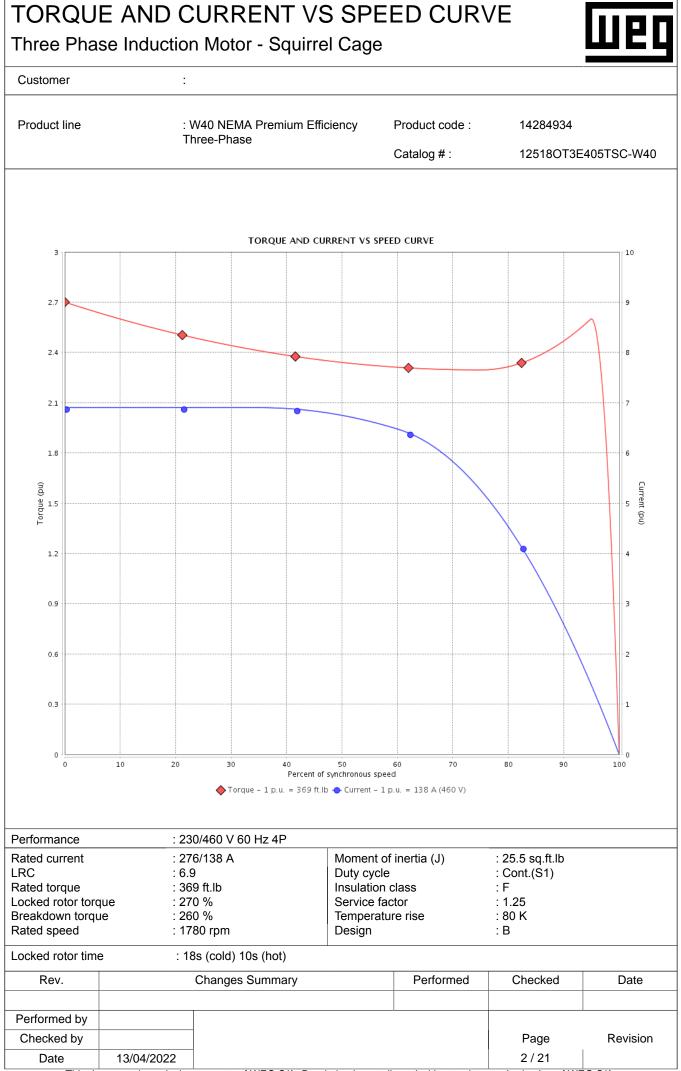
Three Phase Induction Motor - Squirrel Cage

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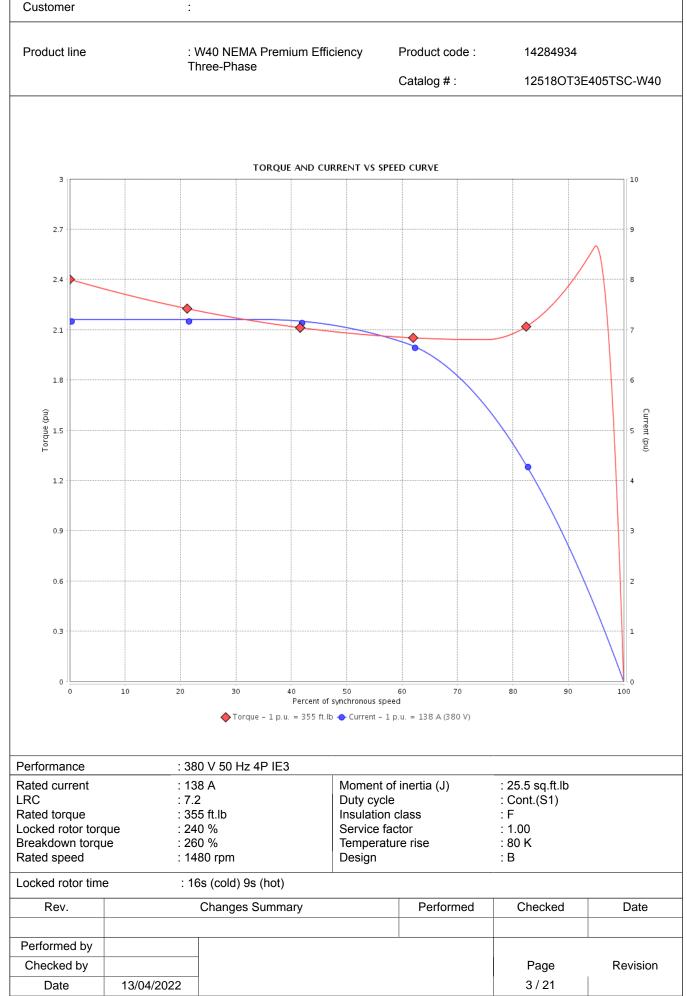
Customer

Product line		: W40 NEMA Premium Efficiency Three-Phase		ncy Pro	Product code :		14284934	
		Thee Thase		Cat	alog # :	12518O	T3E405TSC-W40	
Frame Insulation class Duty cycle Ambient temperature Altitude Protection degree Design		: 404/5TSC : F : Cont.(S1) : -20°C to +40°C : 1000 m.a.s.l. : IP23 : B		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 : 1040 lb : 25.5 sq.ft.lb		
Output [HP]		125		100	100		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	133		129	
. R. Amperes [A]		1904/952		994	102		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	1.33		1.33	
Rated torque [ft.lb	1	369		355	355		355	
Locked rotor torqu		270		240	270		290	
Breakdown torque		260		240	300		320	
Service factor	. [, .]	1.25		1.00	1.00		1.00	
Temperature rise		80 K		80 K	80 k		80 K	
_ocked rotor time		18s (cold) 10s (hot)	169 (s (hot)	14s (cold) 8s (hot)	
Noise level ²		69.0 dB(A)	100 (
	25%	94.9		94.5	94.5	5	94.8	
	50%	95.0		94.6	94.6		94.9	
Efficiency (%)	75%	95.4		95.0	95.0		95.0	
	100%	95.4		95.0	95.0		95.0	
	25%	0.50					0.43	
	50%	0.30		0.76	0.46		0.69	
Power Factor	75%	0.83		0.84	0.82		0.80	
	100%	0.86		0.87	0.86		0.85	
Bearing type Sealing Lubrication inter- Lubricant amour Lubricant type		: 6314 C3 621 : Without Wi Bearing Seal Bear : 20000 h 20	ive end 2 Z C3 ithout ing Seal 000 h 13 g	BMax. traction: 2885 lbMax. compression: 3925 lb				
Notos								
Notes USABLE @208V	′ 305A SF 1.1	15 SFA 351A						
This revision repl must be eliminate (1) Looking the m (2) Measured at 1	aces and car ed. notor from the 1m and with t weight subject ocess.	ncel the previous one, wi	hich				s with sinusoidal	
USABLE @208V This revision repl must be eliminate (1) Looking the m (2) Measured at 7 (3) Approximate v manufacturing pro	aces and car ed. notor from the 1m and with t weight subject ocess.	ncel the previous one, where the previous one, where the previous one, where the previous one, where the previous of the previ		power suppl MG-1.				
USABLE @208V This revision repl must be eliminate (1) Looking the m (2) Measured at 1 (3) Approximate v manufacturing pro (4) At 100% of ful	aces and car ed. notor from the 1m and with t weight subject ocess.	ncel the previous one, where the previous one, where shaft end. olerance of +3dB(A).		power suppl MG-1.	y, subject to the	tolerances s	stipulated in NEMA	
USABLE @208V This revision repl must be eliminate (1) Looking the m (2) Measured at 1 (3) Approximate manufacturing pri (4) At 100% of ful Rev.	aces and car ed. notor from the 1m and with t weight subject ocess.	ncel the previous one, where the previous one, where shaft end. olerance of +3dB(A).		power suppl MG-1.	y, subject to the	tolerances s	stipulated in NEMA	

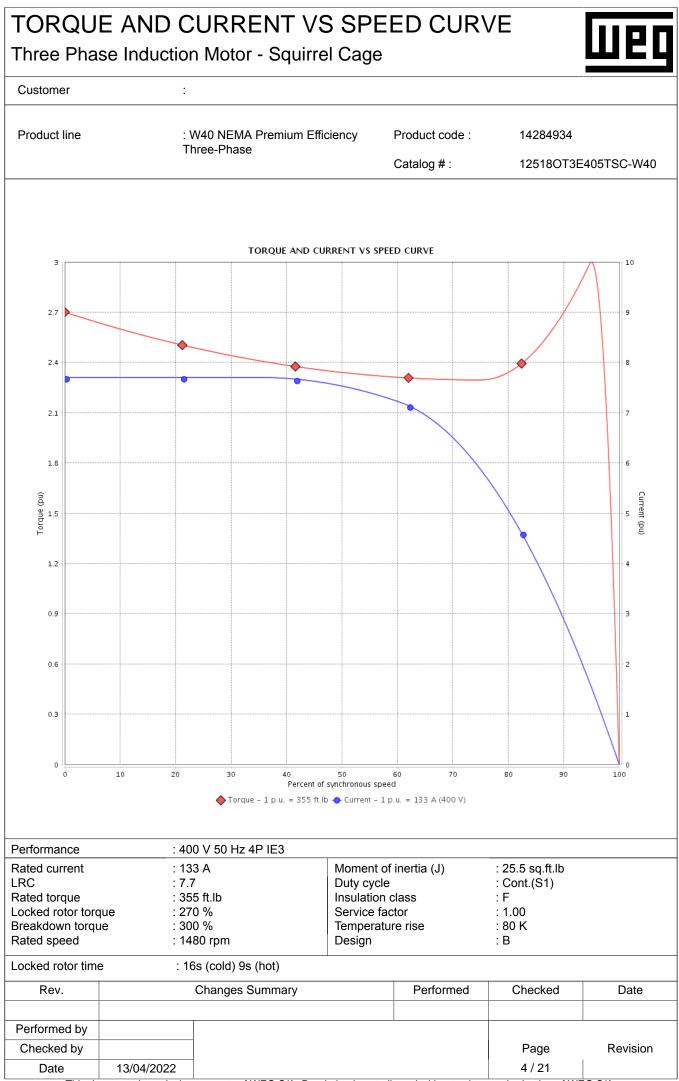


TORQUE AND CURRENT VS SPEED CURVE Three Phase Induction Motor - Squirrel Cage

Customer



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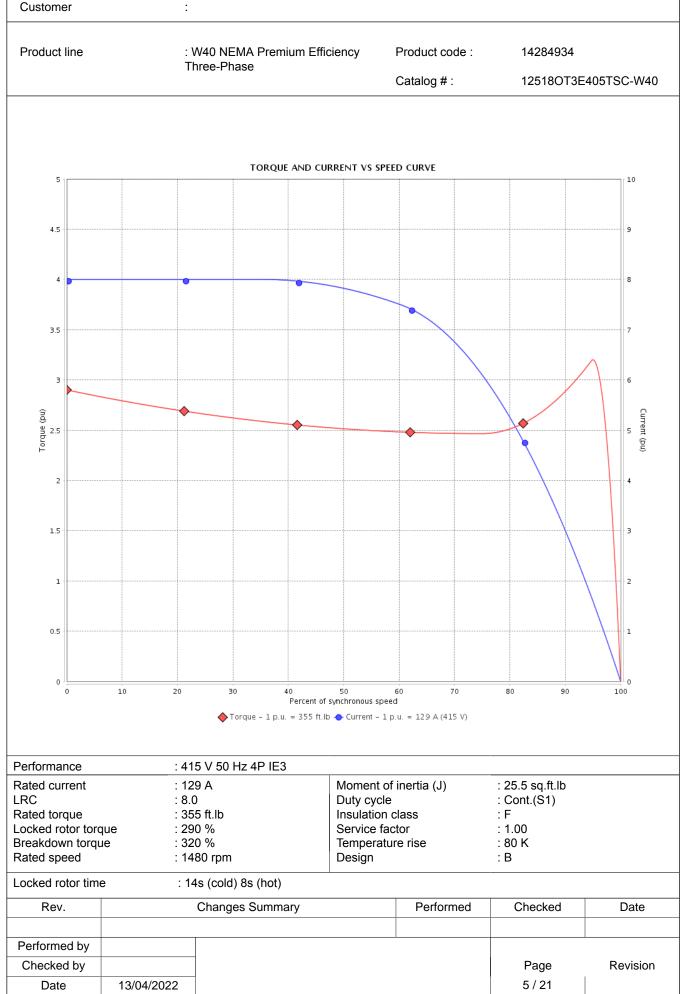


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TORQUE AND CURRENT VS SPEED CURVE

Three Phase Induction Motor - Squirrel Cage

Customer



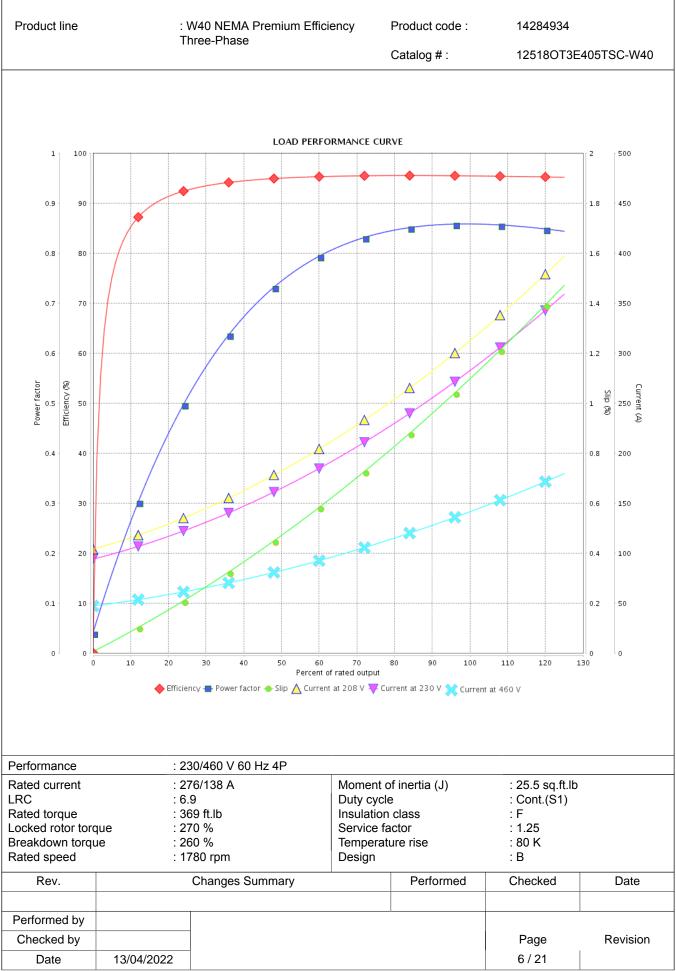
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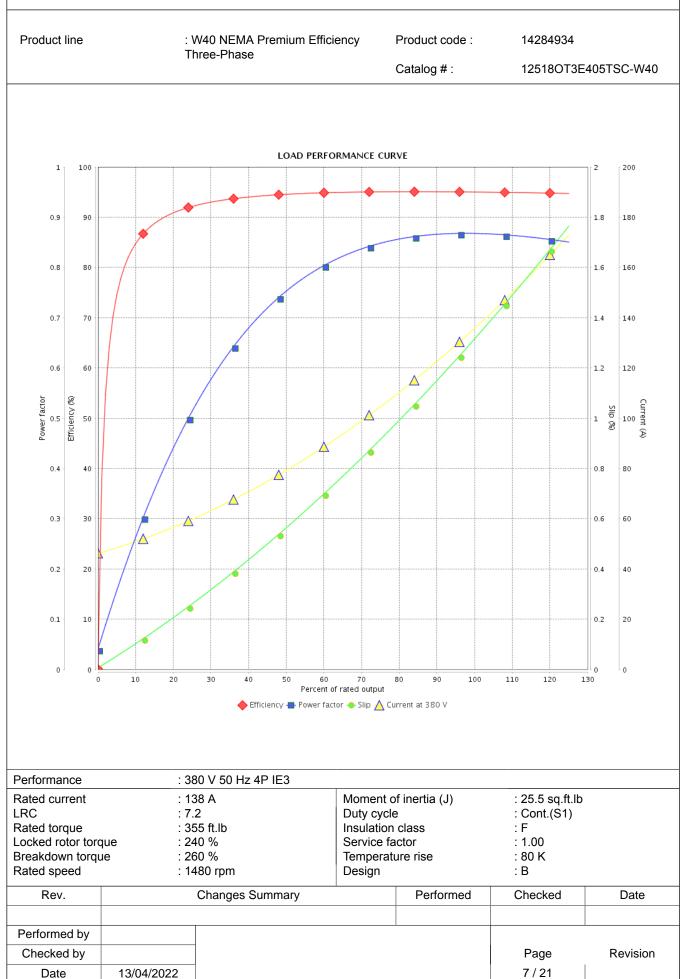
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Three Phase Induction Motor - Squirrel Cage

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Customer



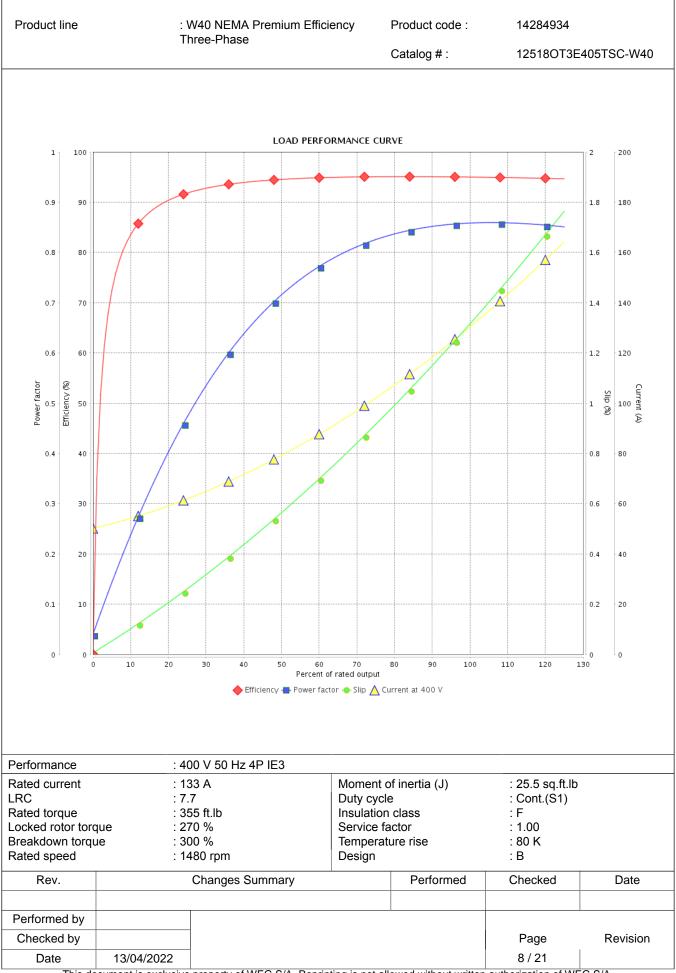
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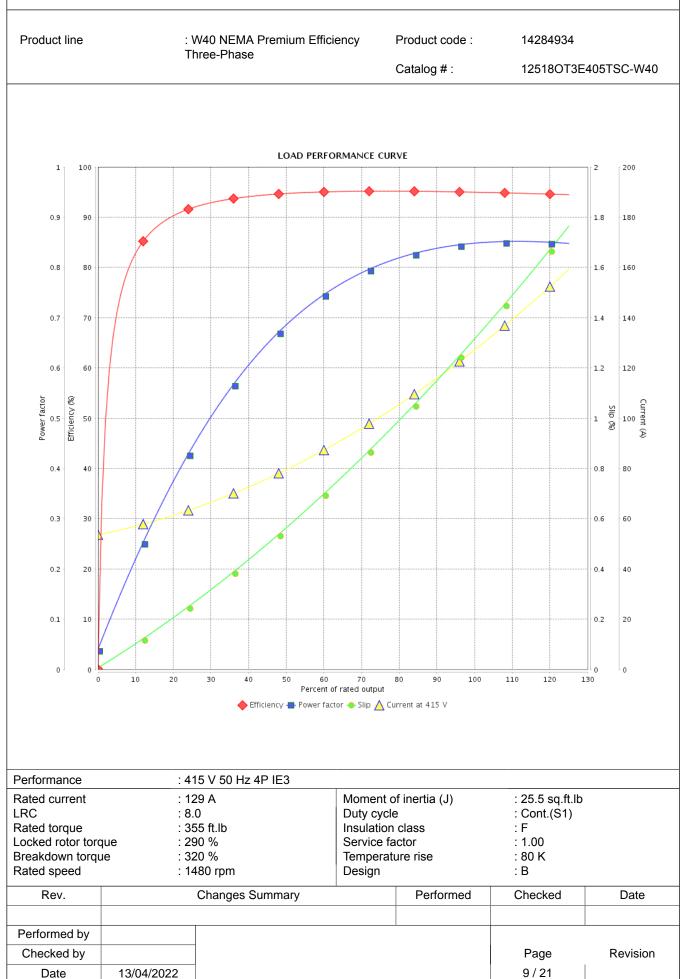
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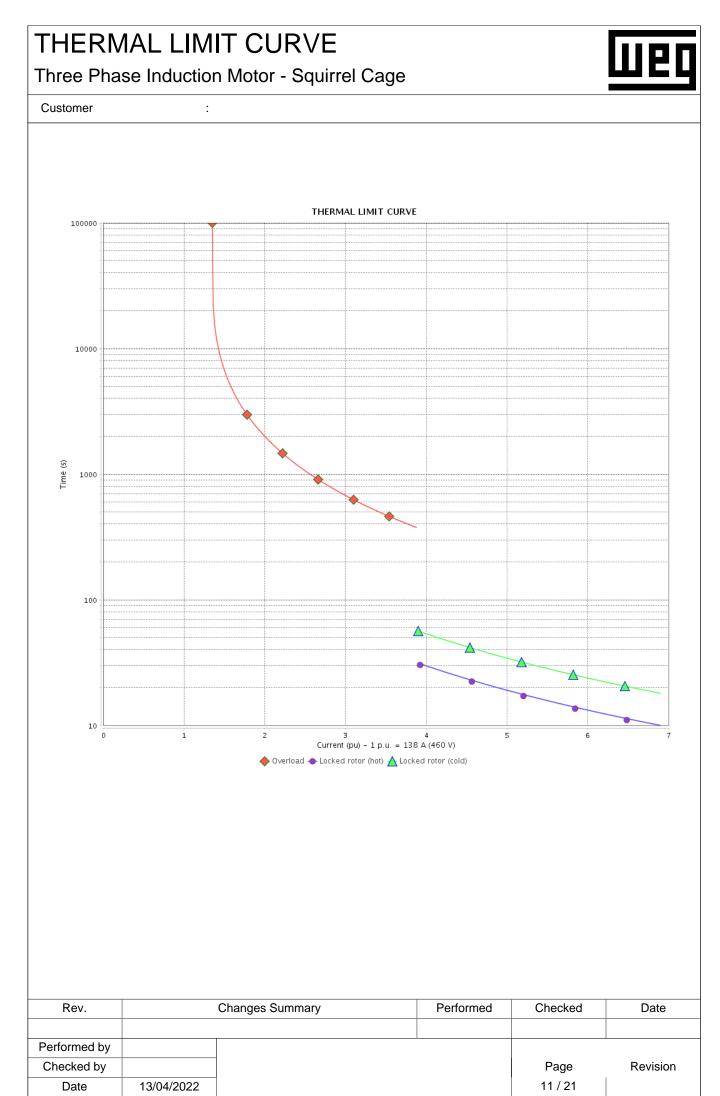
Three Phase Induction Motor - Squirrel Cage

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Customer

Product line		: W40 NEMA Premium Efficiency Three-Phase		Product code :	14284934		
	11			Catalog # :	12518OT3E4	105TSC-W40	
Performance	: 23	30/460 V 60 Hz 4P					
Rated current: 276/138 ALRC: 6.9Rated torque: 369 ft.lbLocked rotor torque: 270 %Breakdown torque: 260 %Rated speed: 1780 rpm		9 59 ft.lb 70 % 50 %	Moment of inertia (J) Duty cycle Insulation class Service factor Temperature rise Design		: 25.5 sq.ft.lb : Cont.(S1) : F : 1.25 : 80 K : B		
Heating constan	t						
Cooling constant							
Rev.		Changes Summary		Performed	Checked	Date	
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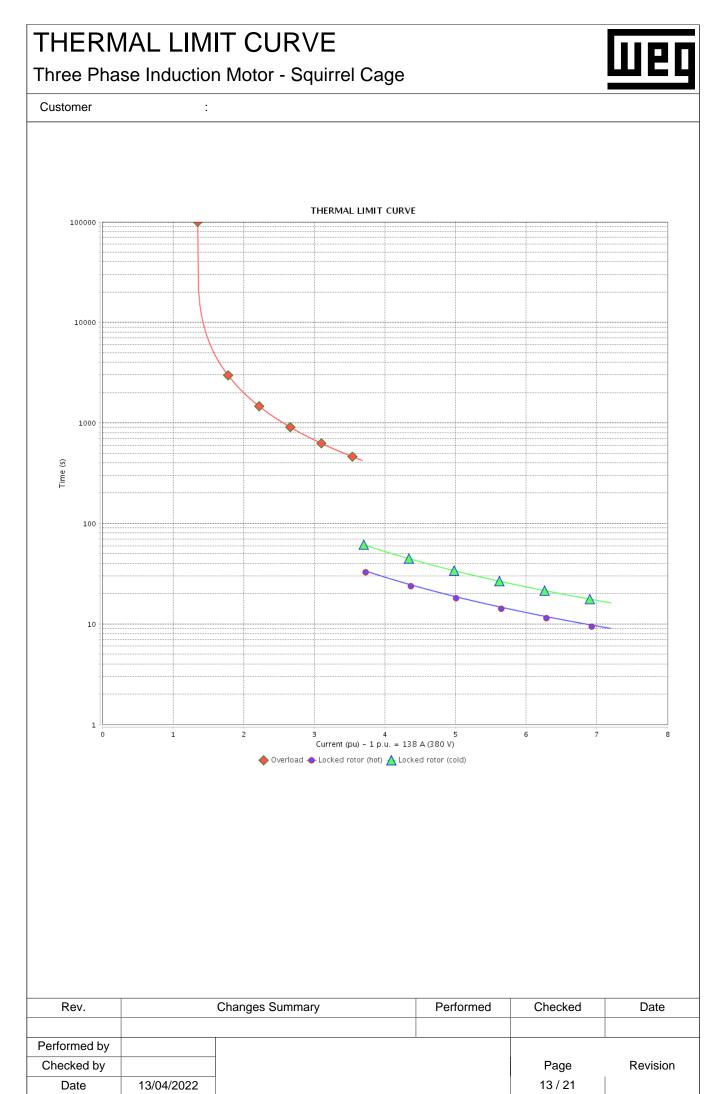
Three Phase Induction Motor - Squirrel Cage

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Customer

Product line		: W40 NEMA Premium Efficiency Three-Phase		Product code :	14284934		
				Catalog # :	12518OT3E405TSC-W40		
Performance	: 38	80 V 50 Hz 4P IE3					
Rated current: 138 ALRC: 7.2Rated torque: 355 ft.lbLocked rotor torque: 240 %Breakdown torque: 260 %Rated speed: 1480 rpm		Moment of inertia (J) Duty cycle Insulation class Service factor Temperature rise Design		: 25.5 sq.ft.lb : Cont.(S1) : F : 1.00 : 80 K : B			
Heating constan							
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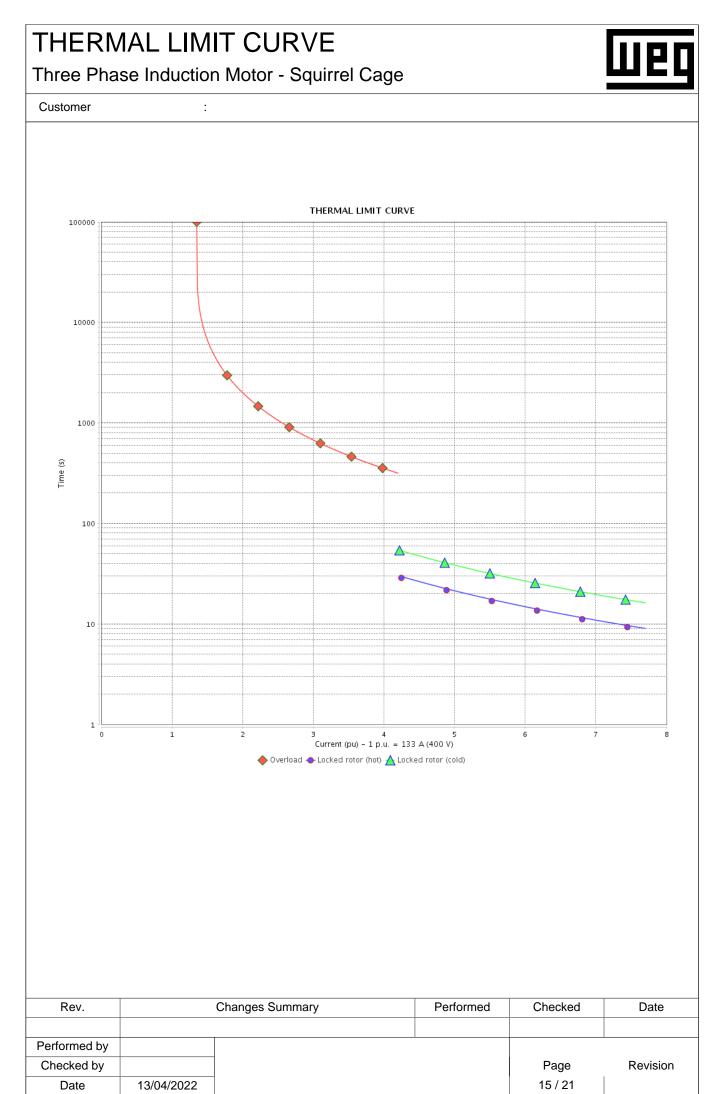
Three Phase Induction Motor - Squirrel Cage

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Customer

Product line		: W40 NEMA Premium Efficiency Three-Phase		Product code :	14284934	14284934		
		Inree-Phase		Catalog # :	12518OT3E4	05TSC-W40		
Performance		400 V 50 Hz 4P IE3						
Rated current: 133 ALRC: 7.7Rated torque: 355 ft.lbLocked rotor torque: 270 %Breakdown torque: 300 %Rated speed: 1480 rpm		7.7 355 ft.lb 270 % 300 %	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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Cooling constant Rev.		Changes Summary		Performed	Checked	Date		
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THERMAL LIMIT CURVE	
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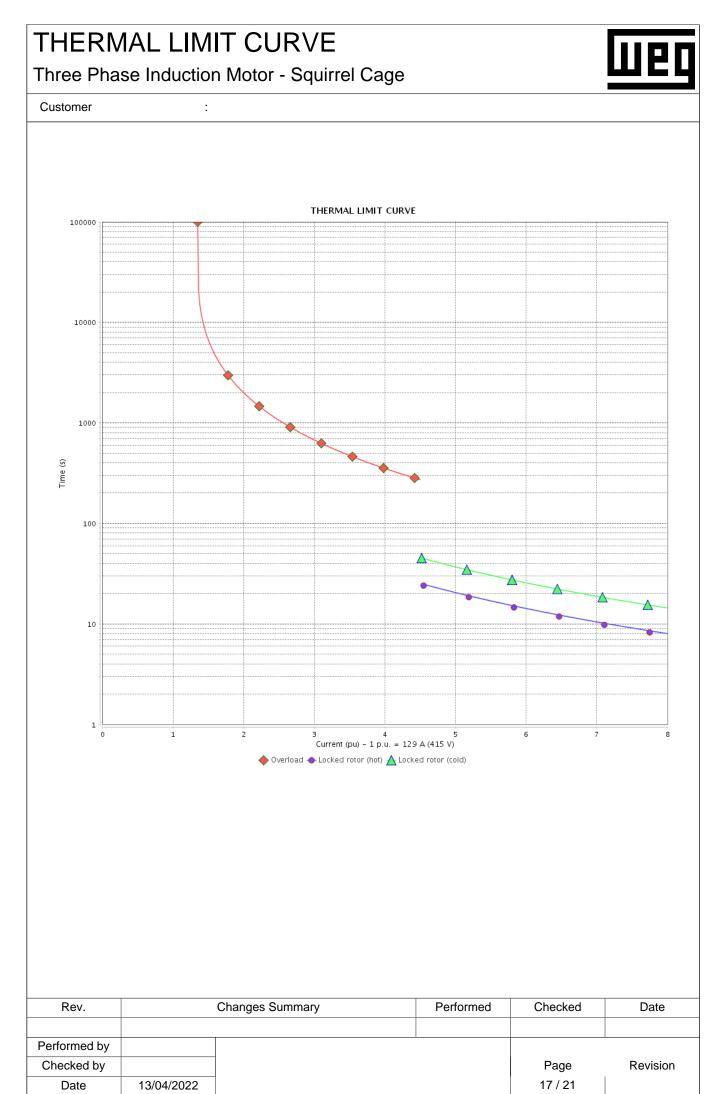
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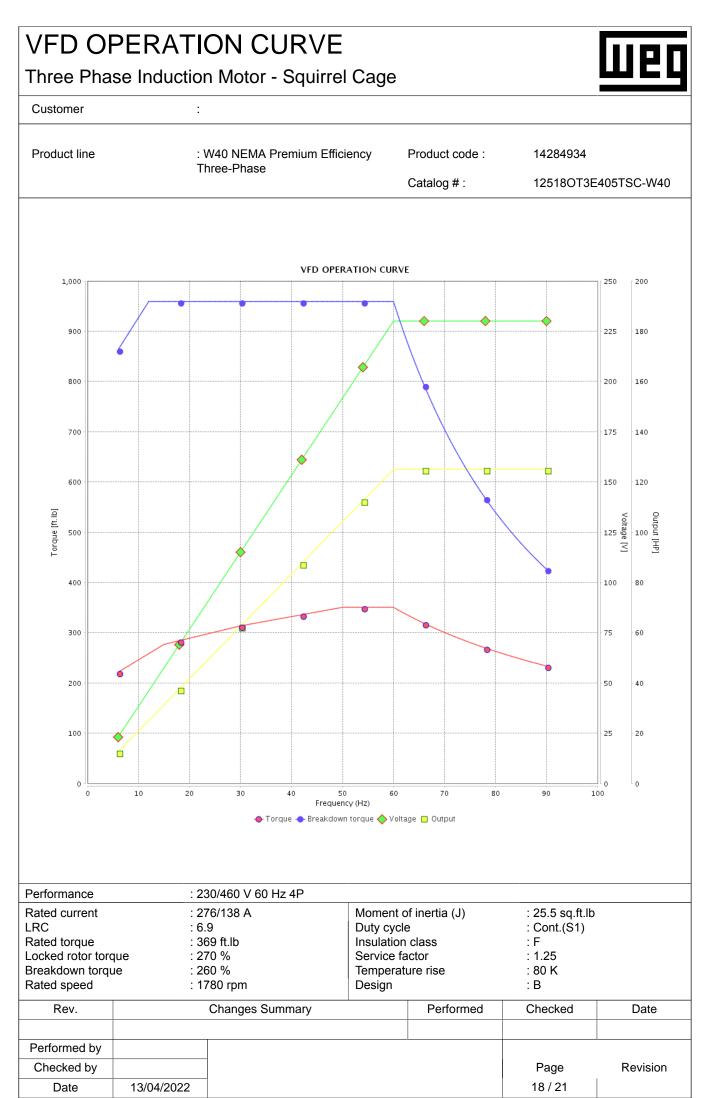
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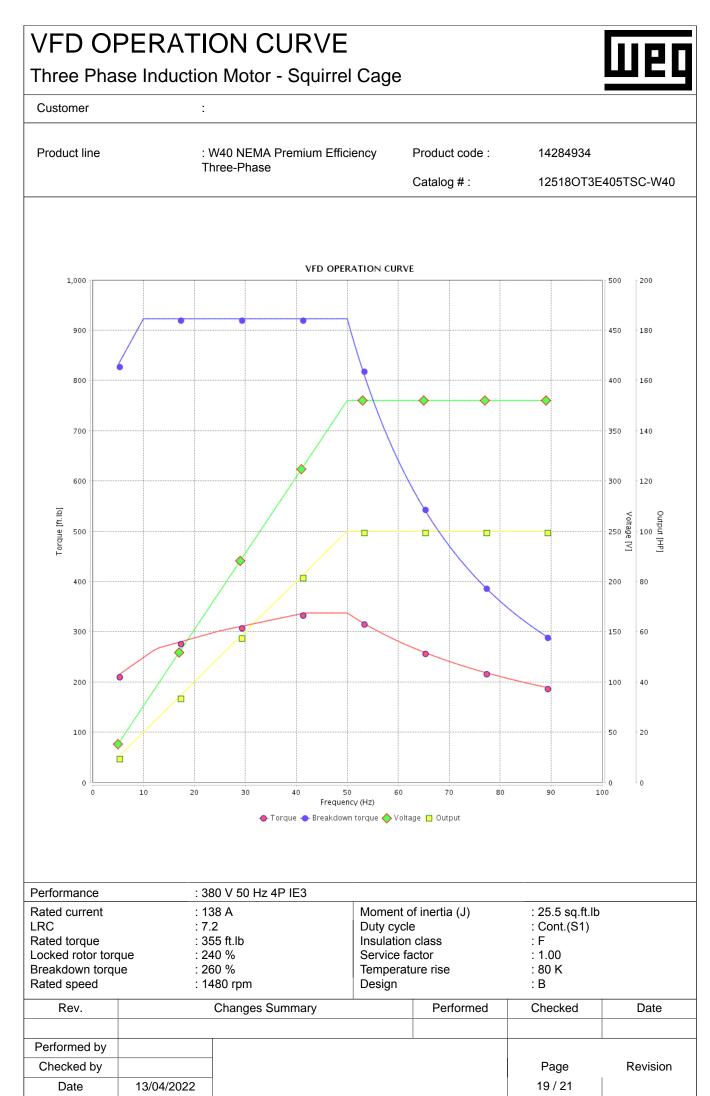


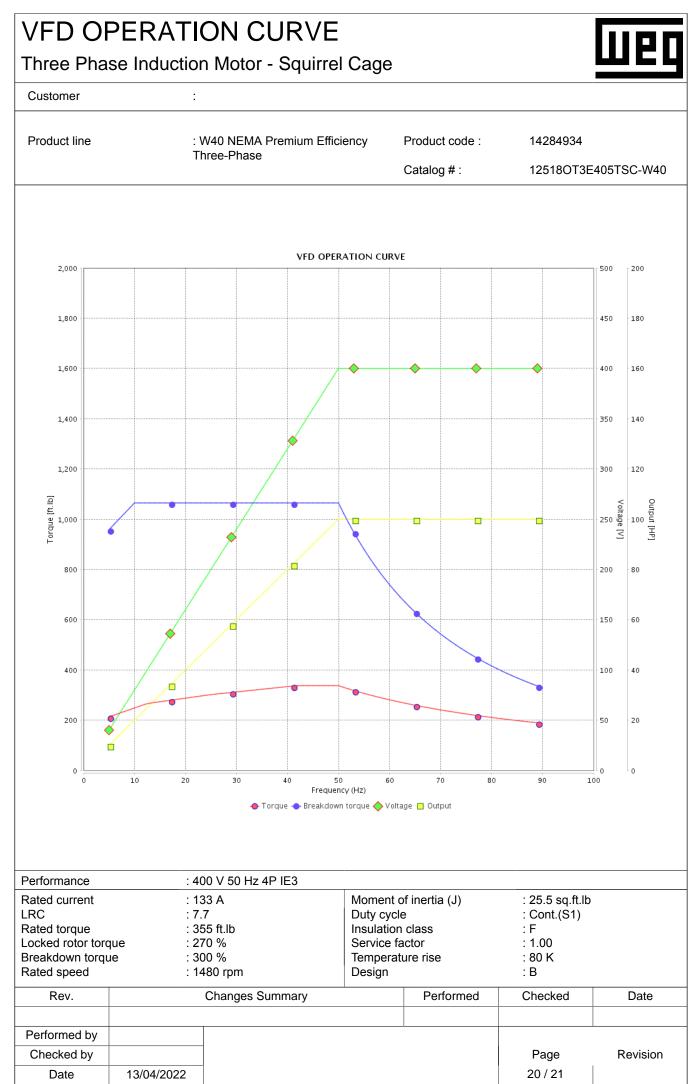
Customer

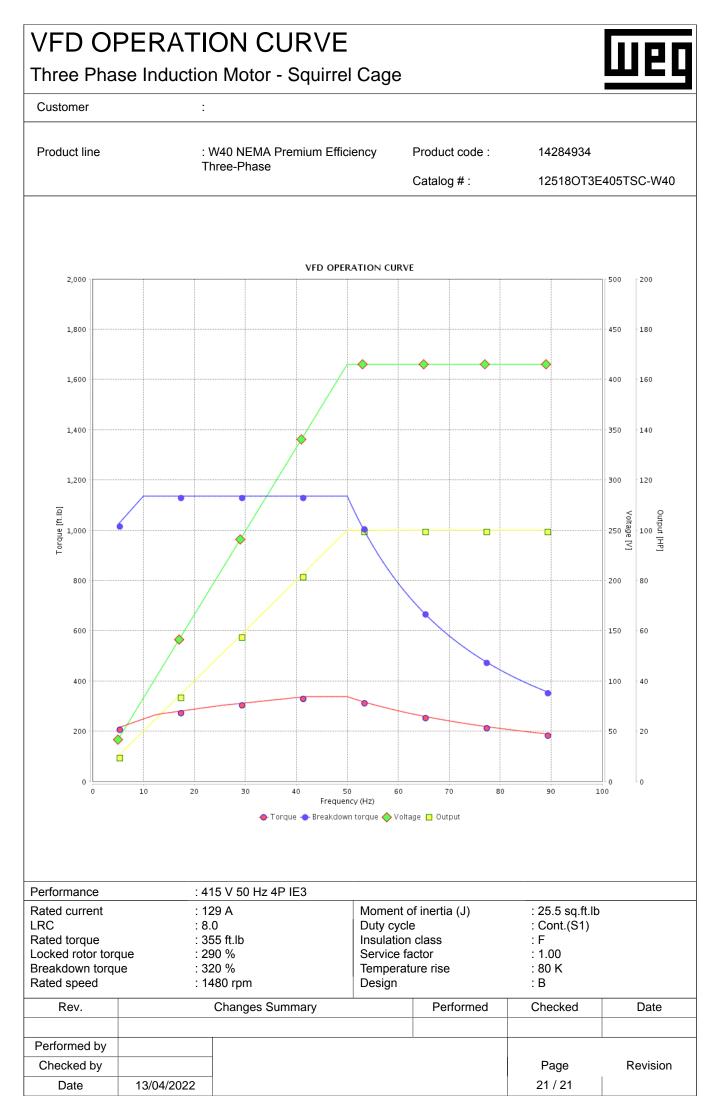
Product line		: W40 NEMA Premium Efficiency Three-Phase		Product code :	14284934		
	11		(Catalog # :	12518OT3E	405TSC-W40	
Performance	: 41	15 V 50 Hz 4P IE3					
Rated current: 129 ALRC: 8.0Rated torque: 355 ft.lbLocked rotor torque: 290 %Breakdown torque: 320 %Rated speed: 1480 rpm		Moment of inertia (J) Duty cycle Insulation class Service factor Temperature rise Design		: 25.5 sq.ft.lb : Cont.(S1) : F : 1.00 : 80 K : B			
Heating constant			-				
Cooling constant							
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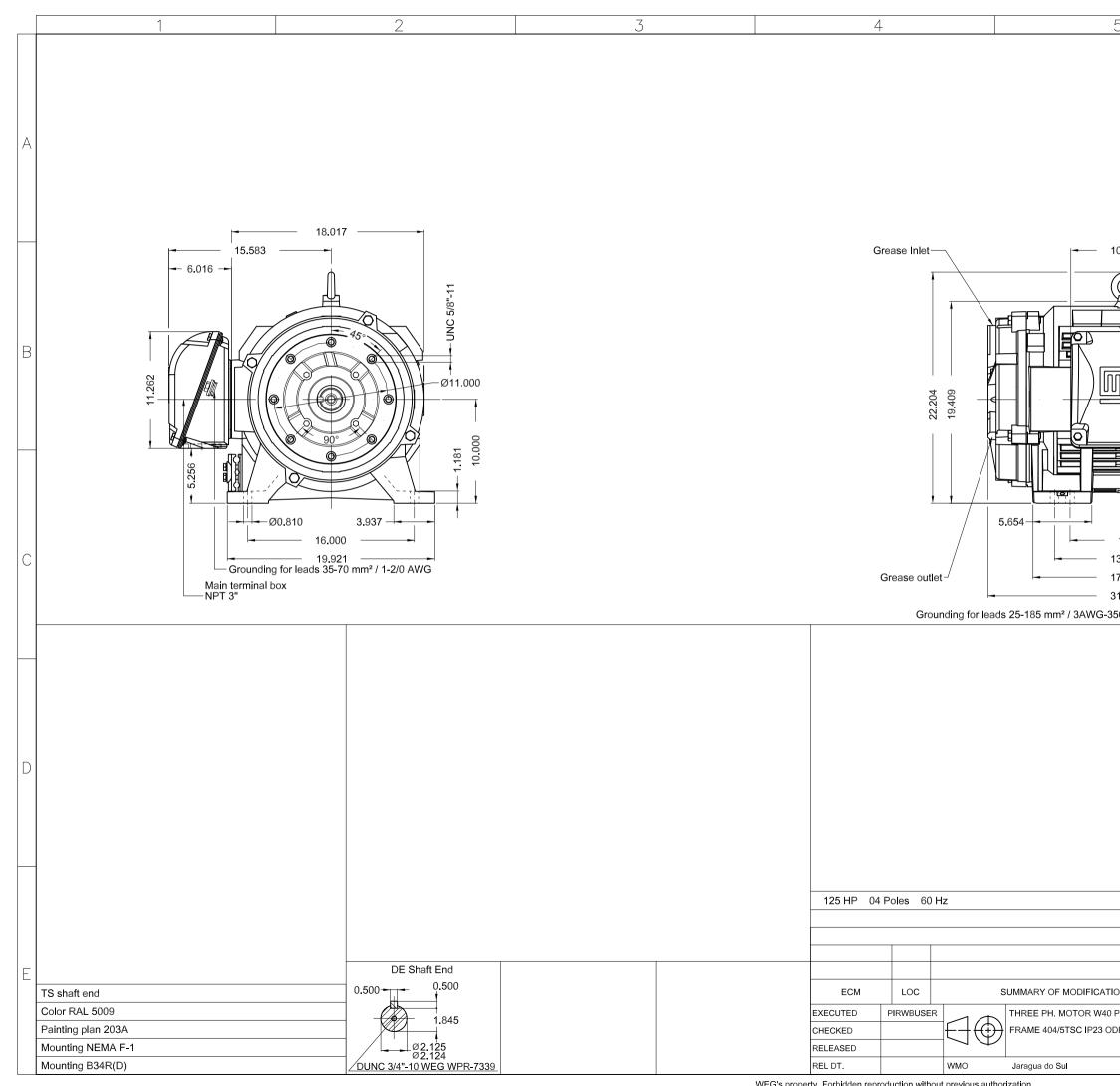












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