## DATA SHEET

Three Phase Induction Motor - Squirrel Cage

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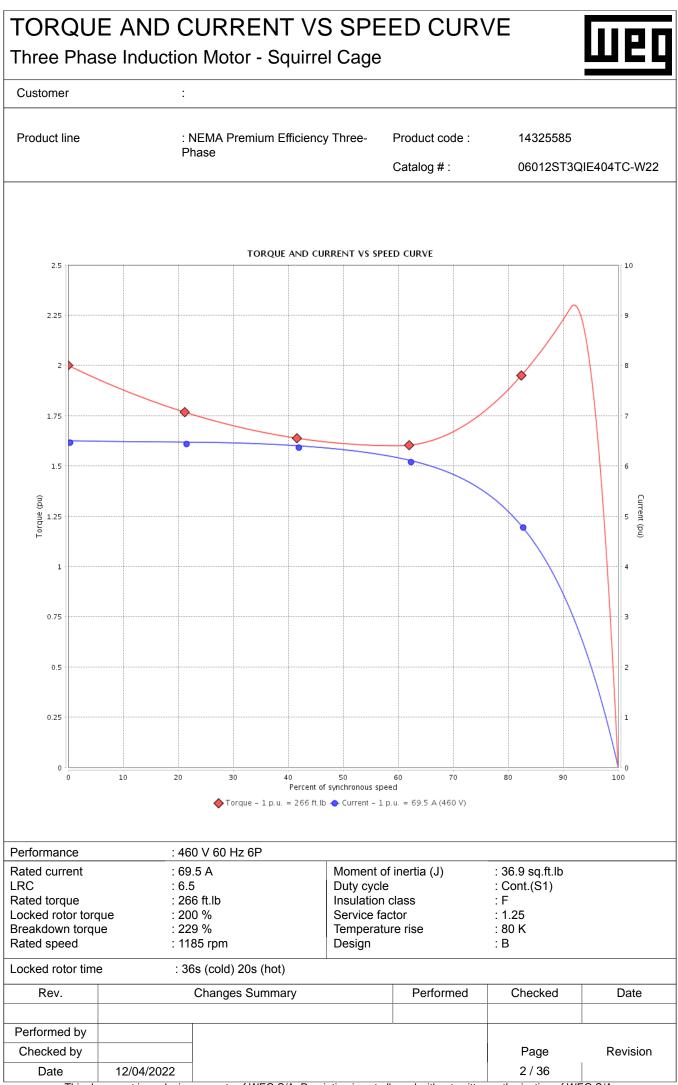
#### Customer

Product line		: NEMA Pre Phase	emium Efficien	cy Three-	Product code	e: 14	14325585		
		FIIdSe			Catalog # :	06	012ST3QIE4	04TC-W22	
Frame		: 404/5TC		Coolin	g method	: 10	C411 - TEFC		
Insulation class		: F		Mount			-1		
Duty cycle		: Cont.(S1)		Rotatio			Both (CW and	CCW)	
Ambient tempera	ature	: -20°C to +			g method		Direct On Line		
Altitude		: 1000 m.a.	s.l.		<. weight³		036 lb		
Protection degre	е	: IP55		Mome	nt of inertia (J)	) :3	6.9 sq.ft.lb		
Design		: B							
Output [HP]		60	50	50	50	60	60	60	
Poles		6	6	6	6	6	6	6	
Frequency [Hz]		60	50	50	50	50	50	50	
Rated voltage [V]		460	380	400	415	380	400	415	
Rated current [A]		69.5	70.1	67.3	64.8	85.1	80.3	78.3 470	
. R. Amperes [A]		452	421	444	467	426	442		
_RC [A]		6.5x(Code G)	6.0x(Code F)	6.6x(Code G)	7.2x(Code H)	S.UX(CODE E)	5.5X(CODE F)	6.0x(Code G)	
No load current [A	1	23.0	23.0	24.0	25.0	23.0	24.0	25.0	
Rated speed [RPN		1185	985	985	985	975	980	985	
Slip [%]	<b>'</b> ']	1.25	1.50	1.50	1.50	2.50	2.00	1.50	
Rated torque [ft.lb	1	266	267	267	267	323	322	320	
_ocked rotor torqu		200	180	207	207	150	180	190	
Breakdown torque		220	220	240	229	180	200	220	
Service factor	. [ , .]	1.25	1.00	1.00	1.00	1.00	1.00	1.00	
Temperature rise		80 K	80 K	80 K	80 K	105 K	80 K	80 K	
Locked rotor time		36s (cold)	28s (cold)	28s (cold)	28s (cold)	28s (cold)	28s (cold)	28s (cold)	
		20s (hot)	16s (hot)	16s (hot)	16s (hot)	16s (hot)	16s (hot)	16s (hot)	
Noise level <sup>2</sup>		68.0 dB(Á)	64.0 dB(Á)	64.0 dB(Á)	64.0 dB(Á)	64.0 dB(A)	64.0 dB(A)	64.0 dB(A	
	25%	94.0	93.3	93.4	93.4	94.0	94.0	94.0	
Efficiency (%)	50%	94.1	93.3	93.3	93.3	93.6	93.6	93.6	
	75%	94.5	93.4	93.7	93.7	93.0	93.6	93.6	
	100%	94.5	93.3	93.4	93.4	92.4	93.0	93.0	
	25%	0.49	0.49	0.46	0.43	0.55	0.52	0.49	
Power Factor	50%	0.74	0.73	0.70	0.67	0.79	0.77	0.74	
	75%	0.82	0.83	0.82	0.79	0.85	0.84	0.82	
	100%	0.86	0.86	0.85	0.85	0.87	0.87	0.86	
		Drive end			tion loads				
Bearing type		: 6316 C					594 lb		
Sealing		: Inpro/Se			ompression	: 20	630 lb		
Lubrication interv		: 16000 h							
Lubricant amour	IT	: 34 g	27 g						
Lubricant type		. Mobi	I Polyrex EM						
Notes									
This revision repl		ncel the previo	us one, which		are average va				
must be eliminate					supply, subject	t to the tolera	nces stipulate	d in NEMA	
(1) Looking the m				MG-1.					
(2) Measured at 1									
(3) Approximate \		ct to changes a	aller						
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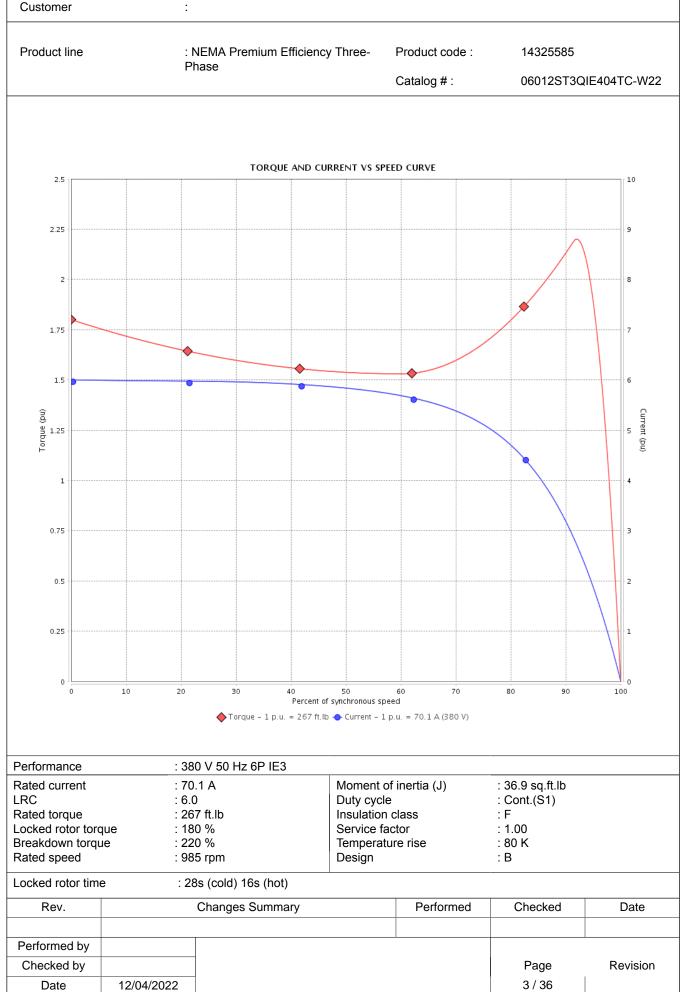
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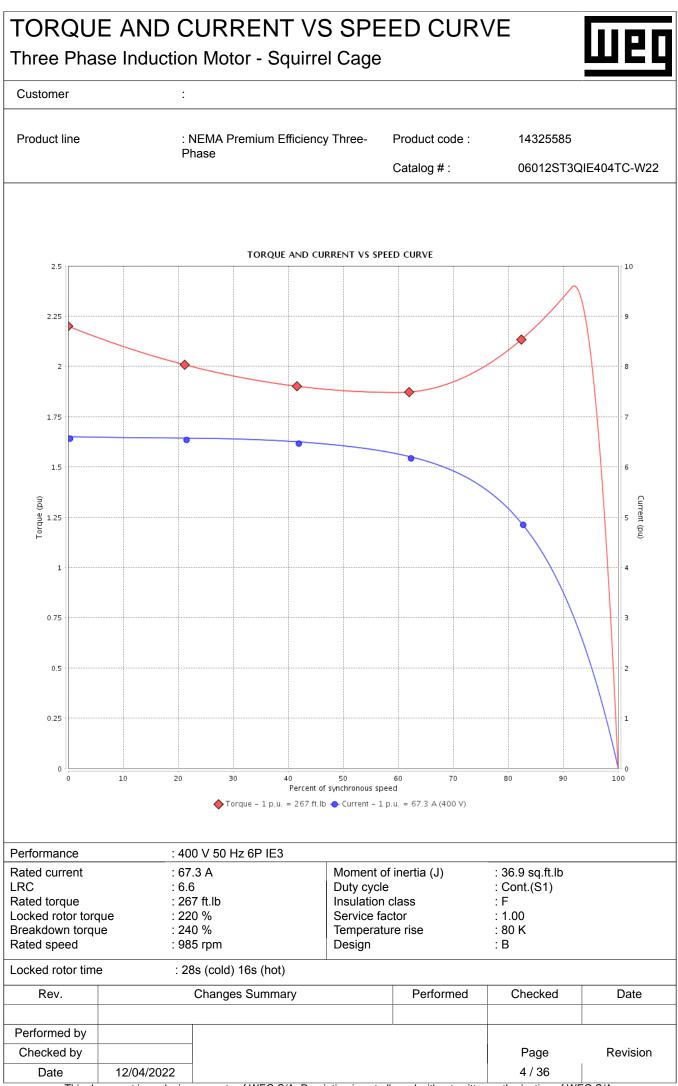
### TORQUE AND CURRENT VS SPEED CURVE

Three Phase Induction Motor - Squirrel Cage

#### Customer



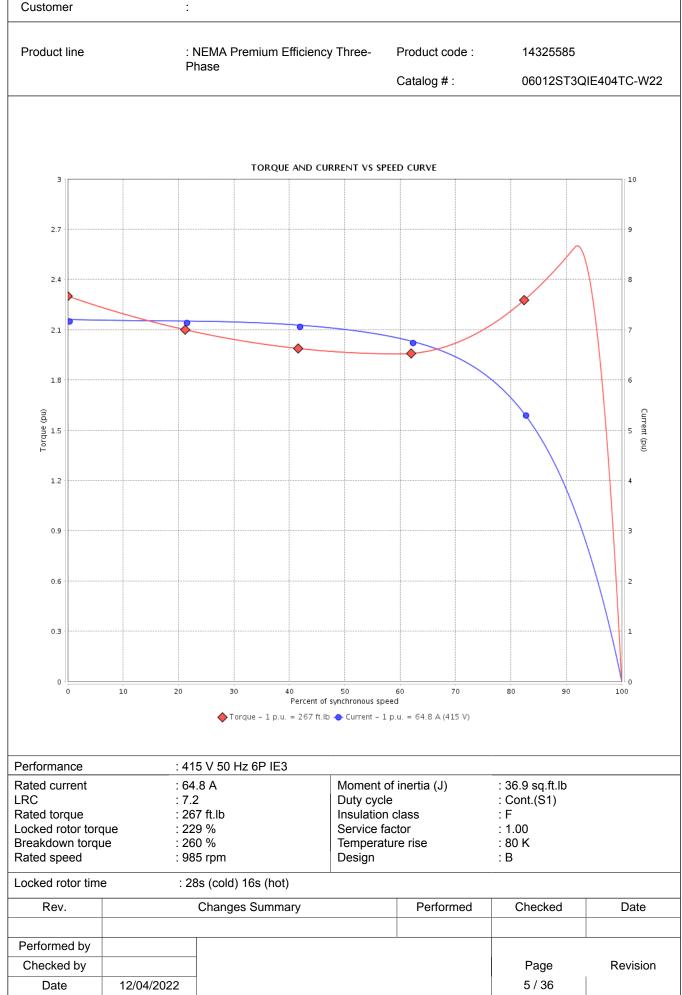
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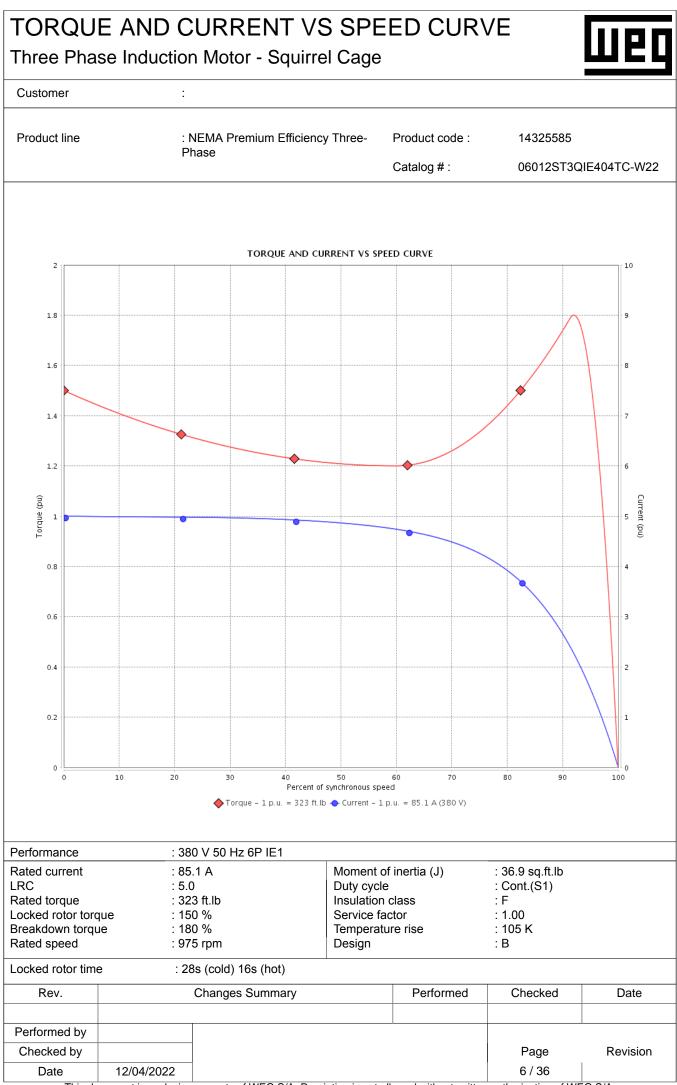
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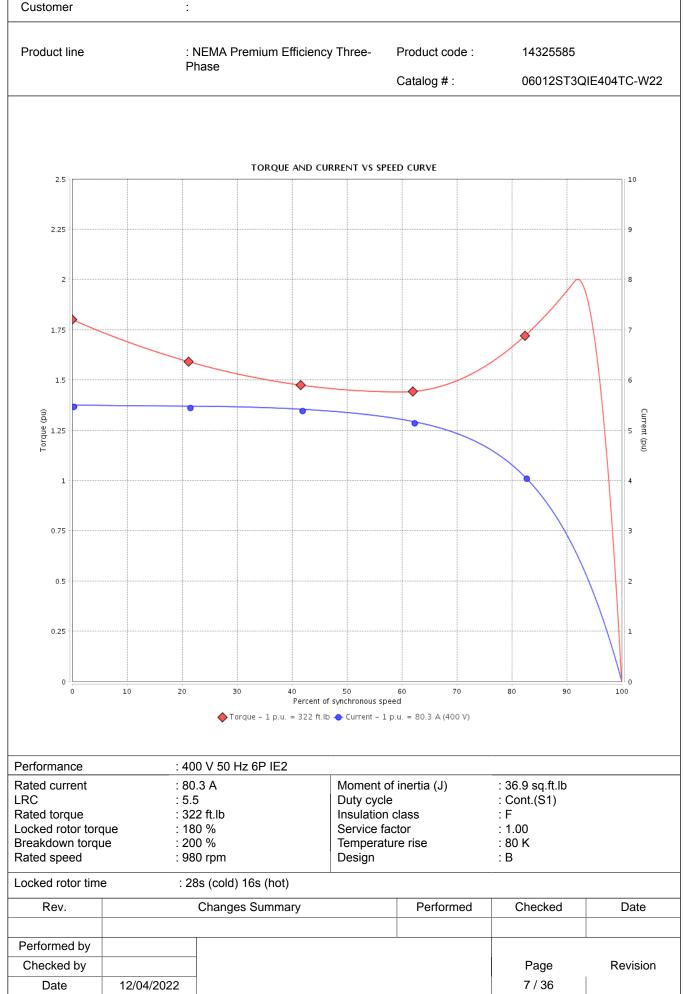
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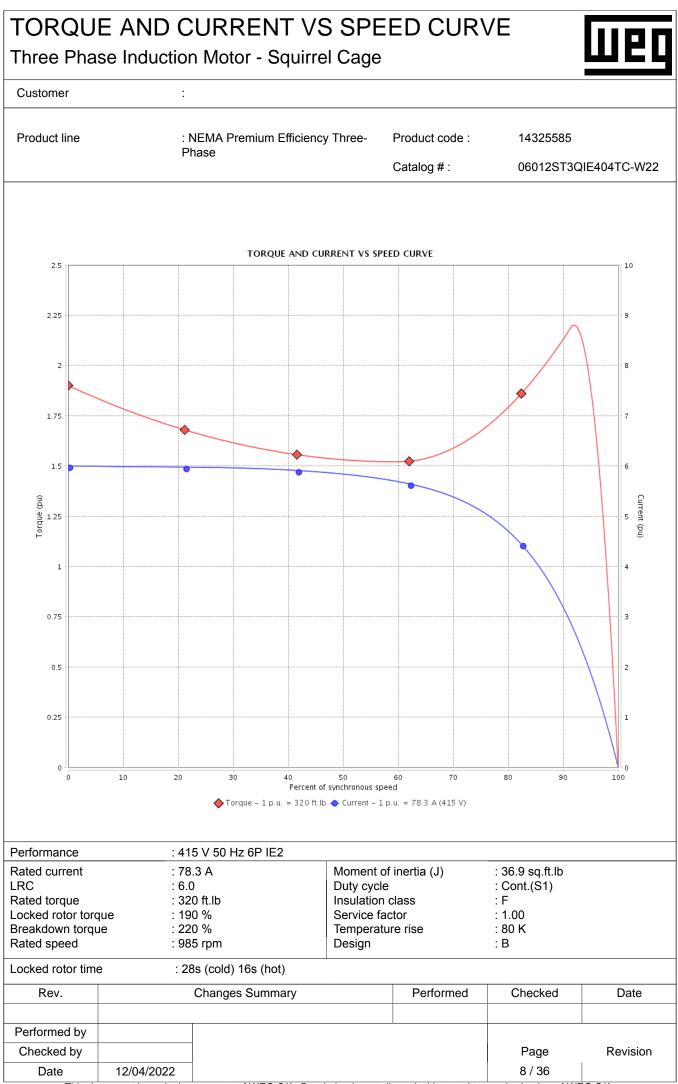
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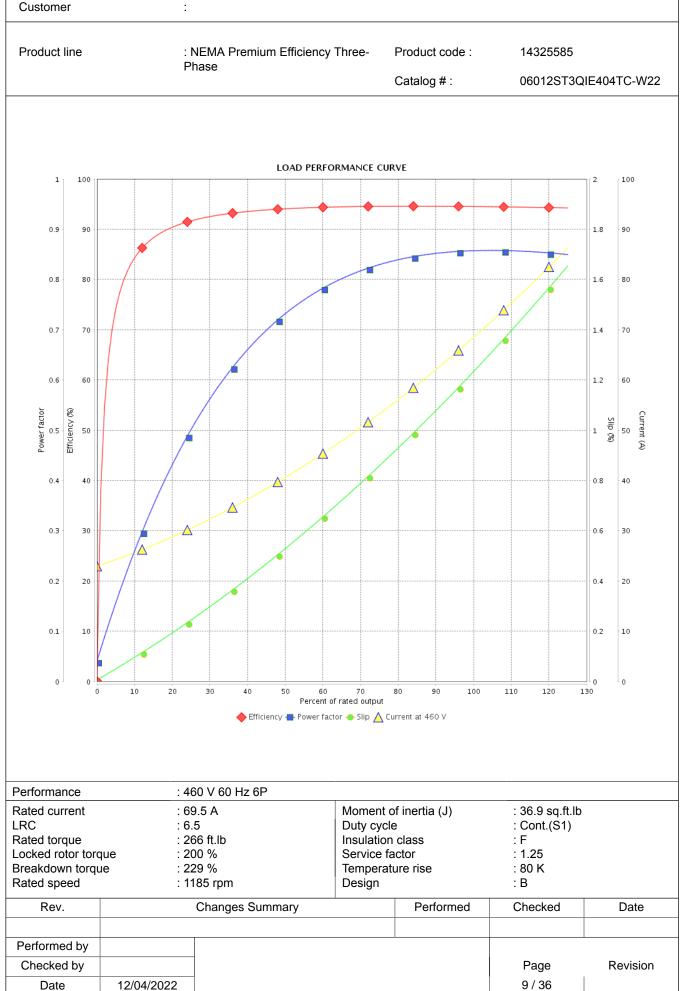


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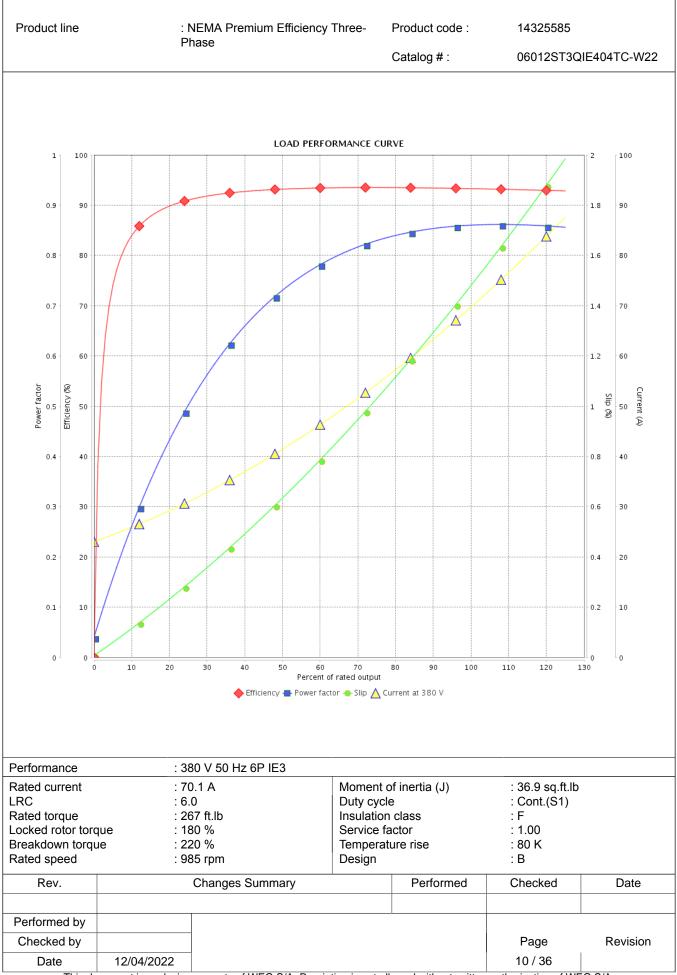
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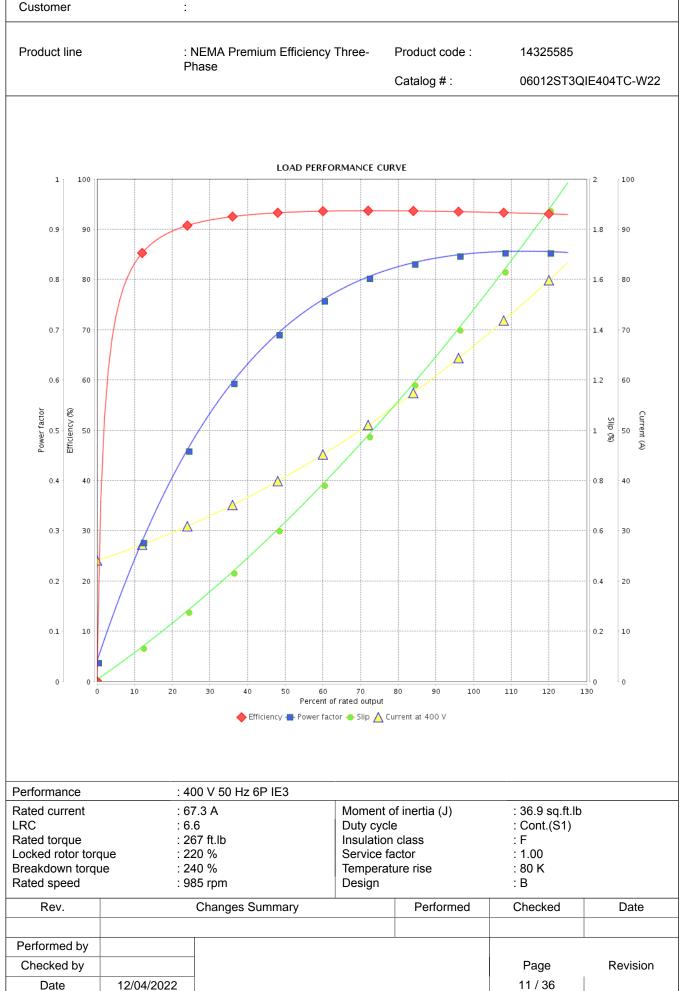


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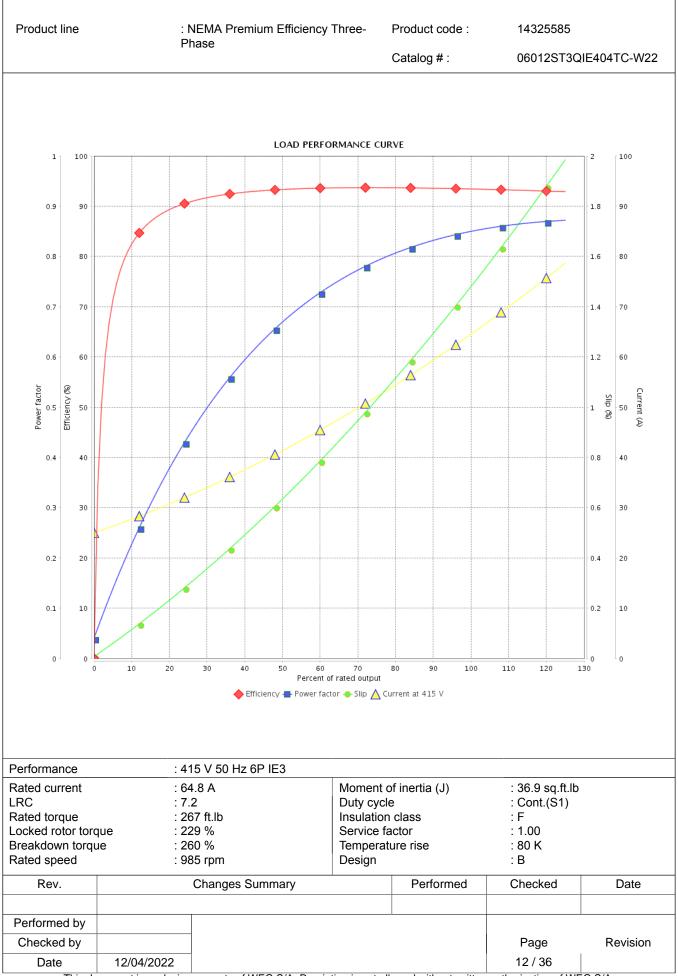
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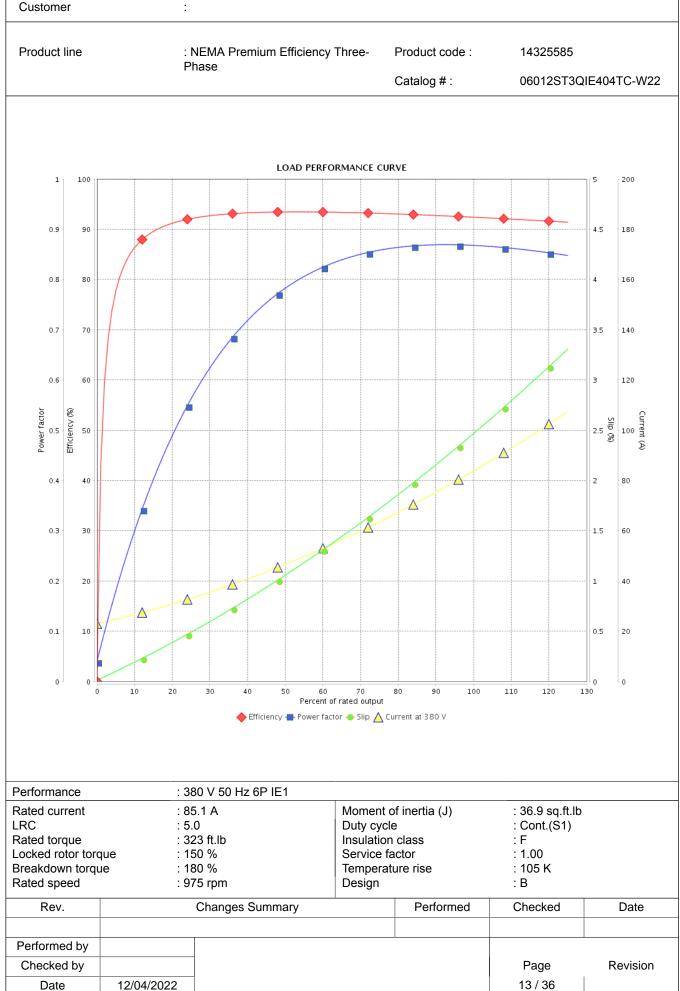


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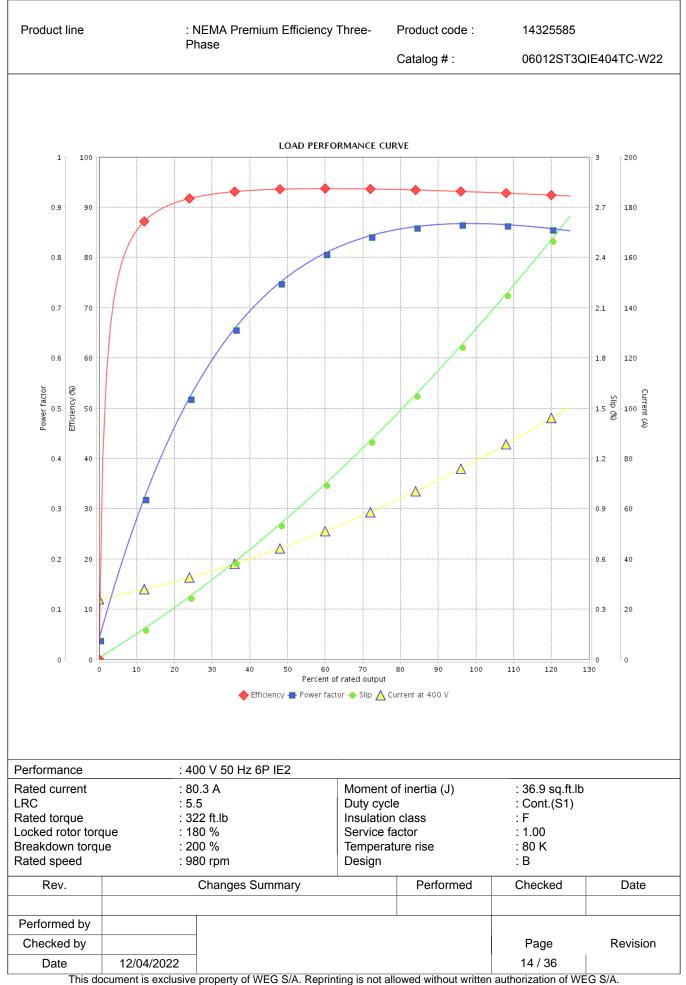
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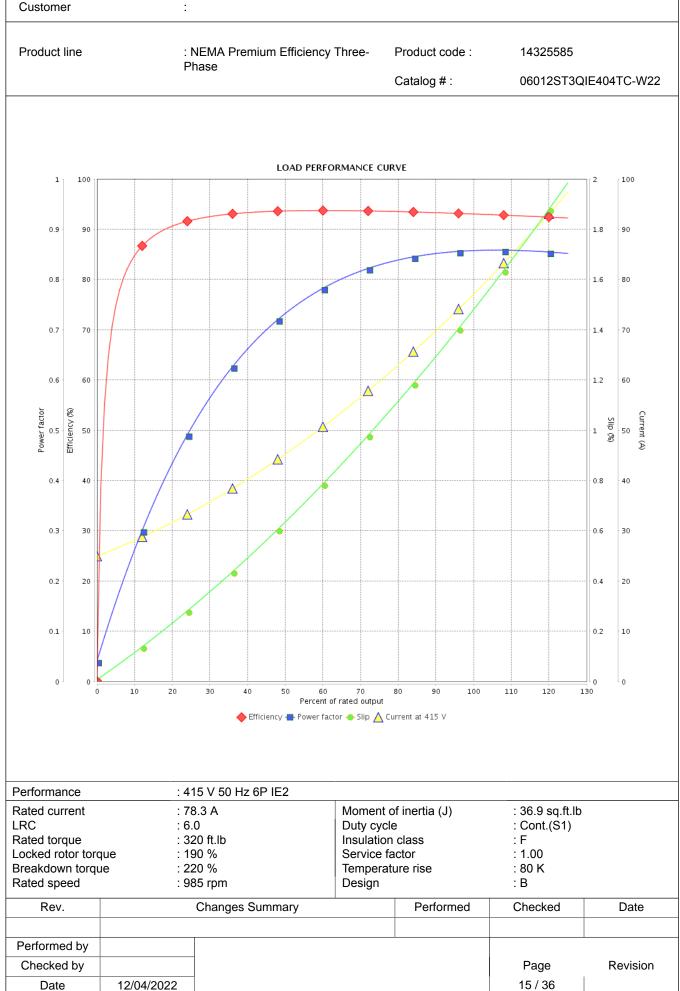


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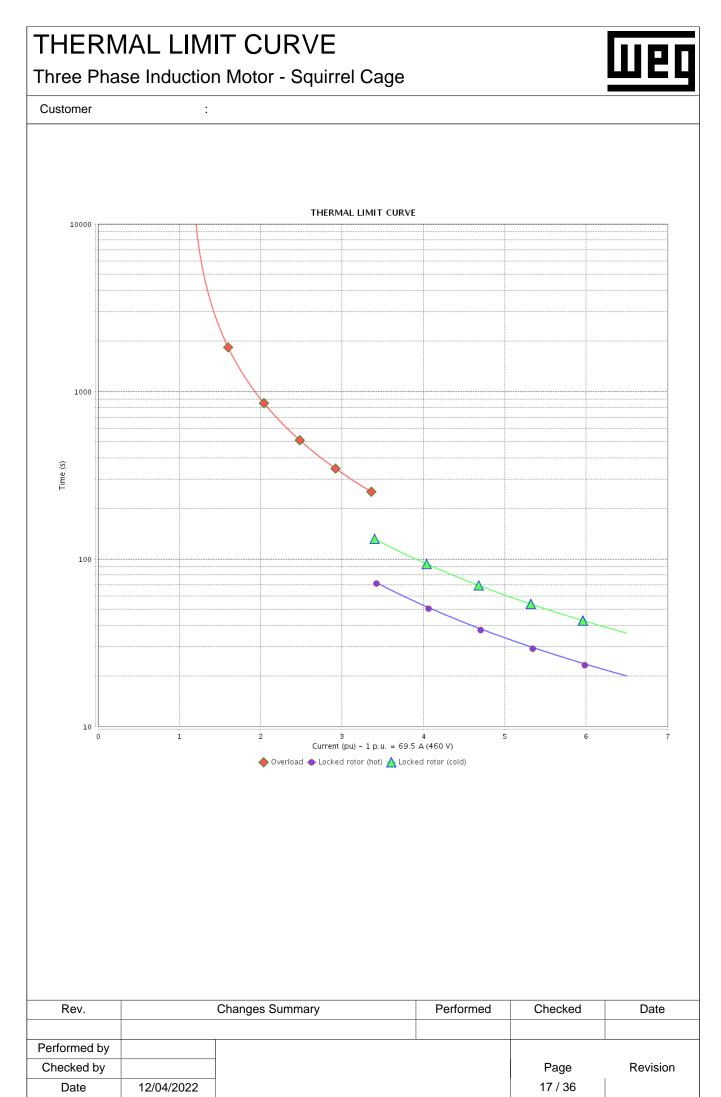


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Three Pha	se Inductio	n Motor - Squirrel	Cage			шсц
Customer	:					
Product line		NEMA Premium Efficiency <sup>-</sup> hase		Product code :	14325585	
				Catalog # :	06012513QI	E404TC-W22
Performance	: 4	60 V 60 Hz 6P				
Rated current LRC Rated torque Locked rotor toro Breakdown torqu Rated speed	: 6 : 2 que : 2 Je : 2	9.5 A .5 66 ft.lb 00 % 29 % 185 rpm	Moment o Duty cycle Insulation Service fa Temperatu Design	class ictor	: 36.9 sq.ft.lb : Cont.(S1) : F : 1.25 : 80 K : B	
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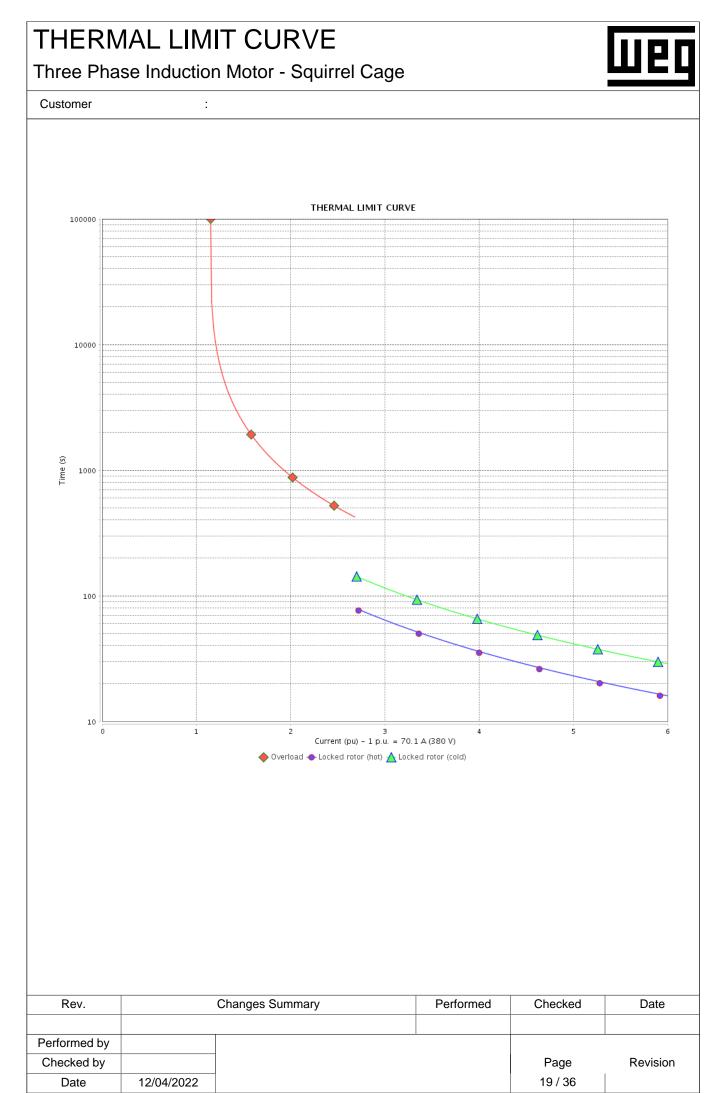


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Three Pha	se Inductio	n Motor - Squirrel	Cage			
Customer	:					
Product line		NEMA Premium Efficiency <sup>-</sup> 'hase	Three-	Product code :	14325585	
				Catalog # :	06012ST3QII	E404TC-W22
Performance	: 3	80 V 50 Hz 6P IE3				
Rated current LRC Rated torque Locked rotor toro Breakdown torqu Rated speed	: 6 : 2 que : 1 Je : 2	0.1 A .0 67 ft.lb 80 % 20 % 85 rpm	Moment o Duty cycle Insulation Service fa Temperatu Design	class ctor	: 36.9 sq.ft.lb : Cont.(S1) : F : 1.00 : 80 K : B	
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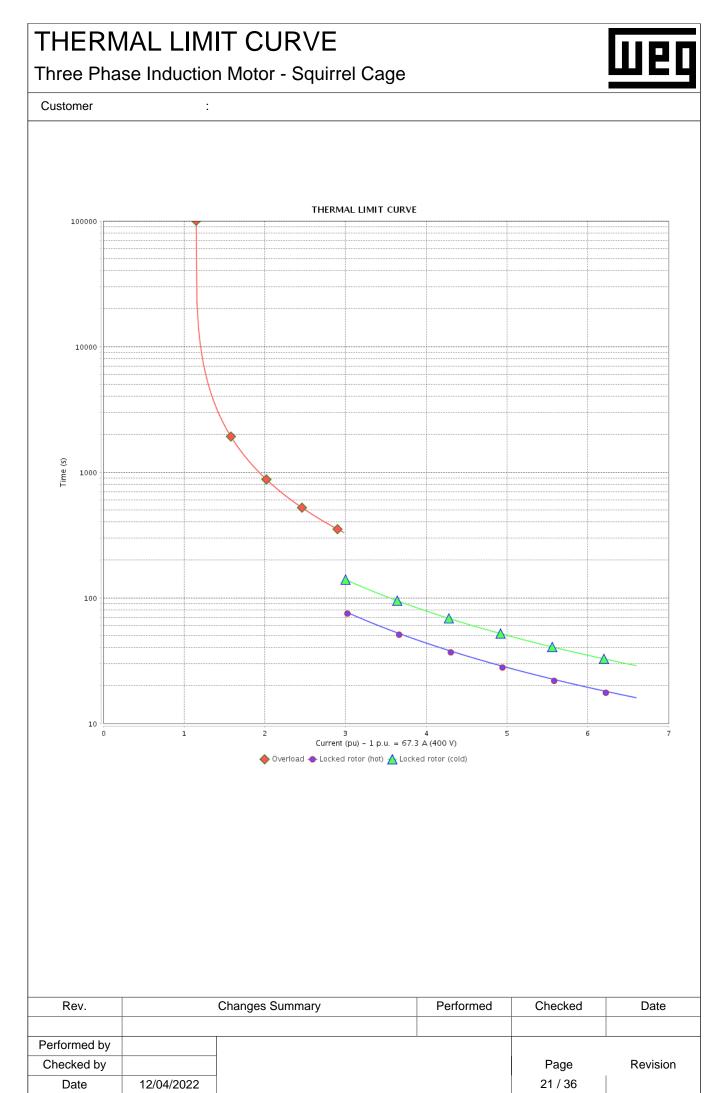
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Three Pha	se Inductio	on Motor - Squirrel	Cage			шсц
Customer	:					
Product line		NEMA Premium Efficiency <sup>-</sup> Phase	Three-	Product code :	14325585	
	·	haoo		Catalog # :	06012ST3QI	E404TC-W22
Performance		400 V 50 Hz 6P IE3		<b>6</b> • • • • • • • • • • • •		
Rated current LRC Rated torque Locked rotor toro Breakdown torqu Rated speed	: 6 : 2 que : 2 Je : 2	67.3 A 6.6 267 ft.lb 220 % 240 % 985 rpm	Moment o Duty cycle Insulation Service fa Temperatu Design	class ctor	: 36.9 sq.ft.lb : Cont.(S1) : F : 1.00 : 80 K : B	
Heating constan	t					
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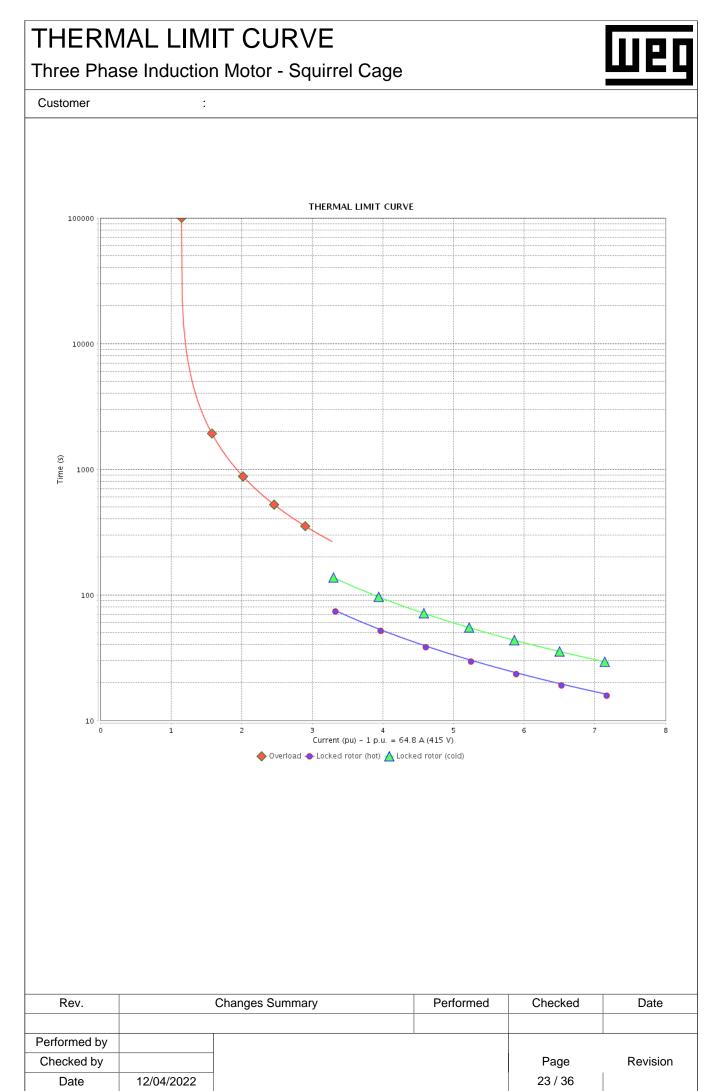
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Three Pha	se Inductio	n Motor - Squirrel	Cage			шсц
Customer	:					
Product line		NEMA Premium Efficiency	Three-	Product code :	14325585	
	P	Phase		Catalog # :	06012ST3QI	E404TC-W22
Performance Rated current		15 V 50 Hz 6P IE3 64.8 A	Momento	f inertia (J)	: 36.9 sq.ft.lb	
Rated correct Rated torque Locked rotor toro Breakdown torqu Rated speed	: 7 : 2 que : 2 Je : 2		Duty cycle Insulation Service fa Temperatu Design	e class ctor	: Cont.(S1) : F : 1.00 : 80 K : B	
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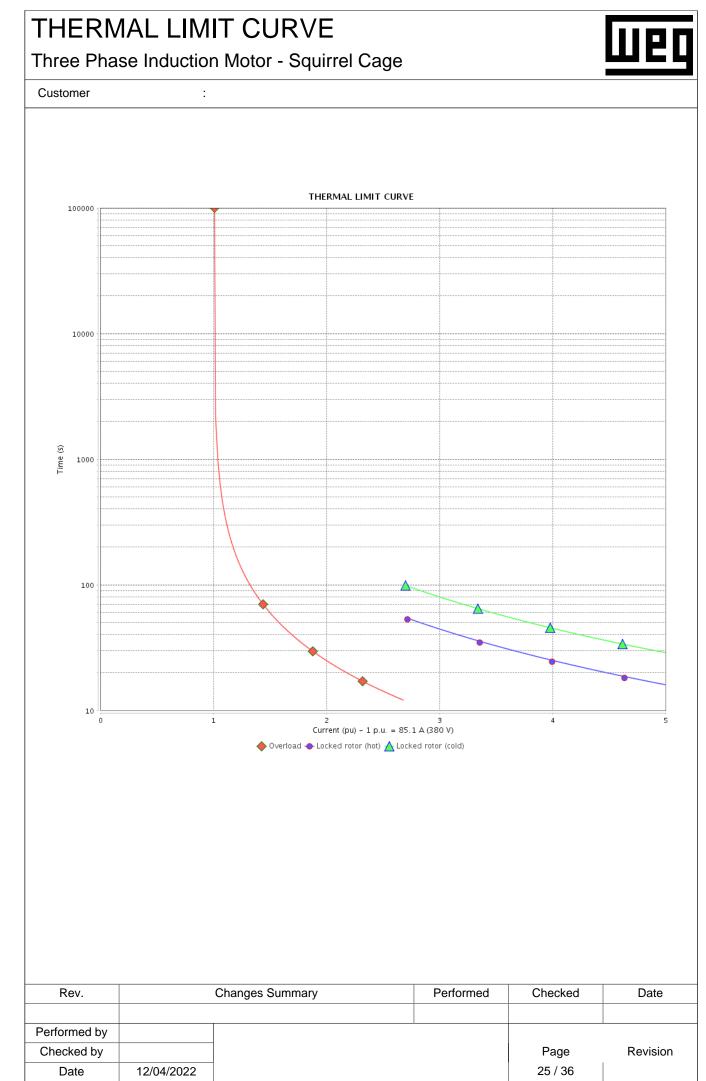
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Three Pha	se Inductio	n Motor - Squirrel	Cage		l	
Customer	:					
Product line		NEMA Premium Efficiency <sup>-</sup> Phase	Three-	Product code :	14325585	
				Catalog # :	06012ST3QI	E404TC-W22
Performance	: 3	380 V 50 Hz 6P IE1				
Rated current LRC Rated torque Locked rotor toro Breakdown torqu Rated speed	: 5 : 3 que : 1 ue : 1	35.1 A 5.0 323 ft.lb 50 % 80 % 975 rpm	Moment o Duty cycle Insulation Service fa Temperate Design	class ictor	: 36.9 sq.ft.lb : Cont.(S1) : F : 1.00 : 105 K : B	
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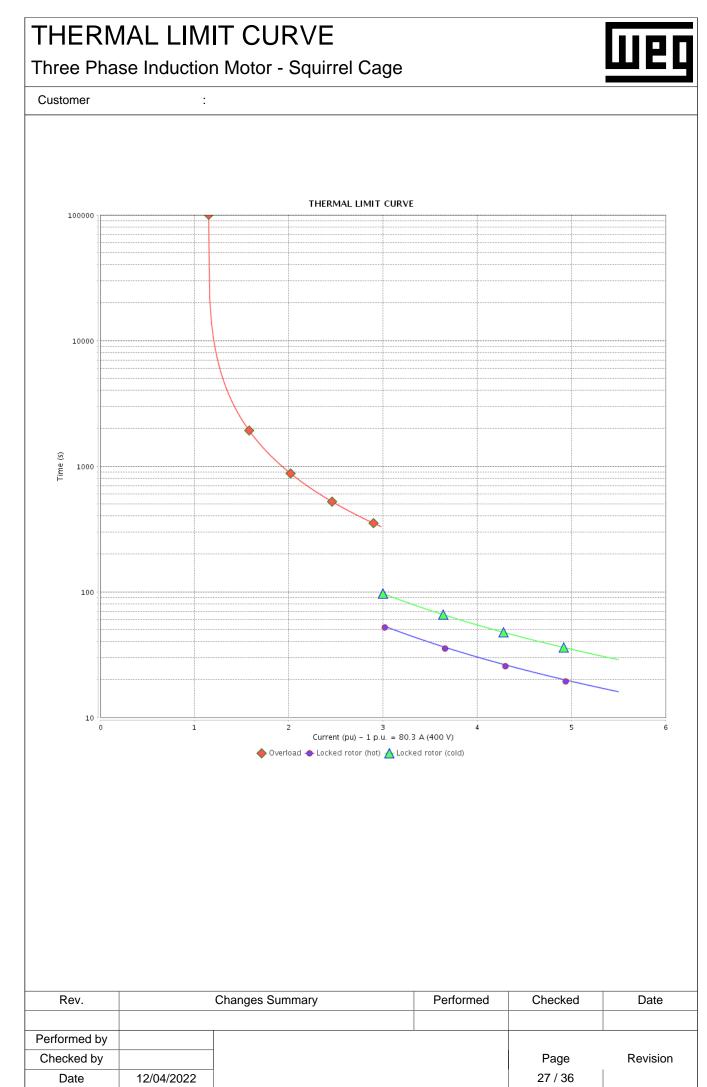
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Three Pha	se Inductio	n Motor - Squirrel	Cage			
Customer	:					
Product line		NEMA Premium Efficiency <sup>-</sup> hase	Three-	Product code :	14325585	
				Catalog # :	06012ST3QI	E404TC-W22
Performance		00 V 50 Hz 6P IE2		<b>e i i i</b>		
Rated current LRC Rated torque Locked rotor torc Breakdown torqu Rated speed	: 5 : 3 jue : 1 ie : 2	0.3 A .5 22 ft.lb 80 % 00 % 80 rpm	Moment o Duty cycle Insulation Service fa Temperatu Design	class ctor	: 36.9 sq.ft.lb : Cont.(S1) : F : 1.00 : 80 K : B	
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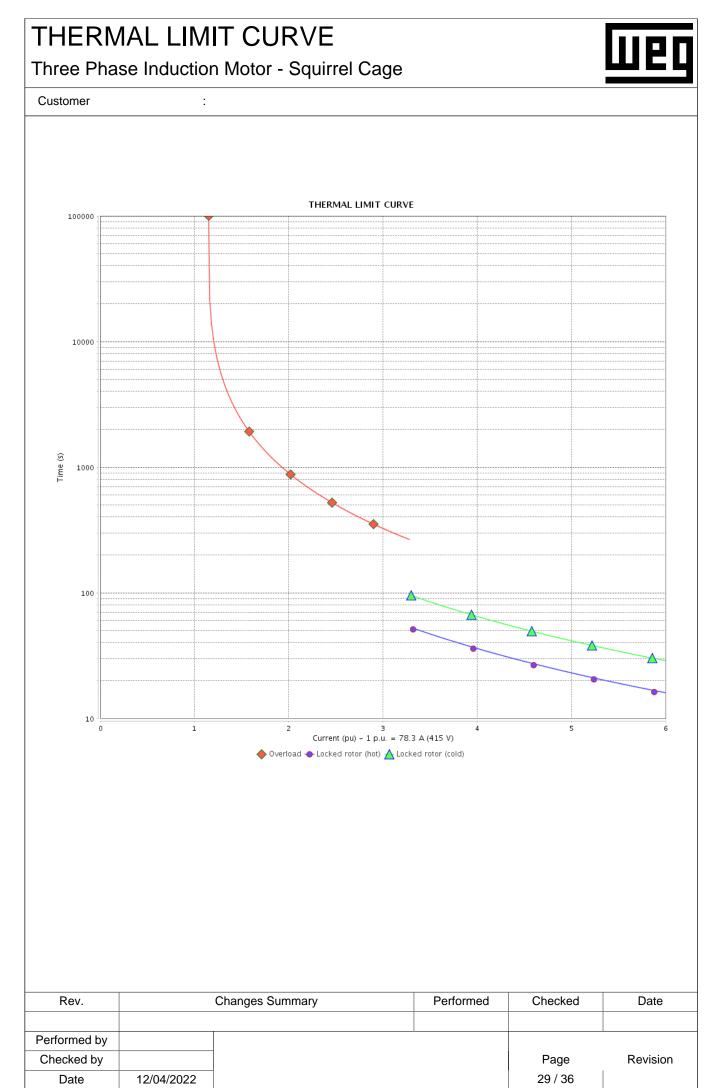
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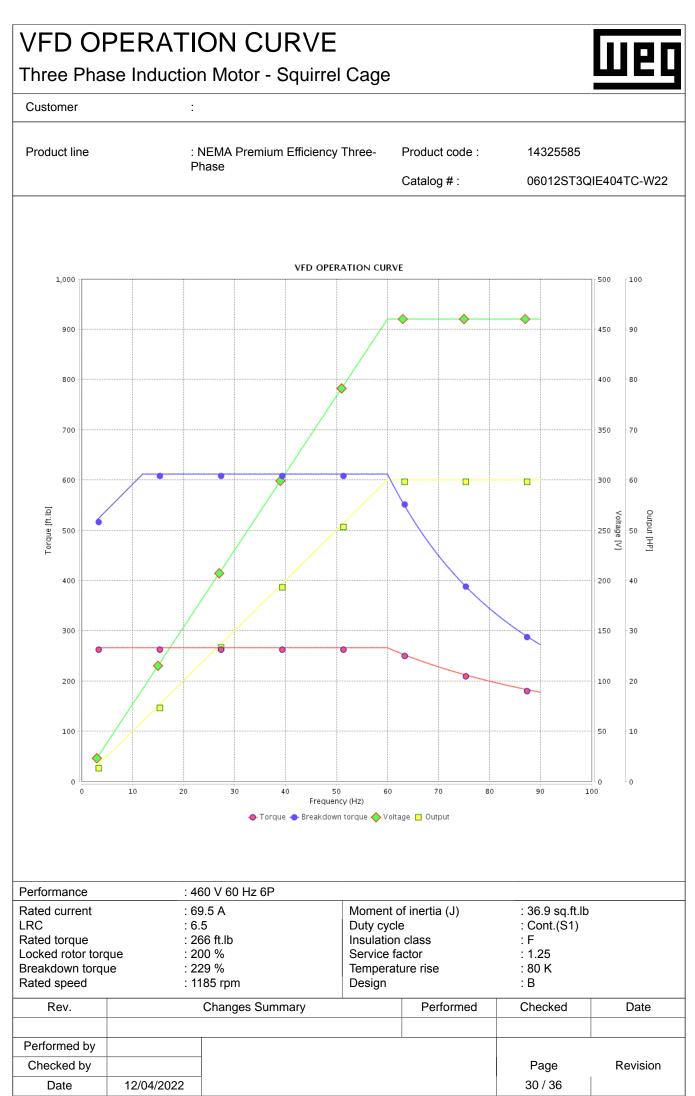


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Three Pha	se Inductio	on Motor - Squirrel	Cage			шсц
Customer	:					
Product line		NEMA Premium Efficiency <sup>-</sup> Phase	Three-	Product code :	14325585	
				Catalog # :	06012ST3QII	E404TC-W22
Performance	: 4	115 V 50 Hz 6P IE2				
Rated current LRC Rated torque Locked rotor toro Breakdown torqu Rated speed	: 6 : 3 que : 1 Je : 2	78.3 A 5.0 320 ft.lb 190 % 220 % 985 rpm	Moment o Duty cycle Insulation Service fa Temperate Design	class ctor	: 36.9 sq.ft.lb : Cont.(S1) : F : 1.00 : 80 K : B	
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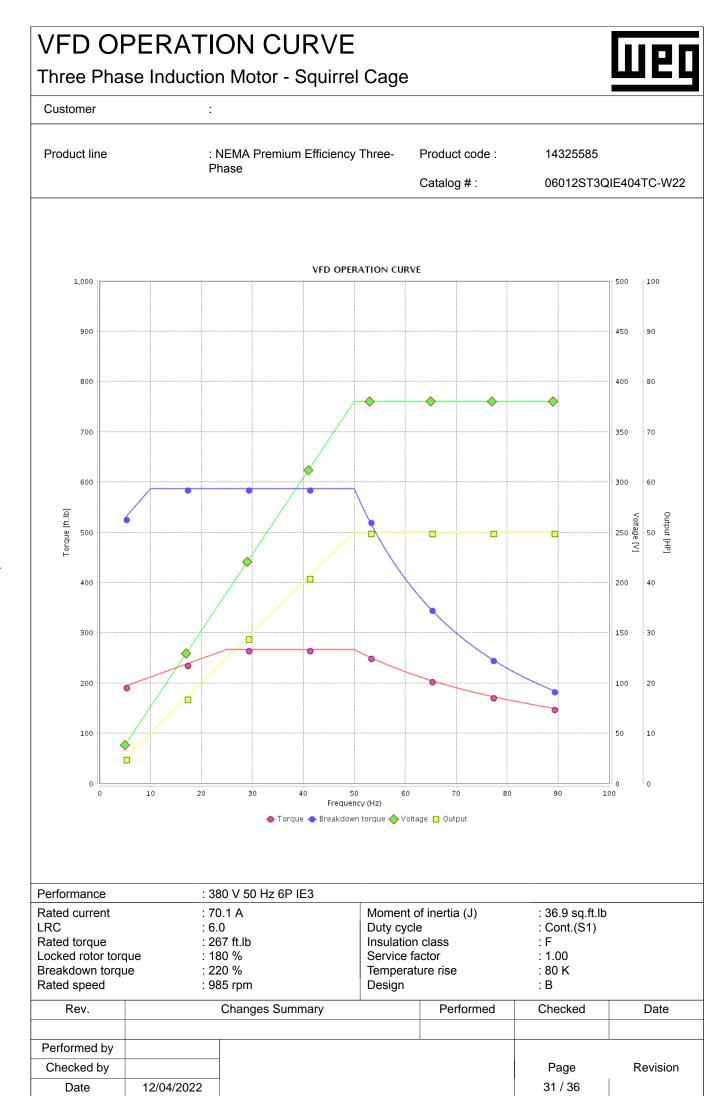
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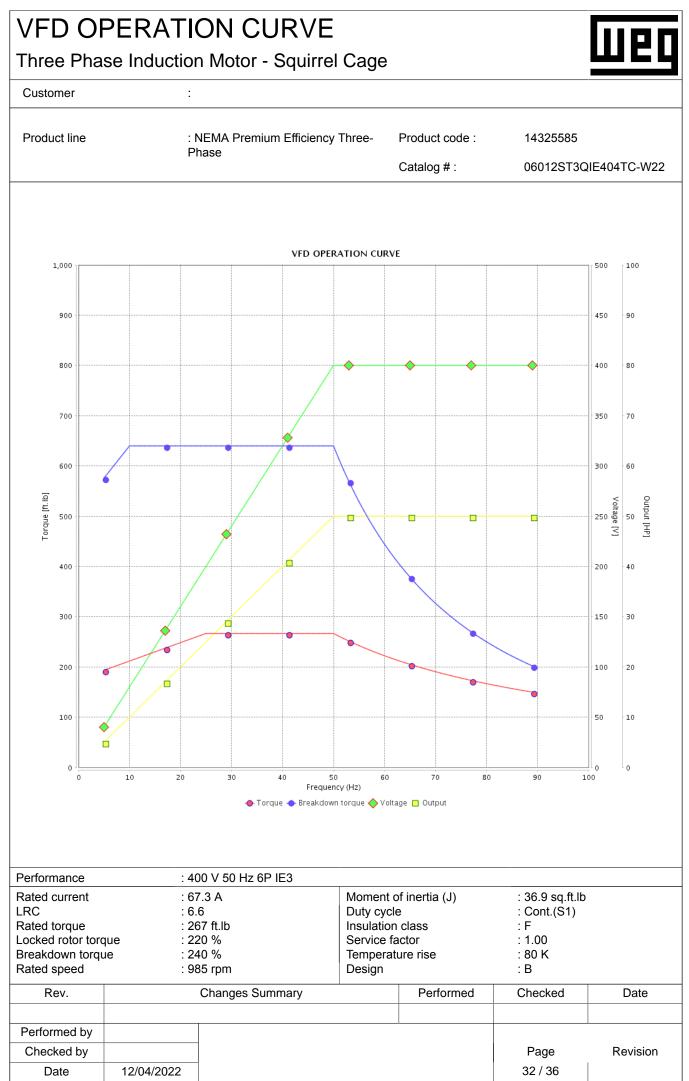
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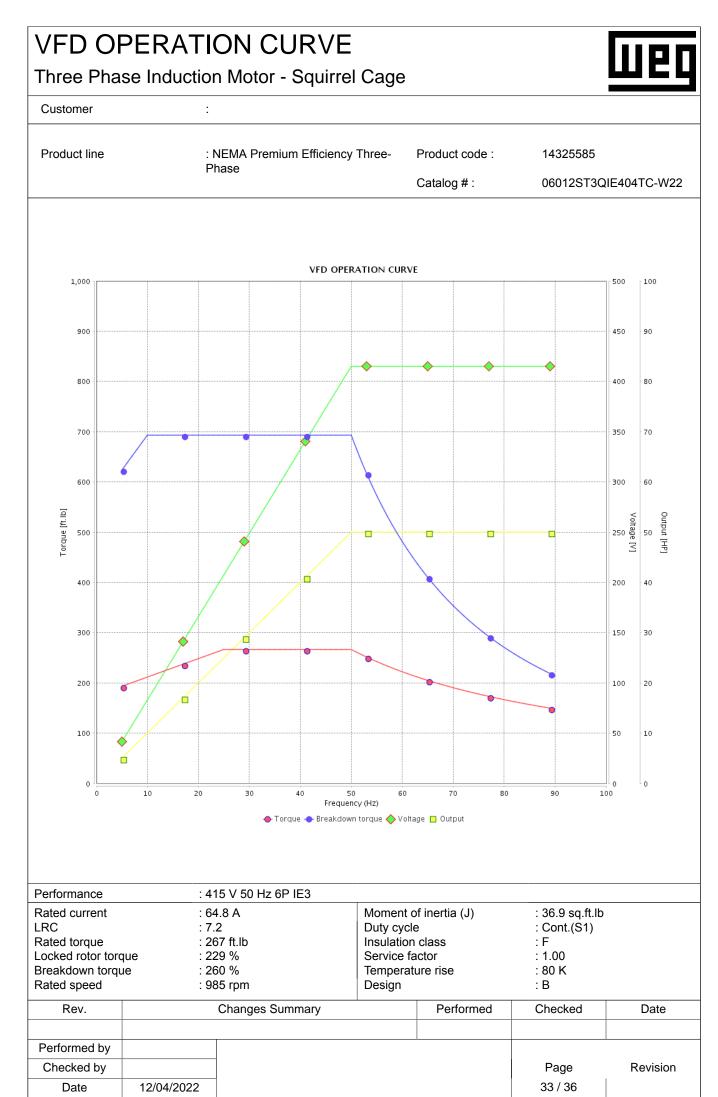


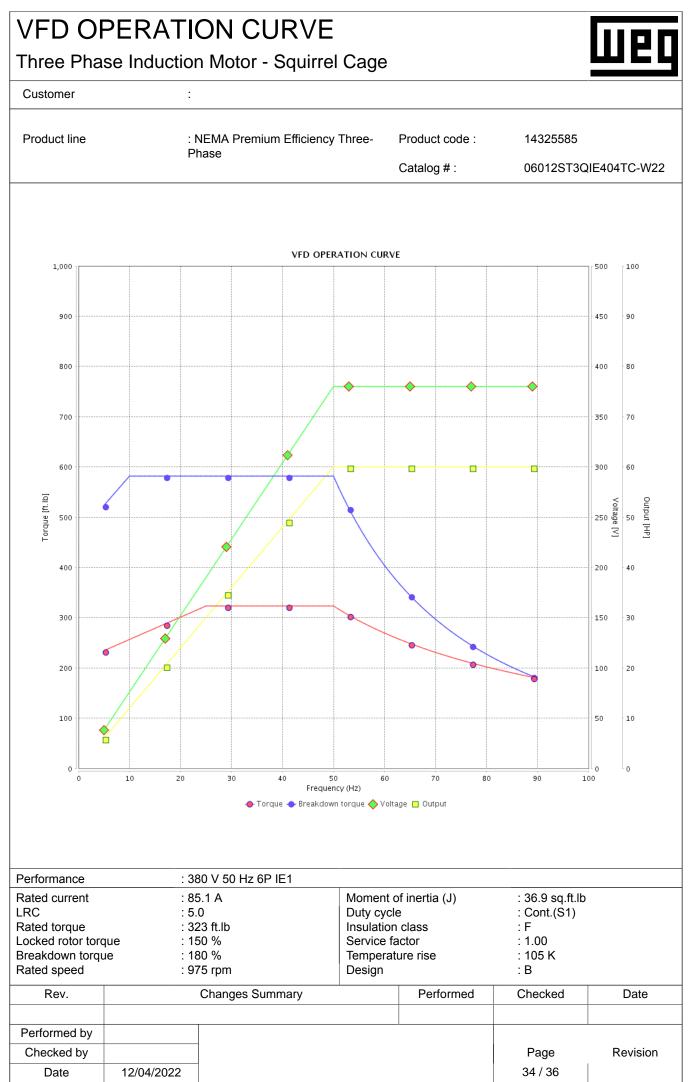


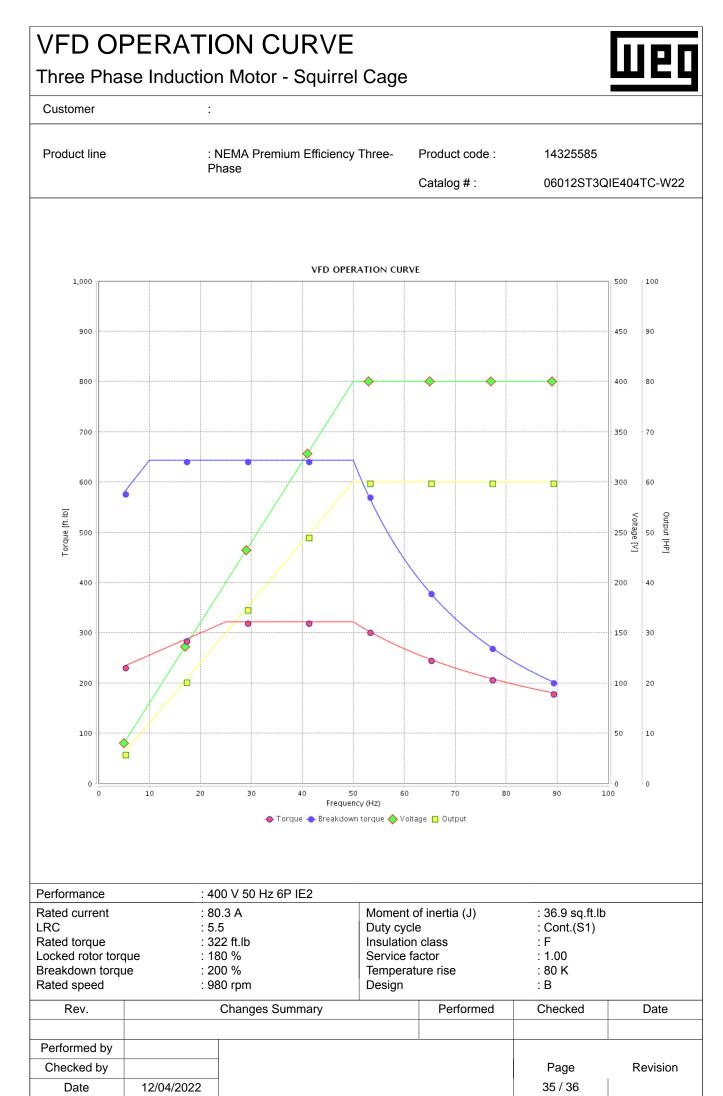
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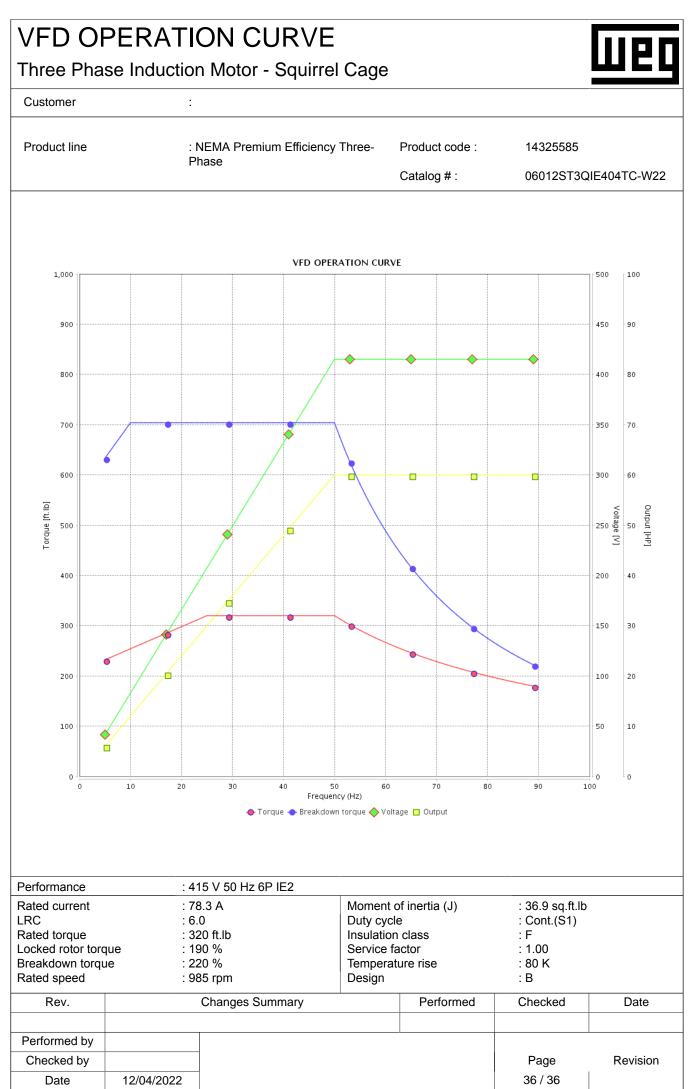


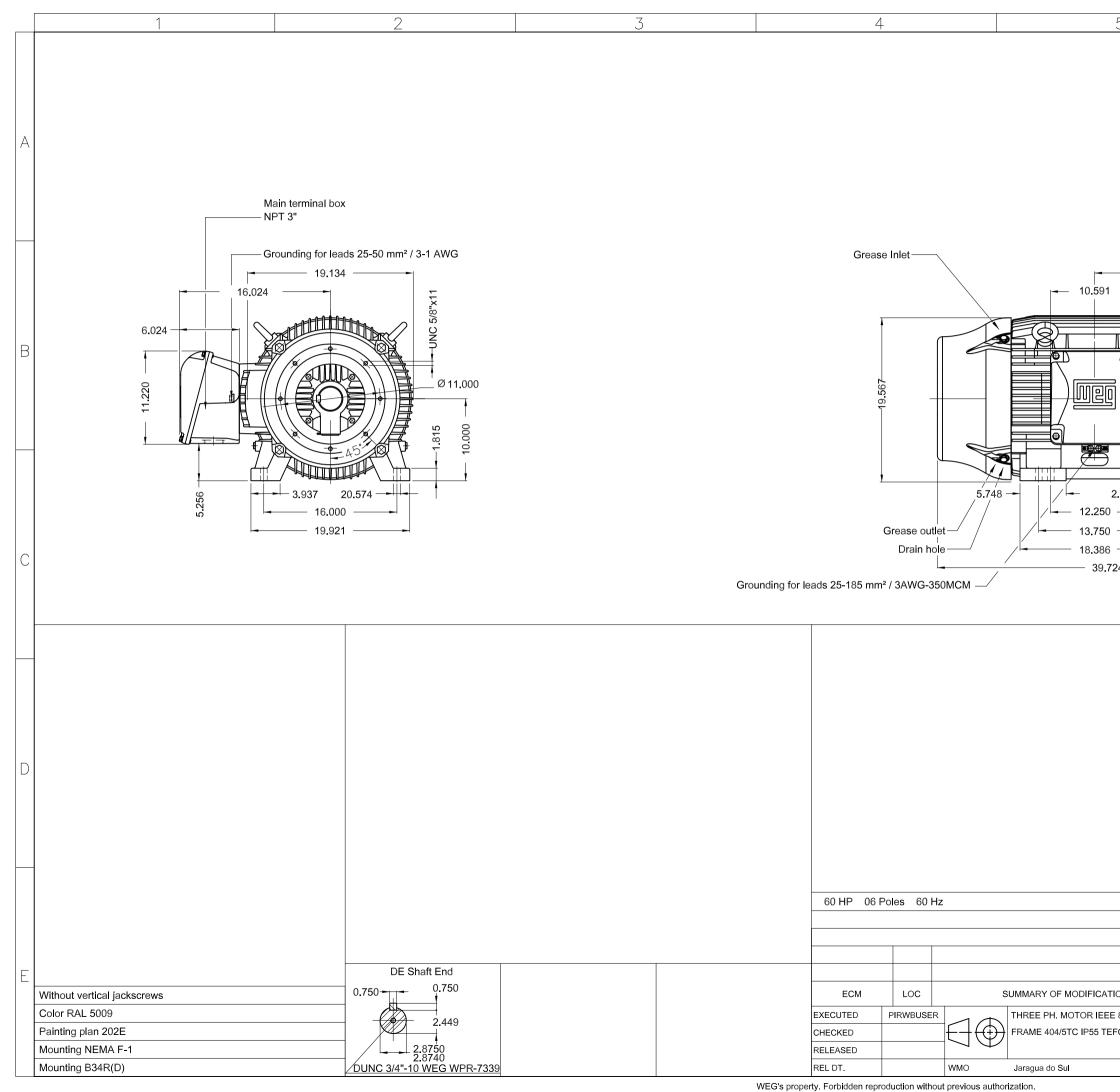












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