## DATA SHEET

Three Phase Induction Motor - Squirrel Cage

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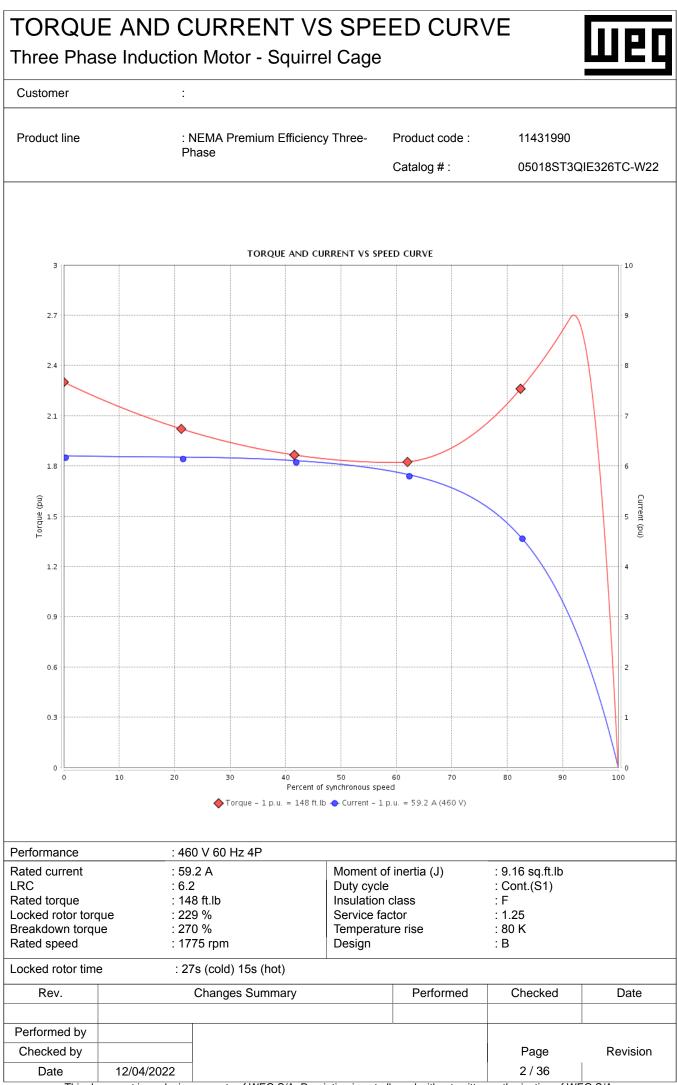
#### Customer

Product line		: NEMA Pre Phase	mium Efficien	icy Thr	ee-	Product code	e: 11	11431990		
						Catalog # :	05	018ST3QIE3	26TC-W22	
Frame Insulation class Duty cycle Ambient tempera Altitude Protection degree Design		: 324/6TC : F : Cont.(S1) : -20°C to + : 1000 m.a.: : IP55 : B			Mountii Rotatio Startino Approx		: F : E : C : 6	C411 - TEFC -1 Both (CW and Direct On Line 515 lb 0.16 sq.ft.lb	,	
Output [HP]		50	40	4	.0	40	50	50	50	
Poles		4	4		4	4	4	4	4	
Frequency [Hz]		60	50		0	50	50	50	50	
Rated voltage [V]		460	380		00	415	380	400	415	
Rated current [A]		59.2	58.7	57	7.1	56.4	71.6	68.4	66.3	
. R. Amperes [A]		367	376		00	417	372	397	411	
LRC [A]		6.2x(Code G)	6.4x(Code G)	7.0x(C	ode H)	7.4x(Code J)	5.2x(Code E)	5.8x(Code F)	6.2x(Code G)	
No load current [A	]	23.5	23.0	24	1.0	25.0	23.0	24.0	25.0	
Rated speed [RPN		1775	1470		75	1478	1460	1465	1470	
Slip [%]		1.39	2.00		67	1.47	2.67	2.33	2.00	
Rated torque [ft.lb]		148	142	14	42	142	180	179	179	
Locked rotor torqu		229	229	25	50	260	180	200	210	
Breakdown torque		270	260	30	00	330	210	240	260	
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	105 K	105 K	
_ocked rotor time		27s (cold) 15s (hot)	19s (cold) 11s (hot)		(cold) (hot)	19s (cold) 11s (hot)	19s (cold) 11s (hot)	19s (cold) 11s (hot)	19s (cold) 11s (hot)	
Noise level <sup>2</sup>		66.0 dB(A)	63.0 dB(A)	63.0		63.0 dB(A)	63.0 dB(A)	63.0 dB(A)	63.0 dB(A	
	25%	92.5	91.9	90	).6	90.3	93.3	92.2	91.8	
Efficiency (%)	50%	93.0	92.5	91	1.5	91.1	93.0	92.4	92.4	
	75%	94.1	93.1	92	2.8	93.0	93.0	93.0	93.0	
	100%	94.5	93.6	93	3.6	93.6	92.4	93.0	93.5	
	25%	0.42	0.41	0.3	38	0.36	0.48	0.45	0.42	
Power Factor	50%	0.66	0.64		60	0.57	0.72	0.68	0.65	
I UWEI FACIUI	75%	0.77	0.77		73	0.70	0.81	0.79	0.76	
	100%	0.83	0.83	0.	81	0.79	0.85	0.84	0.83	
Bearing type Sealing		Drive end : 6312 C3 : Inpro/Sea	6212 (	C3 N						
Lubrication interv Lubricant amoun Lubricant type		: 20000 h : 21 g : Mobi		h				. 2000 10		
Notes										
This revision repla must be eliminate (1) Looking the m (2) Measured at 1 (3) Approximate v manufacturing pro (4) At 100% of ful	d. otor from the m and with t veight subjec ocess.	e shaft end. olerance of +3	dB(A).	p		ire average va upply, subject				
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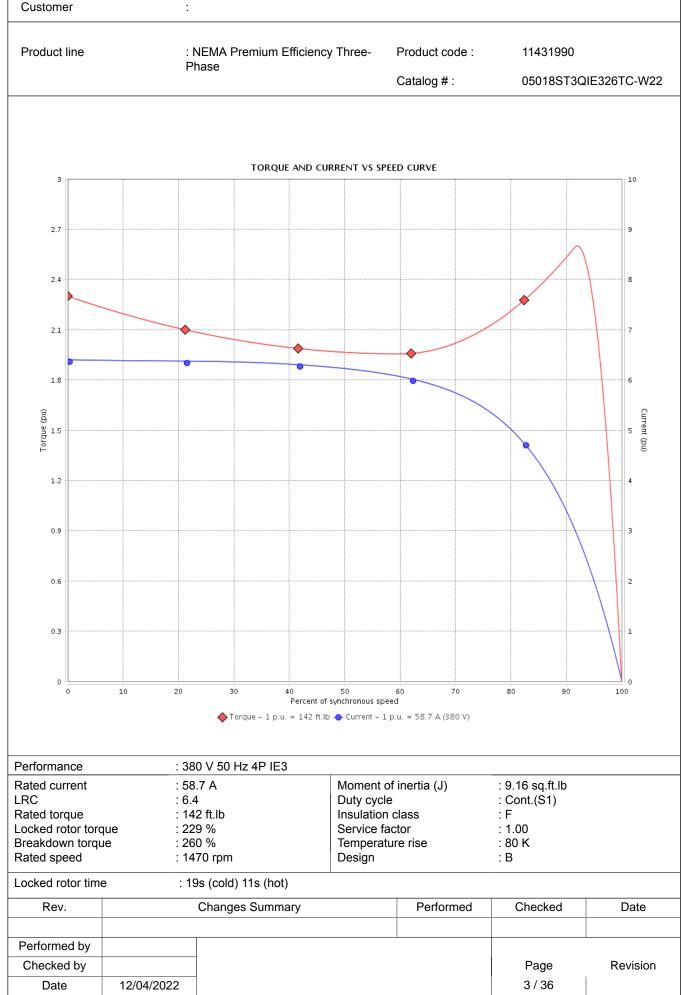
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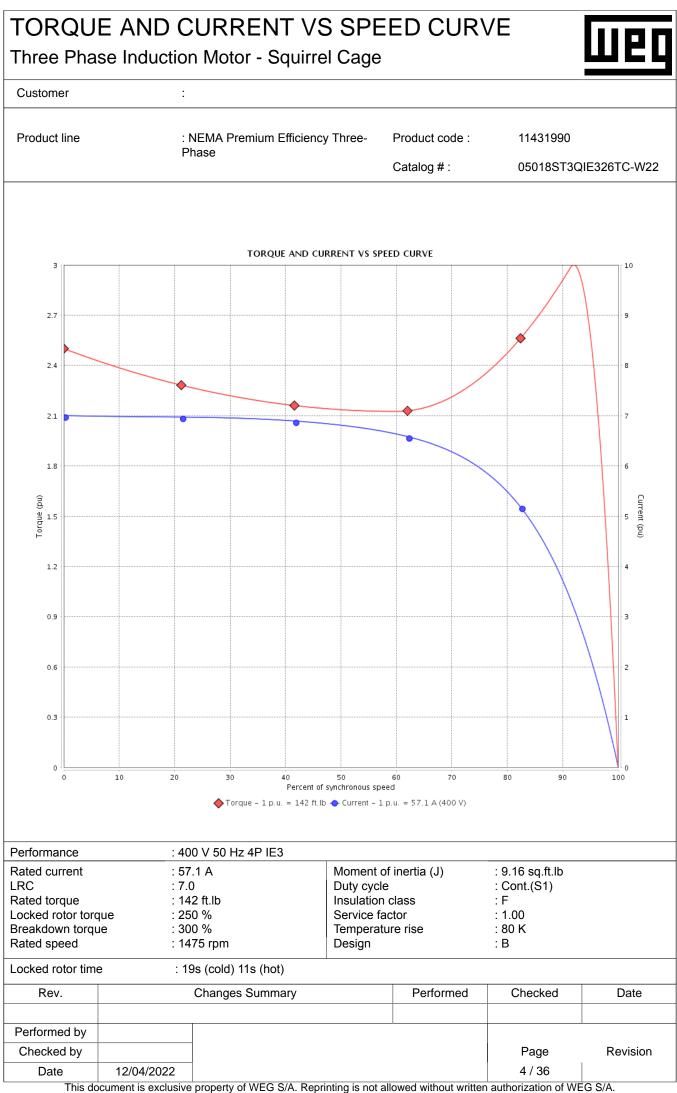
### TORQUE AND CURRENT VS SPEED CURVE

Three Phase Induction Motor - Squirrel Cage

Customer



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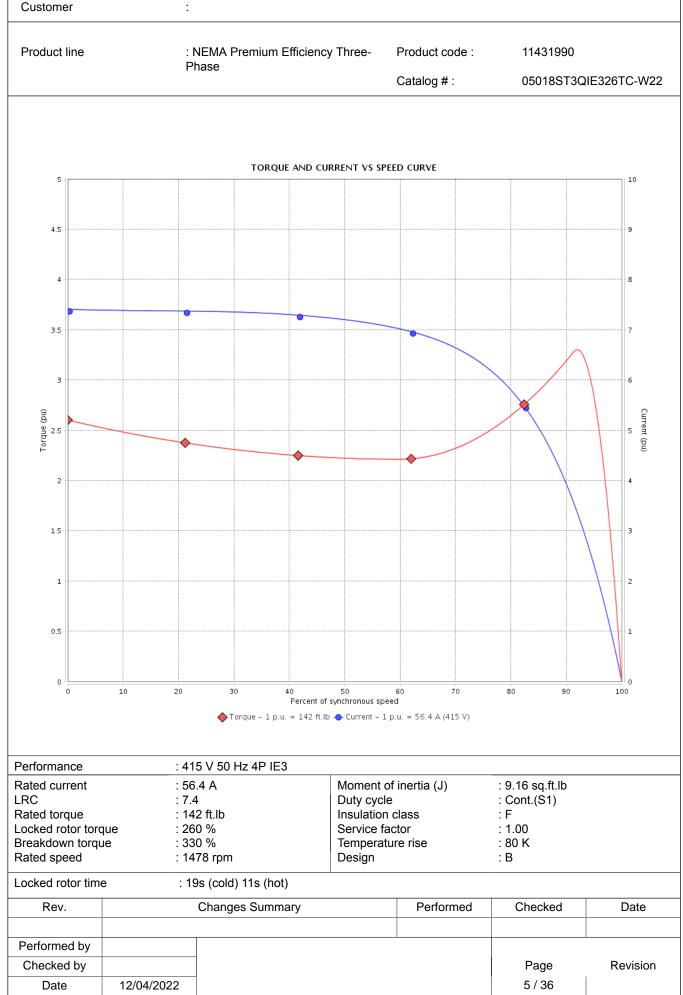


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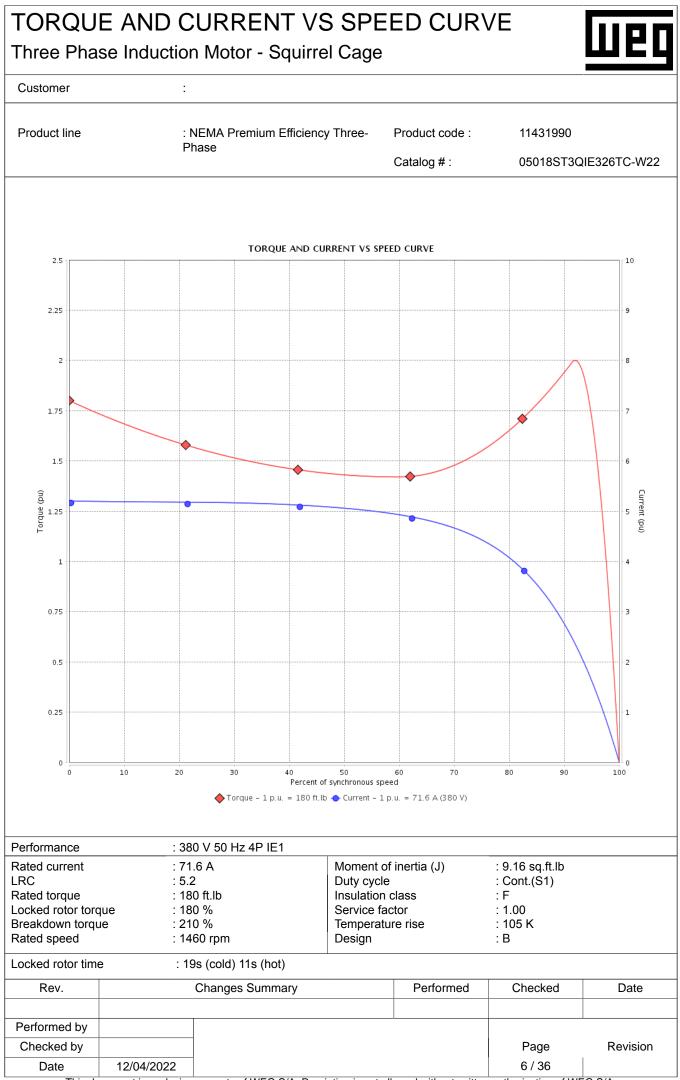
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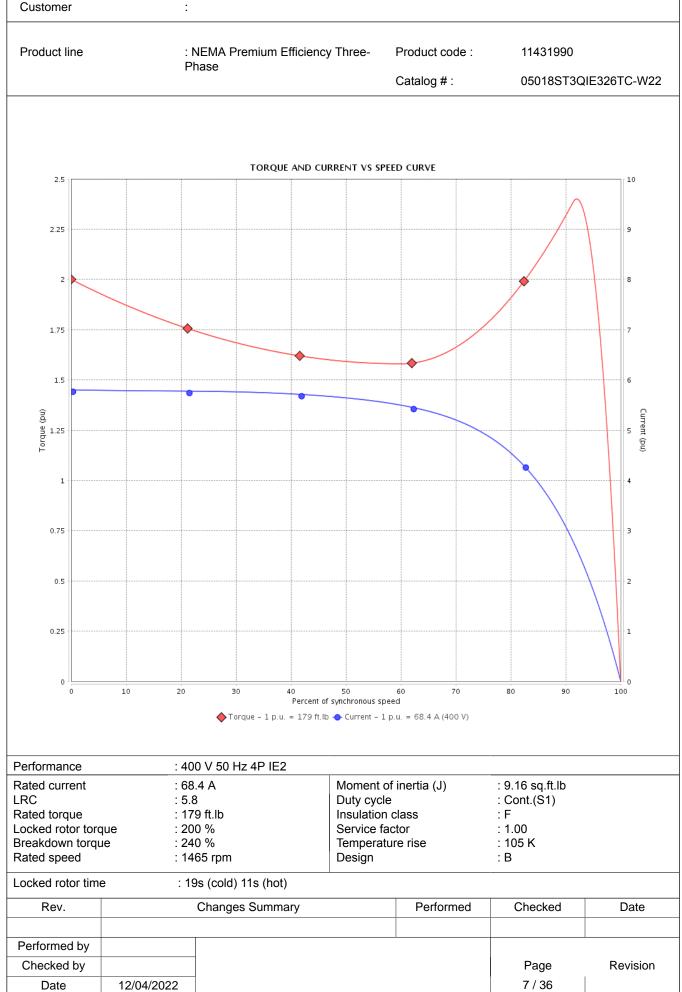
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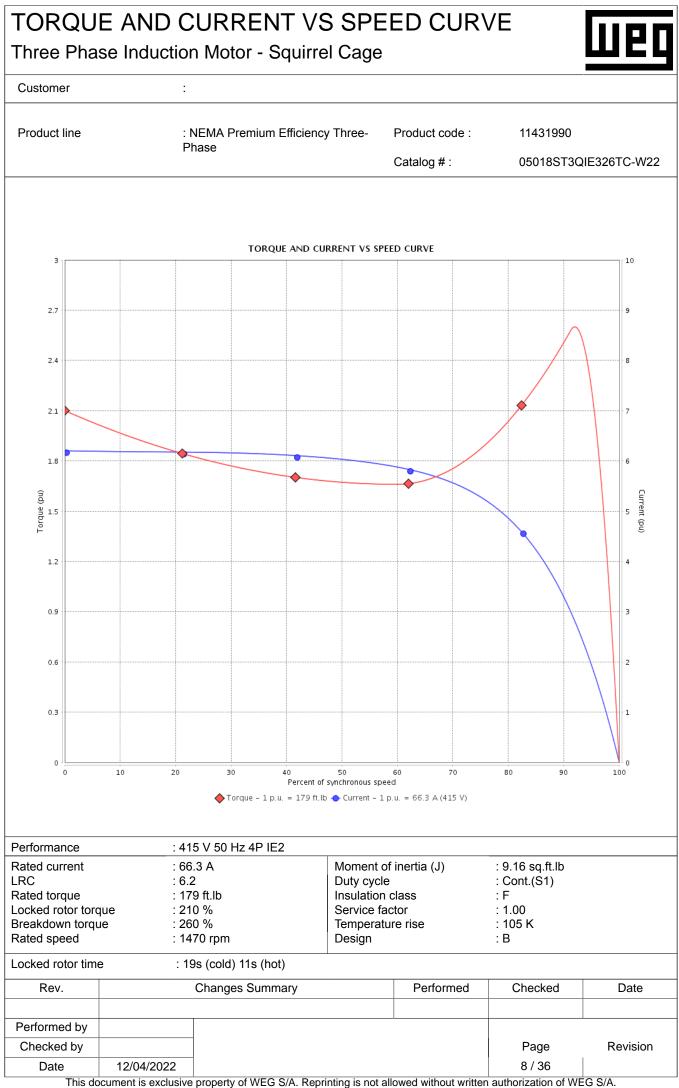
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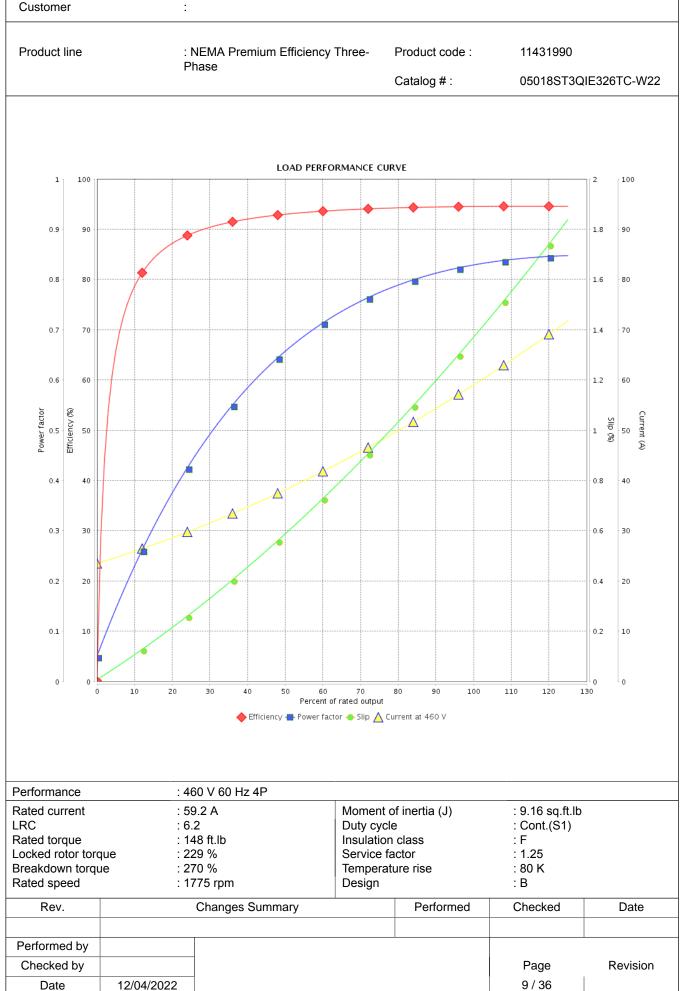


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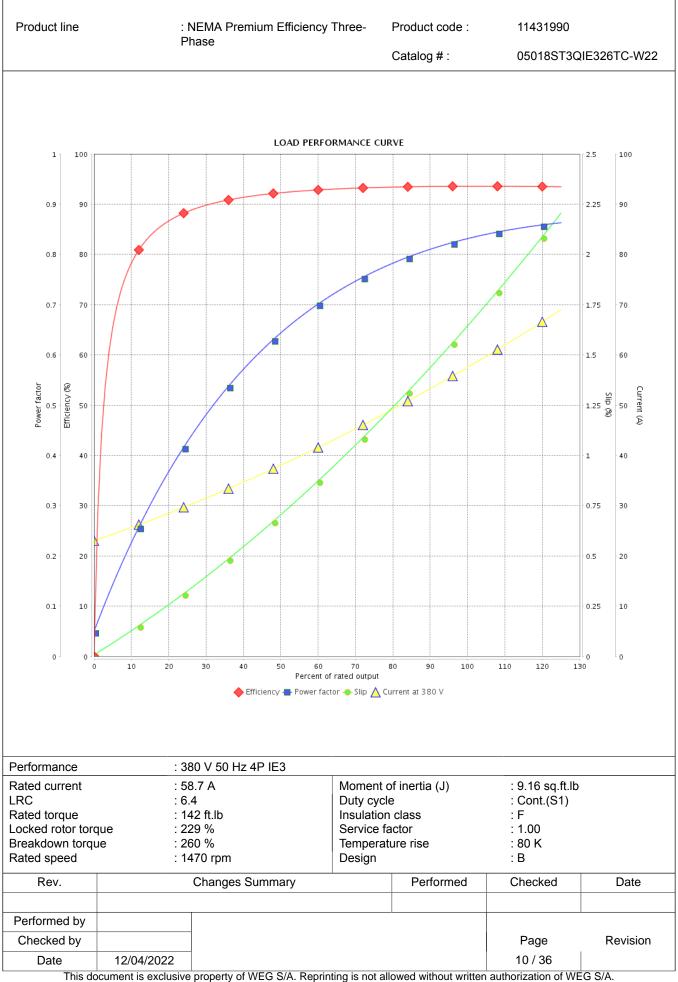
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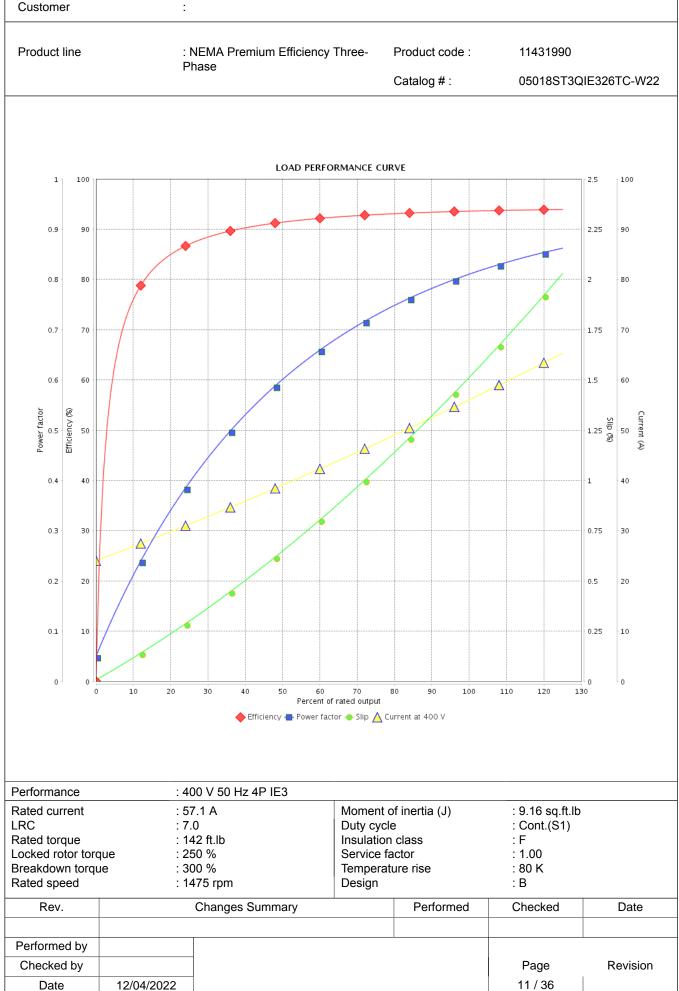


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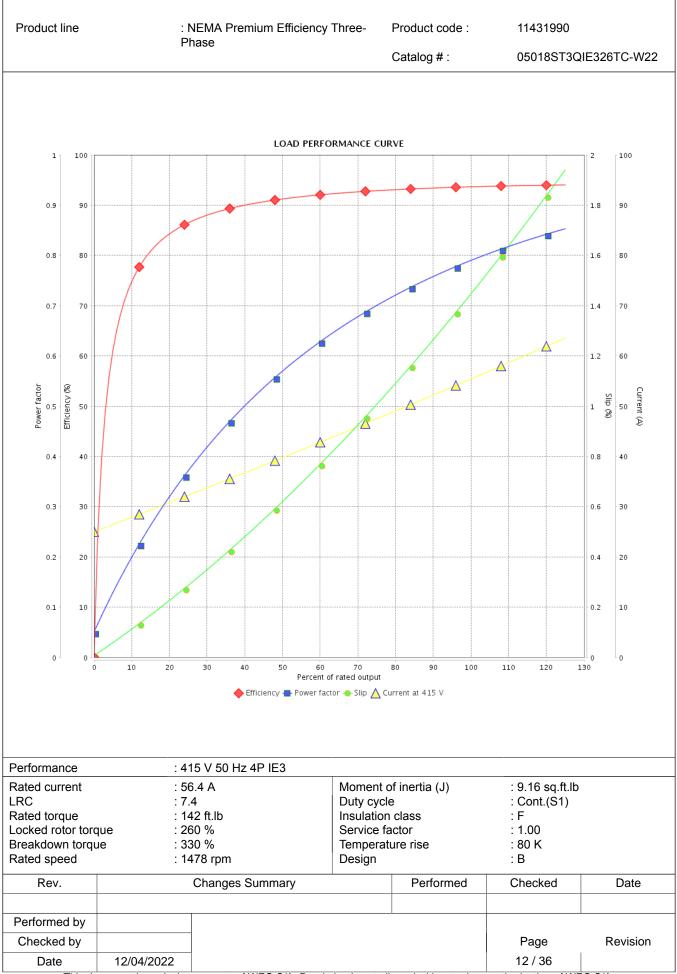
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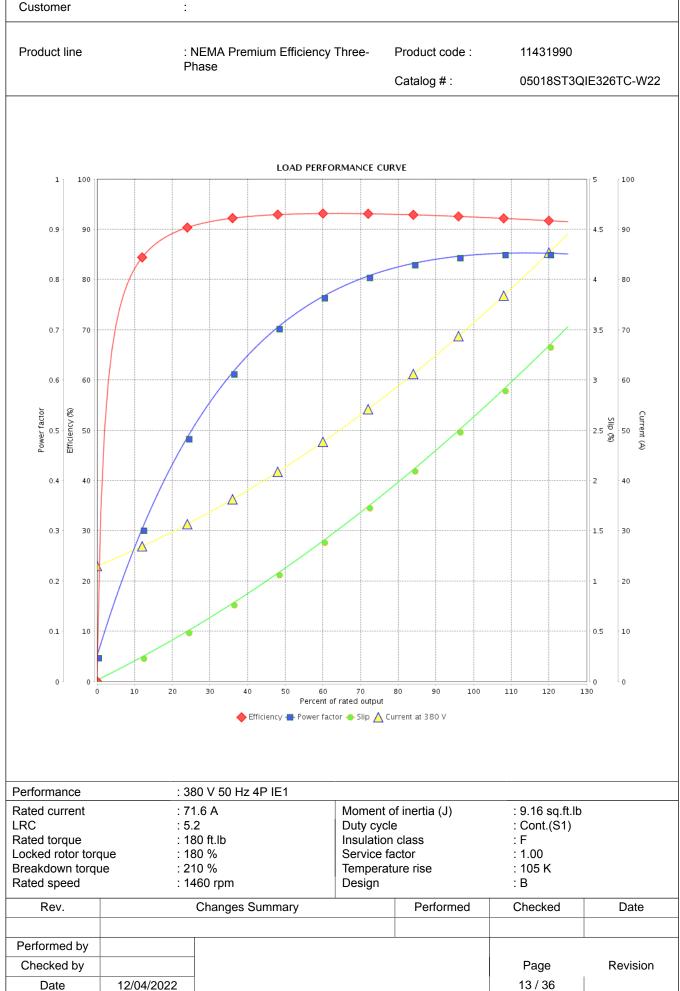


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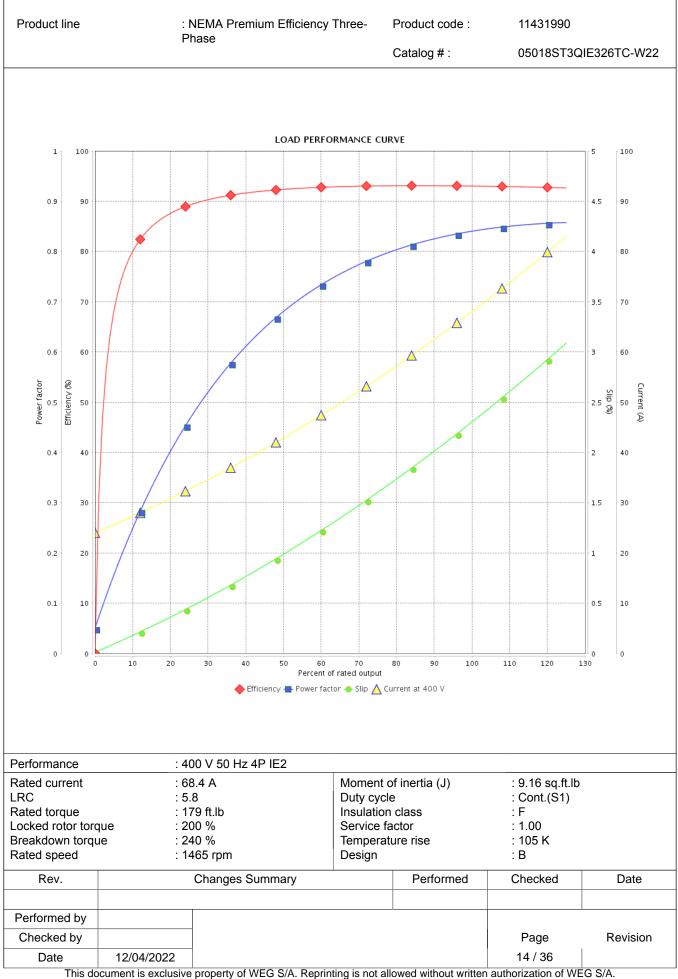
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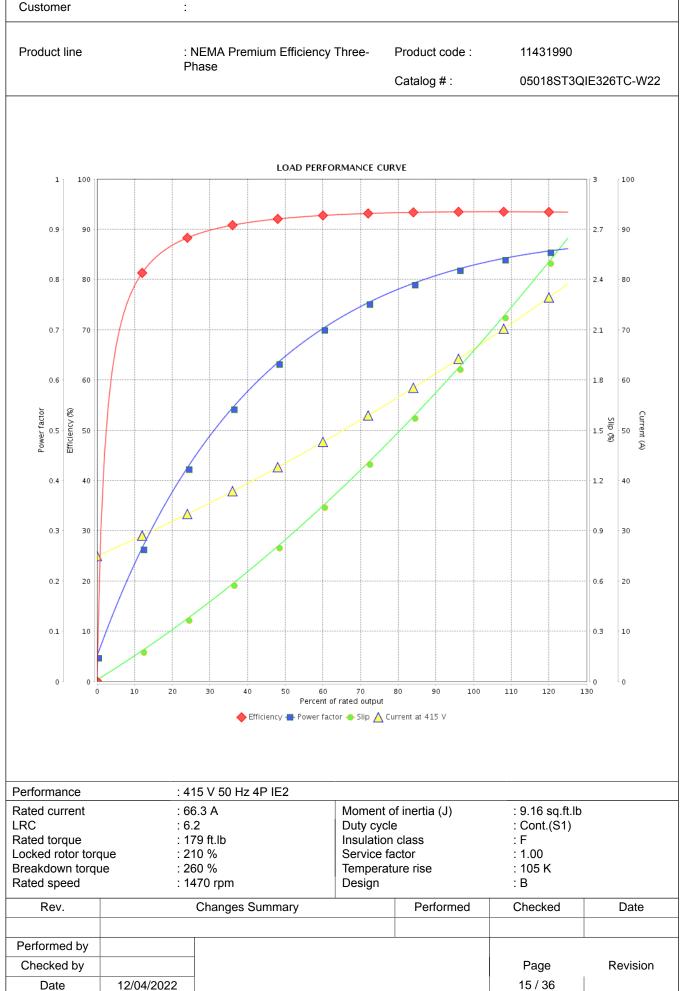


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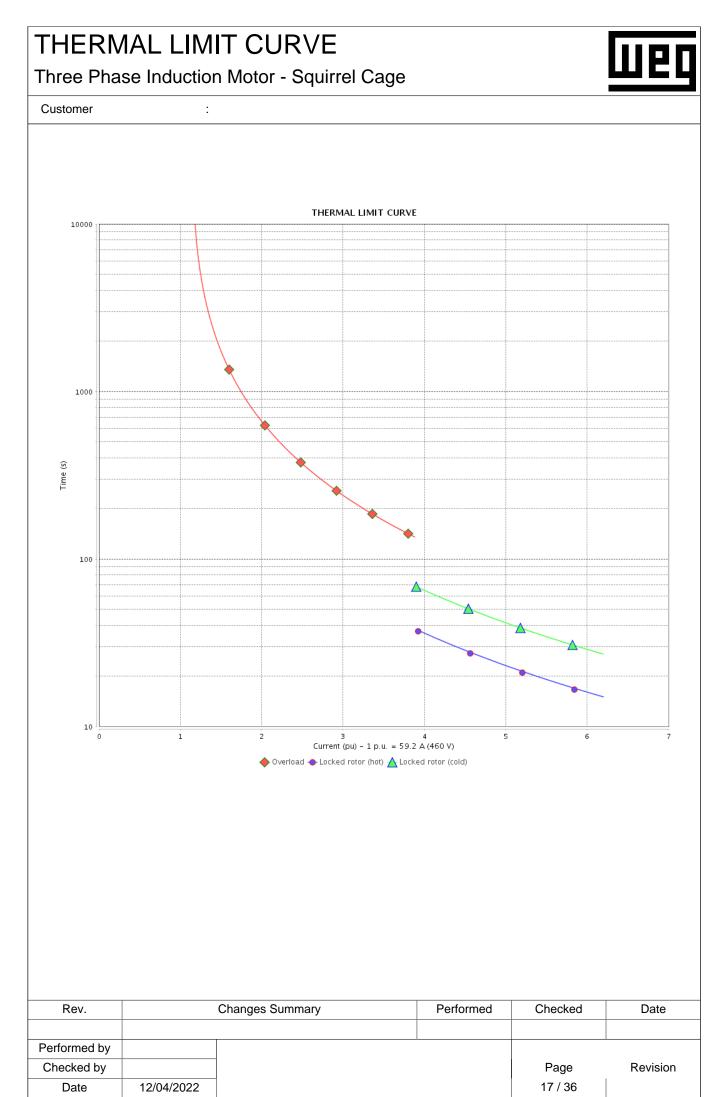
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THERM	HERMAL LIMIT CURVE					
Three Pha	se Induct	ion Motor - Squirrel	Cage			шсц
Customer		:				
Product line		: NEMA Premium Efficiency <sup>·</sup> Phase		Product code : Catalog # :	11431990 05018ST3Q	IE326TC-W22
Performance Rated current LRC Rated torque Locked rotor torc Breakdown torqu Rated speed	ine	: 460 V 60 Hz 4P : 59.2 A : 6.2 : 148 ft.lb : 229 % : 270 % : 1775 rpm	Moment o Duty cycle Insulation Service fa Temperatu Design	class ctor	: 9.16 sq.ft.lb : Cont.(S1) : F : 1.25 : 80 K : B	
Heating constant Cooling constant Rev.		Changes Summary		Performed	Checked	Date

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Three Pha	se Induct	ion Motor - Squirrel	Cage			Шед
Customer		:				
Product line		: NEMA Premium Efficiency Phase	Three-	Product code : Catalog # :	11431990 05018ST3Q	IE326TC-W22
Performance Rated current		: 380 V 50 Hz 4P IE3 : 58.7 A	Moment of	of inertia (J)	: 9.16 sq.ft.lb	
LRC Rated torque Locked rotor toro Breakdown torqu Rated speed		: 6.4 : 142 ft.lb : 229 % : 260 % : 1470 rpm	Duty cycle Insulation Service fa Temperat Design	e class actor	: Cont.(S1) : F : 1.00 : 80 K : B	
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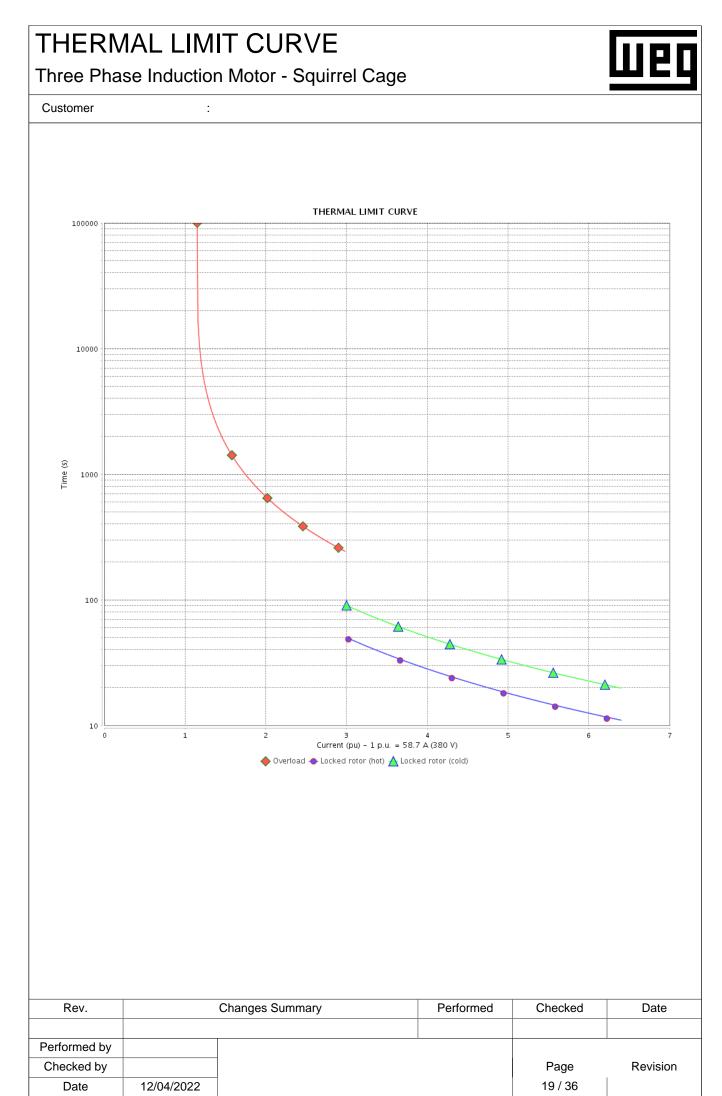
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Three Pha	se Inducti	on Motor - Squirrel	Cage			шсч	
Customer		:					
Product line		: NEMA Premium Efficiency Phase		Product code : Catalog # :	11431990 05018ST3Q	IE326TC-W22	
Performance Rated current		400 V 50 Hz 4P IE3 57.1 A	Moment o	f inertia (J)	: 9.16 sq.ft.lb		
LRC Rated torque Locked rotor torc Breakdown torqu Rated speed	: se : :	7.0 142 ft.lb 250 % 300 % 1475 rpm	Duty cycle Insulation Service fa Temperate Design	e class ictor	: Cont.(S1) : F : 1.00 : 80 K : B		
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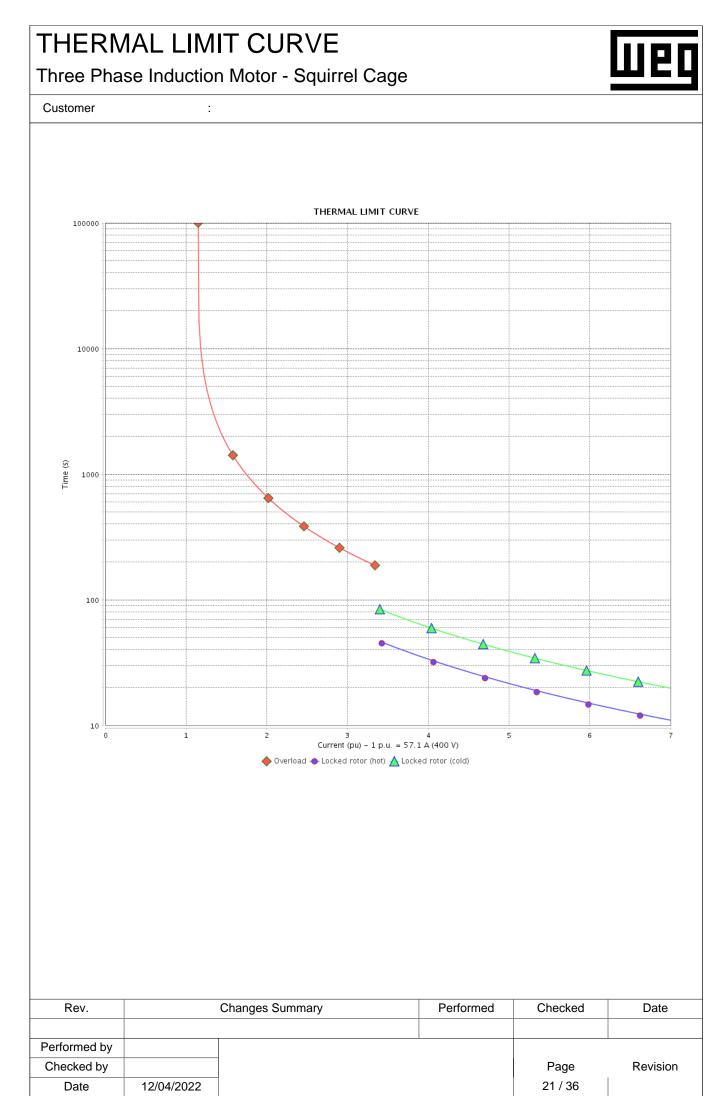
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Three Pha	se Inducti	on Motor - Squirrel	Cage			шсч	
Customer		:					
Product line		: NEMA Premium Efficiency Phase		Product code : Catalog # :	11431990 05018ST3Q	IE326TC-W22	
Performance Rated current		415 V 50 Hz 4P IE3 56.4 A	Moment o	of inertia (J)	: 9.16 sq.ft.lb		
LRC Rated torque Locked rotor toro Breakdown torqu Rated speed	: se : :	7.4 142 ft.lb 260 % 330 % 1478 rpm	Duty cycle Insulation Service fa Temperate Design	e class ictor	: Cont.(S1) : F : 1.00 : 80 K : B		
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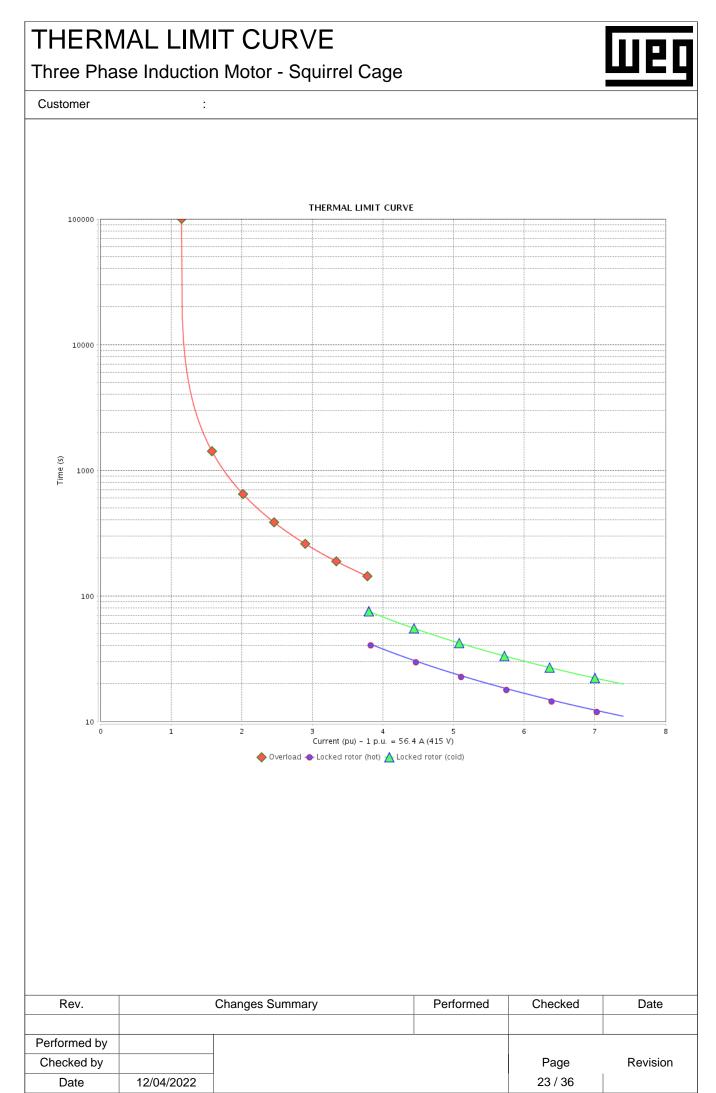
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Customer	:						
Product line		NEMA Premium Efficiency 1	Three-	Product code :	11431990		
	PI	nase		Catalog # :	05018ST3Q	IE326TC-W22	
Performance		30 V 50 Hz 4P IE1					
Rated current LRC Rated torque Locked rotor toro Breakdown torqu Rated speed	: 5. : 18 jue : 18 ie : 21	I.6 A 2 30 ft.lb 30 % 10 % 460 rpm	Moment o Duty cycle Insulation Service fa Temperatu Design	class ctor	: 9.16 sq.ft.lb : Cont.(S1) : F : 1.00 : 105 K : B		
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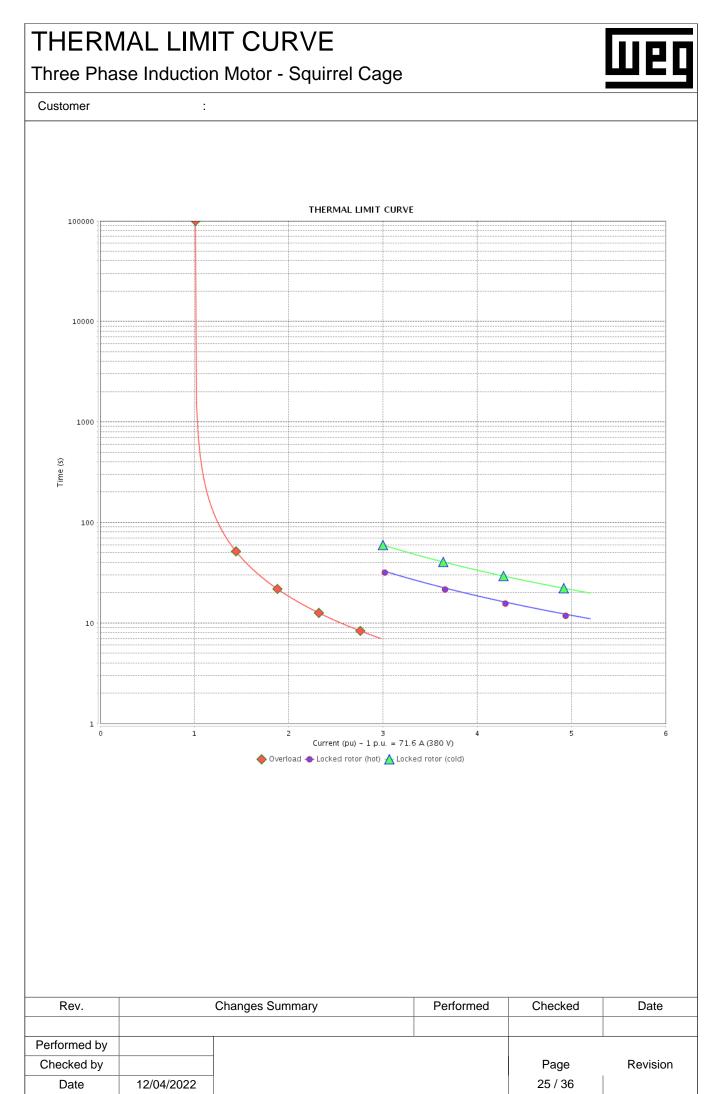
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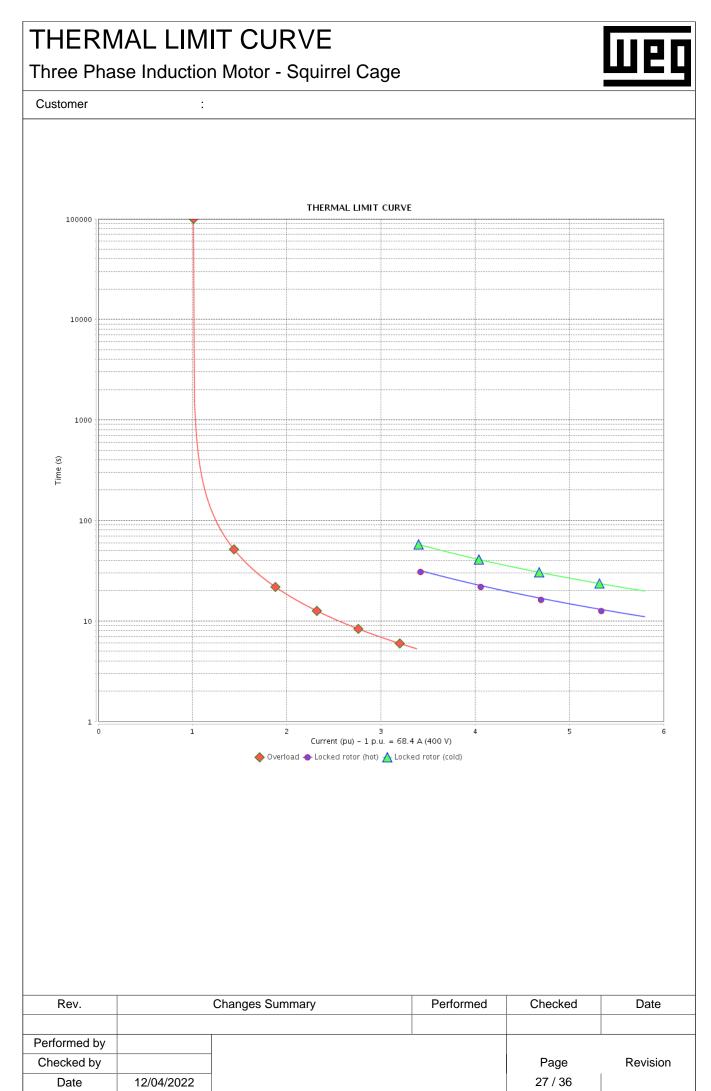
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Customer		:				
Product line		: NEMA Premium Efficiency <sup>·</sup> Phase		Product code : Catalog # :	11431990 05018ST3C	IE326TC-W22
Performance Rated current LRC Rated torque Locked rotor torc Breakdown torqu Rated speed	ine	: 400 V 50 Hz 4P IE2 : 68.4 A : 5.8 : 179 ft.lb : 200 % : 240 % : 1465 rpm	Moment o Duty cycle Insulation Service fa Temperatu Design	class ctor	: 9.16 sq.ft.lb : Cont.(S1) : F : 1.00 : 105 K : B	
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Three Pha	se Inducti	on Motor - Squirrel	Cage			шсч
Customer		:				
Product line		: NEMA Premium Efficiency Phase		Product code : Catalog # :	11431990 05018ST3Q	IE326TC-W22
Performance		415 V 50 Hz 4P IE2	Momont	finantia (1)	: 0 16 og ft lb	
Rated current LRC Rated torque Locked rotor toro Breakdown torqu Rated speed	lne :	66.3 A 6.2 179 ft.lb 210 % 260 % 1470 rpm	Noment of Duty cycle Insulation Service fa Temperat Design	i class actor	: 9.16 sq.ft.lb : Cont.(S1) : F : 1.00 : 105 K : B	
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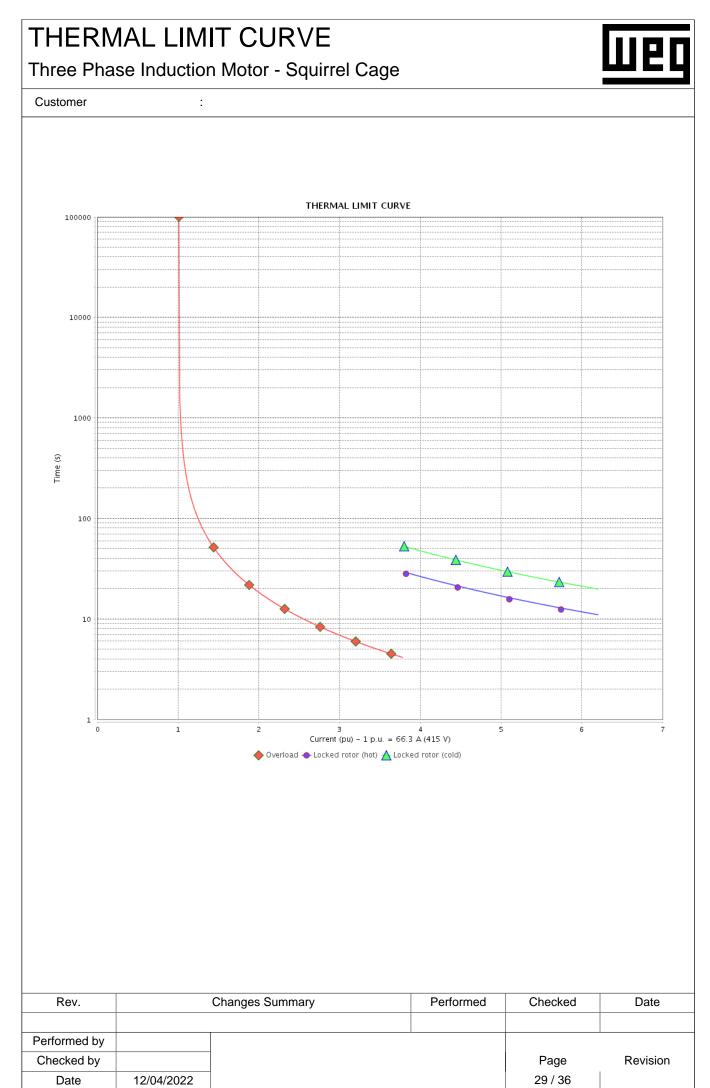
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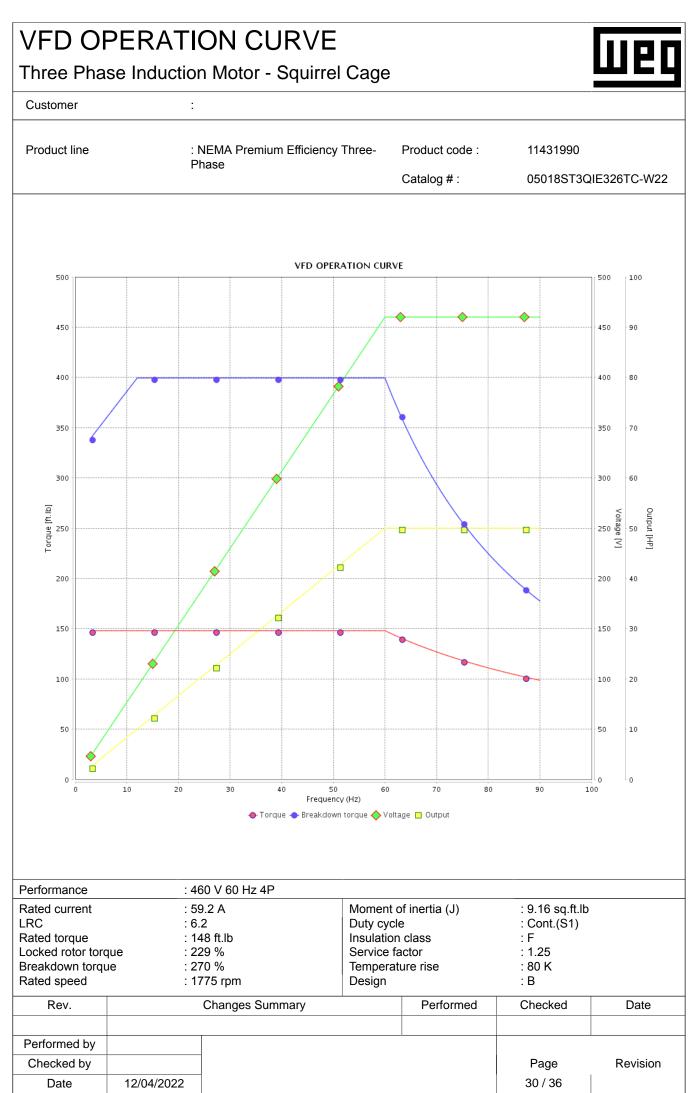
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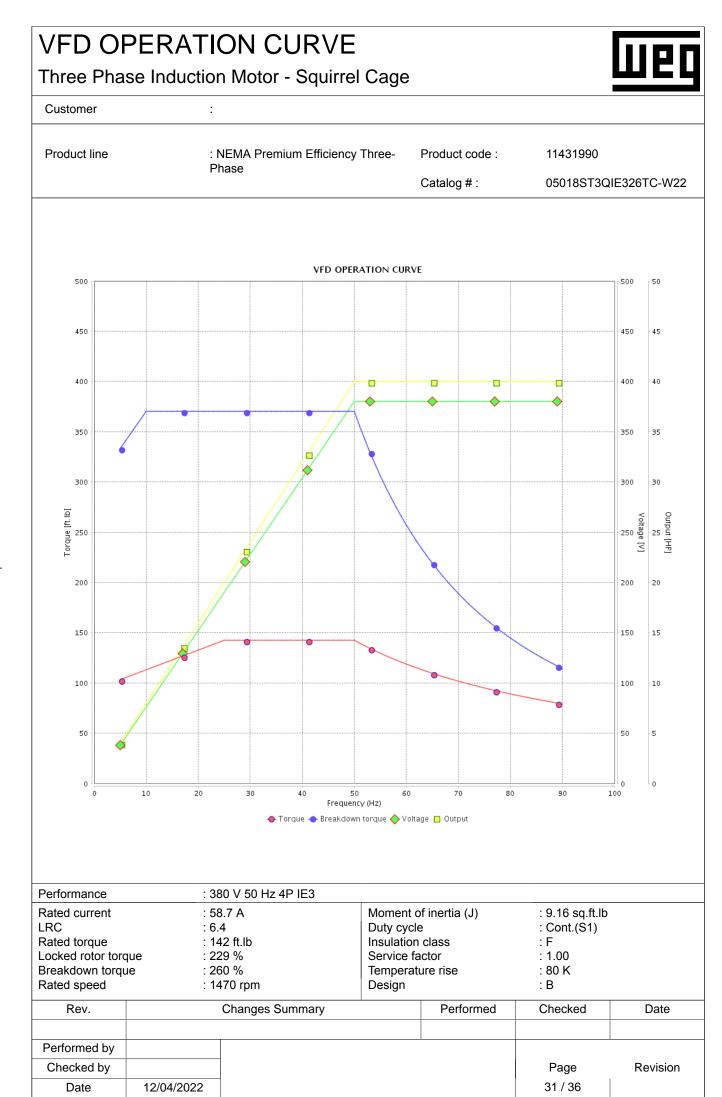
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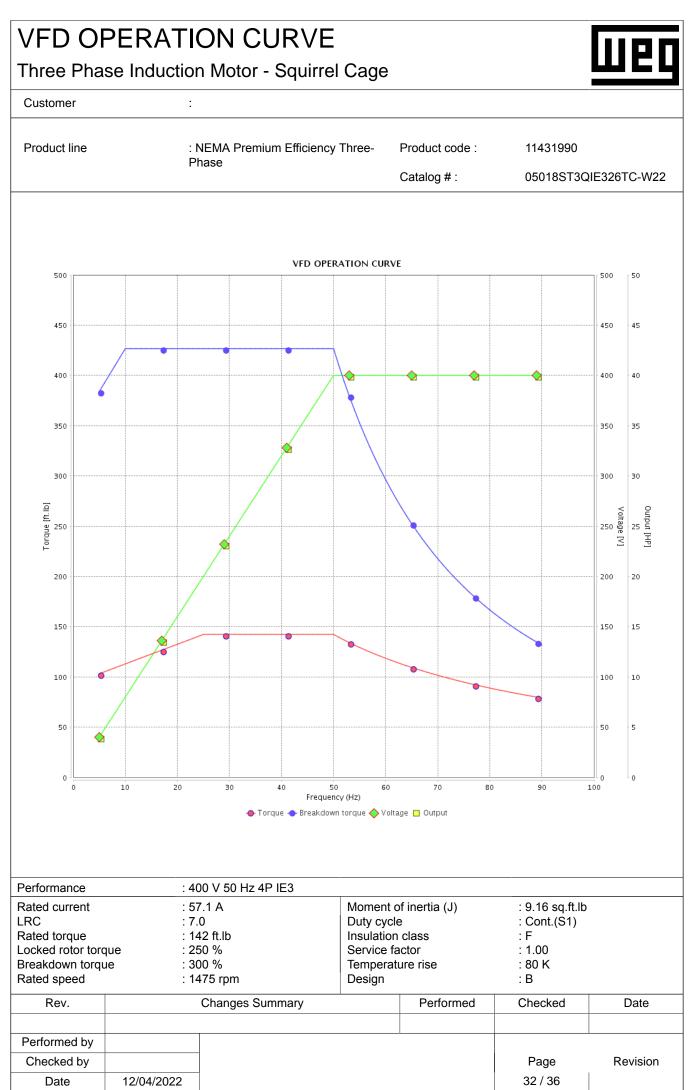
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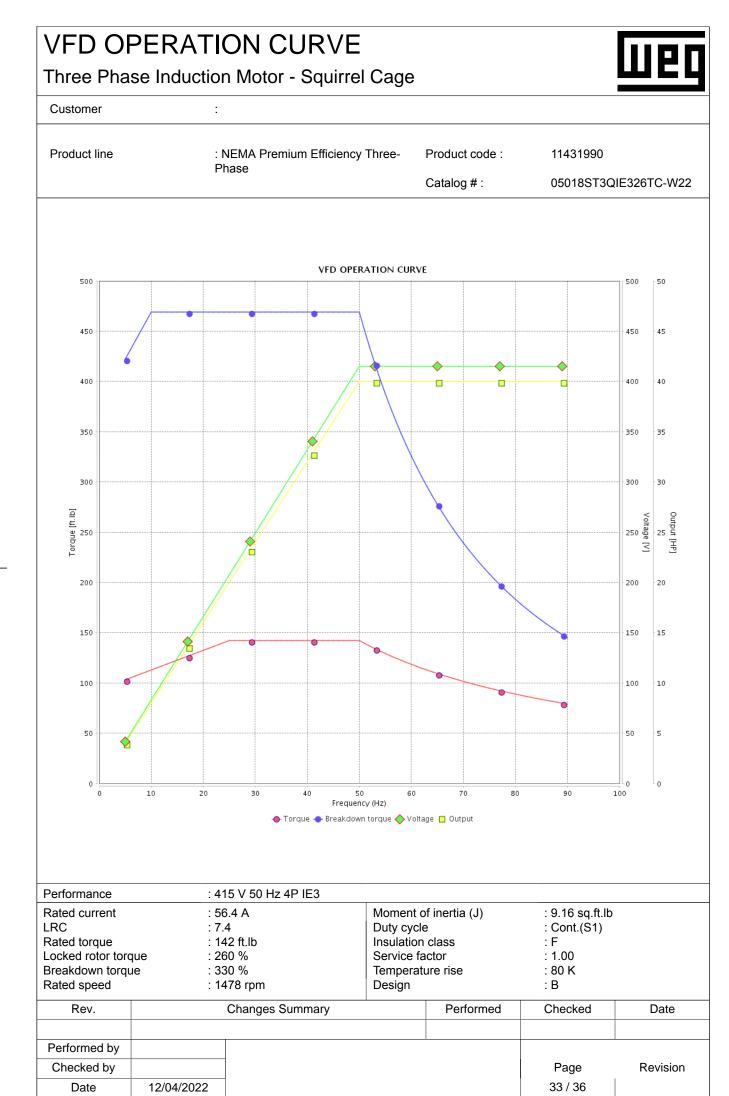
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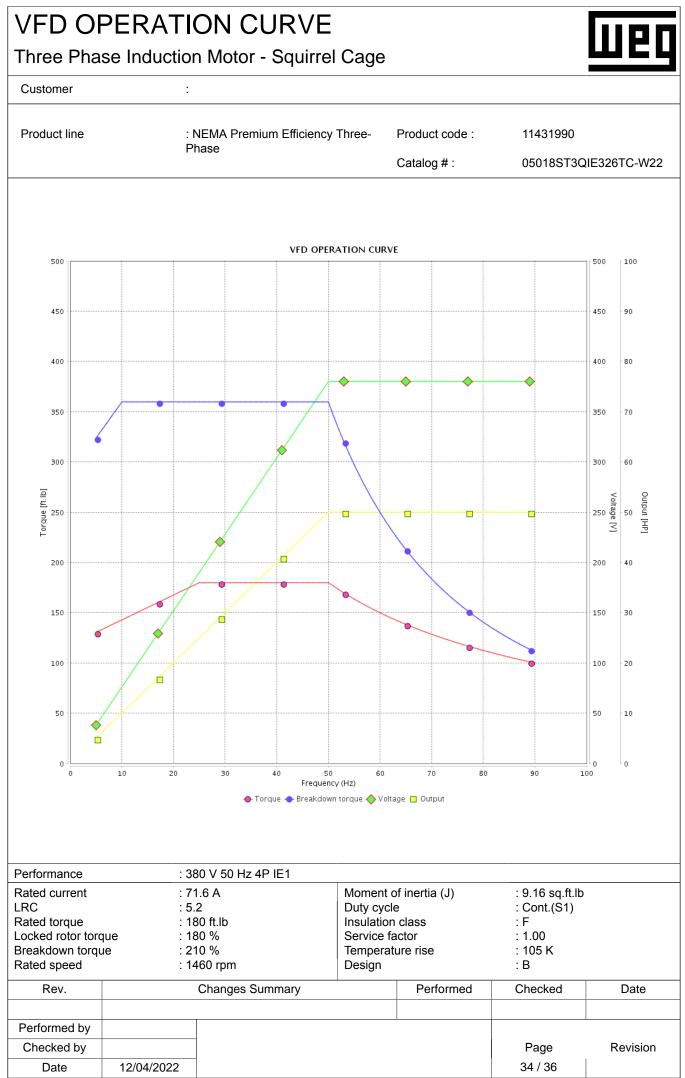


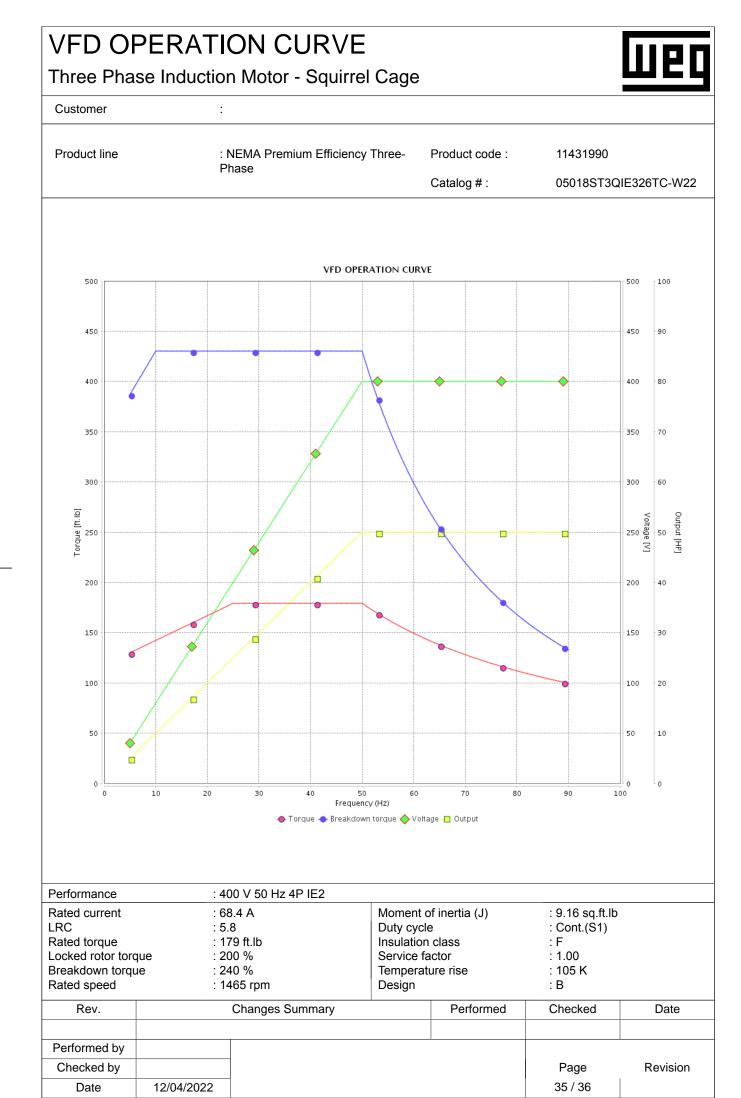


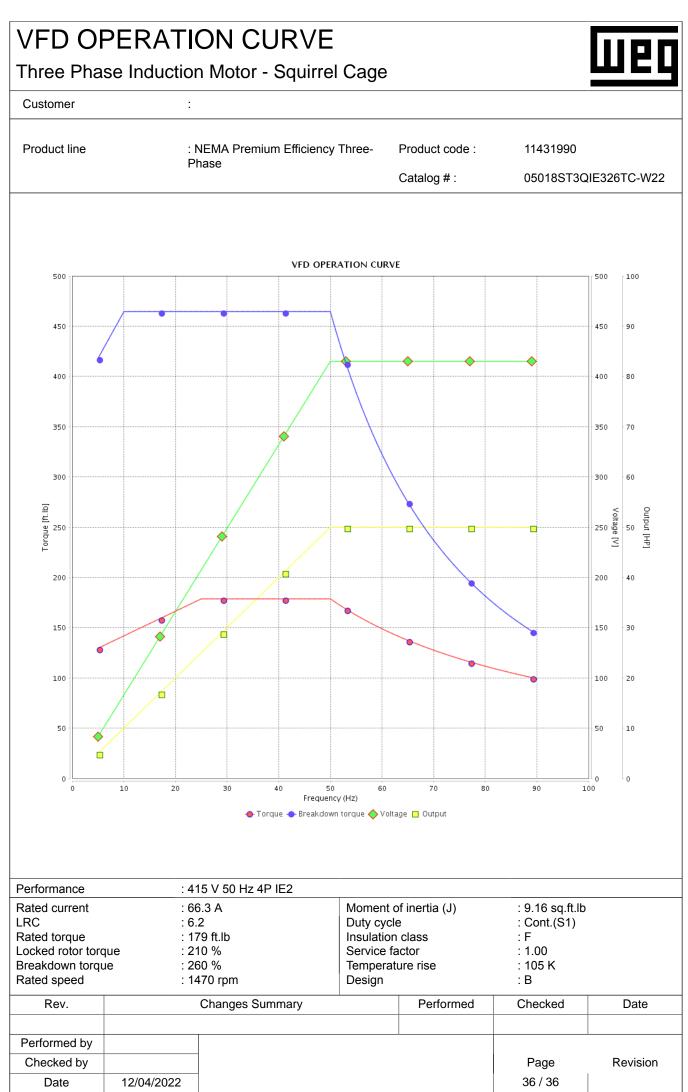


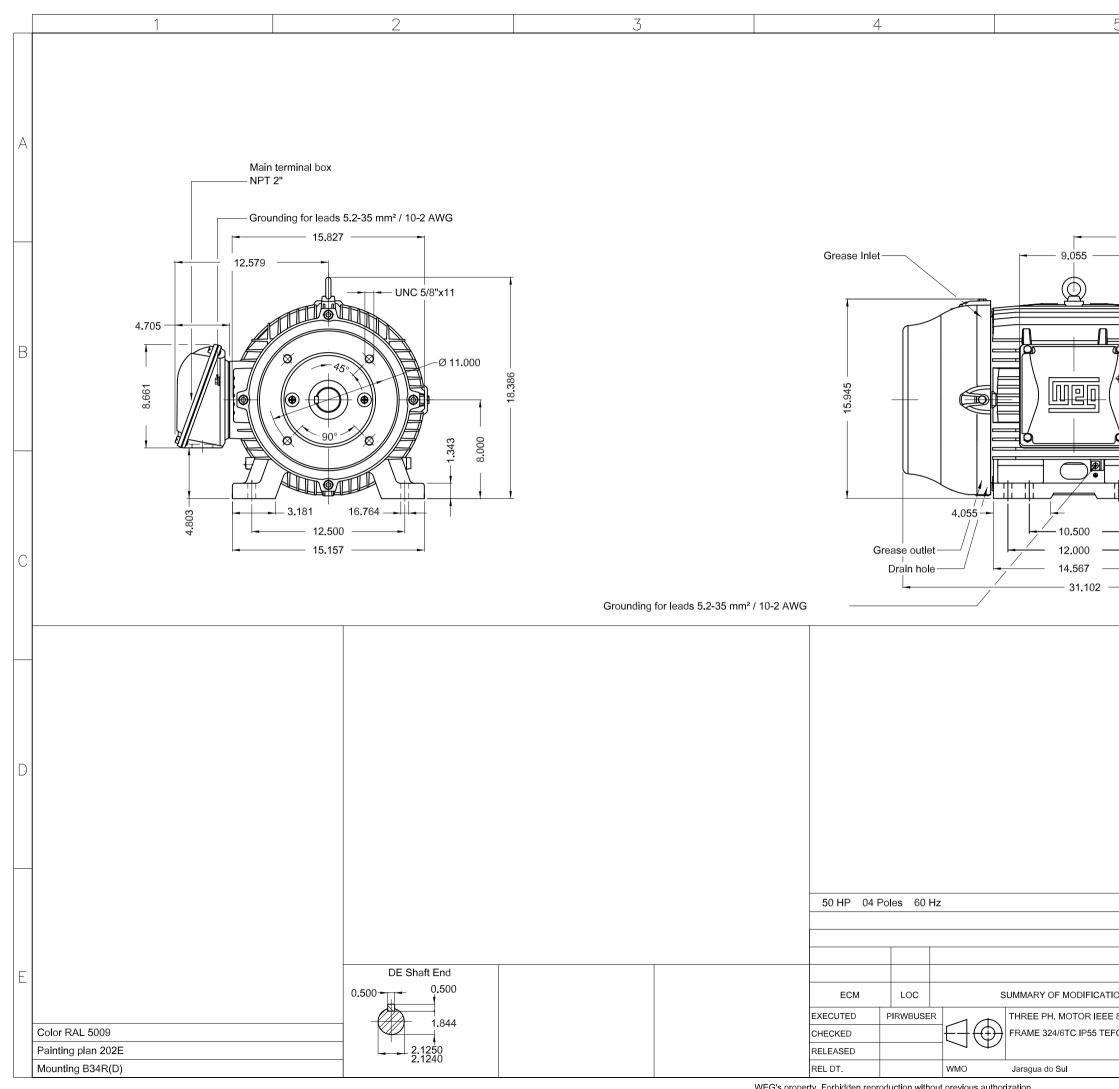












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