# DATA SHEET

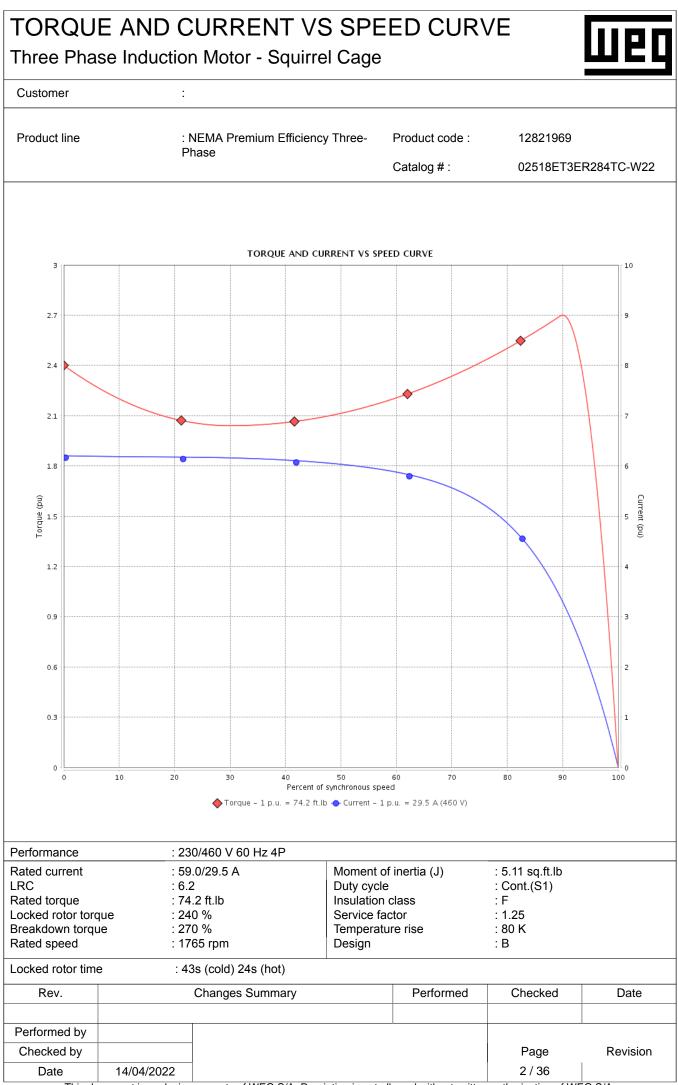
Three Phase Induction Motor - Squirrel Cage

:

#### Customer

Product line		: NEMA Pre Phase	mium Efficier	ncy Three-	Product code	e: 12	821969		
		Phase			Catalog # :	02	518ET3ER28	4TC-W22	
Frame		: 284TC			g method		C411 - TEFC		
Insulation class		: F		Mounti			V-6 Noth (C)M and	00140	
Duty cycle Ambient tempera	aturo	: Cont.(S1) : -20°C to +	40°C	Rotatio	g method		Both (CW and Direct On Line		
Altitude	ature	: 1000 m.a.s			k. weight <sup>3</sup>		21 lb		
Protection degre		: IP55	5.1.		nt of inertia (J)		5.11 sq.ft.lb		
Design		: B		Wienner					
Dutput [HP]		25	20	20	20	25	25	25	
Poles		4	4	20	20	25 4	25 4		
Frequency [Hz]		60	50	50	50	50	50	-	
Rated voltage [V]		230/460	380	400	415	380	400		
Rated current [A]		59.0/29.5	29.1	28.2	27.5	35.6	34.0		
. R. Amperes [A]		366/183	175	189	198	174	187	196	
.RC [A]		6.2x(Code G)		6.7x(Code H)	7.2x(Code J)	4.9x(Code F)	5.5x(Code F)	5.9x(Code	
No load current [A	1	21.0/10.5	10.4	11.1	11.6	10.4	11.1	,	
Rated speed [RPI		1765	1465	1470	1470	1445	1455		
Slip [%]	•1	1.94	2.33	2.00	2.00	3.67	3.00		
Rated torque [ft.lb	1	74.2	71.4	71.3	71.2	90.2	89.9		
Locked rotor torqu		240	229	260	290	180	210		
Breakdown torque		270	260	300	330	210	240		
Service factor	1	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	80 K	
ocked rotor time		43s (cold) 24s (hot)	32s (cold) 18s (hot)	32s (cold) 18s (hot)	32s (cold) 18s (hot)	32s (cold) 18s (hot)	32s (cold) 18s (hot)	32s (cold)	
Noise level <sup>2</sup>		63.0 dB(A)	61.0 dB(A)	61.0 dB(A)	61.0 dB(A)	61.0 dB(A)	61.0 dB(A)	. ,	
	25%	91.7	91.1	91.0	90.8	92.2	92.2		
Efficiency (%)	50%	92.4	91.3	91.3	91.2	92.4	92.4	92.4	
	75%	93.0	92.1	92.5	92.5	91.7	92.4	92.4	
	100%	93.6	92.1	92.6	92.7	91.7	92.4	G) 11.6 1460 2.67 89.6 229 260 1.00 80 K 1) 32s (cold) 18s (hot) A) 61.0 dB(A) 92.2 92.4	
	25%	0.46	0.45	0.42	0.39	0.53	0.49	0.46	
Power Factor	50%	0.70	0.69	0.65	0.62	0.76	0.73	0.70	
FUWEI FACIUI	75%	0.80	0.80	0.78	0.75	0.84	0.82	25 4 50 415 33.2 196 F) 5.9x(Code G) 11.6 1460 2.67 89.6 229 260 1.00 80 K d) 32s (cold t) 18s (hot) A) 61.0 dB(A 92.2 92.4 92.4 92.4 92.4 92.4 0.46 0.70 0.80 0.84	
	100%	0.84	0.85	0.83	0.82	0.86	0.85	0.84	
		Drive end	Non drive	end Founda	tion loads				
Bearing type		: 6311 C3	6211 (	C3   Max. tra	action	: 80	09 lb		
Sealing		: V'Ring	V'Rin	g Max. co	mpression	: 12	: 1230 lb		
Lubrication inter	val	: 15000 h	17000	h					
Lubricant amour	nt	: 18 g	11 g						
Lubricant type		: Mobi	I Polyrex EM						
Notes USABLE @208∨	′ 65.2A SF 1.	.15 SFA 75.0A							
This revision repl must be eliminate (1) Looking the m (2) Measured at (3) Approximate manufacturing pr	ed. notor from the 1m and with t weight subjee	e shaft end. tolerance of +3	dB(A).				n tests with si nces stipulated		
(4) At 100% of fu									
		Changes	Summary		Performe	ed Che	ecked	Date	
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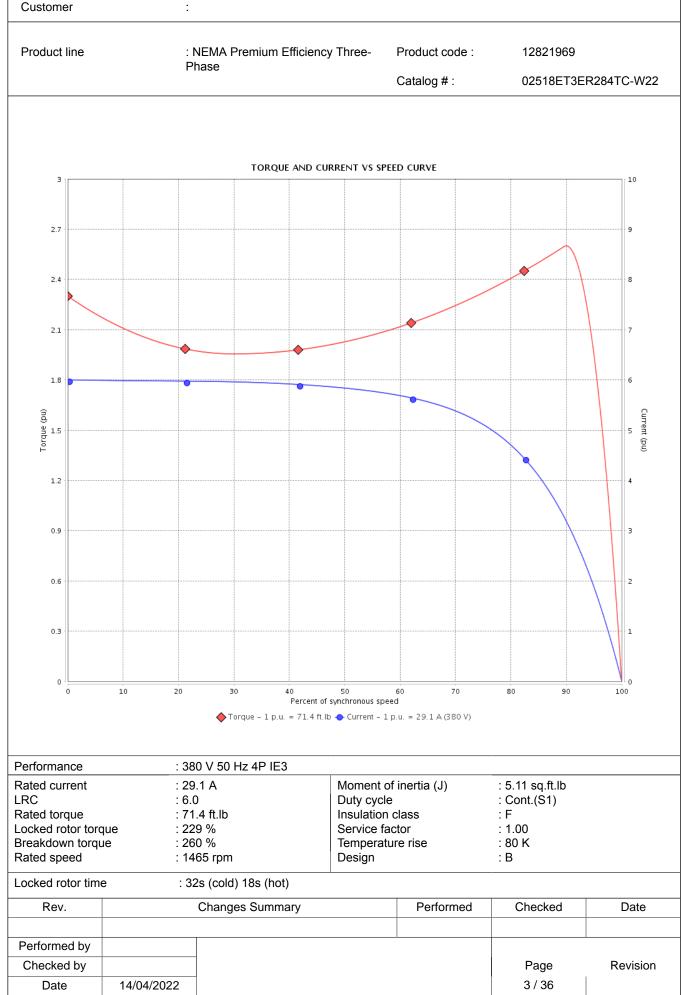
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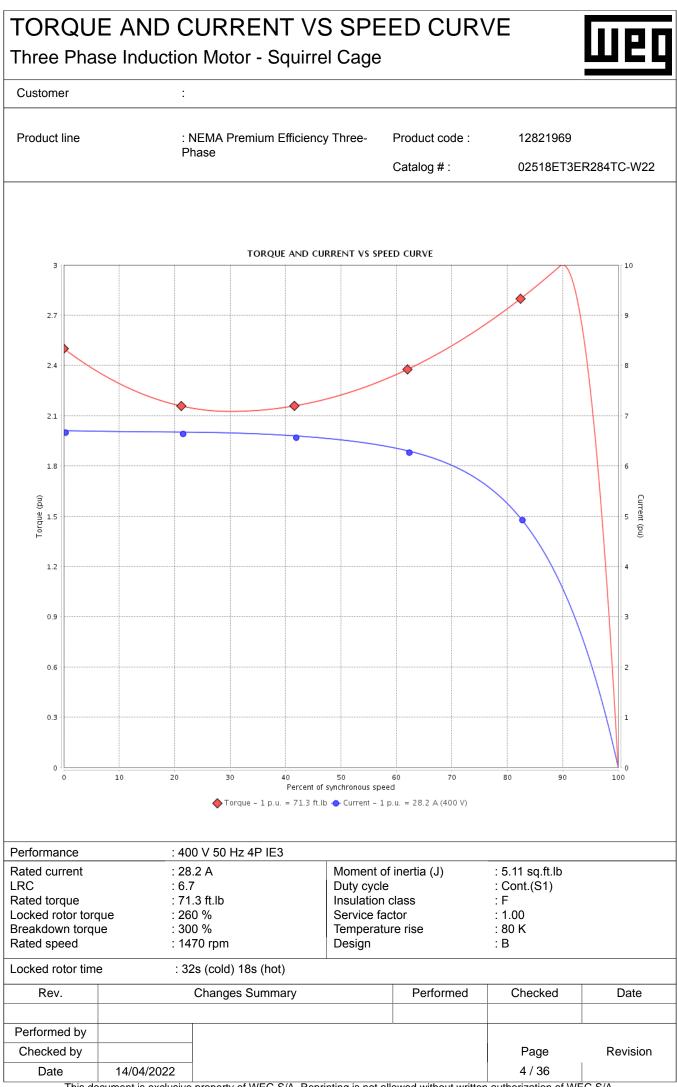
### TORQUE AND CURRENT VS SPEED CURVE

Three Phase Induction Motor - Squirrel Cage

Customer



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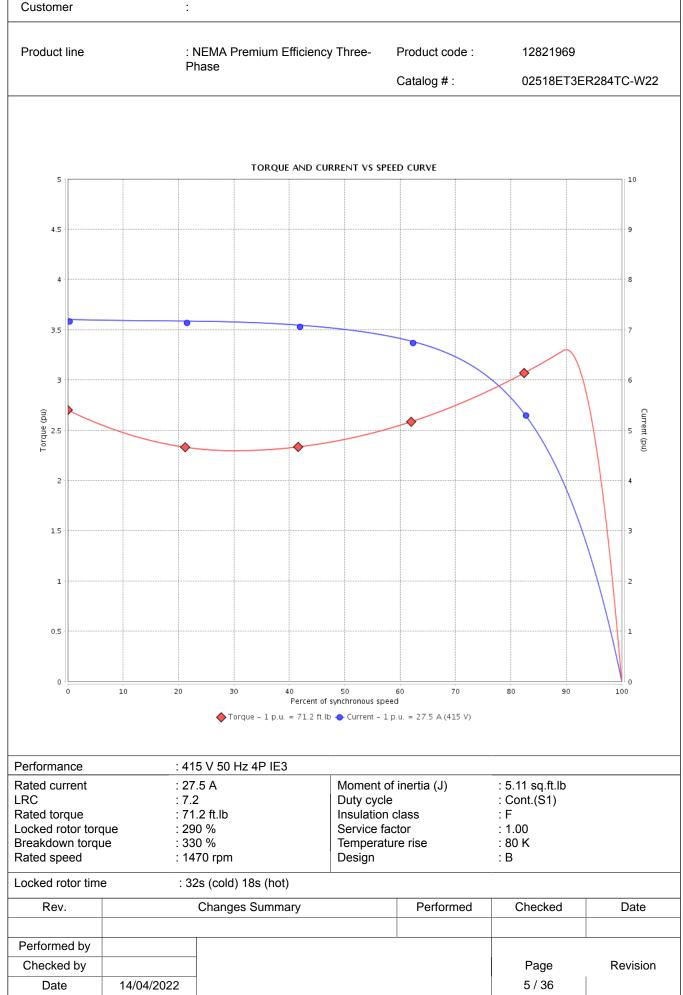


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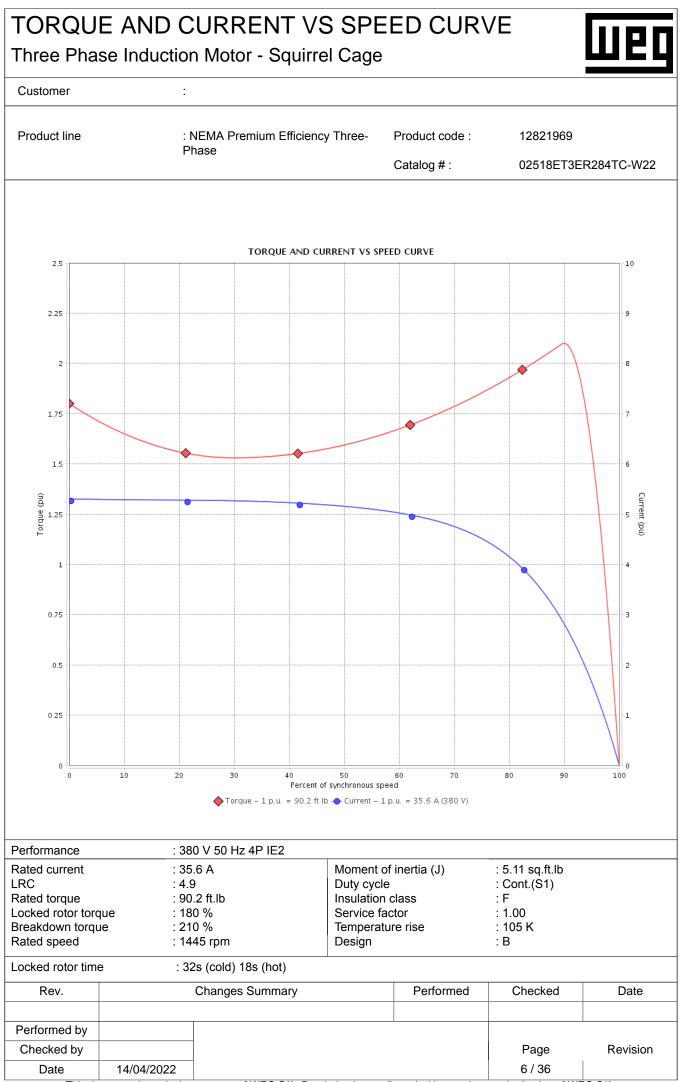
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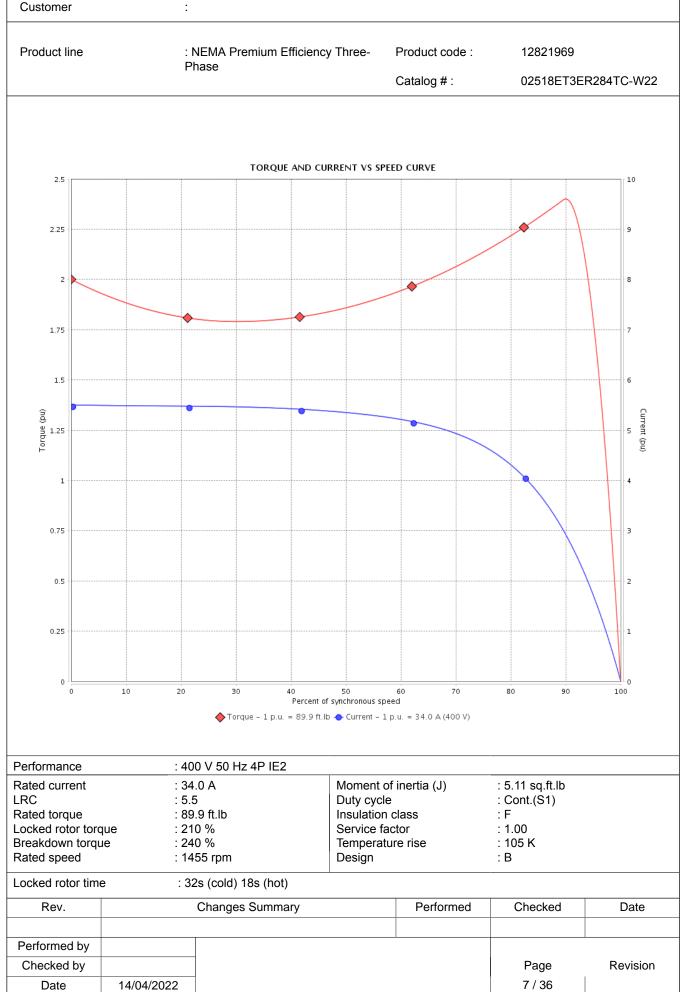
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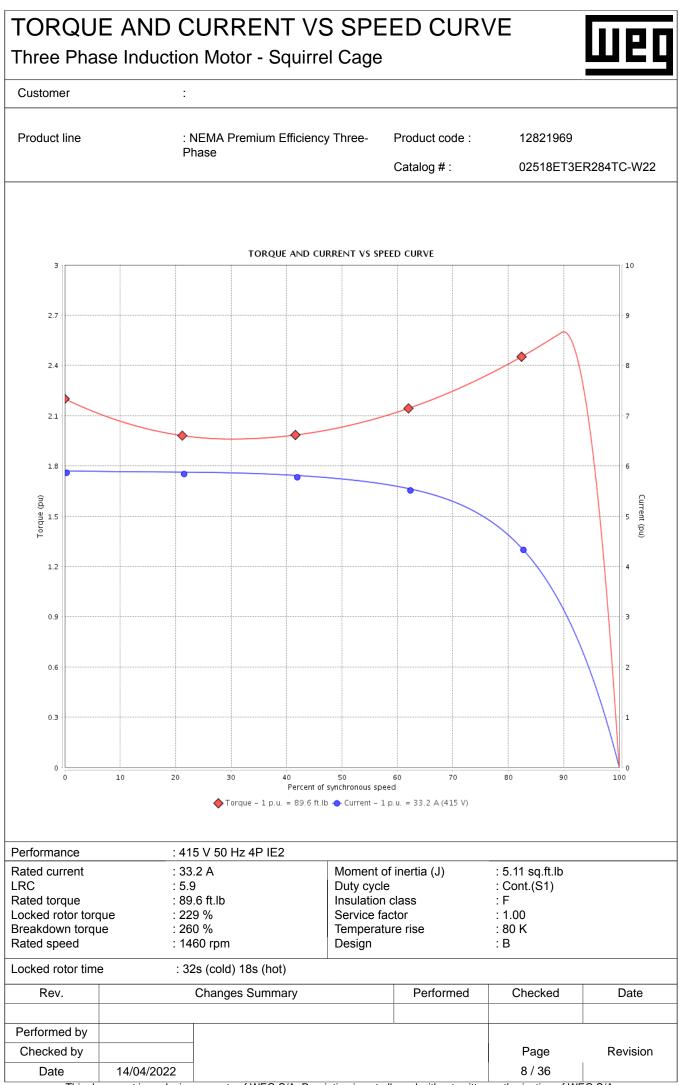
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Three Phase Induction Motor - Squirrel Cage

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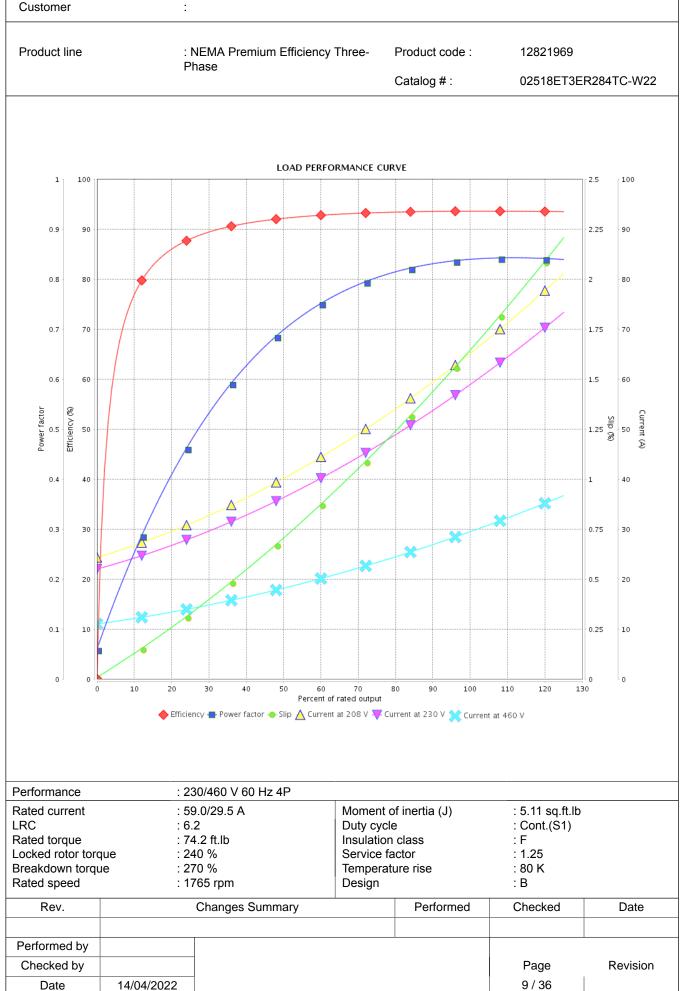


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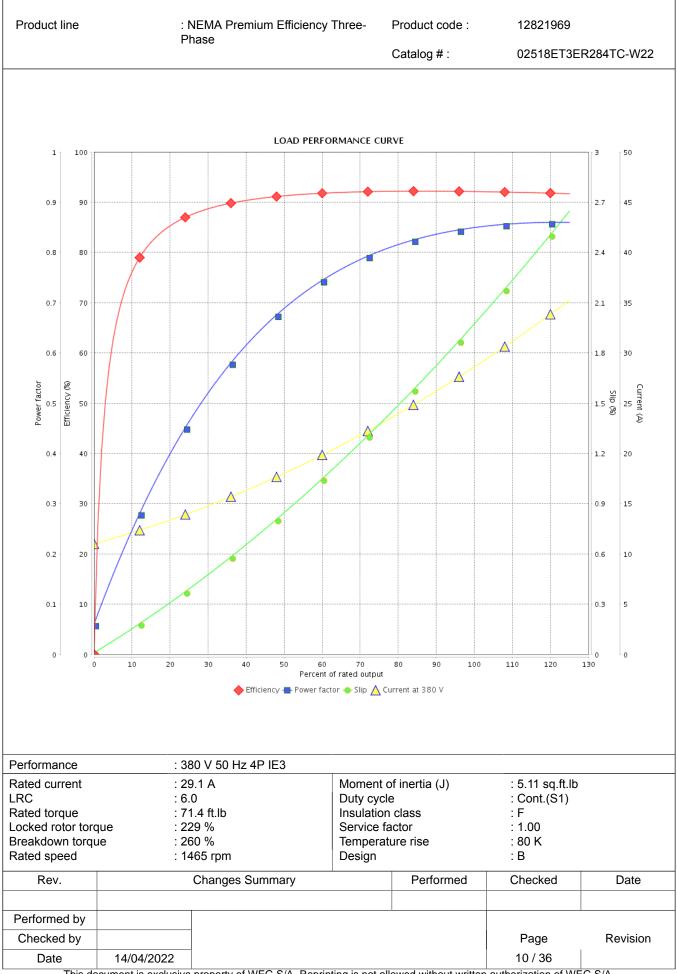
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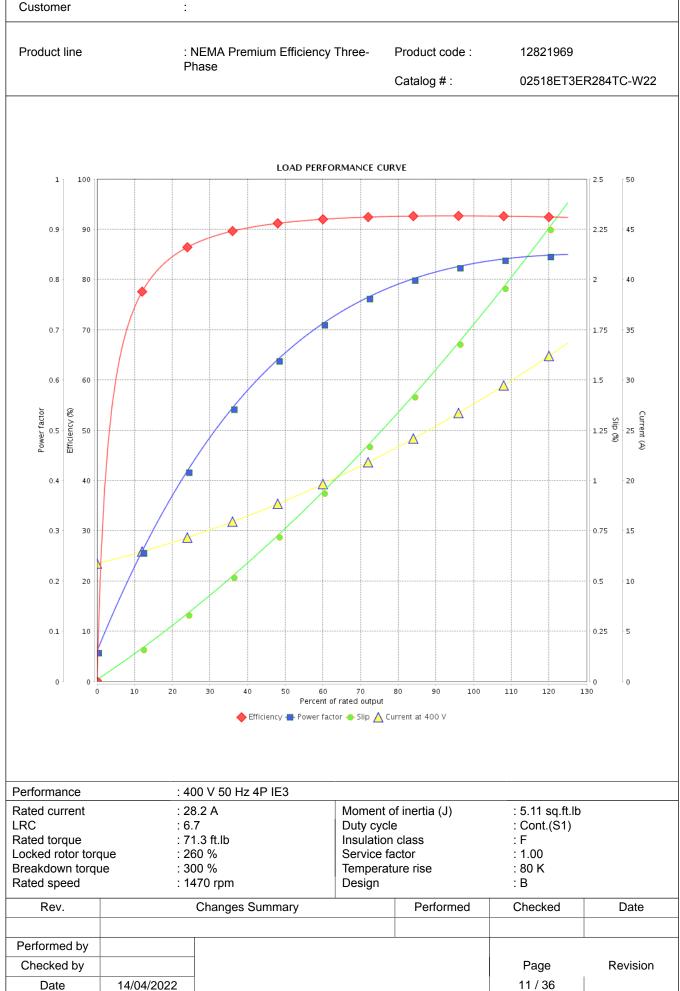


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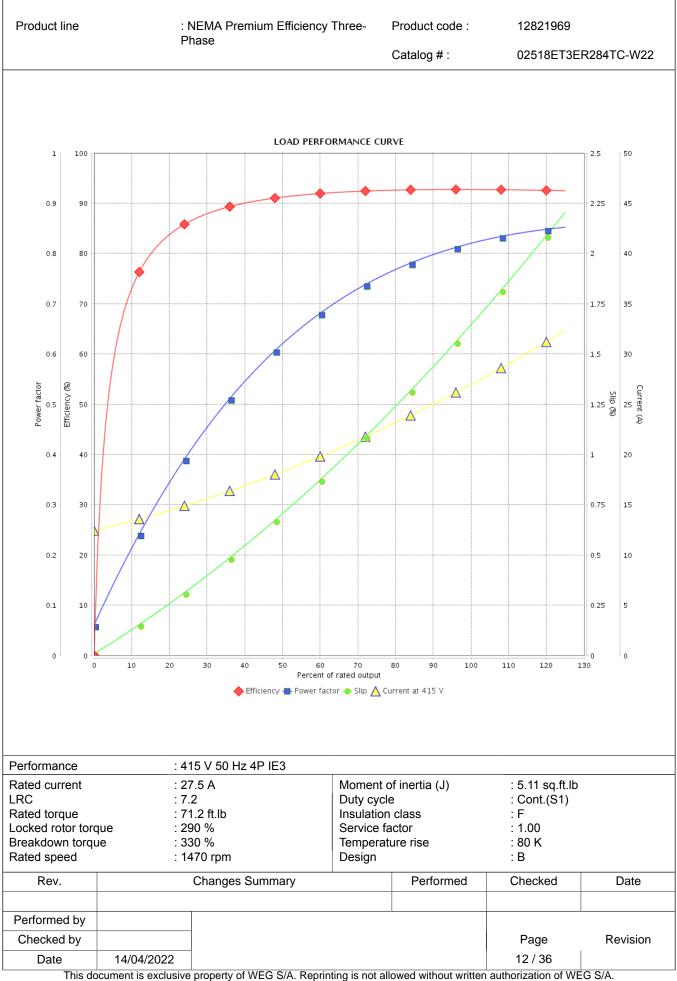
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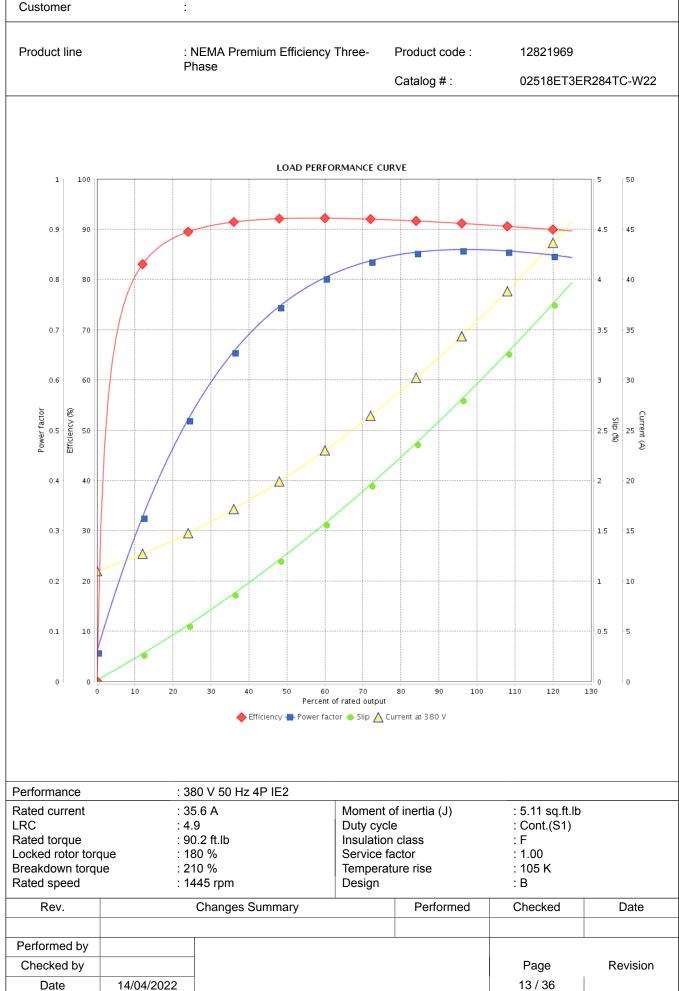


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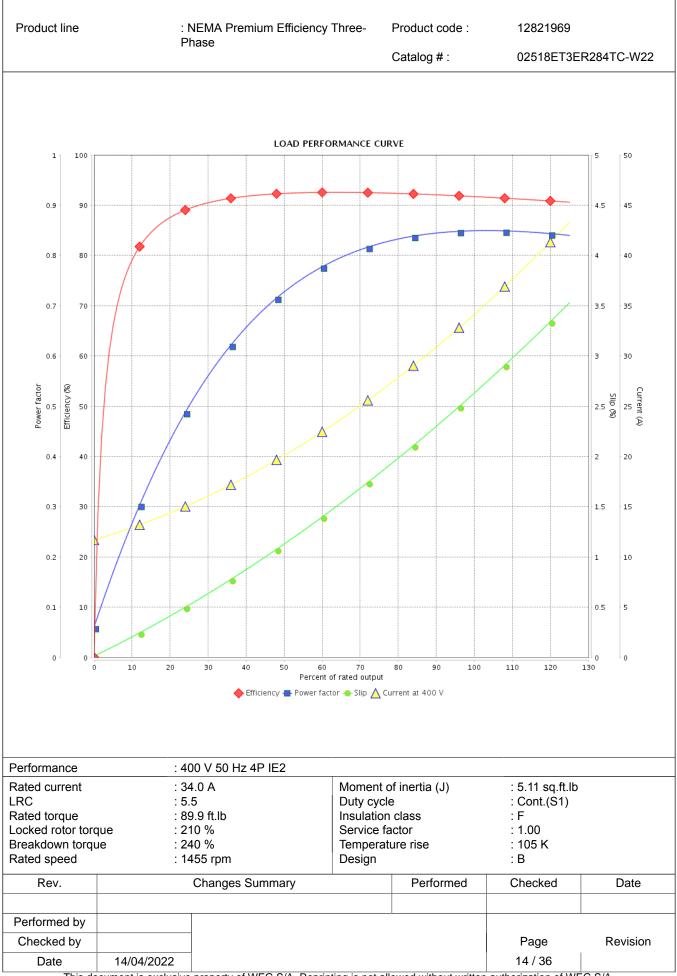
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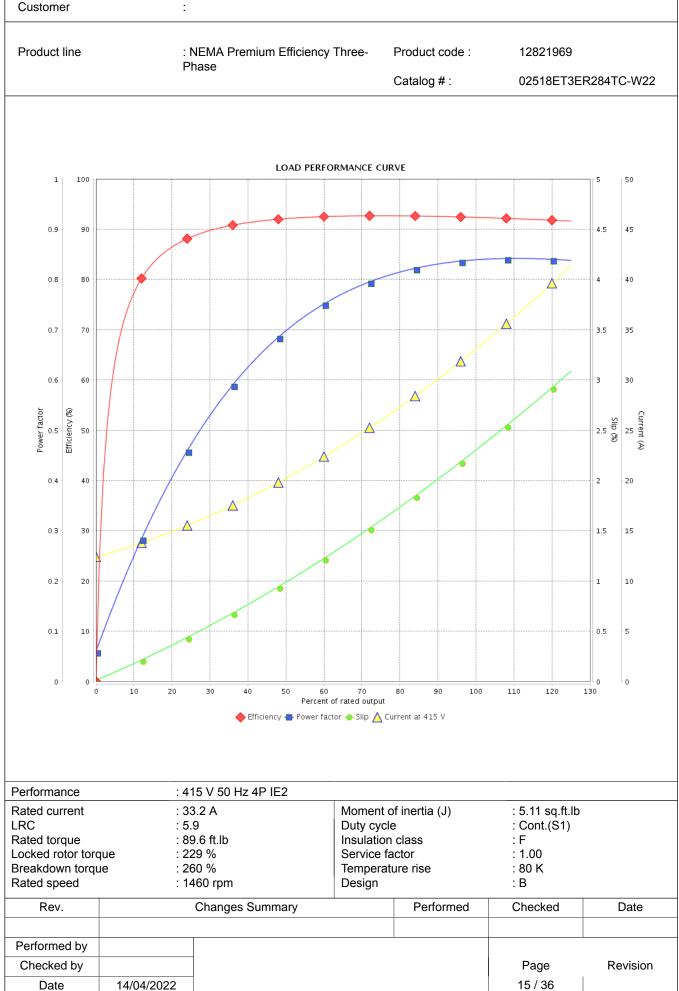


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Three Phase Induction Motor - Squirrel Cage

#### Customer



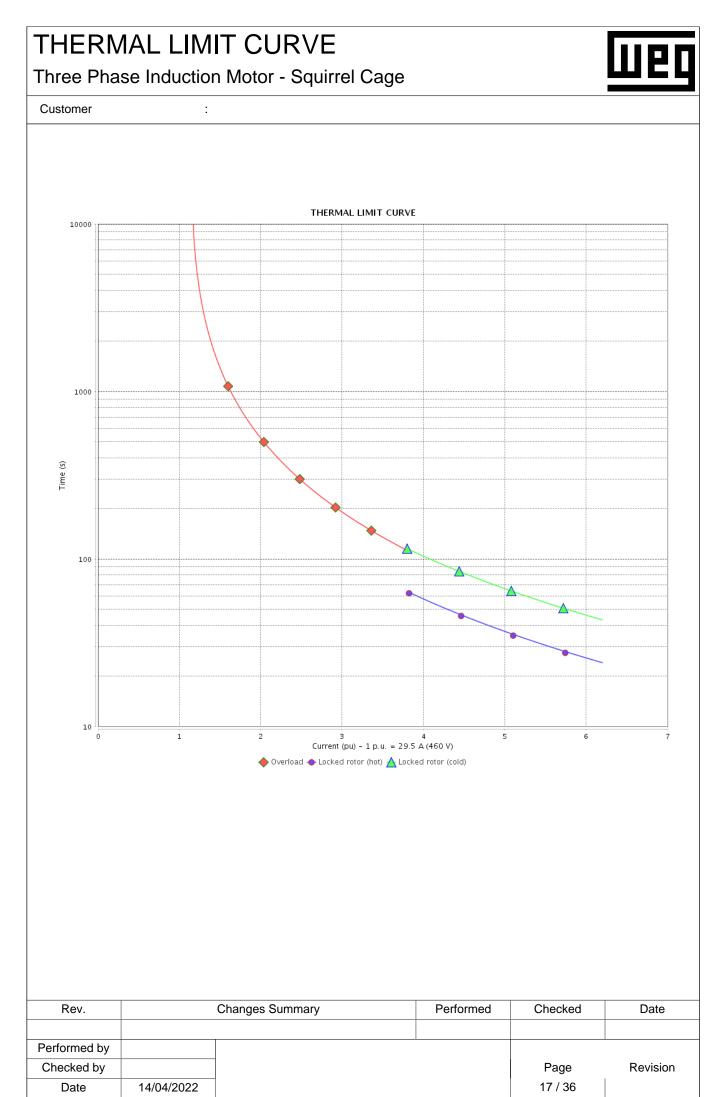
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Three Pha	se Inductio	n Motor - Squirrel	Cage			шсч
Customer	:					
Product line		NEMA Premium Efficiency <sup>-</sup> hase		Product code : Catalog # :	12821969 02518ET3EF	8284TC-W22
Performance Rated current		30/460 V 60 Hz 4P 9.0/29.5 A	Moment o	f inertia (.I)	: 5.11 sq.ft.lb	
LRC:Rated torque:Locked rotor torque:Breakdown torque:		.2 4.2 ft.lb 40 % 70 % 765 rpm	Moment of inertia (J) Duty cycle Insulation class Service factor Temperature rise Design		: Cont.(S1) : F : 1.25 : 80 K : B	
Heating constant						
Cooling constant Rev.	t	Changes Summary		Performed	Checked	Date
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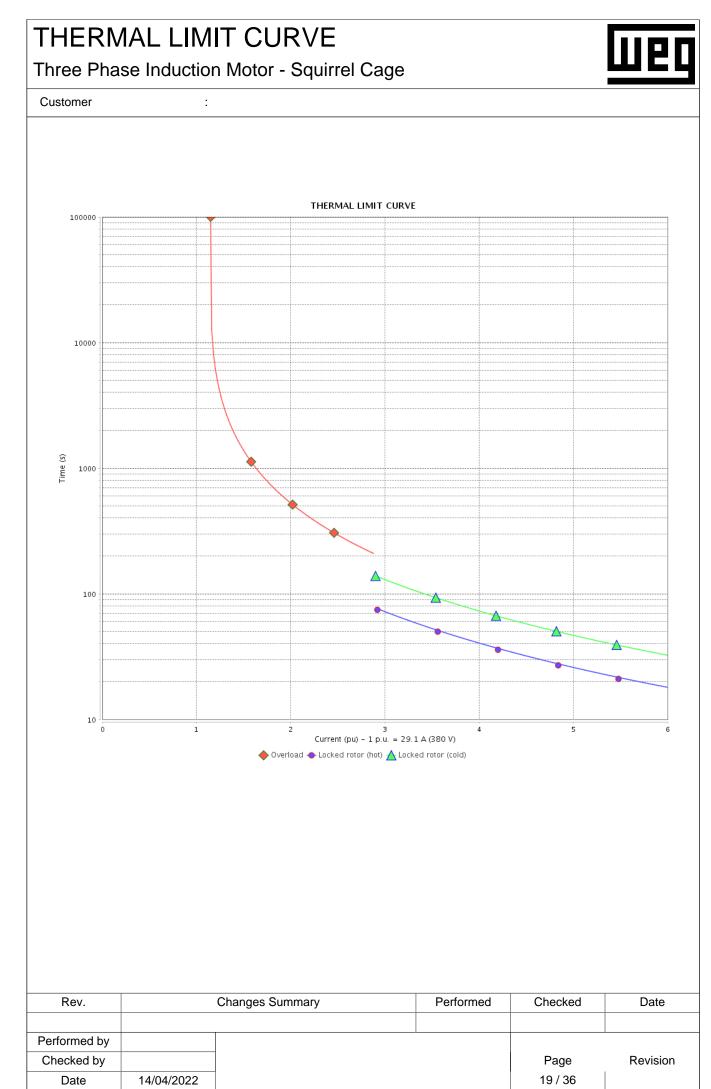


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Three Pha	se Inductio	n Motor - Squirrel	Cage			шсч
Customer	:					
Product line		NEMA Premium Efficiency <sup>-</sup> hase		Product code : Catalog # :	12821969 02518ET3EF	284TC-W22
Performance Rated current		80 V 50 Hz 4P IE3 9.1 A	Moment o	f inertia (J)	: 5.11 sq.ft.lb	
LRC:Rated torque:Locked rotor torque:Breakdown torque:		9.1 A .0 1.4 ft.lb 29 % 60 % 465 rpm	Moment of inertia (J) Duty cycle Insulation class Service factor Temperature rise Design		: Cont.(S1) : F : 1.00 : 80 K : B	
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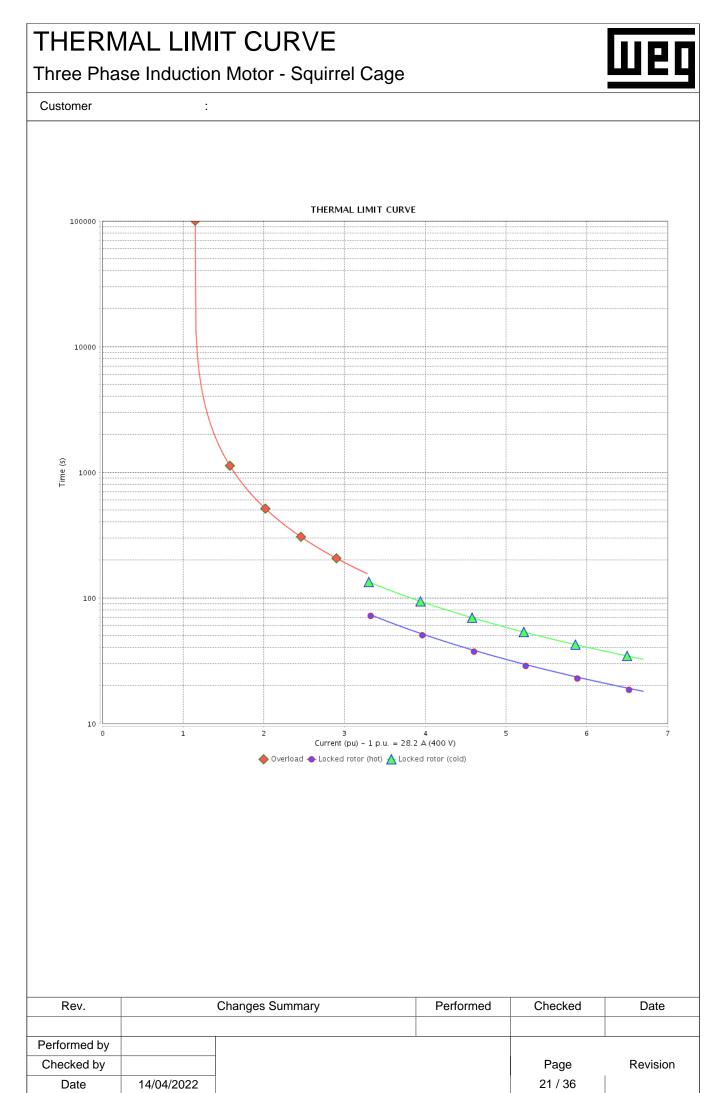


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Three Pha	se Inductio	n Motor - Squirrel	Cage			шсч
Customer	:					
Product line		NEMA Premium Efficiency <sup>·</sup> hase		Product code : Catalog # :	12821969 02518ET3EF	2284TC W/22
					02510E13EF	20410-1122
<b>D</b> (						
Performance Rated current		00 V 50 Hz 4P IE3 8.2 A	Moment o	f inertia (J)	: 5.11 sq.ft.lb	
LRC Rated torque Locked rotor torque Breakdown torque		.7 1.3 ft.lb 60 % 00 % 470 rpm	Moment of inertia (J) Duty cycle Insulation class Service factor Temperature rise Design		: Cont.(S1) : F : 1.00 : 80 K : B	
Heating constant	t					
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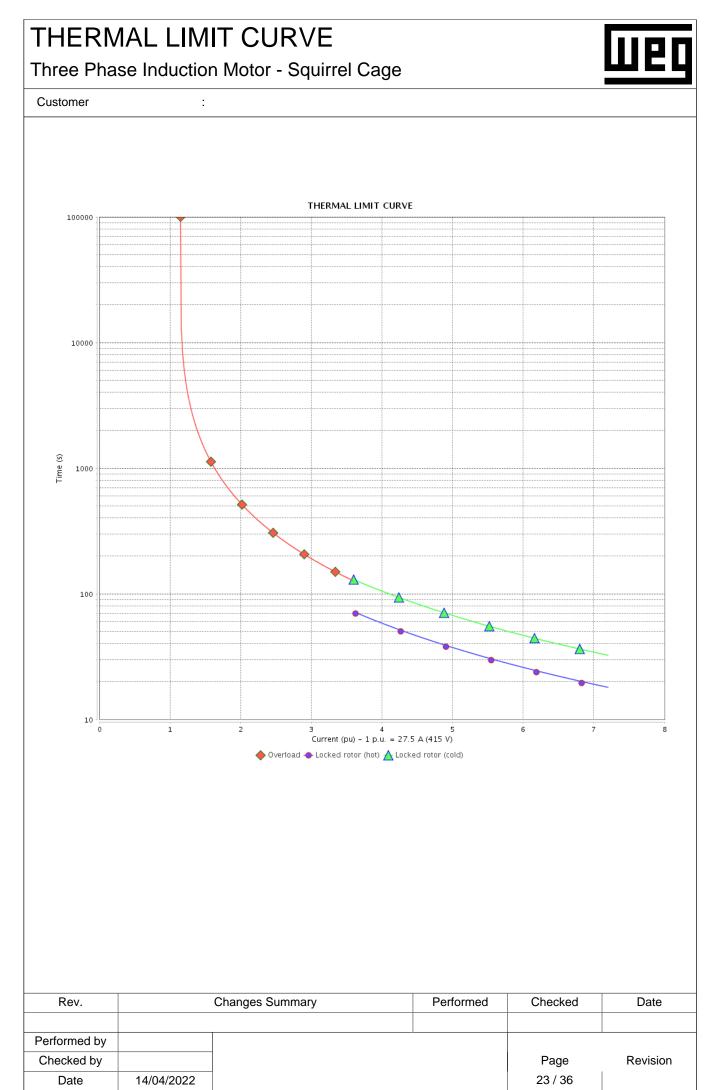


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Three Pha	se Inductio	n Motor - Squirrel	Cage			шсц
Customer	:					
Product line		: NEMA Premium Efficiency Three- Phase		Product code :	12821969	
				Catalog # :	02518ET3EF	R2841C-W22
Performance	: 4	15 V 50 Hz 4P IE3				
Rated current LRC Rated torque Locked rotor toro Breakdown torqu Rated speed Heating constant	: 2 : 7 : 7 : 7 : 7 : 7 : 7 : 2 : 8 : 1	7.5 A	Moment o Duty cycle Insulation Service fa Temperatu Design	class ctor	: 5.11 sq.ft.lb : Cont.(S1) : F : 1.00 : 80 K : B	
Cooling constant				· · · · ·		
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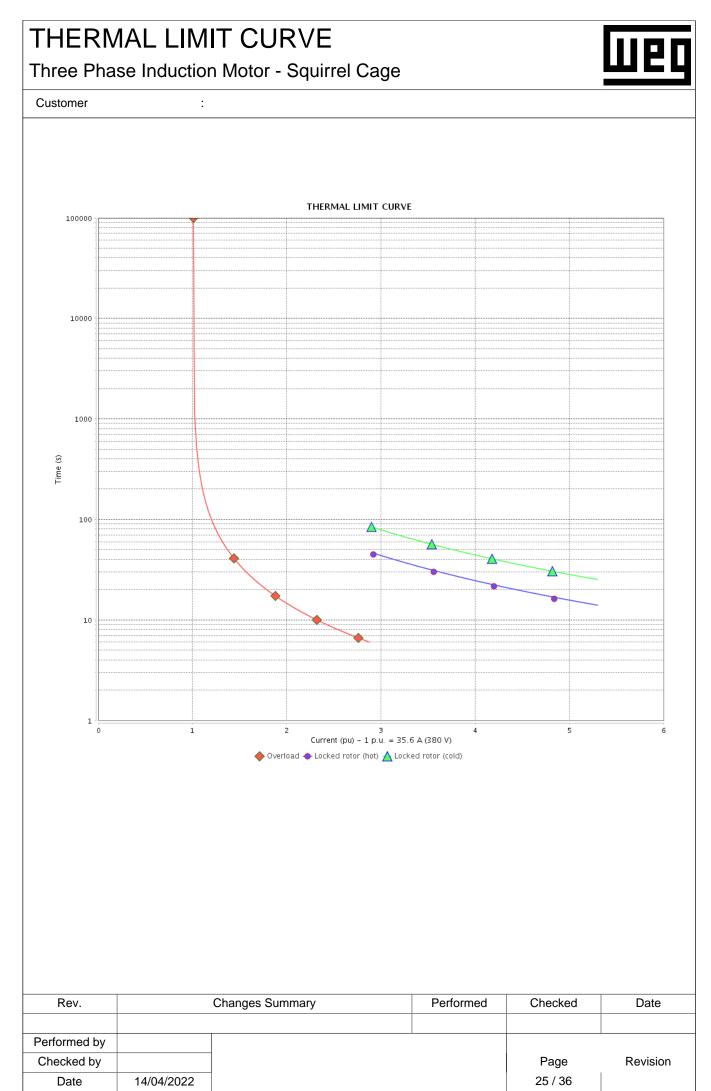


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Three Pha	se Inductio	n Motor - Squirrel	Cage			
Customer	:					
Product line		NEMA Premium Efficiency <sup>-</sup> hase	Three-	Product code :	12821969	
				Catalog # :	02518ET3EF	R284TC-W22
Performance		80 V 50 Hz 4P IE2				
Rated current LRC Rated torque Locked rotor toro Breakdown torqu Rated speed	: 4 : 9 que : 1 ue : 2	5.6 A .9 0.2 ft.lb 80 % 10 % 445 rpm	Moment o Duty cycle Insulation Service fa Temperatu Design	class ctor	: 5.11 sq.ft.lb : Cont.(S1) : F : 1.00 : 105 K : B	
Heating constant						
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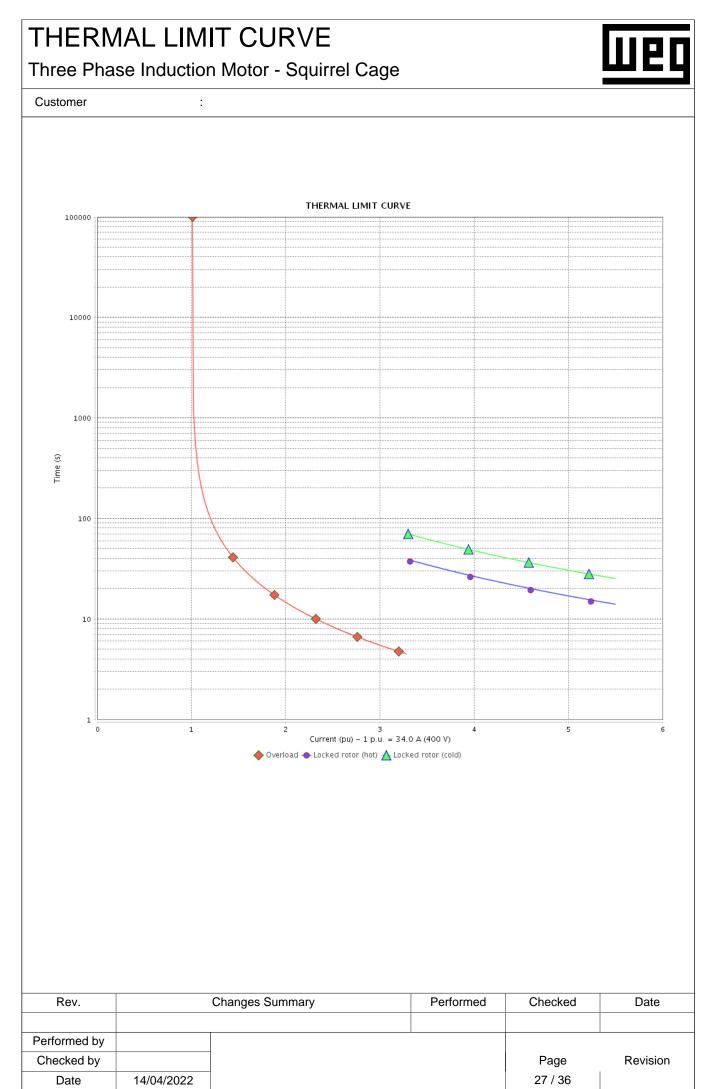


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Three Pha	se Inductio	n Motor - Squirrel	Cage			шсц
Customer	:					
Product line		NEMA Premium Efficiency <sup>-</sup> hase		Product code :	12821969	
				Catalog # :	02518ET3ER	284 I C-W22
Performance	: 4	00 V 50 Hz 4P IE2				
Rated current: 34.LRC: 5.5Rated torque: 89.Locked rotor torque: 210Breakdown torque: 240		: 34.0 A Momer : 5.5 Duty cy : 89.9 ft.lb Insulati : 210 % Service		class	: 5.11 sq.ft.lb : Cont.(S1) : F : 1.00 : 105 K : B	
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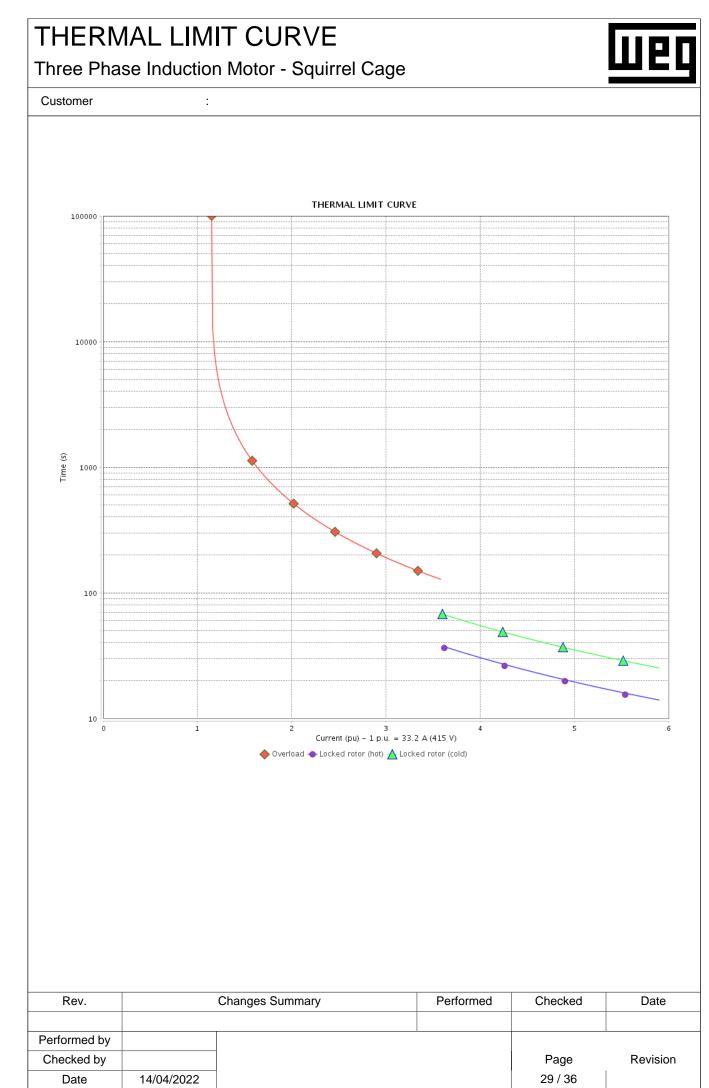


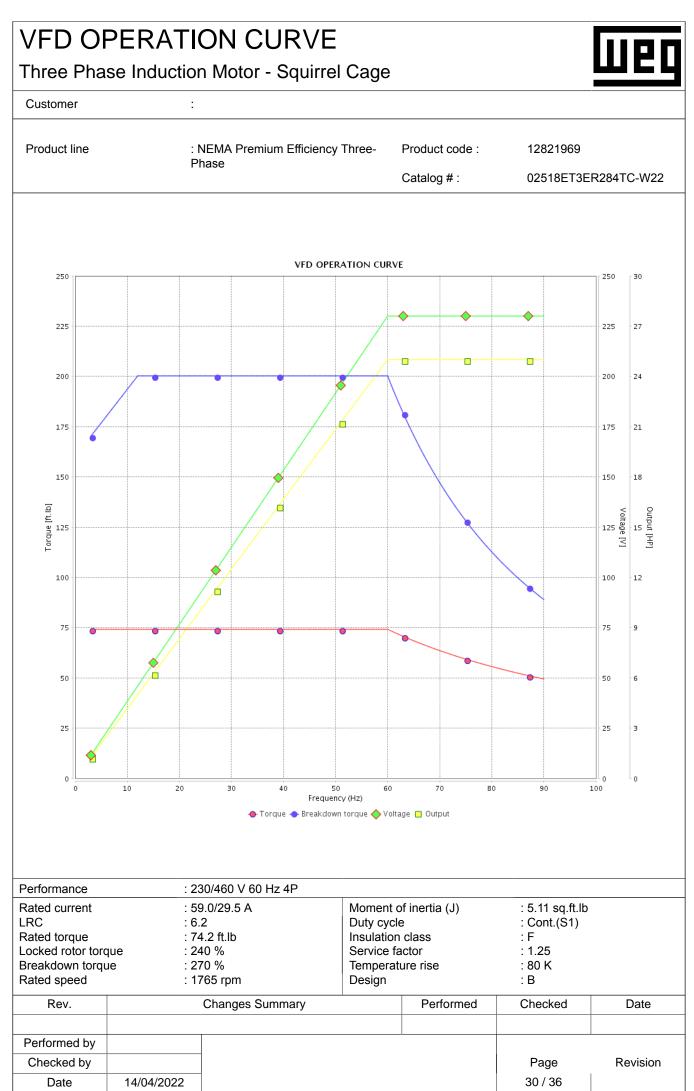
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Three Pha	se Inductio	n Motor - Squirrel	Cage			шсц
Customer	:					
Product line		NEMA Premium Efficiency <sup>-</sup> Phase		Product code : Catalog # :	12821969 02518ET3ER	284TC-W22
Performance Rated current		15 V 50 Hz 4P IE2 3.2 A	Moment o	f inertia (J)	: 5.11 sq.ft.lb	
LRC Rated torque Locked rotor toro Breakdown torqu Rated speed	: 5 : 8 que : 2 ue : 2		Moment of inertia (J) Duty cycle Insulation class Service factor Temperature rise Design		: Cont.(S1) : F : 1.00 : 80 K : B	
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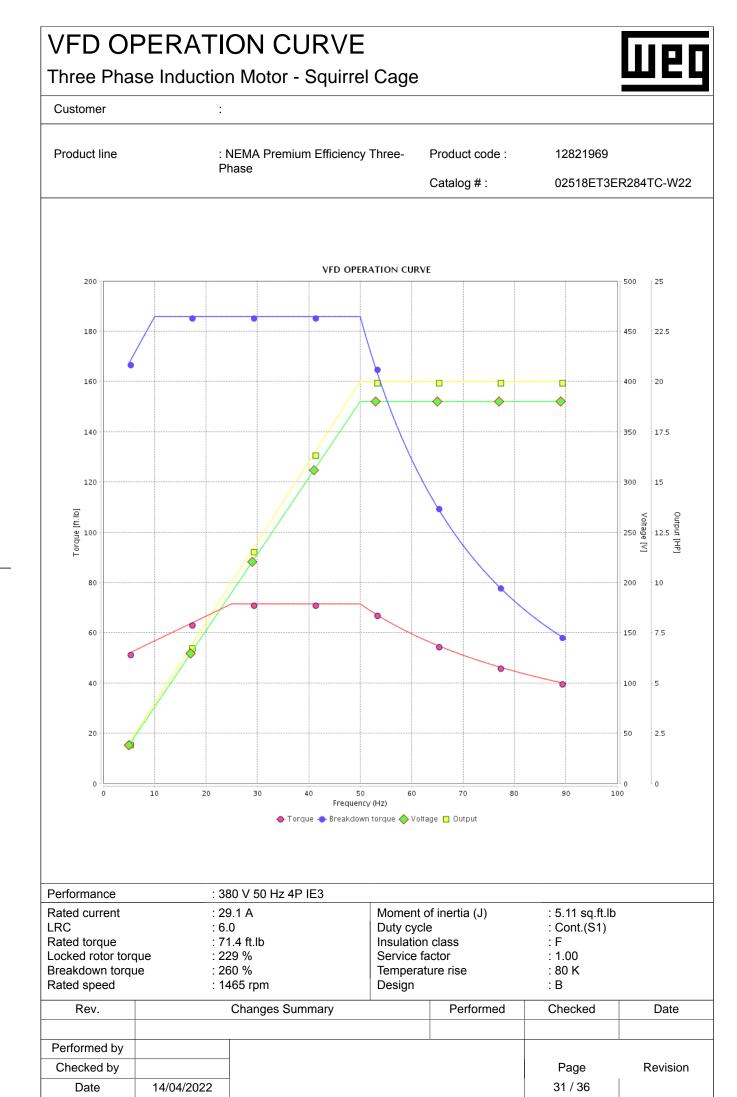
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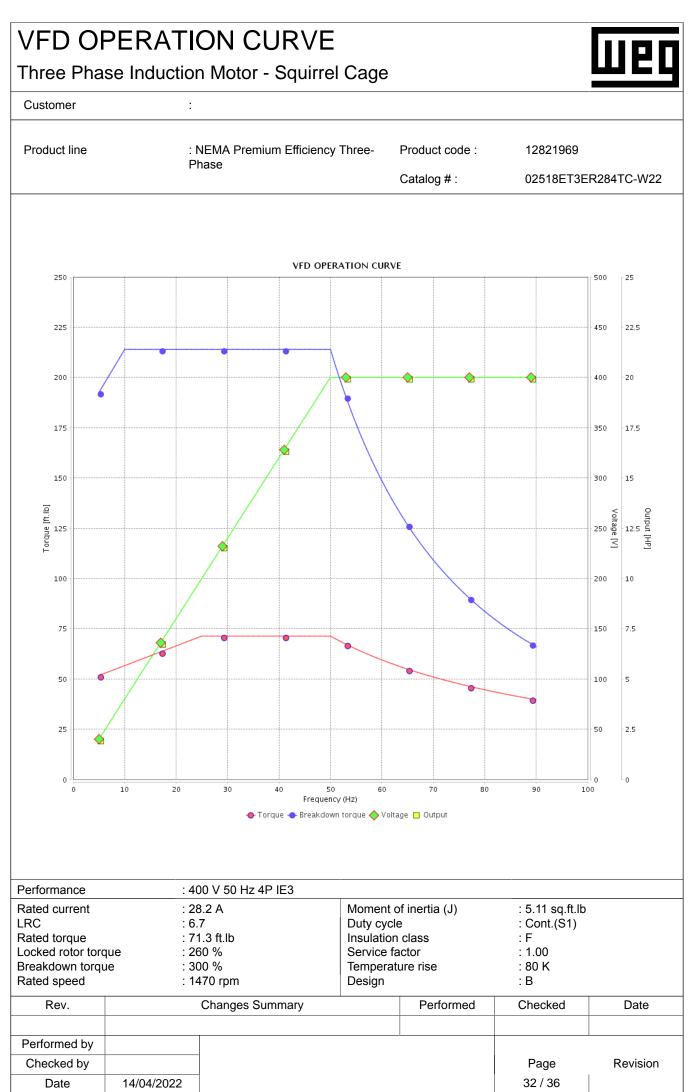
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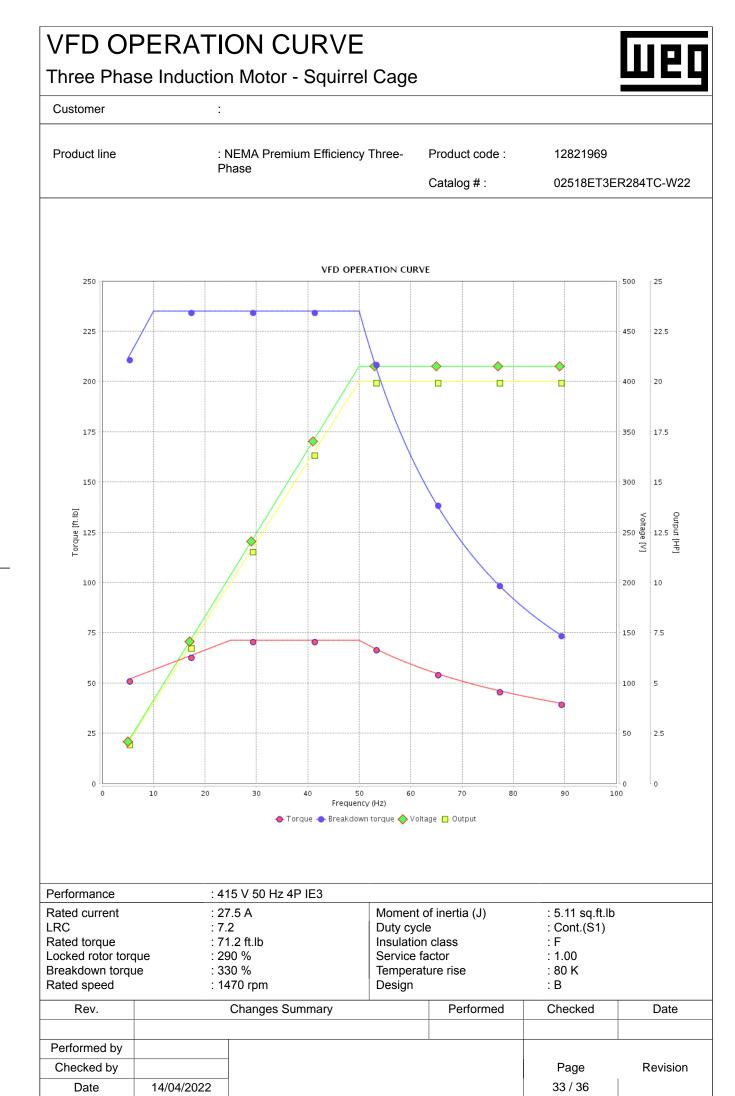


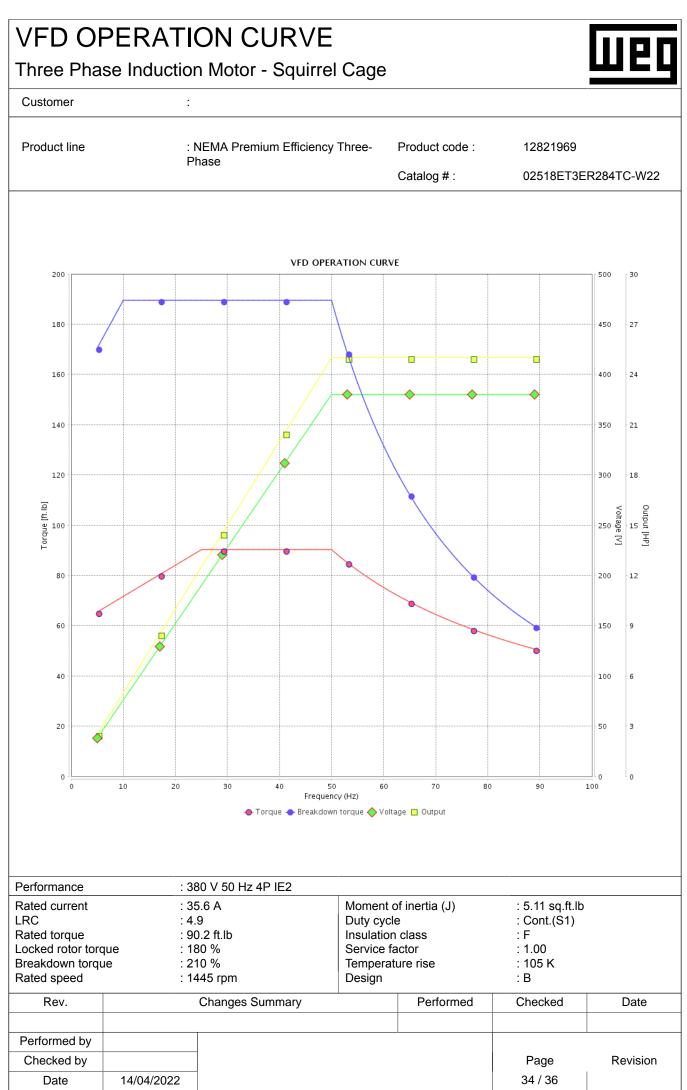




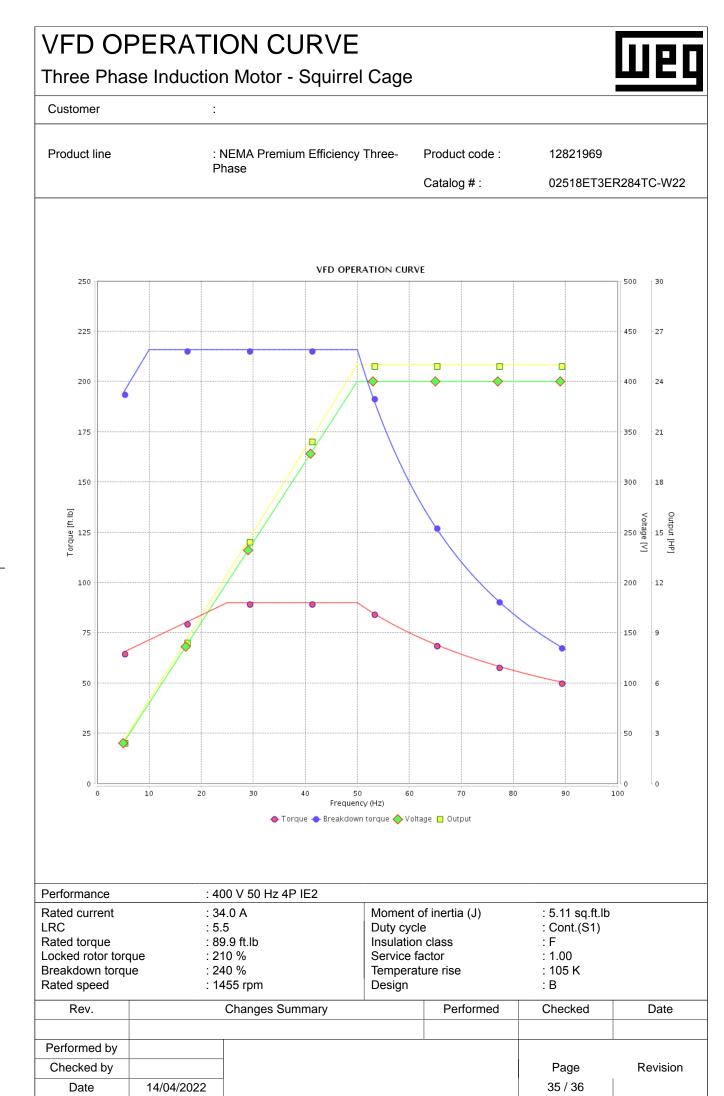


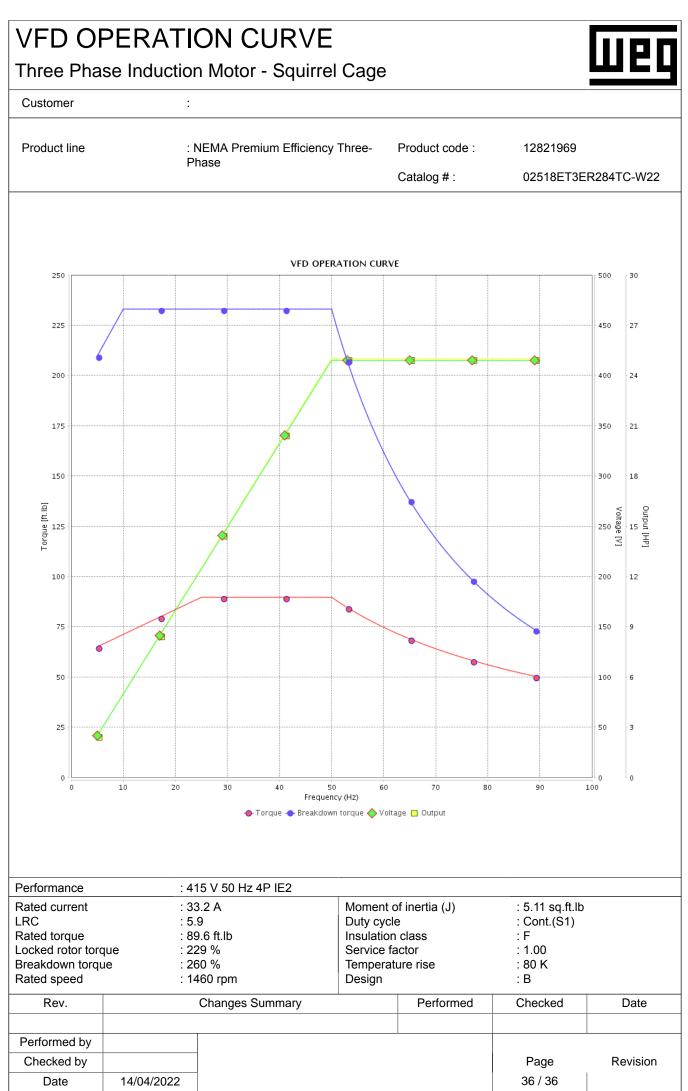
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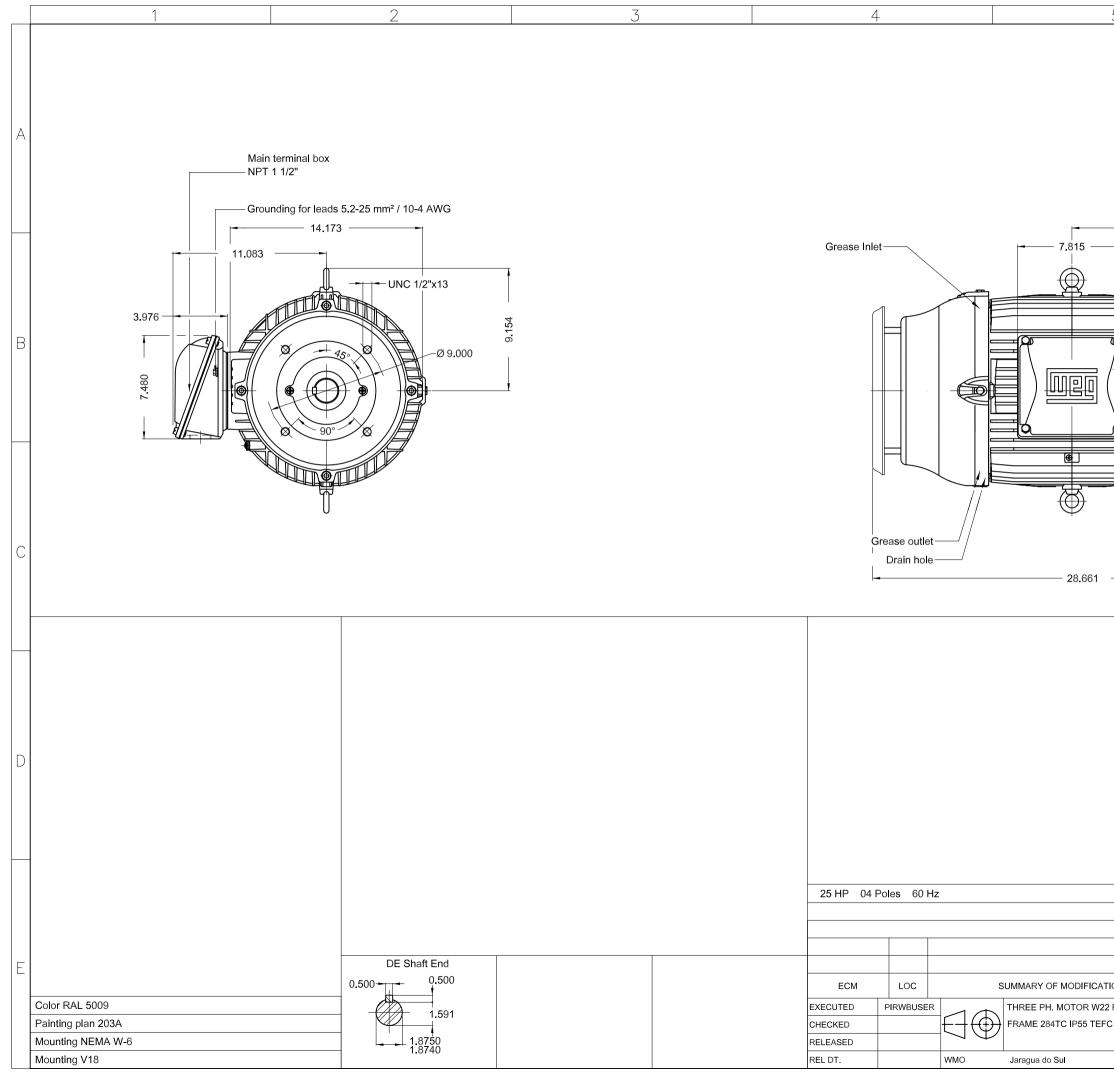




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