DATA SHEET

Three Phase Induction Motor - Squirrel Cage

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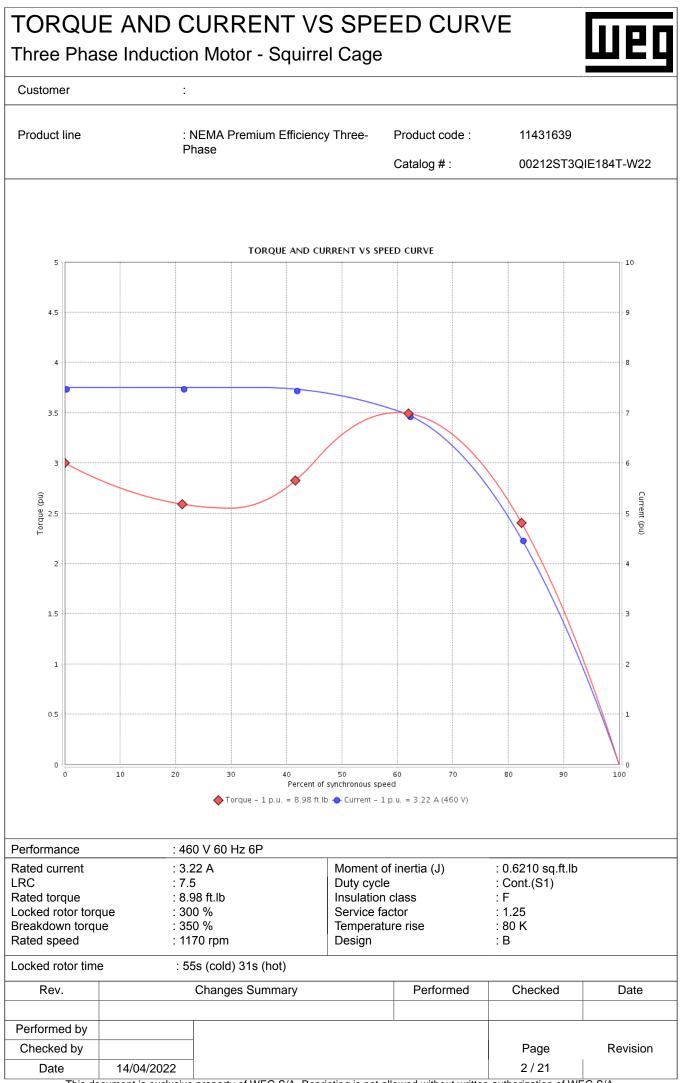


Product line		: NEMA Premium Effic Phase	ciency T	hree- Pro	oduct code :	114316	639	
				Ca	atalog # :	002128	ST3QIE184T-W	22
Frame Insulation class Duty cycle Ambient temperature		:F		Mounting Rotation ¹			: IC411 - TEFC : F-1 : Both (CW and CCW) : Direct On Line	
Altitude Protection degree Design		: 1000 m.a.s.l. : IP55 : B		Approx. we		: 116 lb : 0.6210 sq.ft.lb		
Dutput [HP]		2		2	2	2	2	
Poles		6		6	6		6	
requency [Hz]		60		50	5		50	
Rated voltage [V]		460		380	40		415	
Rated current [A]		3.22		3.66	3.0		3.58	
R. Amperes [A]		24.2	0.0	22.0	24		25.4	1.
RC [A]	1	7.5x(Code L)	6.0	Dx(Code J)	6.7x(C		7.1x(Code	L)
No load current [A]		1.90		1.90	2.0		2.15	
Rated speed [RPM	' I	1170 2.50		960	96		965	
Slip [%] Pated torque [ft lb]	1	8.98		4.00 10.9	3.8		3.50	
Rated torque [ft.lb] .ocked rotor torqu		300		229	28		10.9 310	
Breakdown torque		350			31		340	
Service factor	[/0]	1.25					1.00	
emperature rise		80 K		80 K			80 K	
Locked rotor time		55s (cold) 31s (hot)	365 (0	cold) 20s (hot			36s (cold) 20s	(hot
Noise level ²		52.0 dB(A)		9.0 dB(A)	49.0 0		49.0 dB(A	
	25%	02.0 00(71)		0.0 0.0(7)	10.0 (10.0 00(71	/
Efficiency (%)	50%	86.5		85.5	85	.5	85.0	
	75%	87.5		86.0	86		86.5	
	100%	88.5		86.5	87		87.0	
	25%							
	50%	0.46		0.53	0.4	49	0.46	
Power Factor	75%	0.58		0.65	0.6	62	0.59	
	100%	0.66		0.72	0.6	69	0.67	
Bearing type			<u>ive end</u> 06 C3	Foundation		: 178 lb		
Sealing			o/Seal	Max. comp		: 294 lb		
Lubrication interv	val	· · ·	000 h	-				
Lubricant amoun	t	: 7 g	5 g					
Lubricant type		: Mobil Polyrex E	EM					
Notes								
must be eliminate (1) Looking the m (2) Measured at 1	d. otor from the m and with t veight subjec ocess.	ncel the previous one, where shaft end. colerance of +3dB(A). ct to changes after	nich				sts with sinusoid stipulated in NE	
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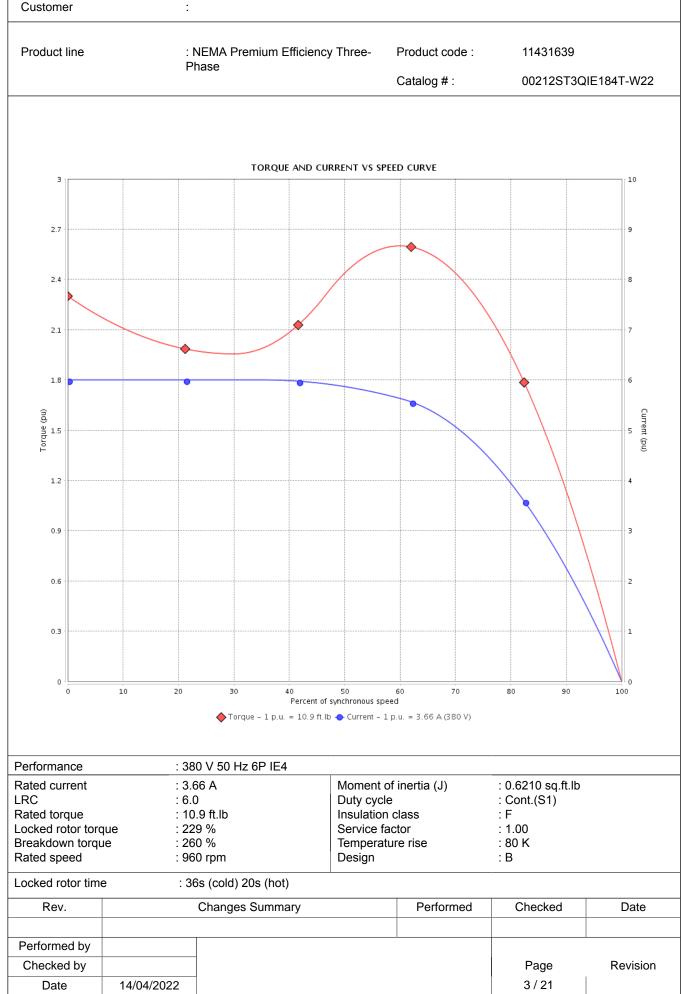


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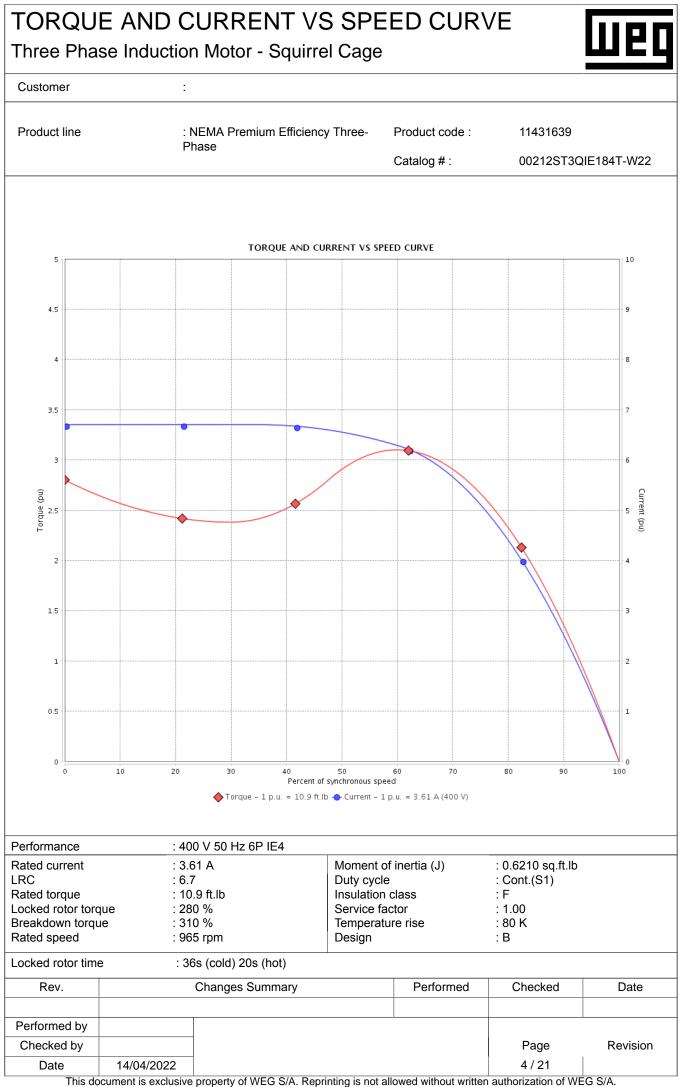
TORQUE AND CURRENT VS SPEED CURVE

Three Phase Induction Motor - Squirrel Cage

Customer



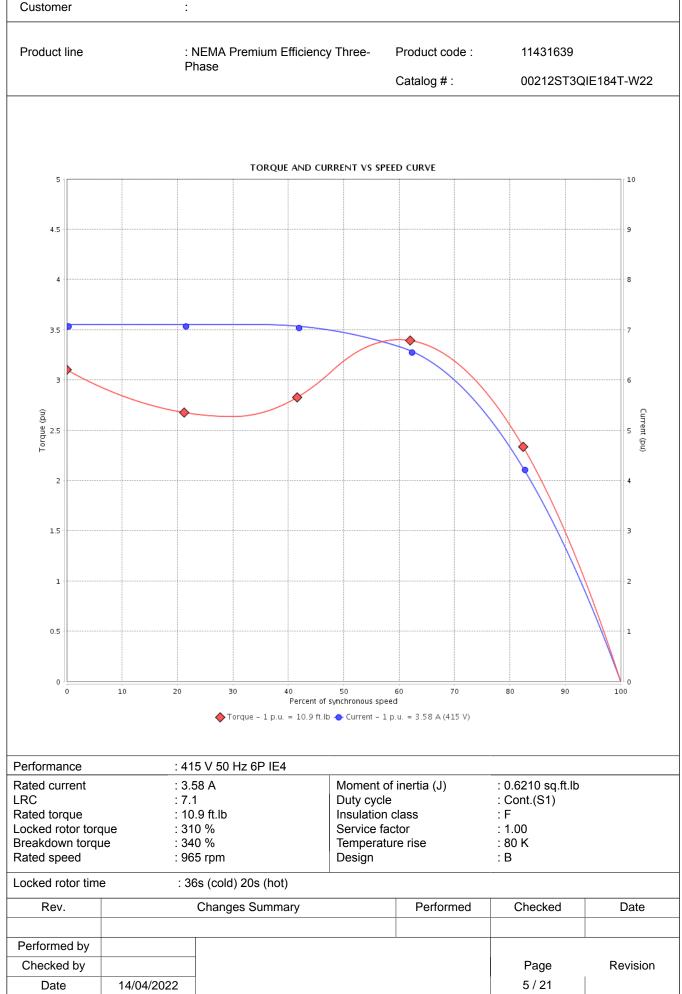
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TORQUE AND CURRENT VS SPEED CURVE

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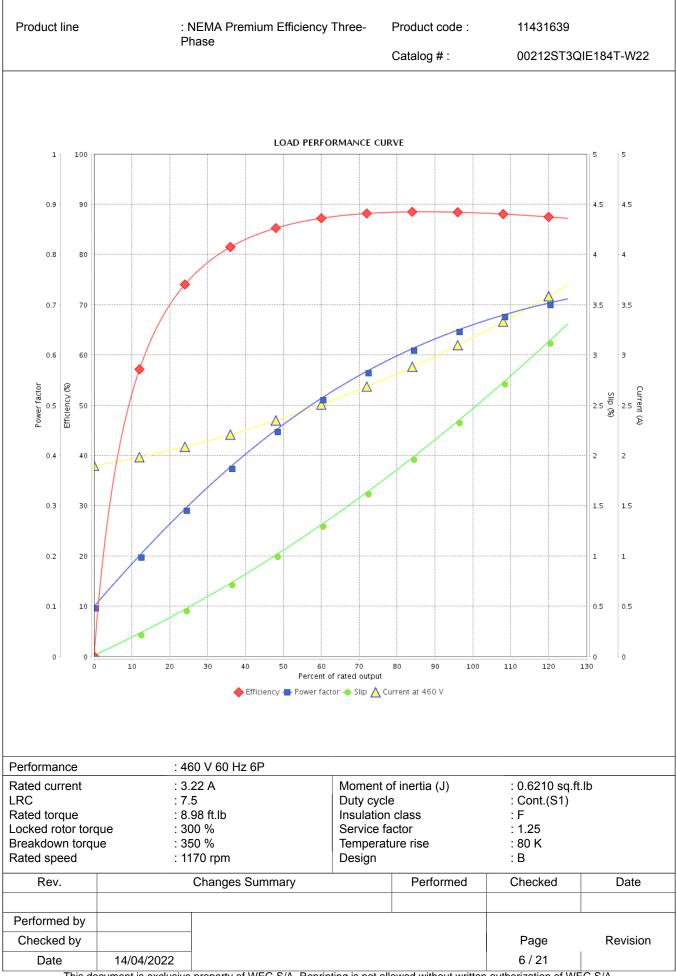
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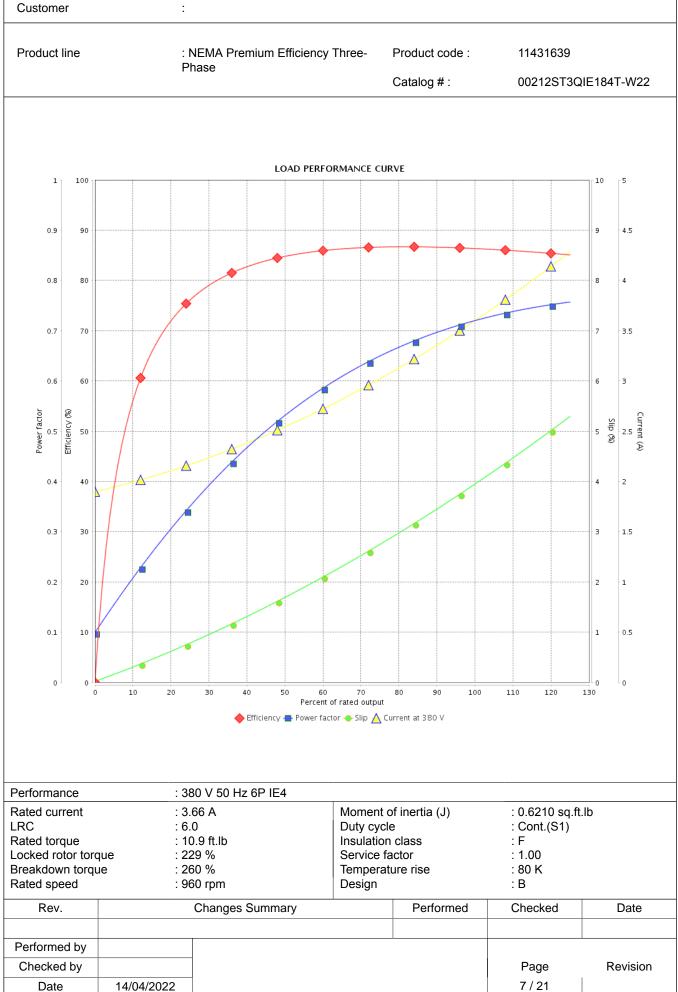


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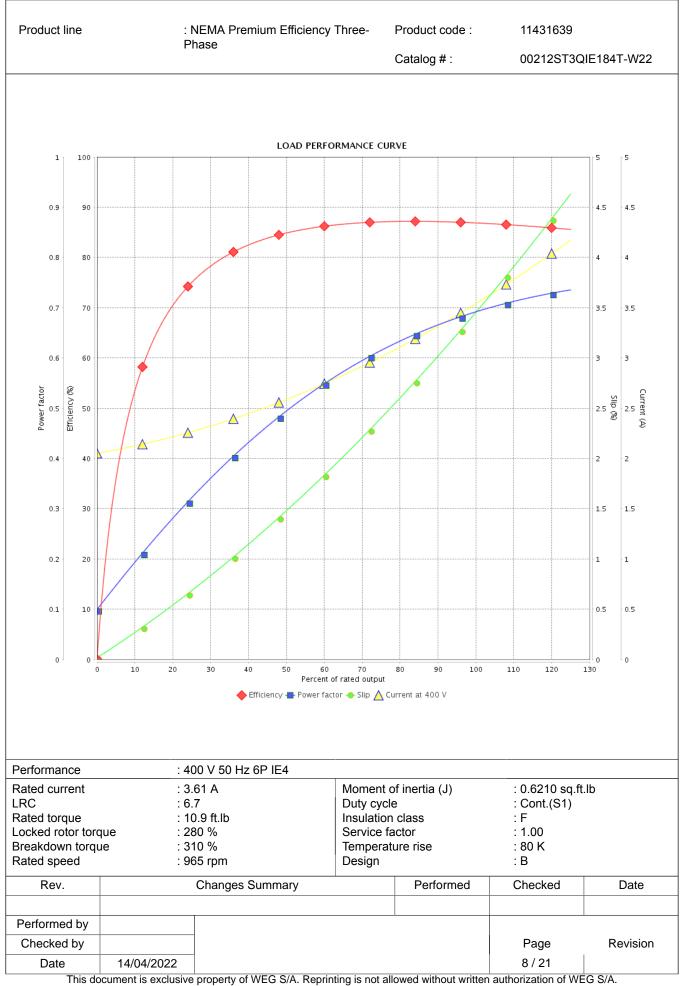
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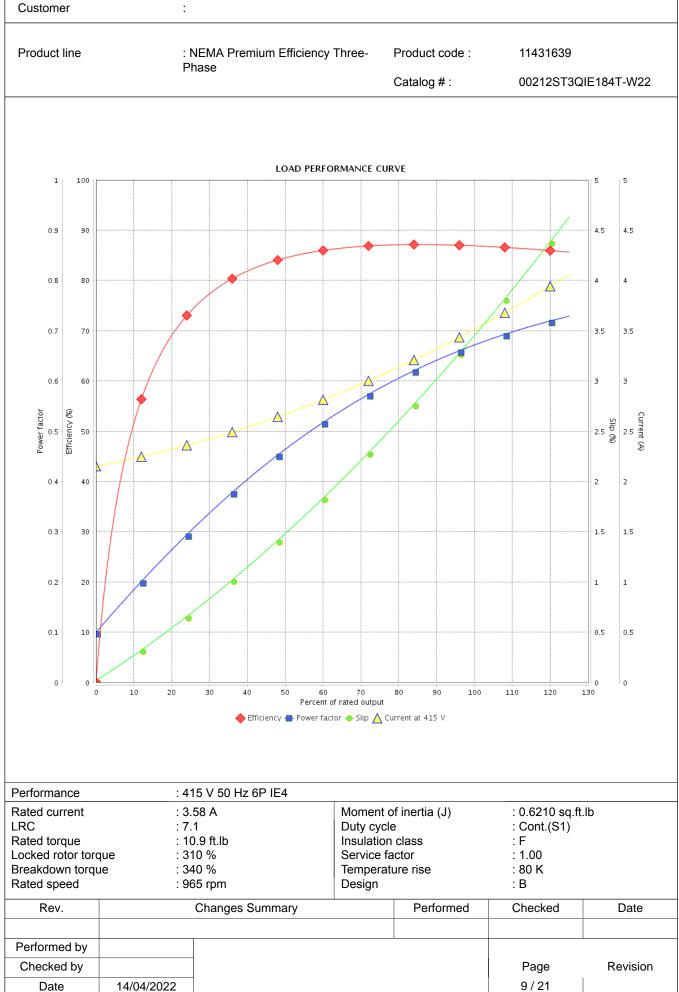


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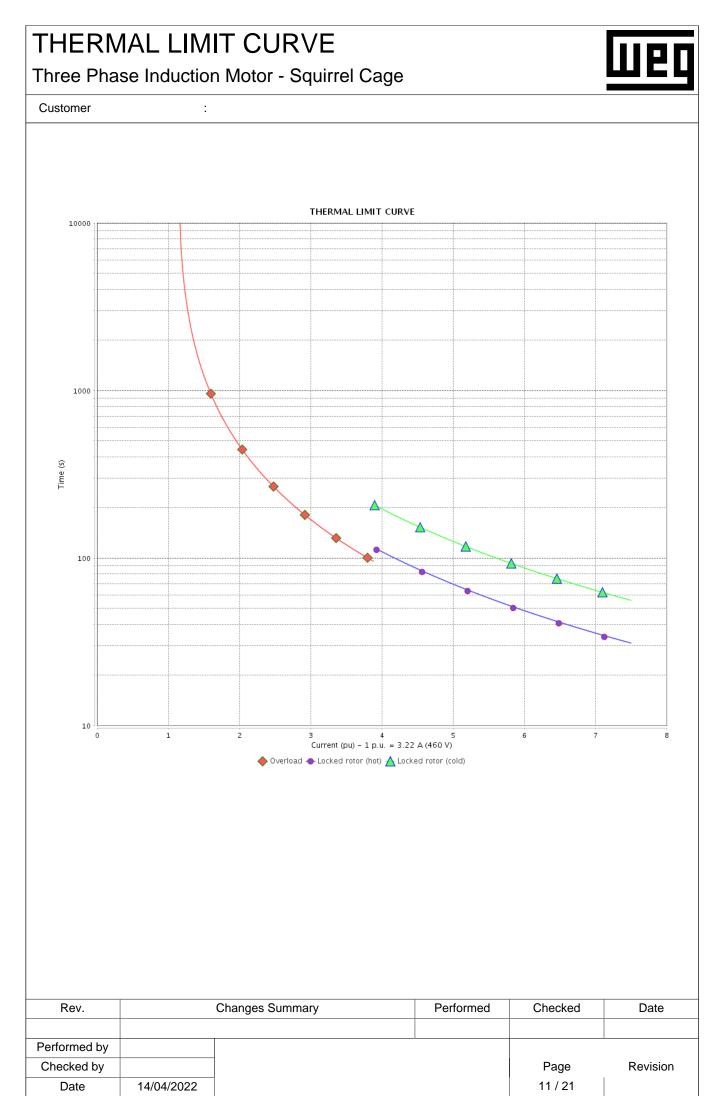
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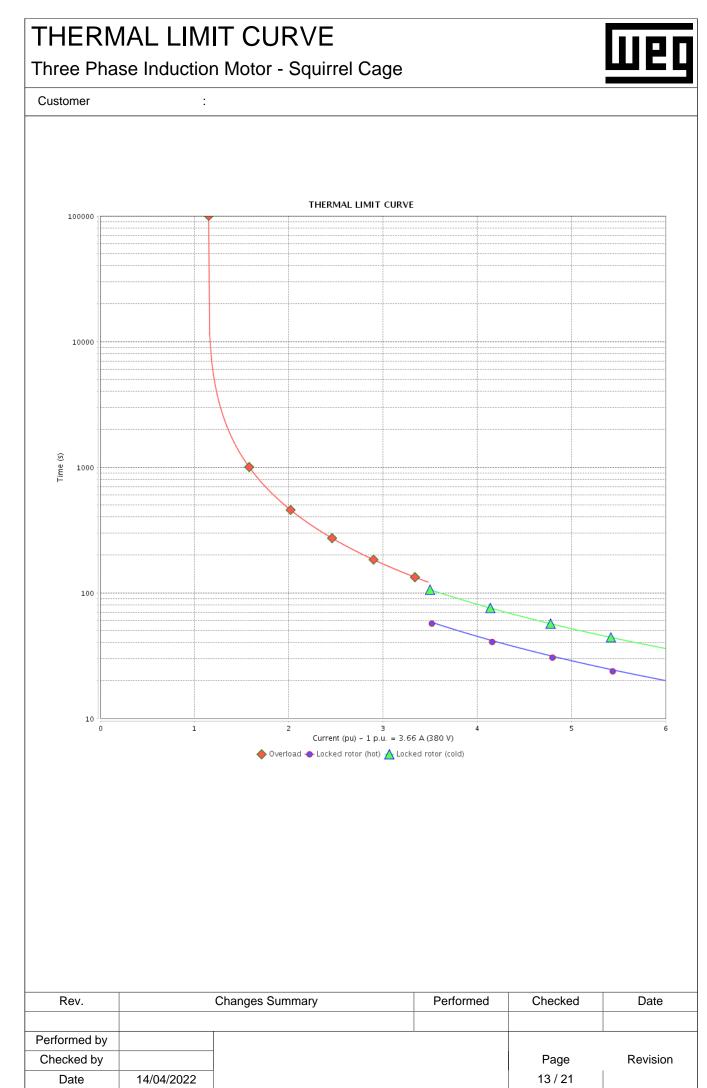
ustomer	:		
roduct line	: NEMA Premium Efficiency Three- Phase	Product code : Catalog # :	11431639 00212ST3QIE184T-W2

Performance	: 4	460 V 60 Hz 6P				
Rated current LRC	: 3	.22 A	Moment of inertia (J)		: 0.6210 sq.ft.lb : Cont.(S1)	
Rated torque		.98 ft.lb	Duty cycle Insulation class		: F	
Locked rotor toro	que : 3	300 % Service factor			: 1.25	
Breakdown torqu	Je : 3	350 % Temper		ure rise	: 80 K	
Rated speed	Rated speed : 1170 rpm		Design : B			
Heating constant						
Cooling constant	t					
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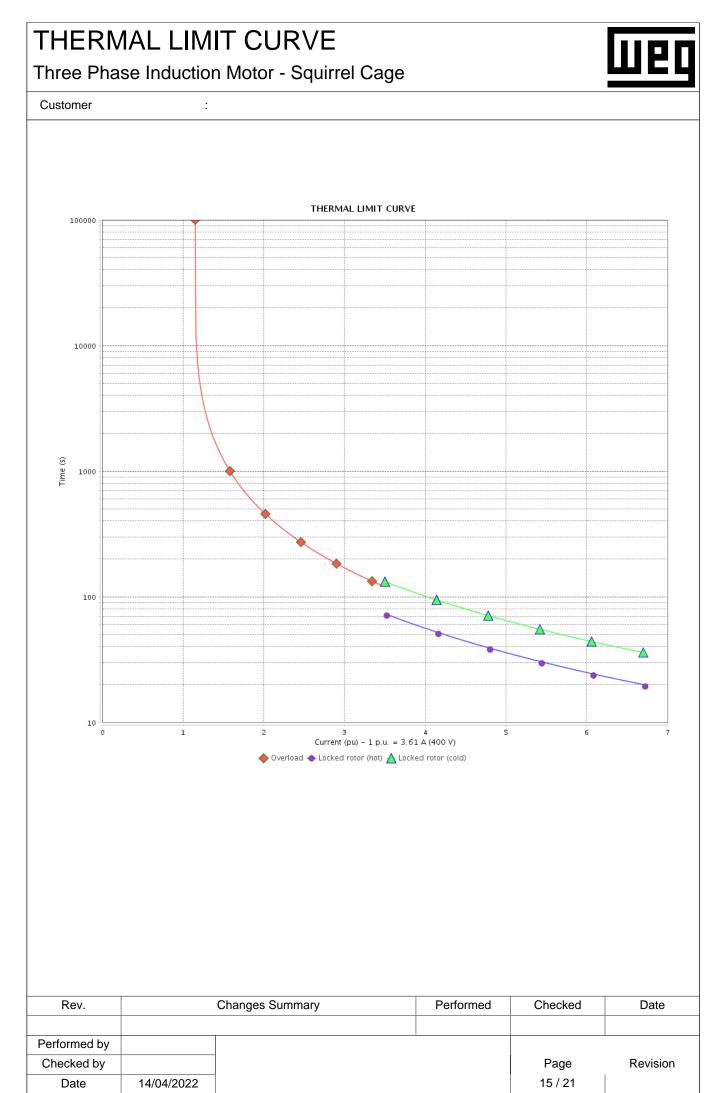
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Customer	:		
Product line	: NEMA Premium Efficiency Three- Phase	Product code :	11431639
		Catalog # :	00212ST3QIE184T-W22

Performance	: 38	80 V 50 Hz 6P IE4				
Rated current: 3.66 ALRC: 6.0Rated torque: 10.9 ft.lbLocked rotor torque: 229 %Breakdown torque: 260 %Rated speed: 960 rpm		Moment of inertia (J): 0.6210 sq.ft.lbDuty cycle: Cont.(S1)Insulation class: FService factor: 1.00Temperature rise: 80 KDesign: B			.lb	
Heating constant	t					
Cooling constant	:					
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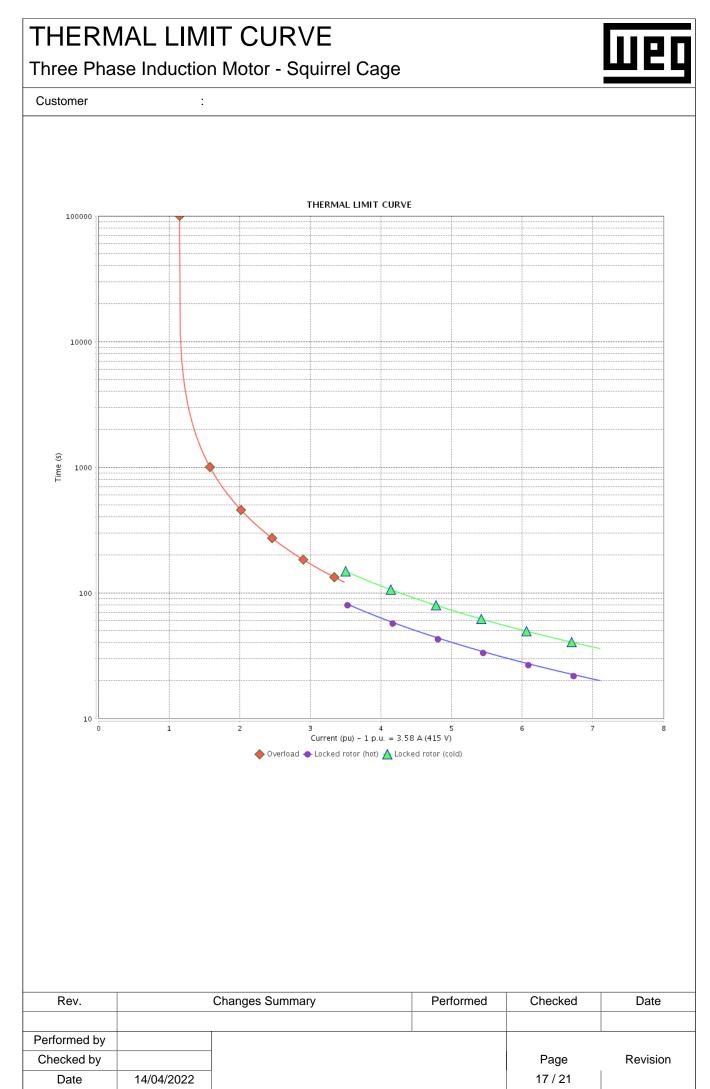
ustomer	:		
roduct line	: NEMA Premium Efficiency Three- Phase	Product code :	11431639
	Flidse	Catalog # :	00212ST3QIE184T-W22

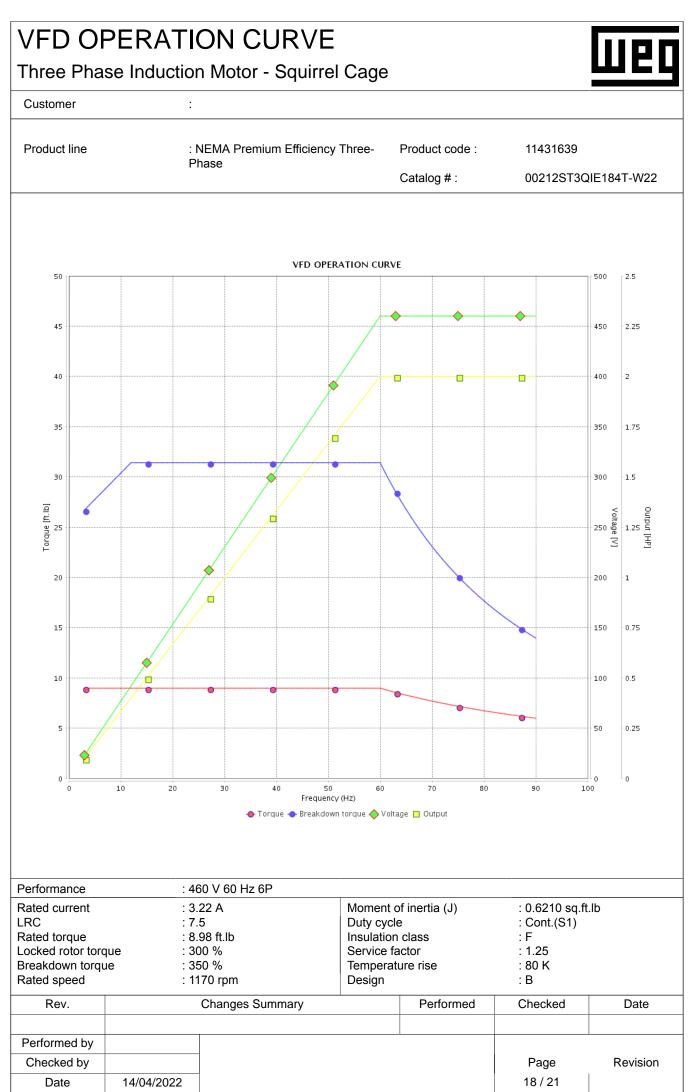
Performance	: 4	00 V 50 Hz 6P IE4				
Rated current	: 3.61 A		Moment of inertia (J)		: 0.6210 sq.ft.lb	
LRC	: 6		Duty cycle		: Cont.(S1)	
Rated torque	: 1	0.9 ft.lb	Insulation	class	: F	
Locked rotor tore	que : 2	80 %	Service fa	ctor	: 1.00	
Breakdown torqu	.e::3	10 %	Temperature rise		: 80 K	
Rated speed	: 9	65 rpm	Design		: B	
Heating constan	t				·	
Cooling constant	t					
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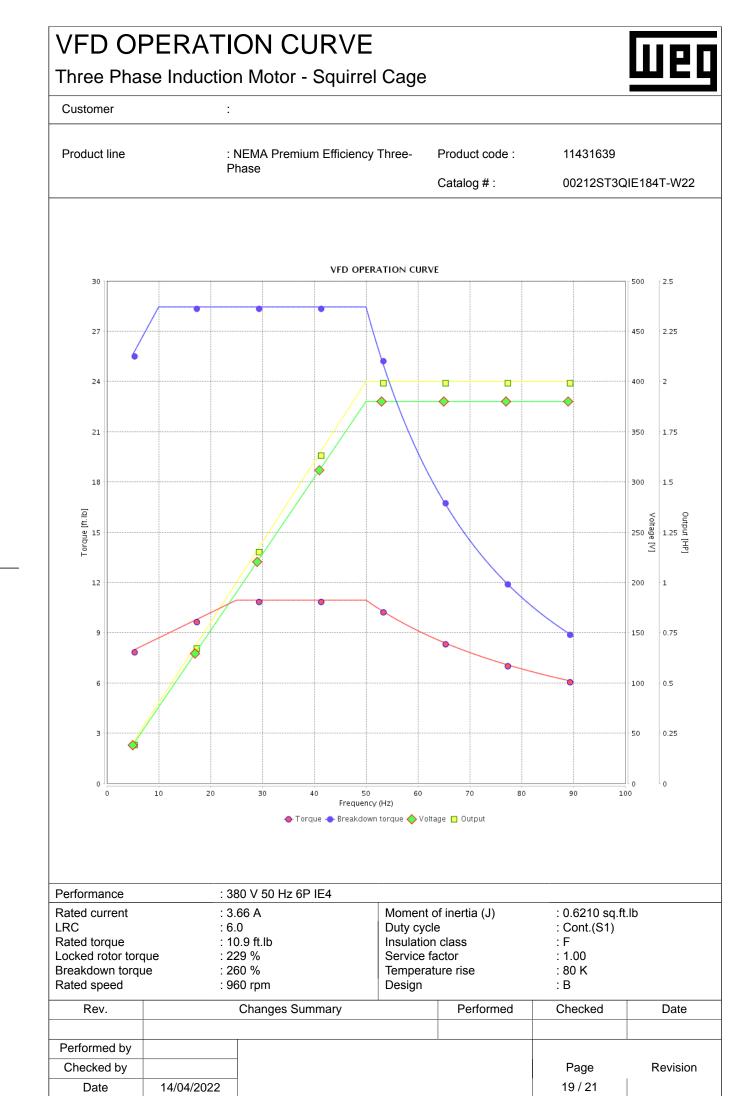
ustomer	:		
roduct line	: NEMA Premium Efficiency Three- Phase	Product code : Catalog # :	11431639 00212ST3QIE184T-W22

Performance	: 4	15 V 50 Hz 6P IE4				
Rated current			Moment of inertia (J)		: 0.6210 sq.ft.lb	
LRC	: 7	: 7.1)	: Cont.(S1)	
Rated torque	: 1	: 10.9 ft.lb		class	: F	
Locked rotor torc			Service factor		: 1.00	
Breakdown torqu	ie :3	: 340 % Tempera		Temperature rise : 80		
Rated speed	: 9)65 rpm	Design		: B	
Heating constant	t					
Cooling constant	t					
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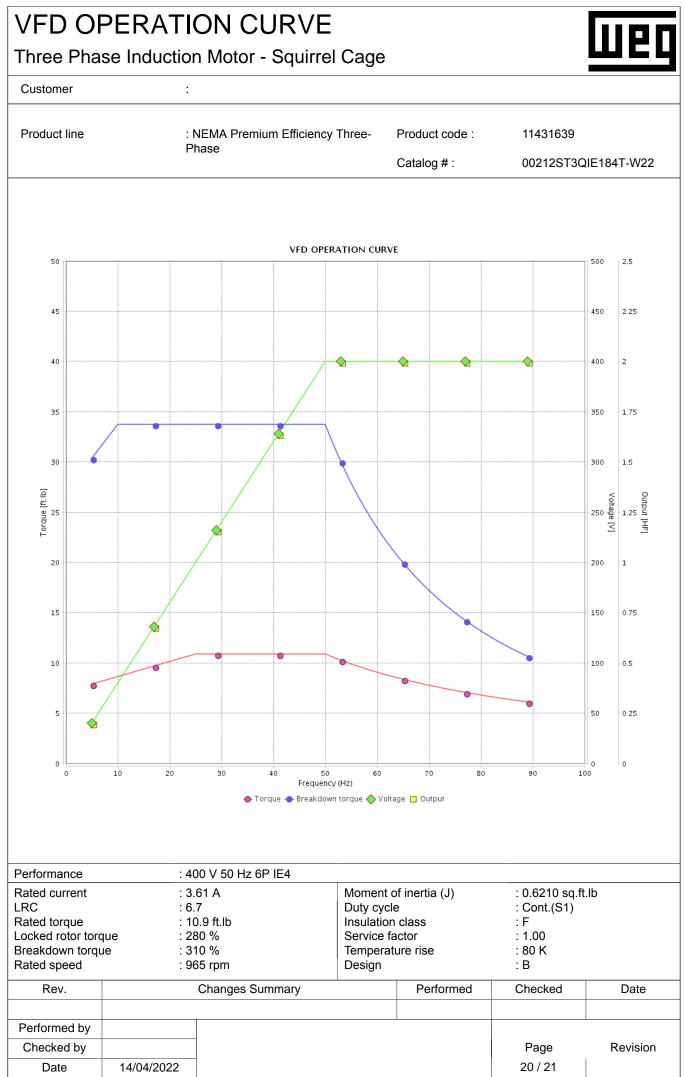


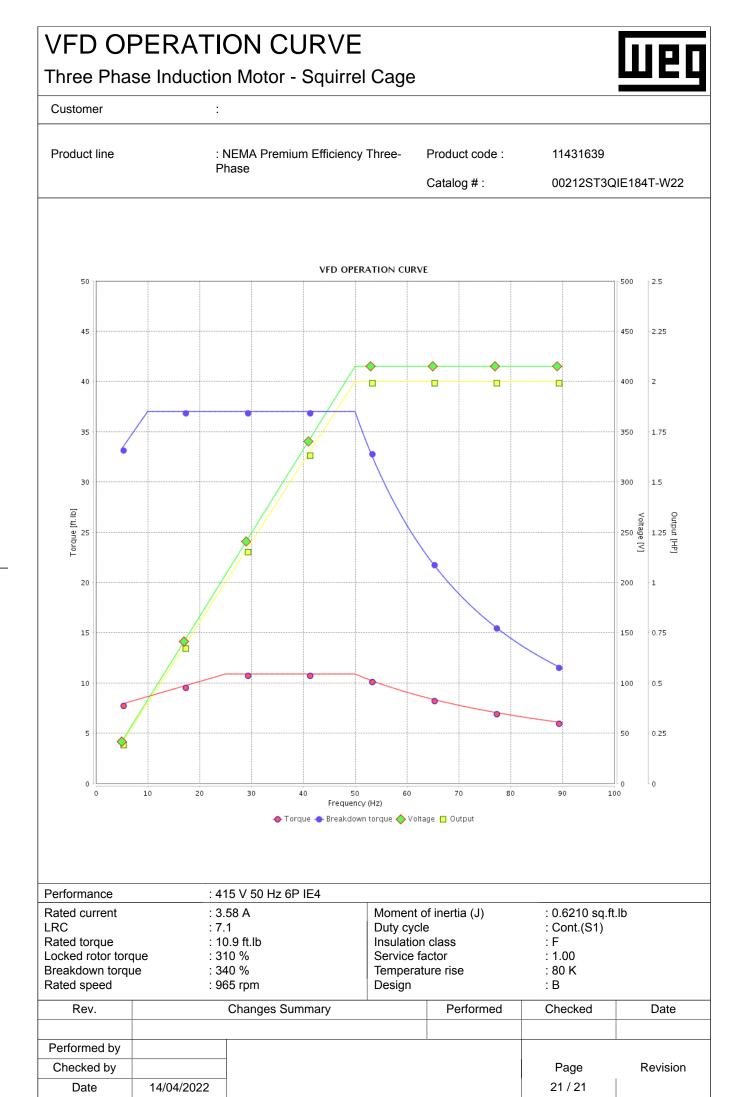


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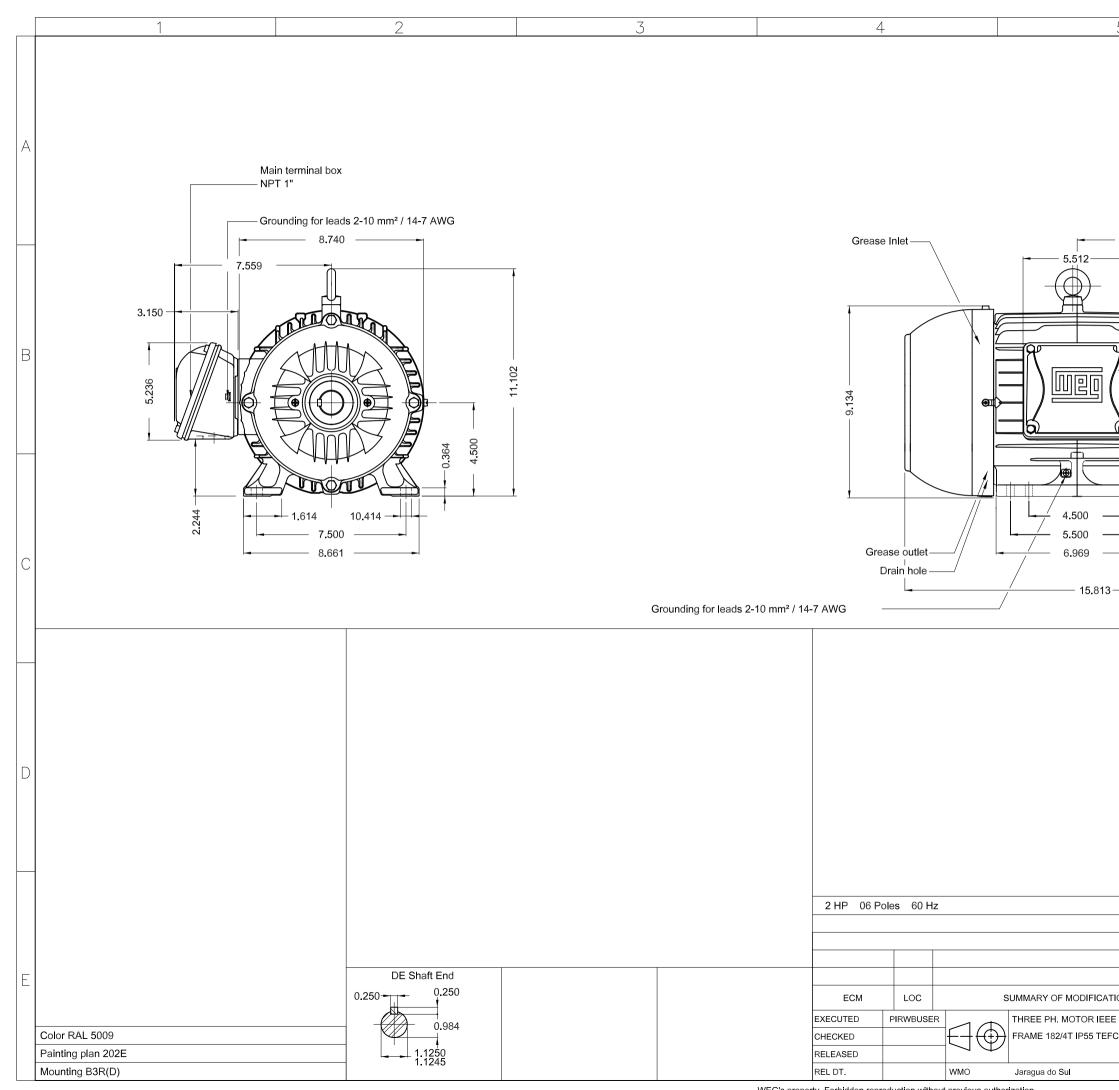


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