DATA SHEET

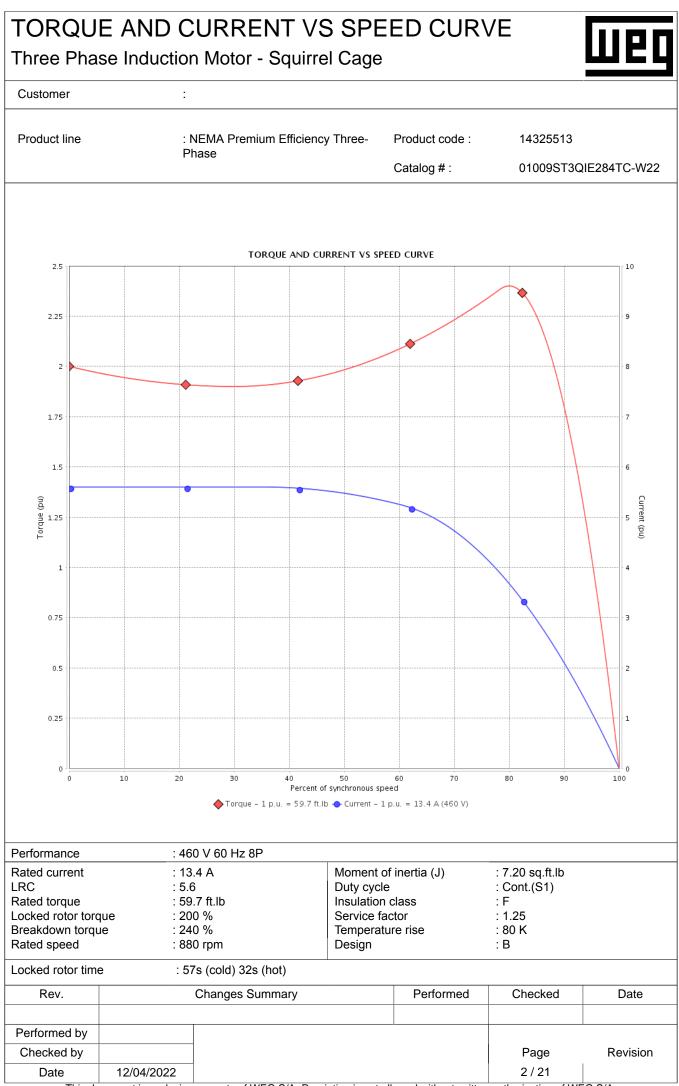
Three Phase Induction Motor - Squirrel Cage

:



Customer

Product line		: NEMA Premium Efficient	ciency T	ĥree- P	roduct code :	143255	513
		Thase		С	atalog # :	010095	ST3QIE284TC-W22
Insulation class: FMounting: FDuty cycle: Cont.(S1)Rotation1: BAmbient temperature: -20°C to +40°CStarting method: DAltitude: 1000 m.a.s.l.Approx. weight3: 3Protection degree: IP55Moment of inertia (J): 7Design: B: 1000 m.a.s.l.: 1000 m.a.s.l.		: F-1 : Both (
Output [HP]		10		10	1	0	10
Poles		8		8	8	-	8
Frequency [Hz]		60		50	5		50
Rated voltage [V]		460		380	40		415
Rated current [A]		13.4		16.1	15		15.1
R. Amperes [A]		75.0		70.8	75		78.5
RC [A]		5.6x(Code G)	4.4	4x(Code E)	4.9x(C		5.2x(Code G)
No load current [A	1	6.50		6.40	6.9		7.35
Rated speed [RPN		880		725	72		730
Slip [%]	L.	2.22		3.33	3.3		2.67
Rated torque [ft.lb]	1	59.7		72.4	72		71.9
_ocked rotor torqu		200		150	17		190
Breakdown torque		200		190	21		229
Service factor	[/0]	1.25		1.00	1.1		1.15
		80 K		105 K		5 K	105 K
Temperature rise		57s (cold) 32s (hot)	45s (cold) 25s				45s (cold) 25s (hot)
Noise level ²	25%	54.0 dB(A) 89.3	5	2.0 dB(A) 90.3	52.0 c		52.0 dB(A) 89.1
	25% 50%	89.3		90.3 89.5	88		89.1
Efficiency (%)							
	75%	90.2		88.5	88		89.5
	100%	90.2		87.5	88		88.5
Power Factor	25%	0.36		0.42	0.3		0.36
	50%	0.61		0.68	0.6		0.61
	75%	0.72		0.77	0.7		0.72
	100%	0.78		0.81	0.8	80	0.78
Bearing type Sealing Lubrication interv Lubricant amoun Lubricant type		: 6311 C3 62 : Inpro/Seal Inpr : 20000 h 20	000 h 11 g	Foundatio Max. tracti Max. com	on	: 535 lb : 908 lb	
Notes				1			
must be eliminate (1) Looking the m (2) Measured at 1	d. otor from the m and with t veight subjec ocess.	icel the previous one, where the previous one, where the shaft end. In the olerance of +3dB(A). It to changes after	hich		•		sts with sinusoidal stipulated in NEMA
Rev.		Changes Summary	,		Performed	Checked	d Date
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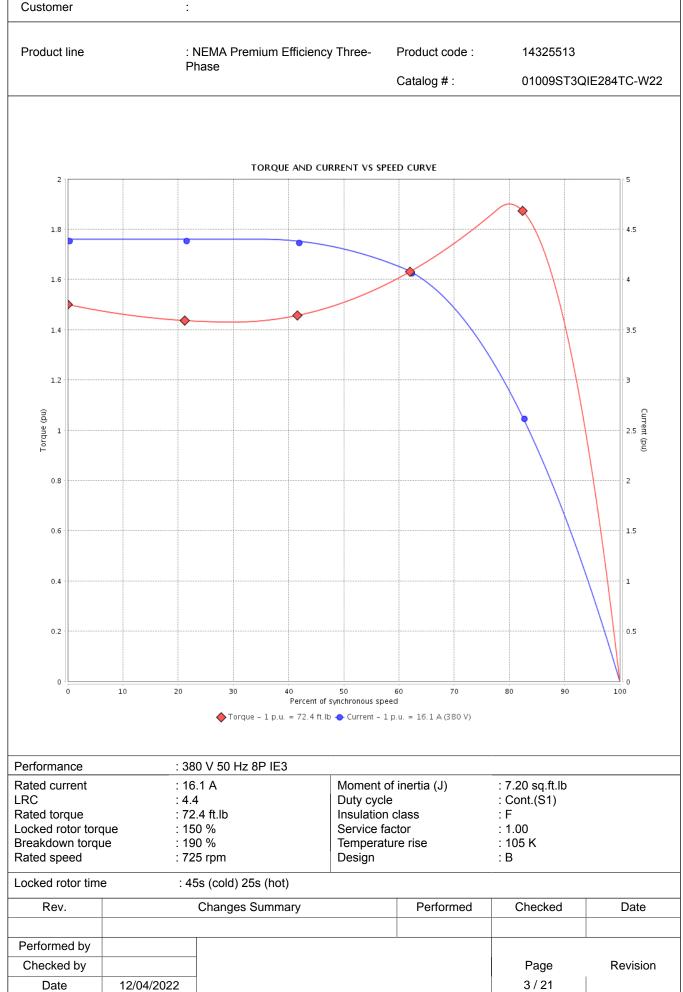


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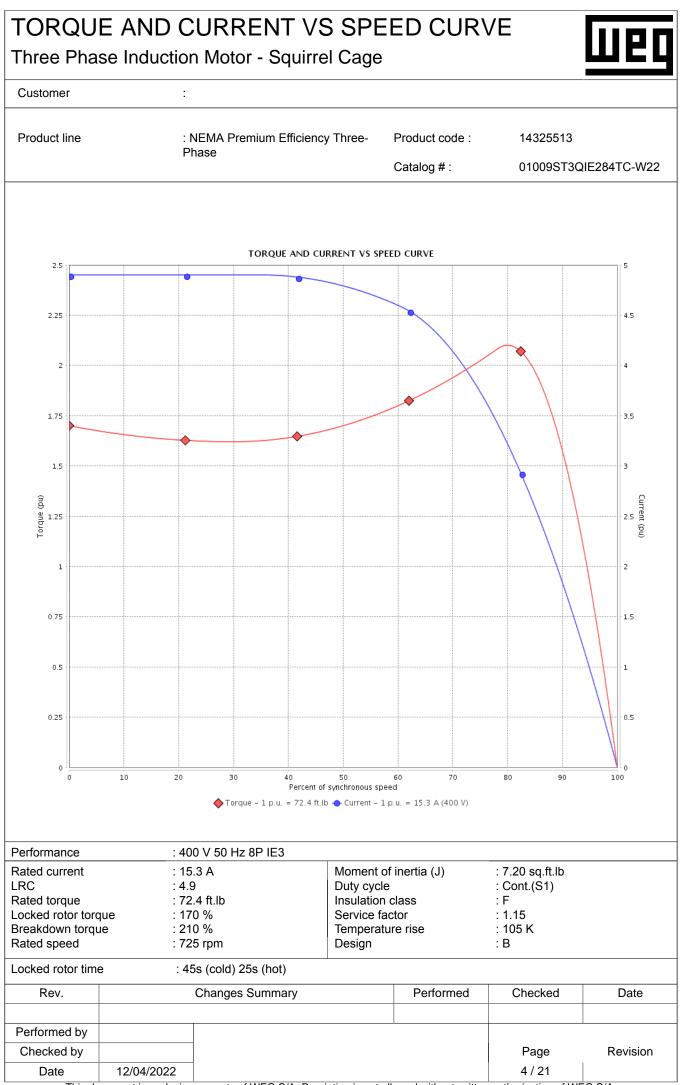
TORQUE AND CURRENT VS SPEED CURVE

Three Phase Induction Motor - Squirrel Cage

Customer



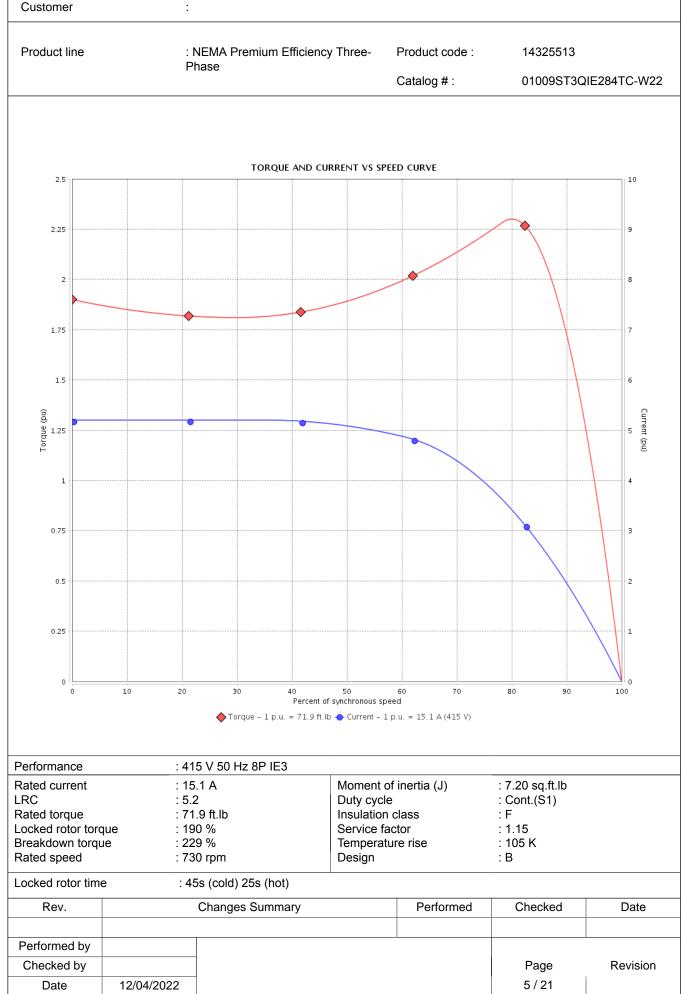
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TORQUE AND CURRENT VS SPEED CURVE

Three Phase Induction Motor - Squirrel Cage

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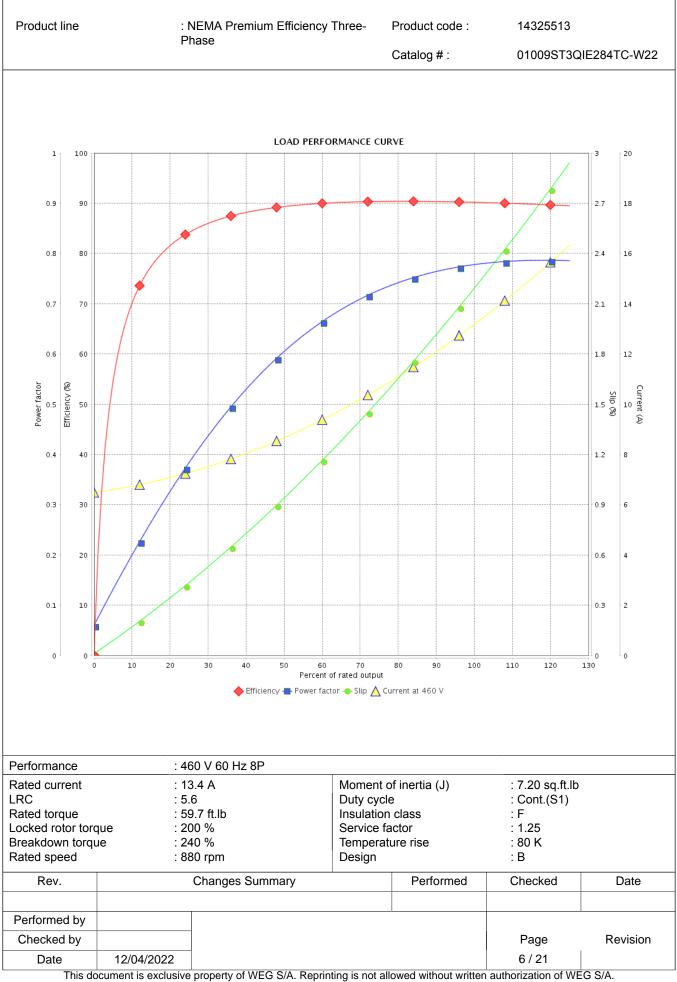
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Three Phase Induction Motor - Squirrel Cage

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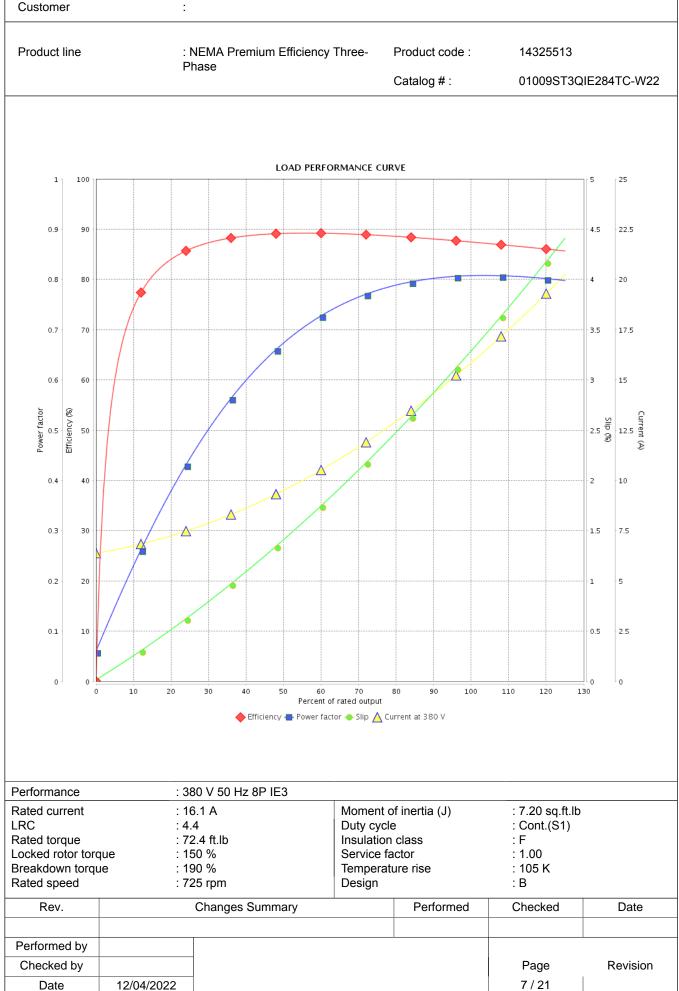


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Three Phase Induction Motor - Squirrel Cage

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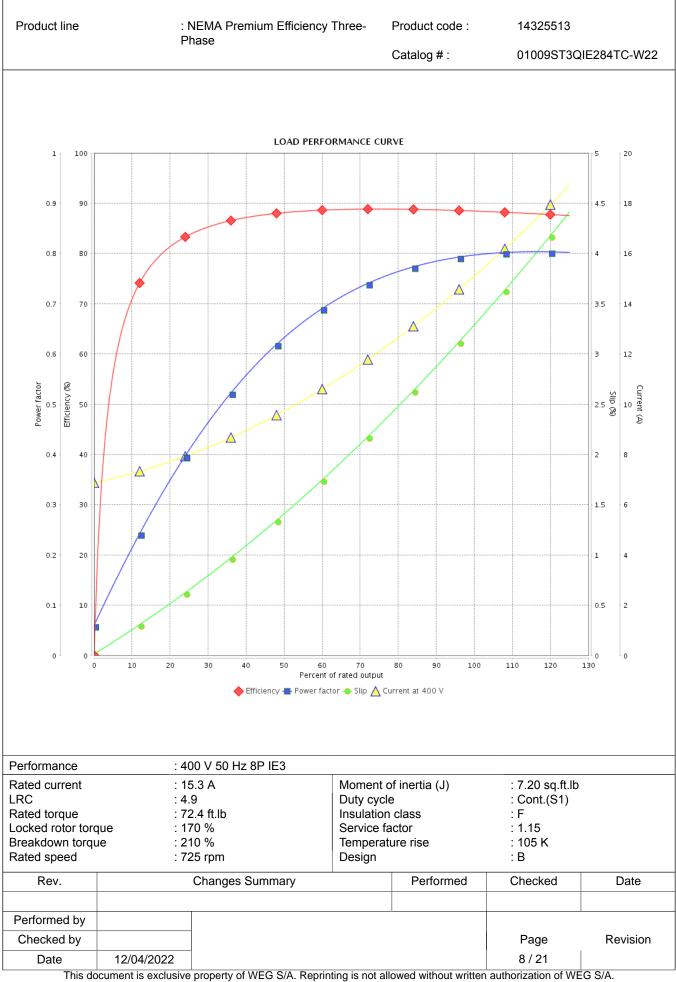
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Three Phase Induction Motor - Squirrel Cage

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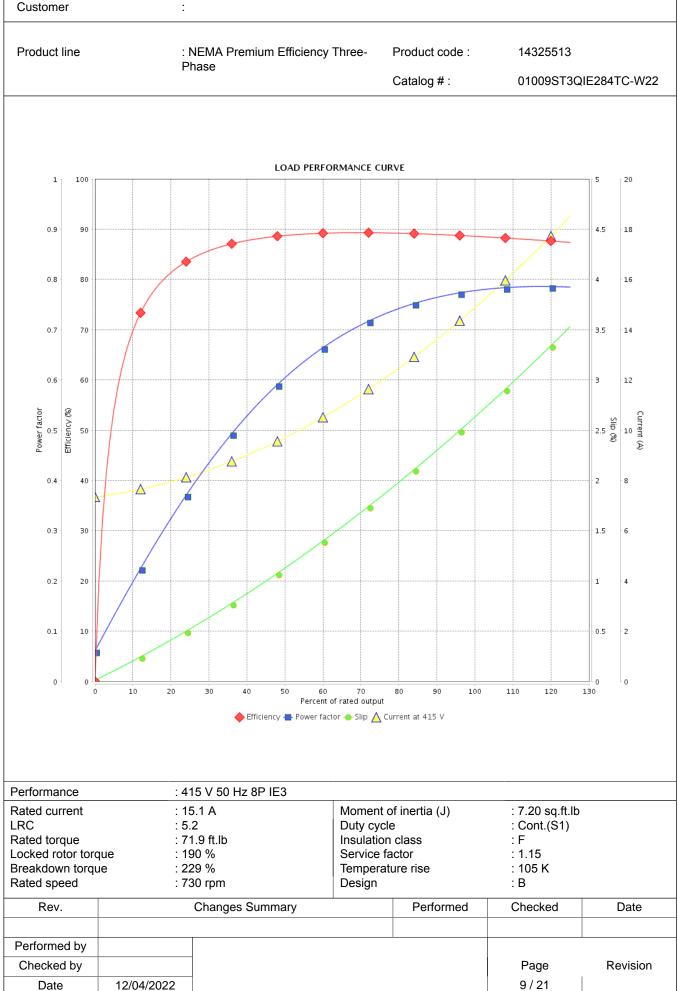


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Three Phase Induction Motor - Squirrel Cage

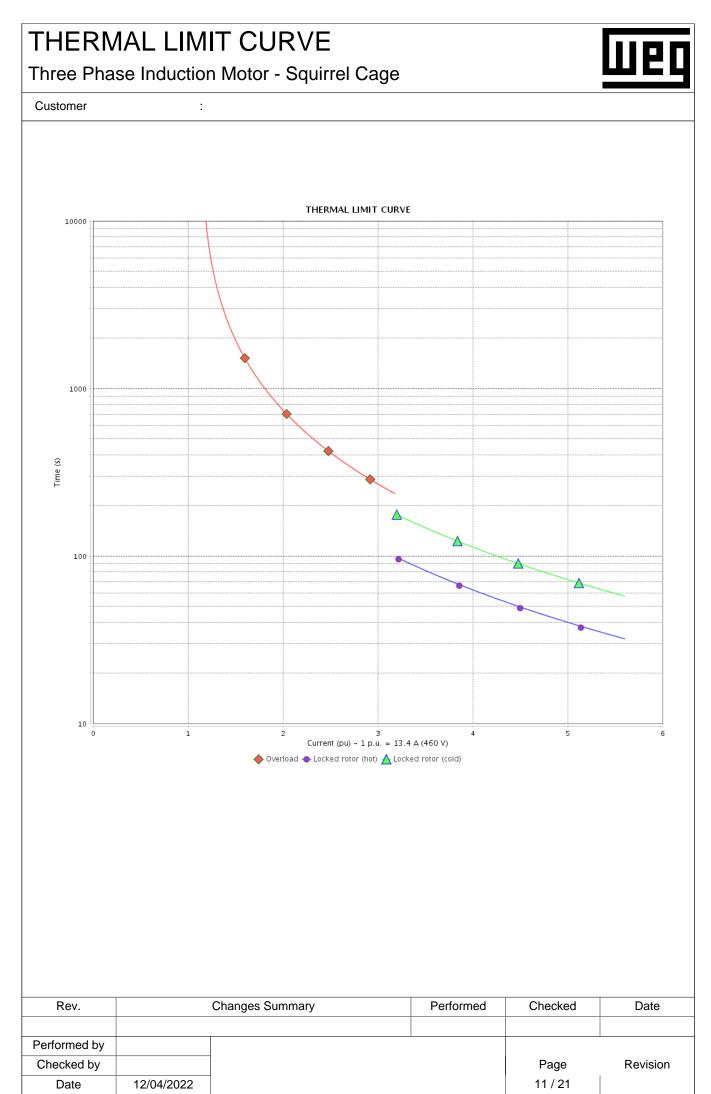
Customer



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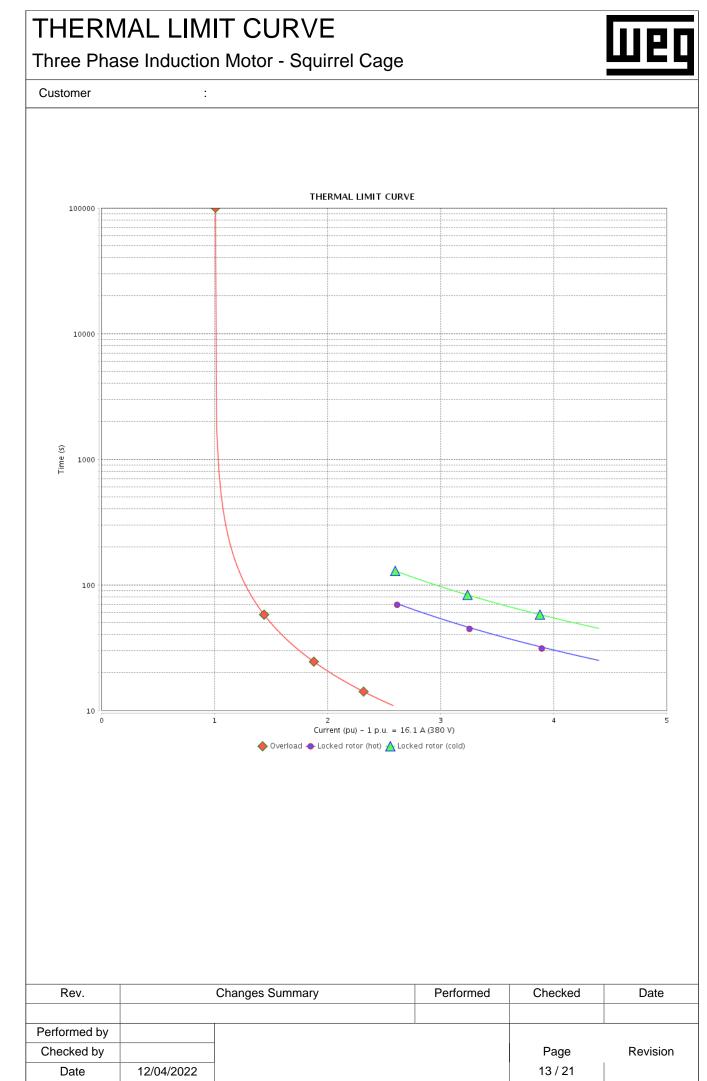
	LIMIT CURVE		
	nduction Motor - Squirrel Cage	9	шер
Customer	:		
Product line	: NEMA Premium Efficiency Three- Phase	Product code :	14325513
	Flidse	Catalog # :	01009ST3QIE284TC-W22

Performance		: 460 V 60 Hz 8P				
Rated current LRC Rated torque Locked rotor torq Breakdown torqu Rated speed	ue e	: 13.4 A : 5.6 : 59.7 ft.lb : 200 % : 240 % : 880 rpm	Duty cyc Insulatic Service	Moment of inertia (J) Duty cycle Insulation class Service factor Temperature rise Design		
Heating constant						
Cooling constant						
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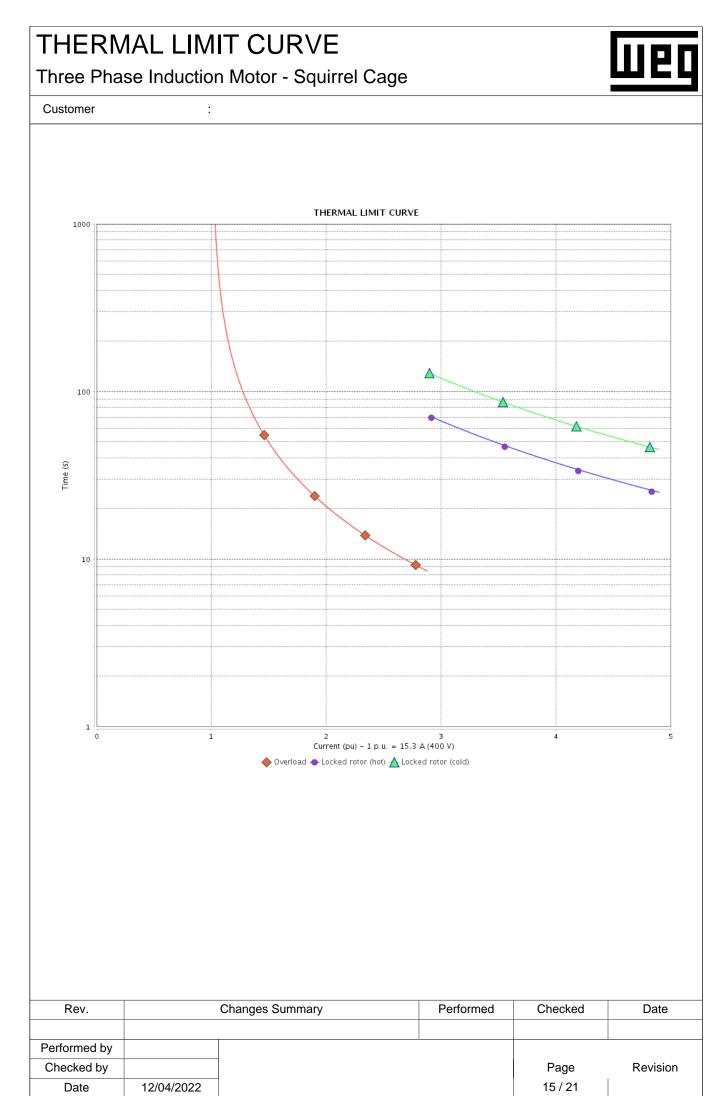
hree Phase Ir	nduction Motor - Squirrel Cage)	ШЕ
Customer	:		
Product line	: NEMA Premium Efficiency Three- Phase	Product code :	14325513
		Catalog # :	01009ST3QIE284TC-W2

Performance	: 3	880 V 50 Hz 8P IE3				
Rated current	: 16.1 A		Moment of inertia (J)		: 7.20 sq.ft.lb	
LRC	: 4.4		Duty cycle	9	: Cont.(S1)	
Rated torque : 72.4 ft.lb		Insulation class		: F		
Locked rotor torque : 150 %		Service fa	ctor	: 1.00		
Breakdown torqu	Breakdown torque : 190 %		Temperati	ure rise	: 105 K	
Rated speed	: 7	'25 rpm	Design		: B	
Heating constant	t					
Cooling constant	t					
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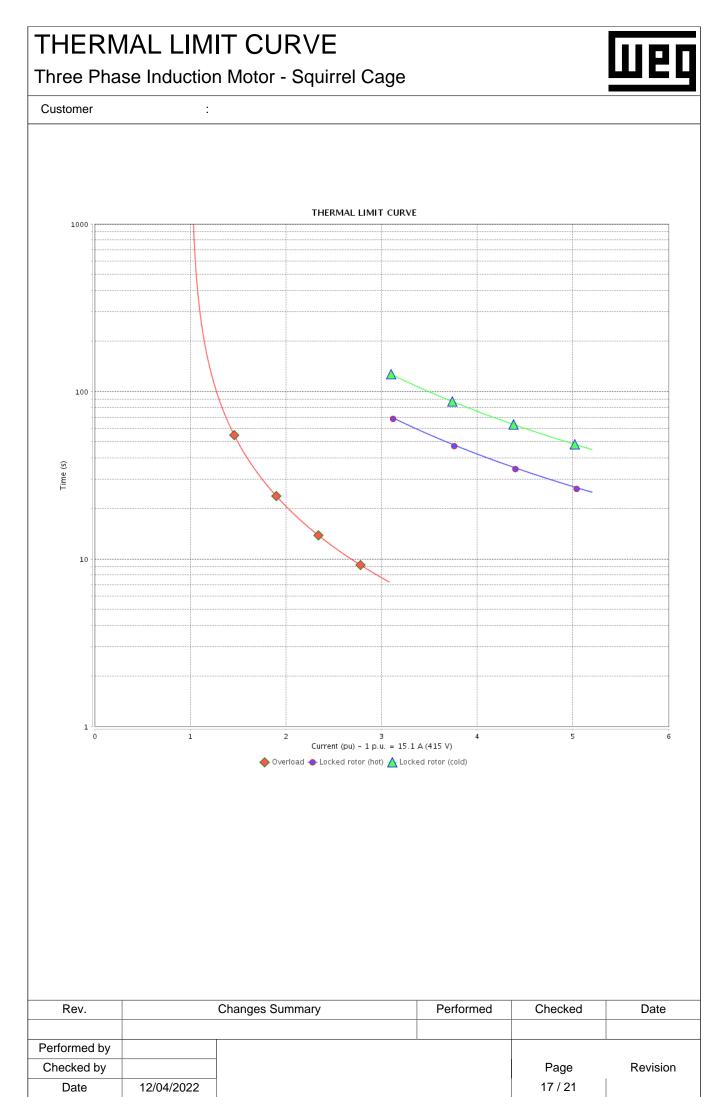
: NEMA Premium Efficiency Three-		
Phase	Product code :	14325513
	Catalog # :	01009ST3QIE284TC-W2

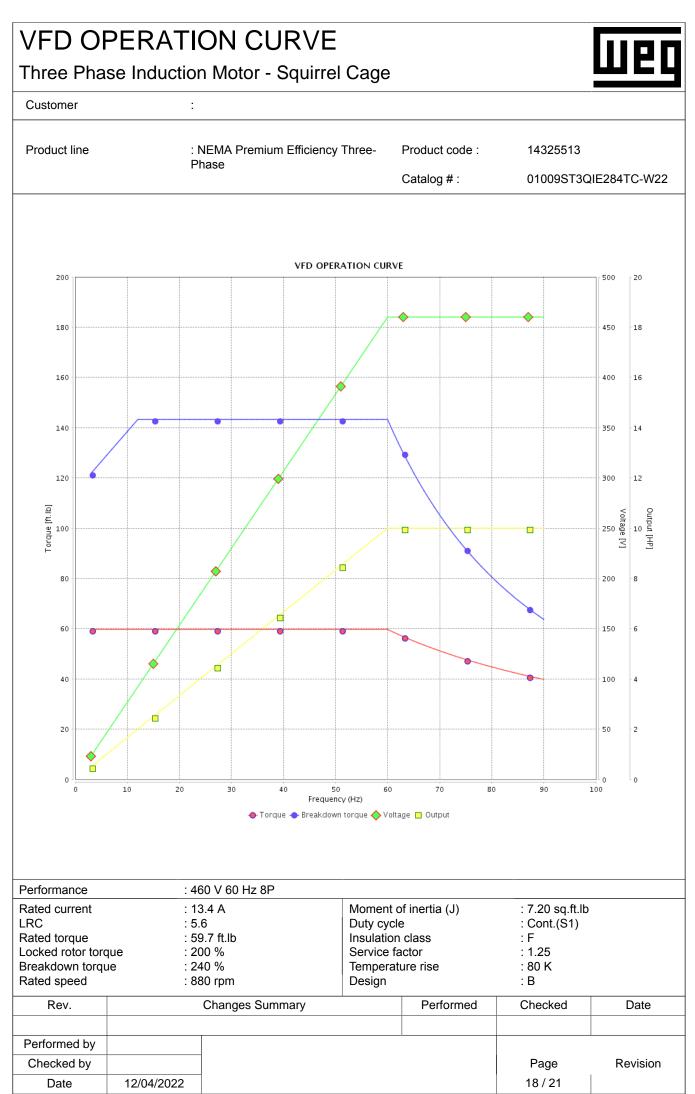
Performance : 400 V 50 Hz 8P IE3						
Rated current	Rated current : 15.3 A		Moment of inertia (J)		: 7.20 sq.ft.lb	
LRC	LRC : 4.9		Duty cycle	;	: Cont.(S1)	
Rated torque : 72.4 ft.lb		2.4 ft.lb	Insulation	class	:F	
Locked rotor torque : 170 %		Service fa	ctor	: 1.15		
Breakdown torque : 210 %		Temperatu	ure rise	: 105 K		
Rated speed	: 72	25 rpm	Design		: B	
Heating constant						
Cooling constant						
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Date	12/04/2022				14 / 21	

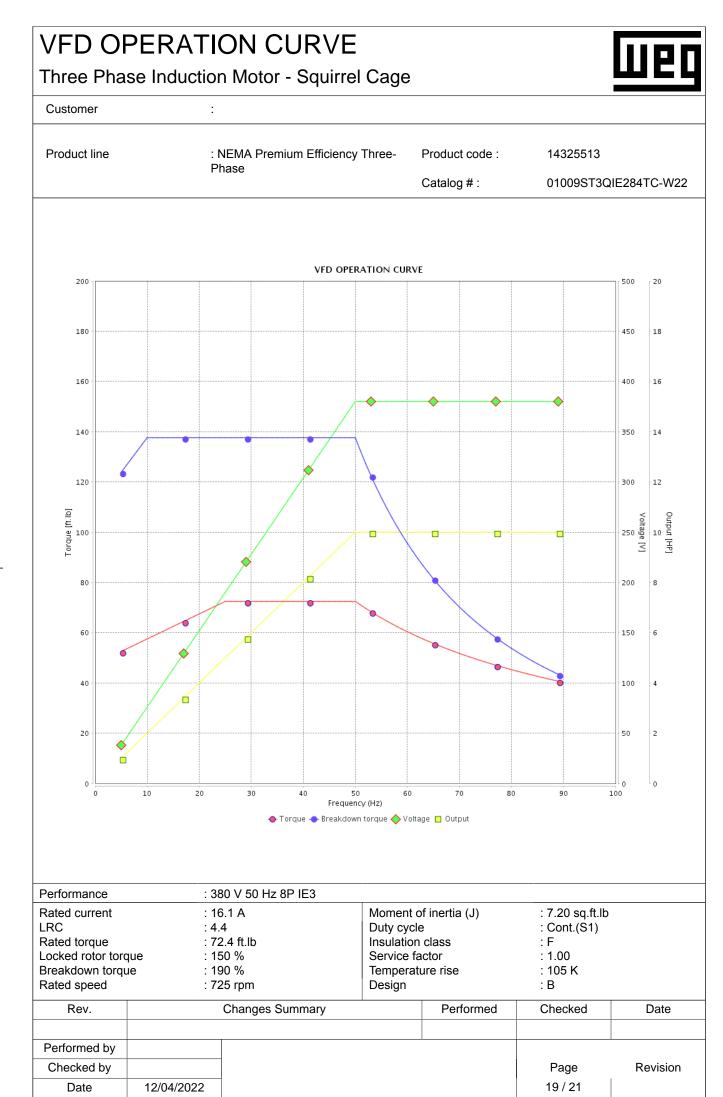


Sustomer	:		
roduct line	: NEMA Premium Efficiency Three- Phase	Product code :	14325513
	Fliase	Catalog # :	01009ST3QIE284TC-W2

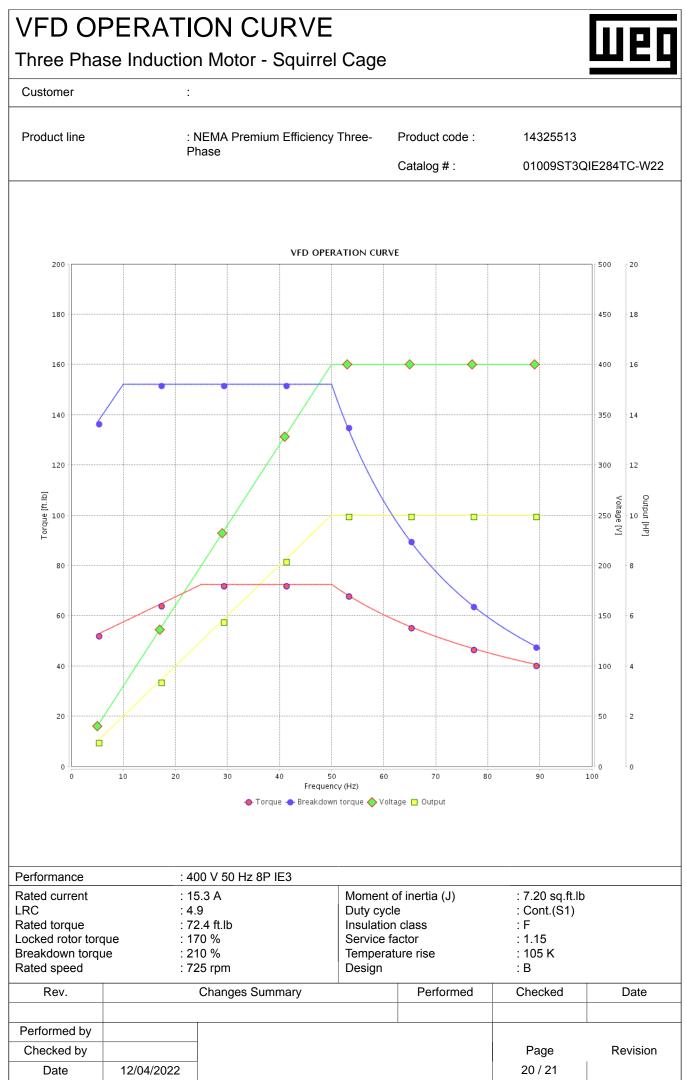
Performance	: 4	15 V 50 Hz 8P IE3						
Rated current	: 1	5.1 A	Moment of inertia (J)		: 7.20 sq.ft.lb			
LRC	: 5			Duty cycle				
Rated torque	: 7	1.9 ft.lb			: F			
Locked rotor tor	que : 1	90 %	Service factor		: 1.15			
Breakdown torqu	Je : 2	29 %	Temperat		Temperature rise		: 105 K	
Rated speed	: 7	30 rpm	Design		: B			
Heating constan	t							
Cooling constant	t							
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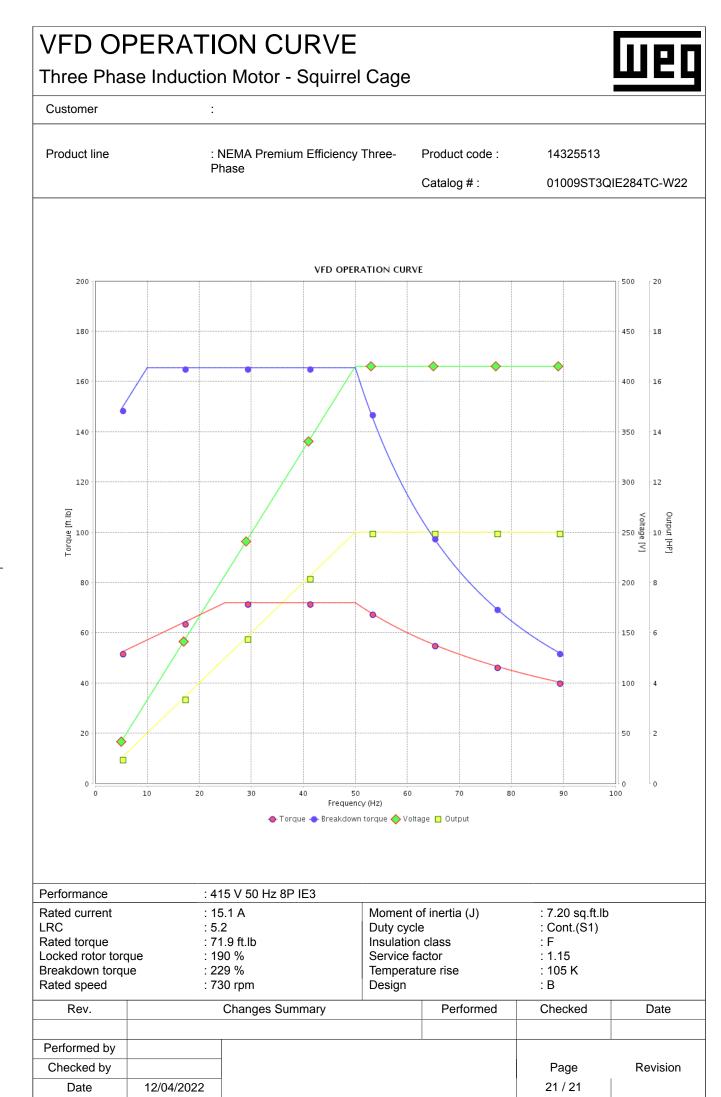


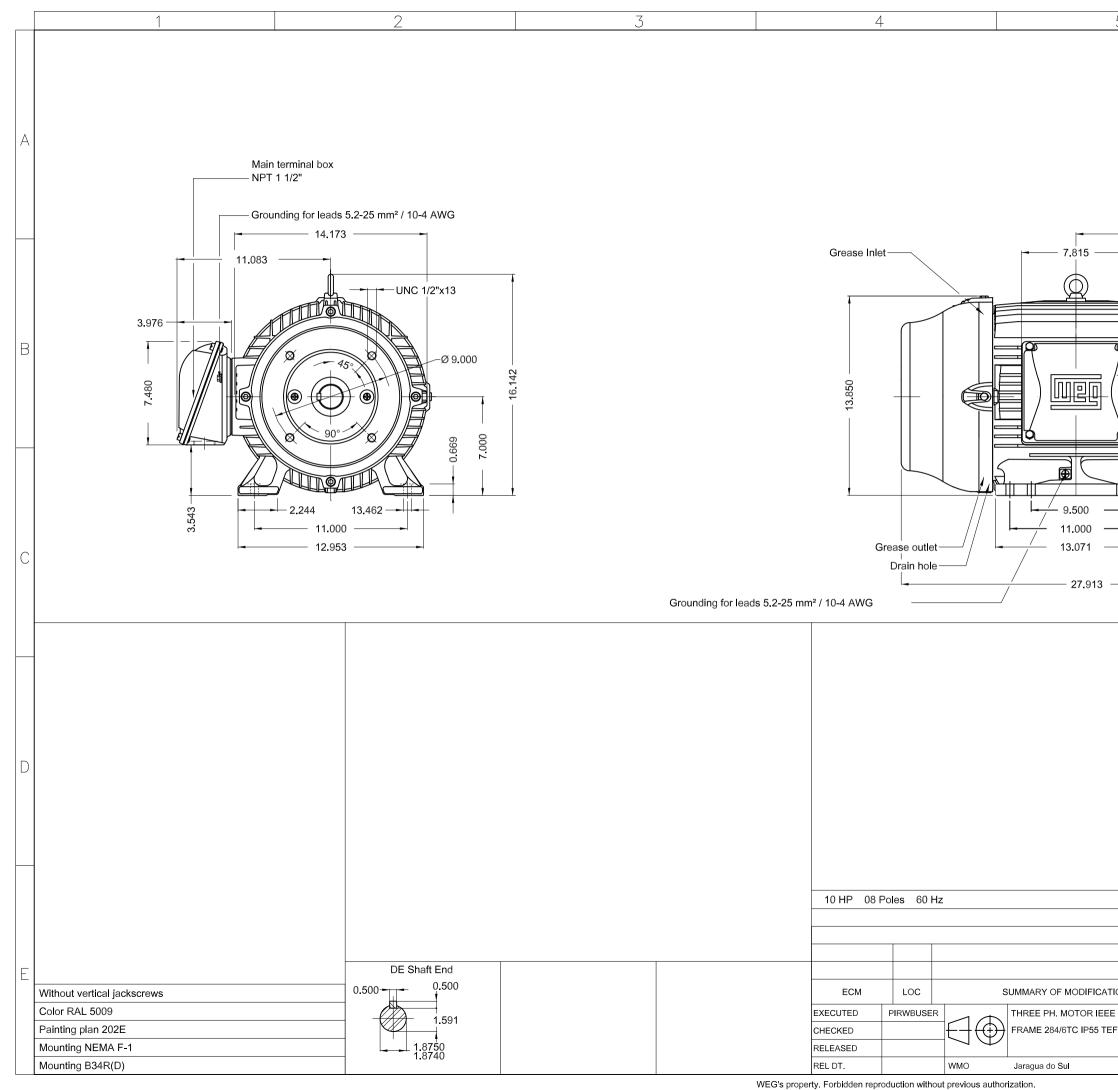




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