DATA SHEET

Three Phase Induction Motor - Squirrel Cage

:



Customer

Product line		: NEMA Premium Efficiency Three- Product			oduct code :	14325	14325198	
		i nuoc		Ca	atalog # :	00212XT3E184T		
Frame: 182/4TCooling method: IC411Insulation class: FMounting: F-1Duty cycle: Cont.(S1)Rotation1: Both (Ambient temperature: -20°C to +40°CStarting method: DirectAltitude: 1000 m.a.s.l.Approx. weight3: 135 lbProtection degree: IP55Moment of inertia (J): 0.532		1 - TEFC (CW and CCW) t On Line b 23 sq.ft.lb						
Design : B Output [HP] 2 2 2								
Output [HP] Poles		2		2 6	6		2 6	
Frequency [Hz]		60		50	5		50	
Rated voltage [V]		230/460		380	40		415	
Rated current [A]		6.26/3.13		3.66	3.5		3.56	
. R. Amperes [A]		46.9/23.5		22.0	24		25.3	
_RC [A]		7.5x(Code L)	6.0	0x(Code J)	6.7x(C		7.1x(Code L)	
No load current [A	1	4.00/2.00	0.0	1.80	1.9		2.05	
Rated speed [RPN		1165		955	96		965	
Slip [%]		2.92		4.50	4.0		3.50	
Rated torque [ft.lb]		9.02		11.0	10		10.9	
_ocked rotor torqu		300		220	26		300	
Breakdown torque		330		240	27		300	
Service factor	L'*J	1.15		1.00	1.0		1.00	
Temperature rise		80 K		80 K	80		80 K	
_ocked rotor time		82s (cold) 46s (hot)	95s (cold) 53s (h				75s (cold) 42s (hot)	
Noise level ²		52.0 dB(A)		9.0 dB(A)	49.0 0		49.0 dB(A)	
	25%	82.5	87.5		86		85.1	
Efficiency (%)	50%	84.5		87.0	86	.5	85.5	
	75%	86.5	87.5		87	.5	87.5	
	100%	88.5	86.5		87		87.5	
	25%	0.26		0.32	0.2		0.27	
Power Factor	50%	0.47	0.53		0.4	19	0.46	
T UWEI FACIUI	75%	0.58		0.65	0.6		0.59	
	100%	0.68		0.72	0.6	69	0.67	
Bearing type		: 6307 2RS 620	r <u>ive end</u>)6 2RS	Max. tracti	on	: 141 lb		
Sealing		: Oil Seal Lip	o Seal	Max. comp	pression	: 276 lb	1	
Lubrication interv		: -	-					
Lubricant amoun	t	-	-					
Lubricant type		: Mobil Polyrex I	=M					
Notes USABLE @208V	6.92A SF 1.	15 SFA 7.96A						
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, w e shaft end. olerance of +3dB(A). ct to changes after	hich		•		sts with sinusoidal stipulated in NEMA	
Rev.		Changes Summary	1		Performed	Checke	d Date	
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Date	14/04/202	$\frac{2}{100000000000000000000000000000000000$						

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ID	Application	Thermal protection Type	Quantity	Sonaina	Femperature
1	Winding	Thermostat - 2 wires	1 x Phase	15	55 °C
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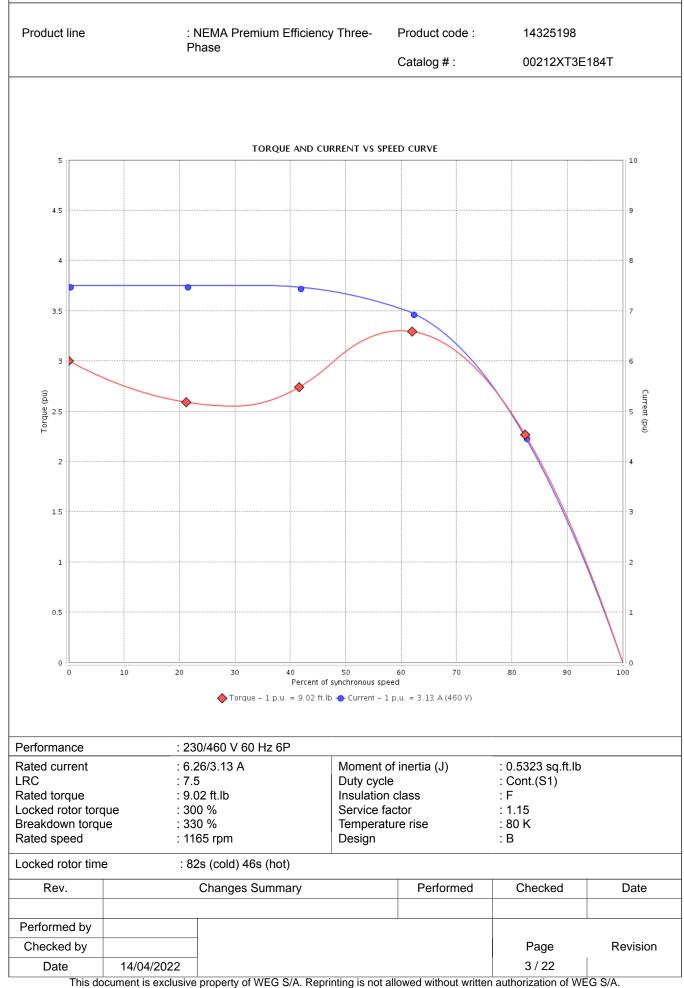
TORQUE AND CURRENT VS SPEED CURVE

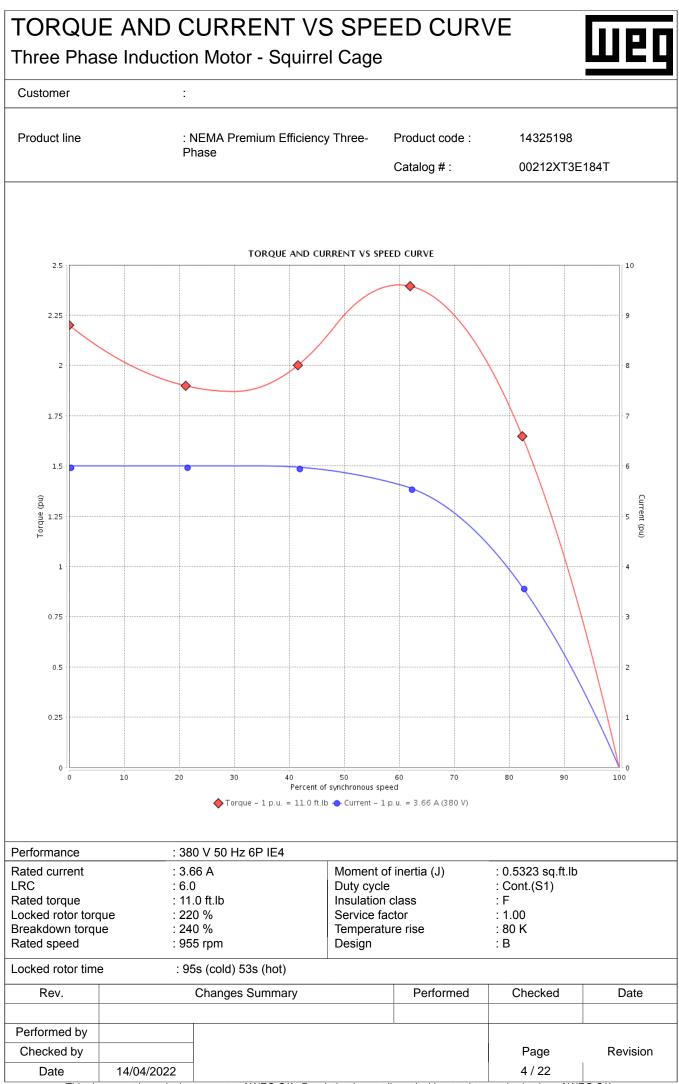
Three Phase Induction Motor - Squirrel Cage

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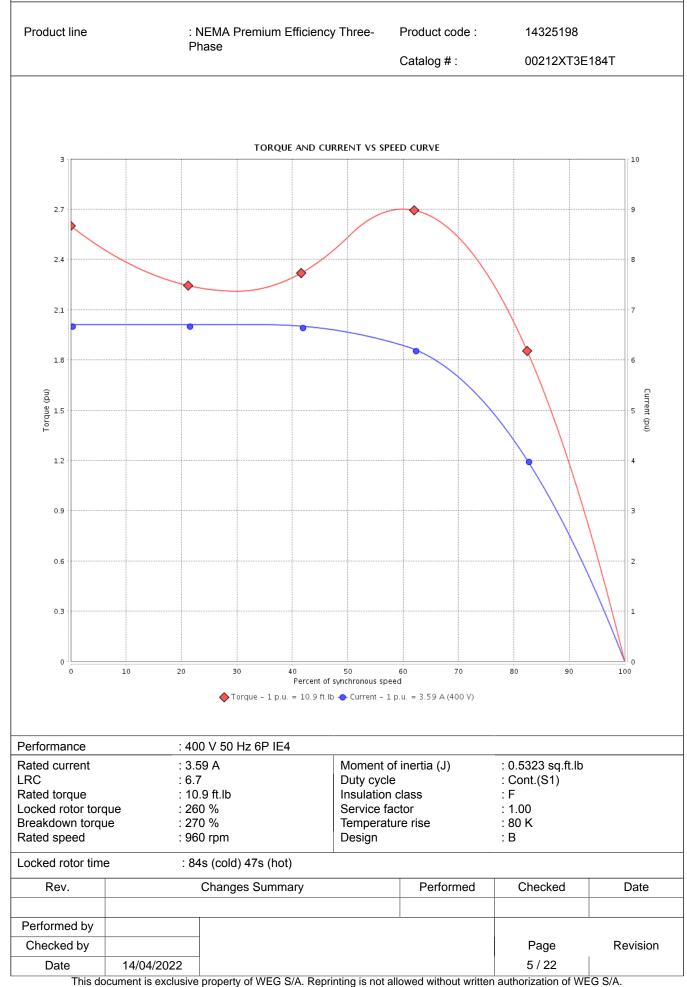
TORQUE AND CURRENT VS SPEED CURVE

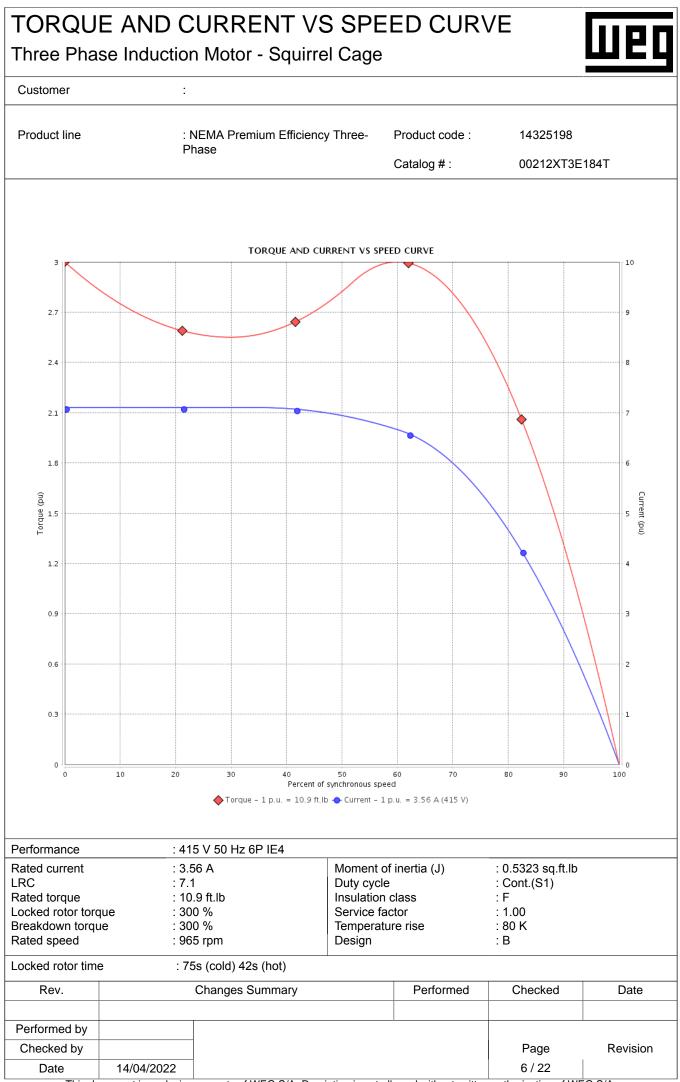
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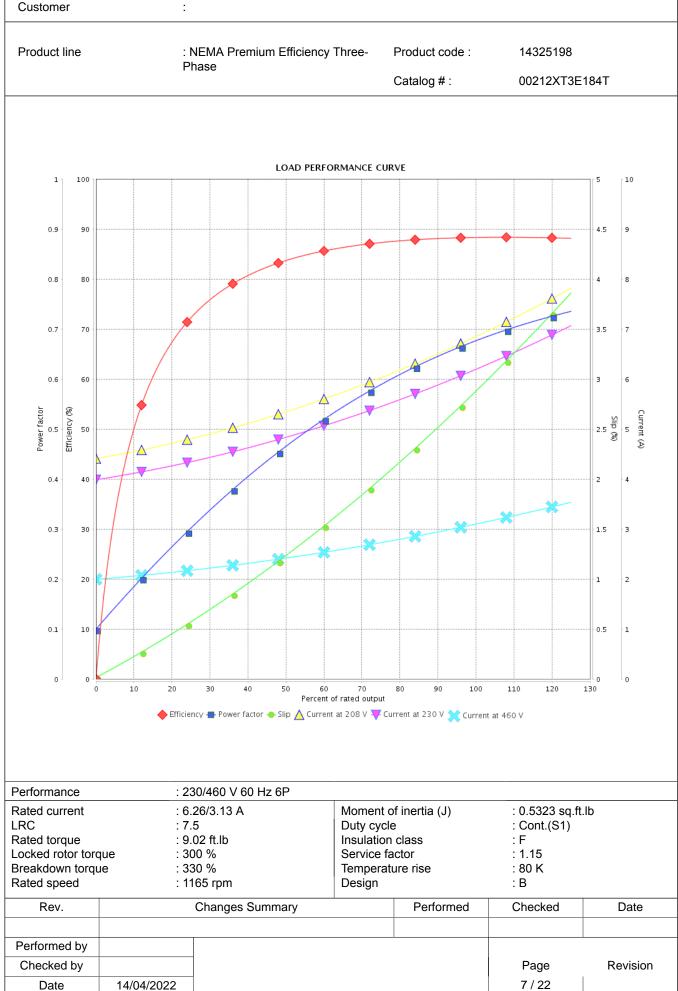




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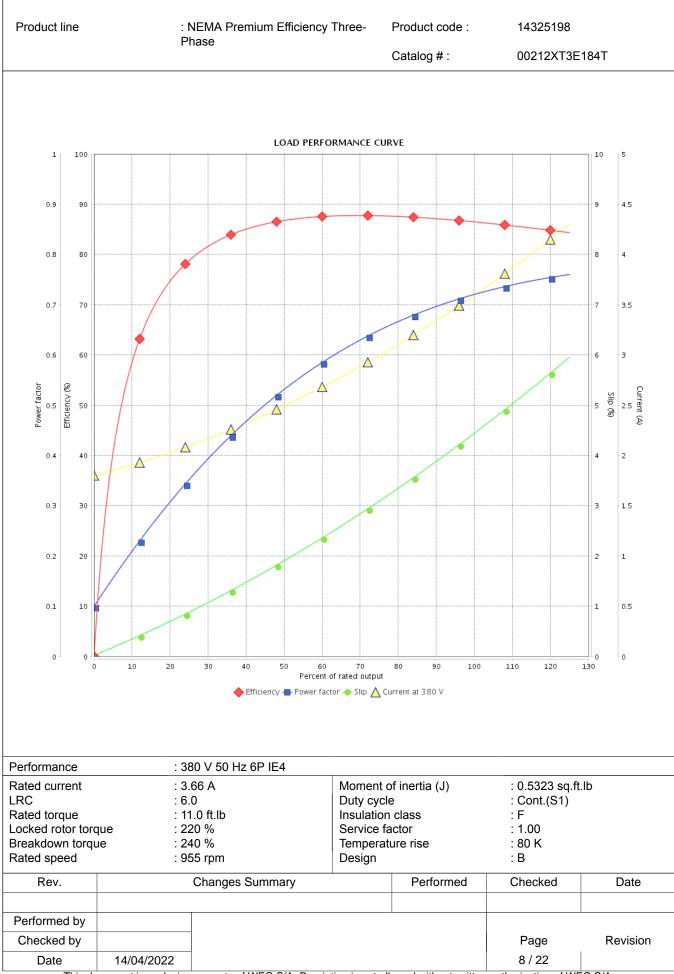
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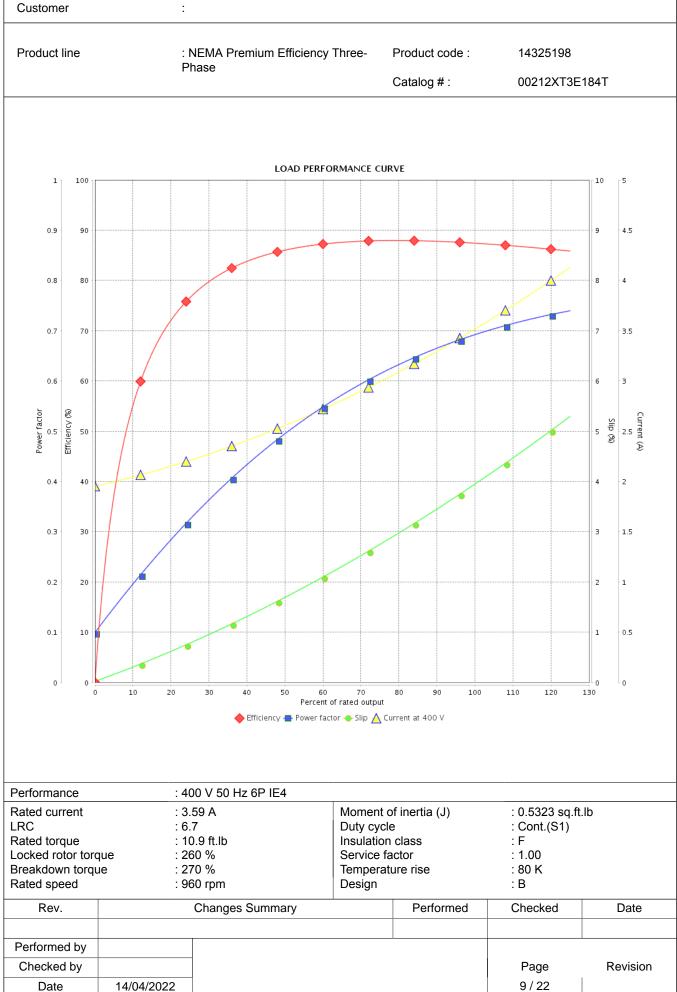


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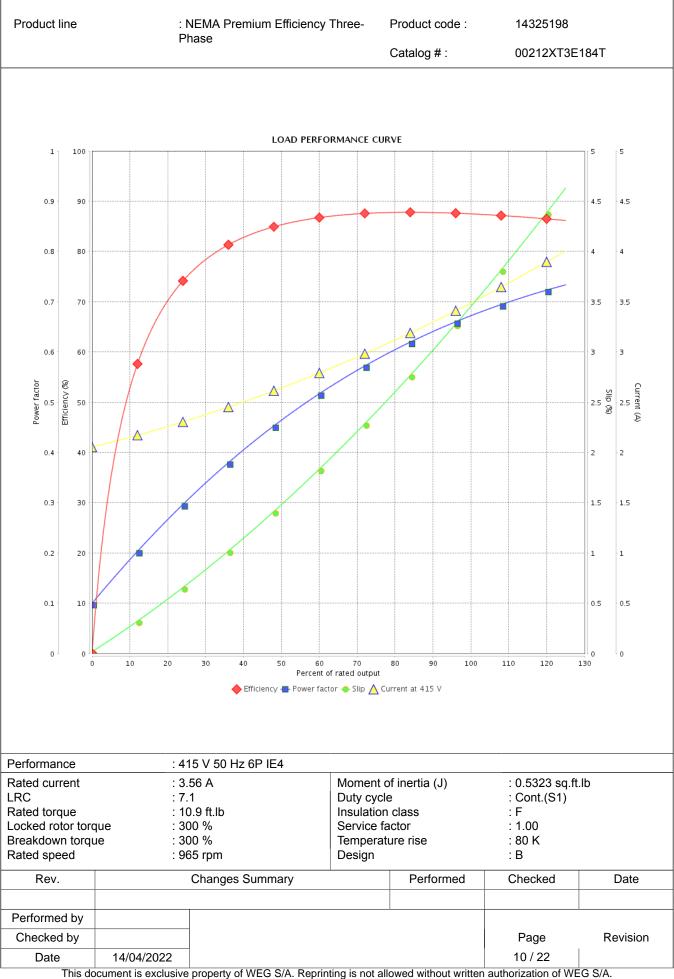
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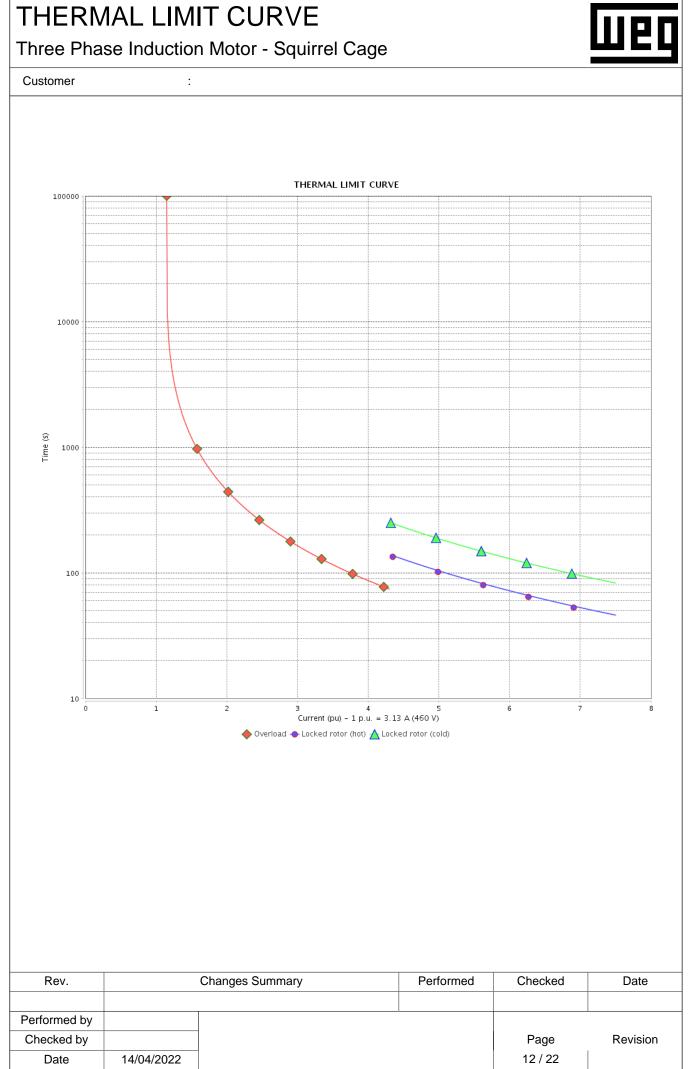
Three Phase Induction Motor - Squirrel Cage

Customer

Product line	: NEMA Premium Efficiency Three-	Product code :	14325198
	Phase	Catalog # :	00212XT3E184T

Шеq

Performance	: 23	30/460 V 60 Hz 6P				
Rated current LRC Rated torque Locked rotor toro Breakdown torqu Rated speed	: 7. : 9. jue : 30 ie : 33	26/3.13 A .5 .02 ft.lb .00 % 30 % 165 rpm	Moment of inertia (J) Duty cycle Insulation class Service factor Temperature rise Design		: 0.5323 sq.ft. : Cont.(S1) : F : 1.15 : 80 K : B	lb
Heating constant	t					
Cooling constant	:					
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Checked by		-			Page	Revision
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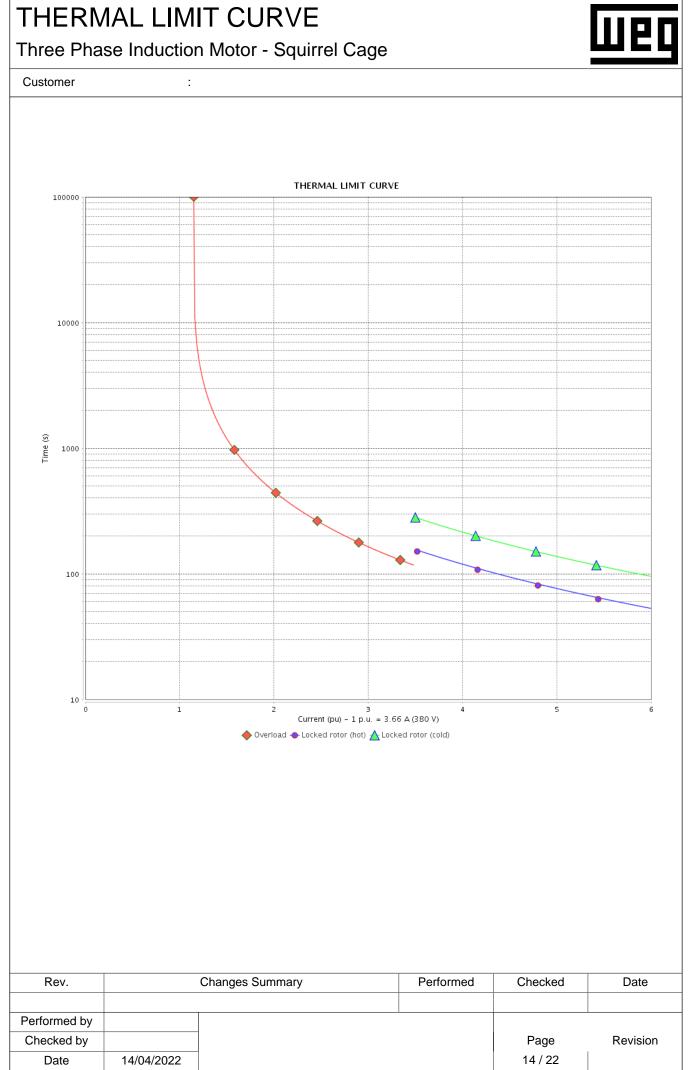
Three Phase Induction Motor - Squirrel Cage

Customer

Product line	: NEMA Premium Efficiency Three-	Product code :	14325198
	Phase	Catalog # :	00212XT3E184T

Шеq

Performance	: 3	80 V 50 Hz 6P IE4				
Rated current LRC Rated torque Locked rotor toro Breakdown torqu Rated speed	: 6 : 1 iue : 2 ie : 2	.66 A Moment of inertia (J)		class ctor	: 0.5323 sq.ft. : Cont.(S1) : F : 1.00 : 80 K : B	lb
Heating constant	t					
Cooling constant						
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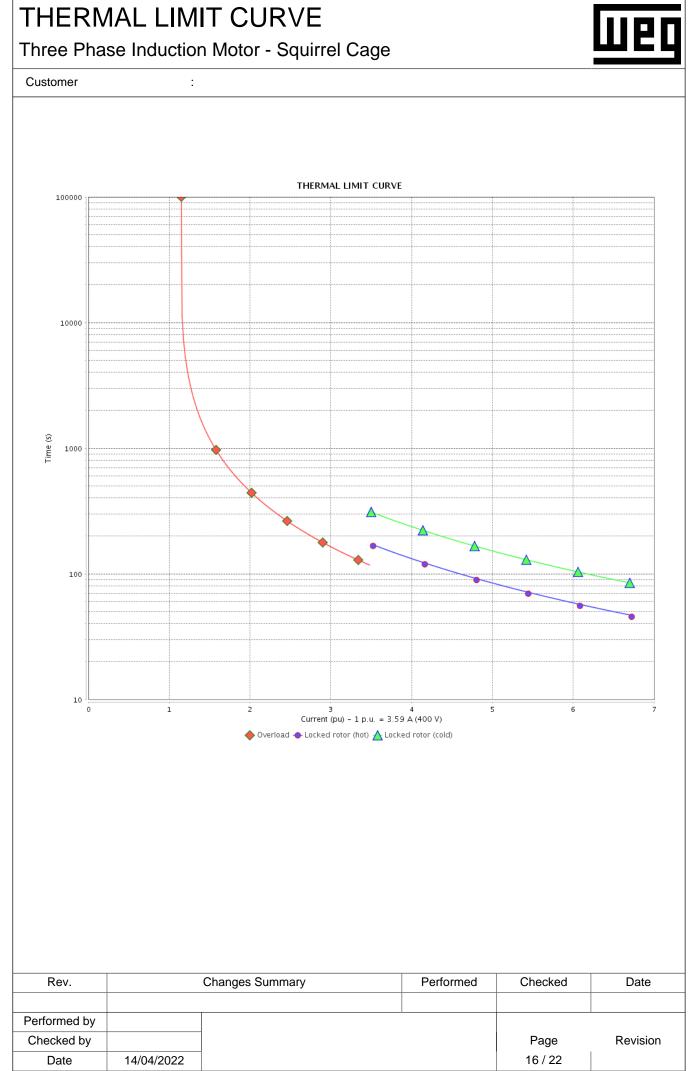
Three Phase Induction Motor - Squirrel Cage

Customer

Product line	: NEMA Premium Efficiency Three-	Product code :	14325198
	Phase	Catalog # :	00212XT3E184T

Шеq

Performance	: 4	00 V 50 Hz 6P IE4				
Rated current LRC Rated torque Locked rotor torc Breakdown torqu Rated speed	: 6 : 1 jue : 2 ie : 2 : 9	6.7 Duty 10.9 ft.lb Insu 260 % Serv 270 % Tem		Moment of inertia (J) Duty cycle Insulation class Service factor Temperature rise Design		lb
Heating constant						
Cooling constant						
Rev.		Changes Summary		Performed	Checked	Date
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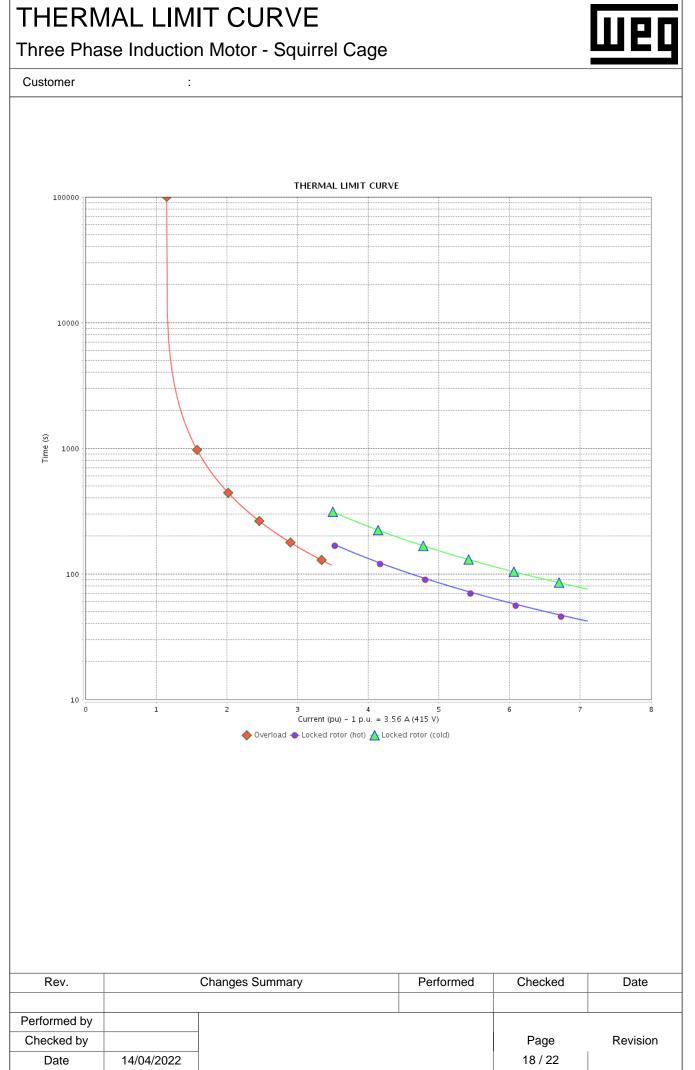
Three Phase Induction Motor - Squirrel Cage

Customer

Catalog # : 00212XT3E184T	Product line	: NEMA Premium Efficiency Three-	Product code :	14325198
		Phase	Catalog # :	00212XT3E184T

Шеq

Performance	: 4	15 V 50 Hz 6P IE4				
Rated current LRC Rated torque Locked rotor toro Breakdown torqu Rated speed	: 7 : 1 jue : 3 ie : 3	.56 A .1 0.9 ft.lb 00 % 00 % 65 rpm	Moment of inertia (J) Duty cycle Insulation class Service factor Temperature rise Design		: 0.5323 sq.ft. : Cont.(S1) : F : 1.00 : 80 K : B	lb
Heating constant						
Cooling constant						
Rev.		Changes Summary		Performed	Checked	Date
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Checked by					Page	Revision
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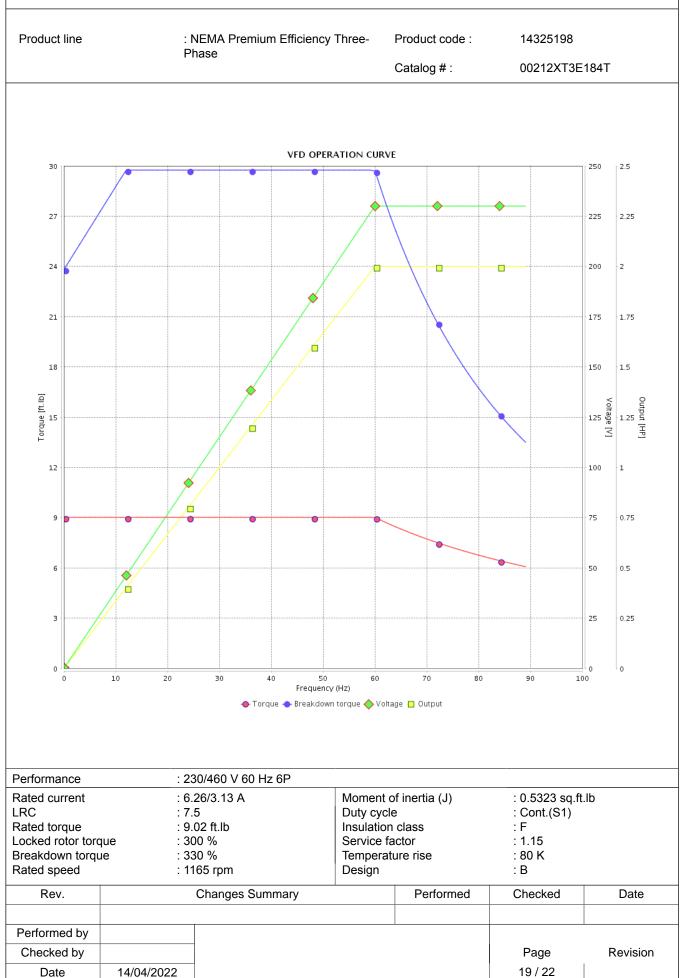
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VFD OPERATION CURVE

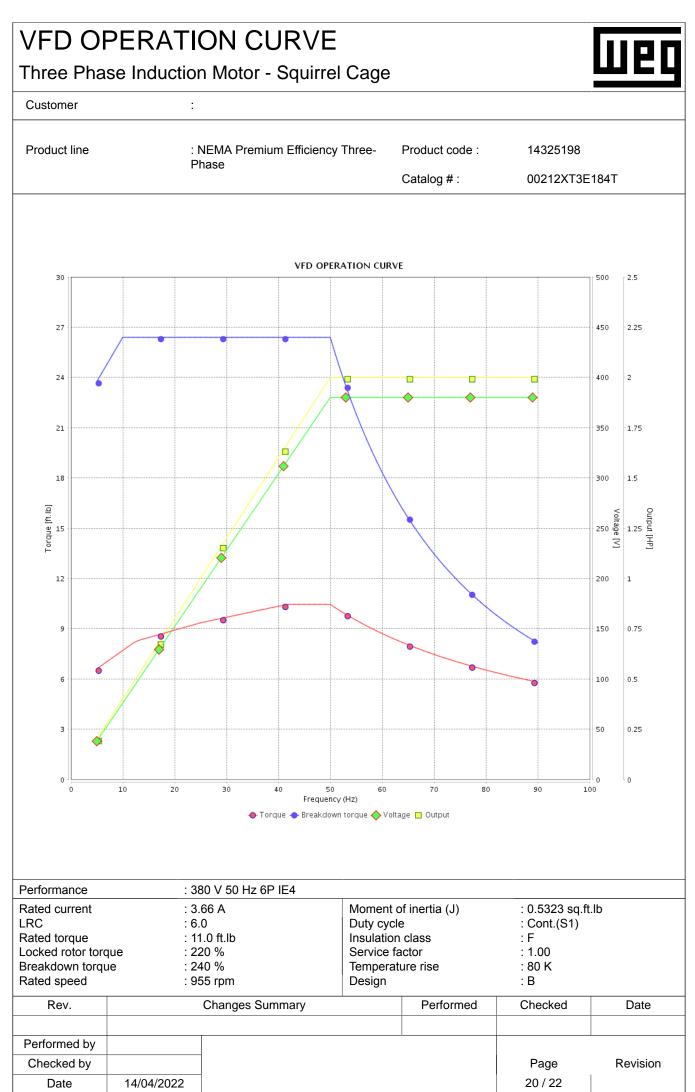
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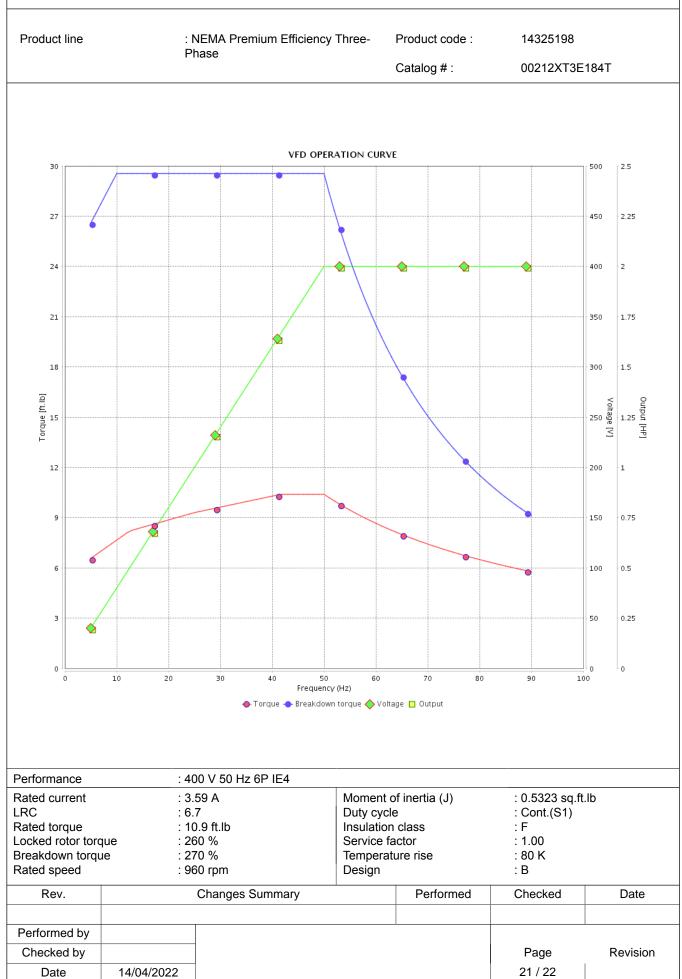


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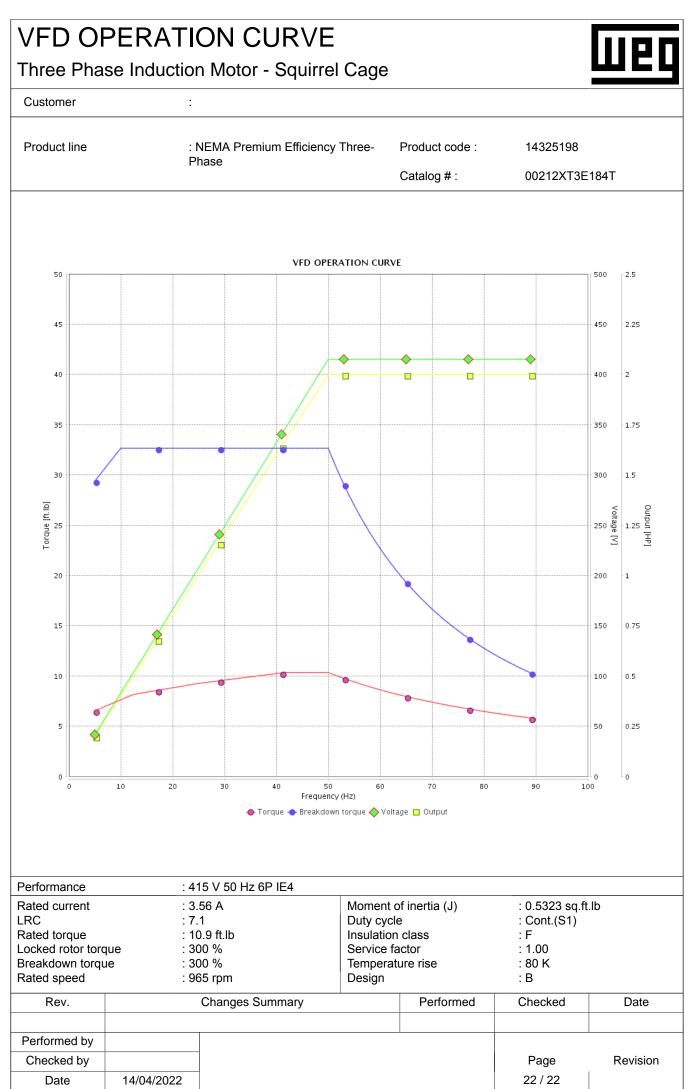


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