DATA SHEET

Three Phase Induction Motor - Squirrel Cage

:



Customer

Product line		: NEMA Premium Efficiency Three- Phase			- Product code :		14390091	
		1 Huge		C	Catalog # :		04018XT3E324T	
Frame Insulation class Duty cycle Ambient temperature Altitude Protection degree Design		: 324T : F : Cont.(S1) : -20°C to +40°C : 1000 m.a.s.l. : IP55 : B		Cooling method Mounting Rotation ¹ Starting method Approx. weight ³ Moment of inertia (J)		: IC411 - TEFC : F-1 : Both (CW and CCW) : Direct On Line : 650 lb : 8.17 sq.ft.lb		
Output [HP]		40		40	4	0	40	
Poles		4		4	4	4	4	
Frequency [Hz]		60		50	-	0	50	
Rated voltage [V]		230/460		380		00	415	
Rated current [A]		96.4/48.2		58.7	56		54.1	
L. R. Amperes [A]		742/371		364		87	400	
LRC [A]		7.7x(Code J)	6.2	2x(Code G)	·	ode H)	7.4x(Code J)	
No load current [A		46.0/23.0		22.8	24		25.3	
Rated speed [RPN	/I]	1780		1470		75	1475	
Slip [%]	_	1.11		2.00		67	1.67	
Rated torque [ft.lb]		118		143		42	142	
Locked rotor torqu		270		200 210		29	250	
Breakdown torque	e [%]		300			40	260	
Service factor			1.15			00	1.00	
Temperature rise		80 K		80 K) K	80 K	
Locked rotor time		34s (cold) 19s (hot)		cold) 25s (ho			45s (cold) 25s (hot)	
Noise level ²	050/	71.0 dB(A)	69.0 dB(A)		69.0		69.0 dB(A)	
	25%	92.8		93.4		2.9	92.7	
Efficiency (%)	50%	93.0		93.0		3.0	92.4	
	75%	94.1	93.0		93		93.6	
	100%	94.1		92.4	93		93.0	
	25%	0.39		0.45		42	0.39	
Power Factor	50%	0.66		0.72		68	0.66	
	75%	0.77		0.81	0.		0.77	
	100%	0.83		0.84	0.8	83	0.83	
Bearing type Sealing			r <u>ive end</u> 12 C3	Foundation Max. tracti Max. comp	on	: 1096 : 1746		
Lubrication interv	val	-	000 h		06331011	. 17401	D	
Lubricant amoun			13 g					
Lubricant type	-	: Mobil Polyrex E						
Notes USABLE @208V	′ 107A SF 1.0	00 SFA 107A						
must be eliminate (1) Looking the m (2) Measured at 1	ed. notor from the 1m and with t weight subjec ocess.	ncel the previous one, where the previous one, where shaft end. olerance of +3dB(A). St to changes after	hich				sts with sinusoidal stipulated in NEMA	
Rev.		Changes Summary			Performed	Checked	d Date	
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Date	12/04/202	2				1/22		
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Thermal protection							
ID	Application	Туре	Quantity		emperature		
1	Winding	Thermostat - 2 wires	1 x Phase	15	5 °C		
Rev.	Chan	ges Summary	Performed	Checked	Date		
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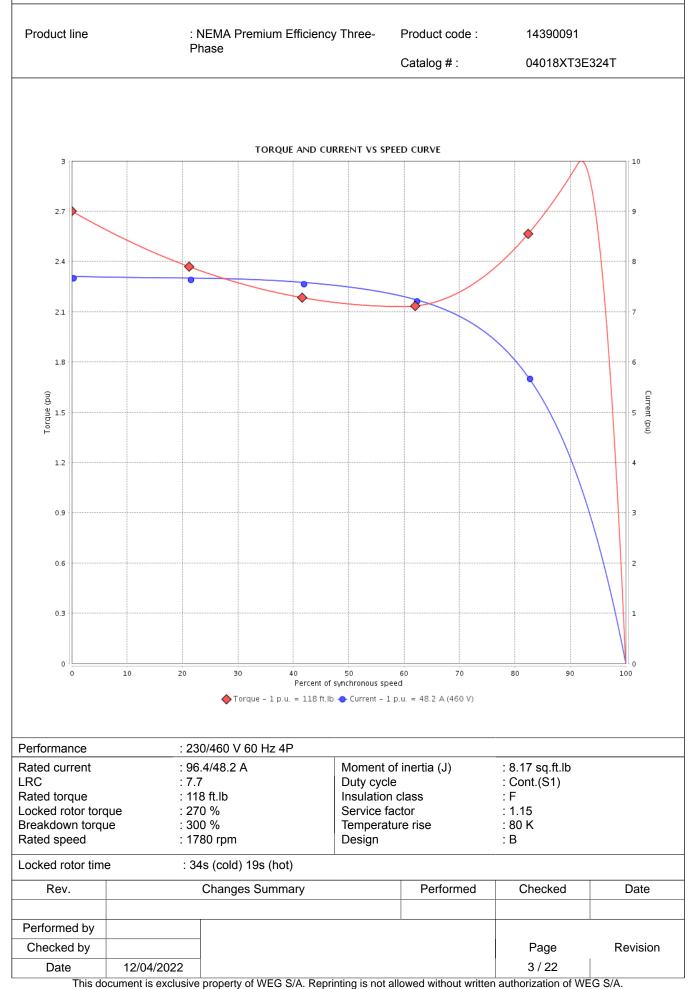
TORQUE AND CURRENT VS SPEED CURVE

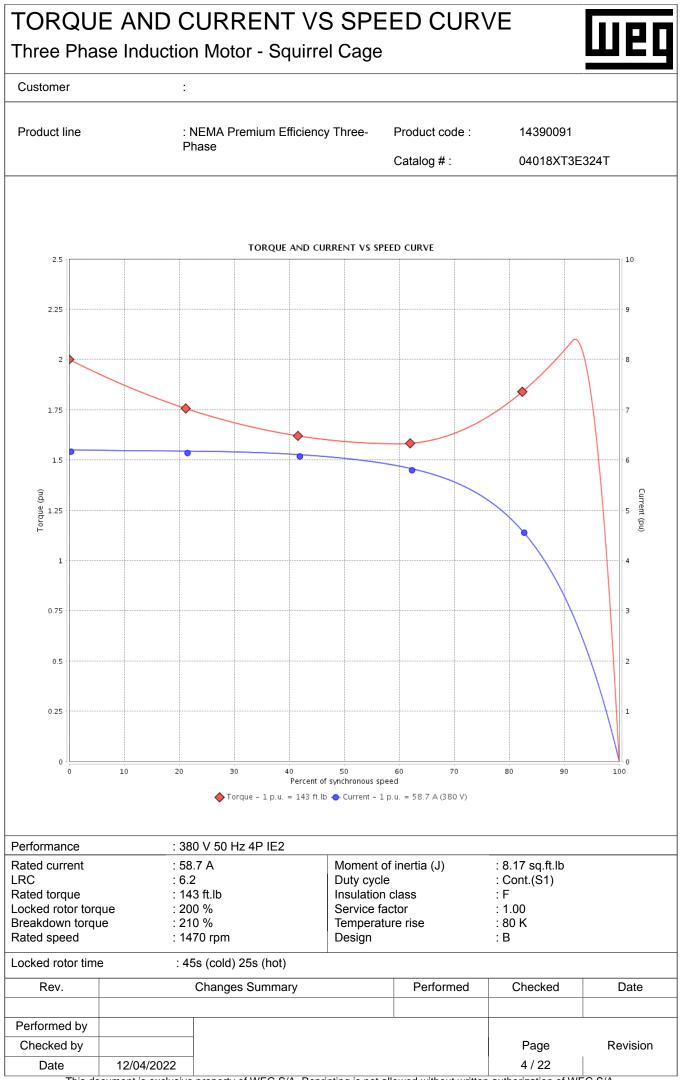
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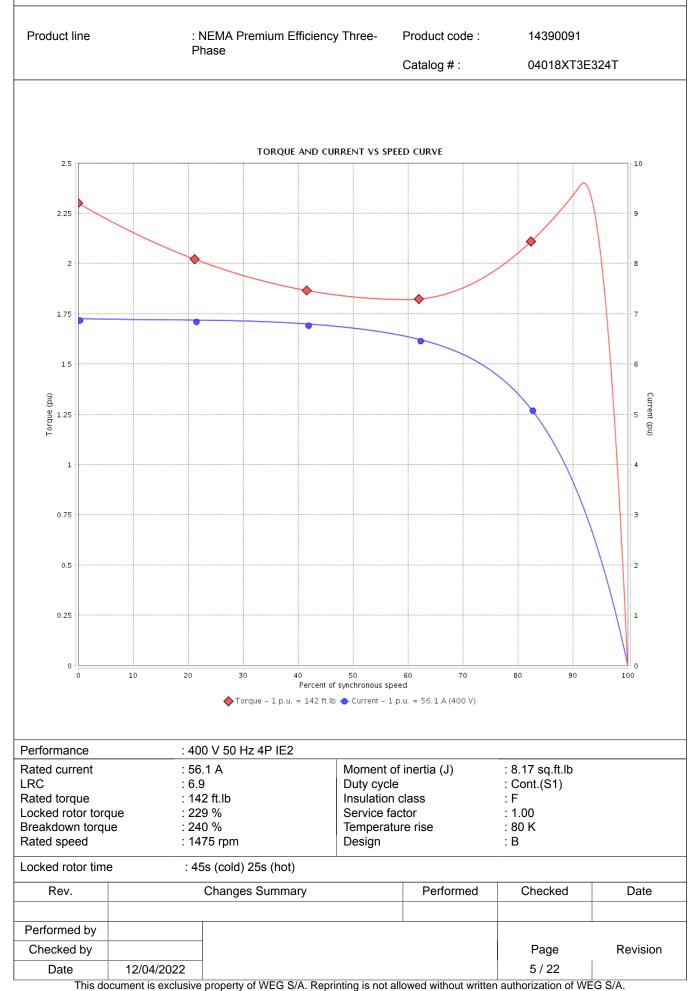
TORQUE AND CURRENT VS SPEED CURVE

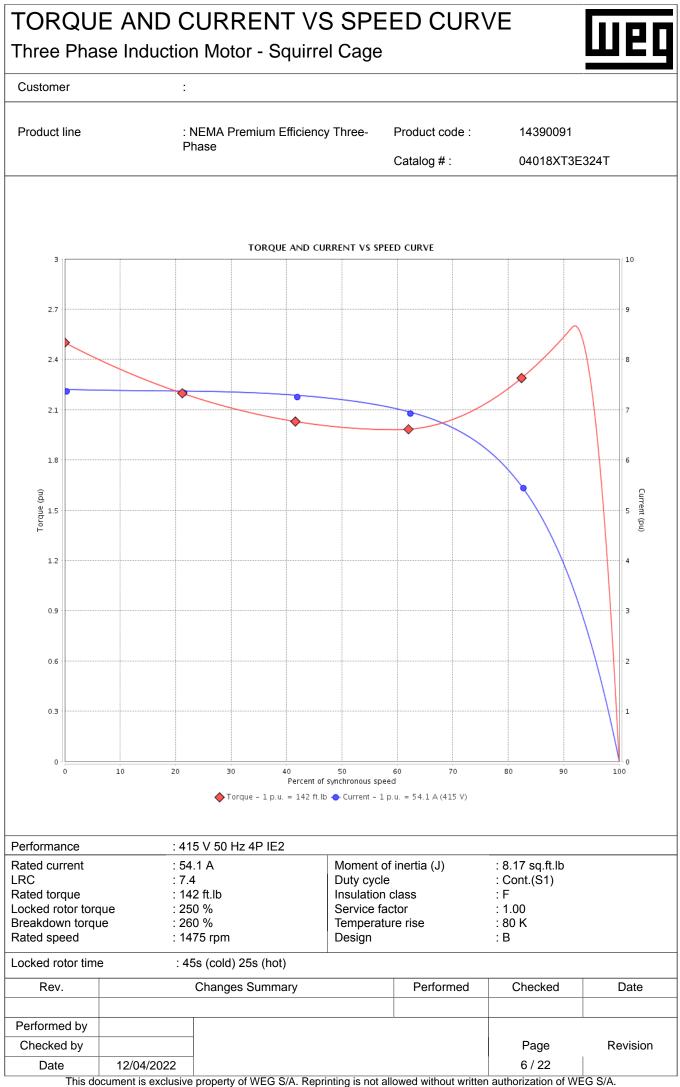
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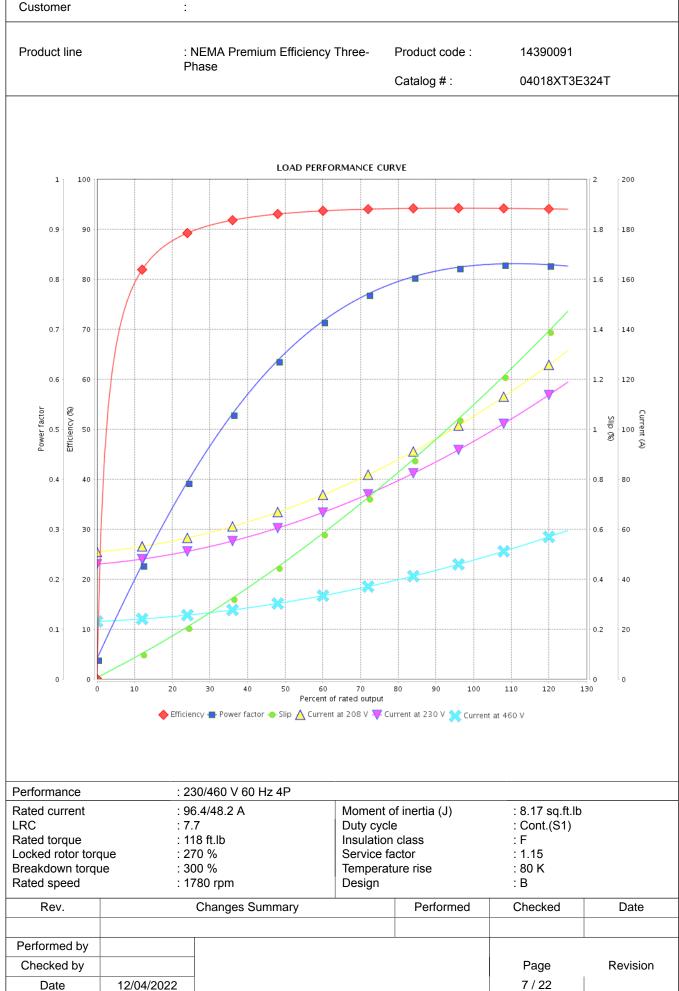






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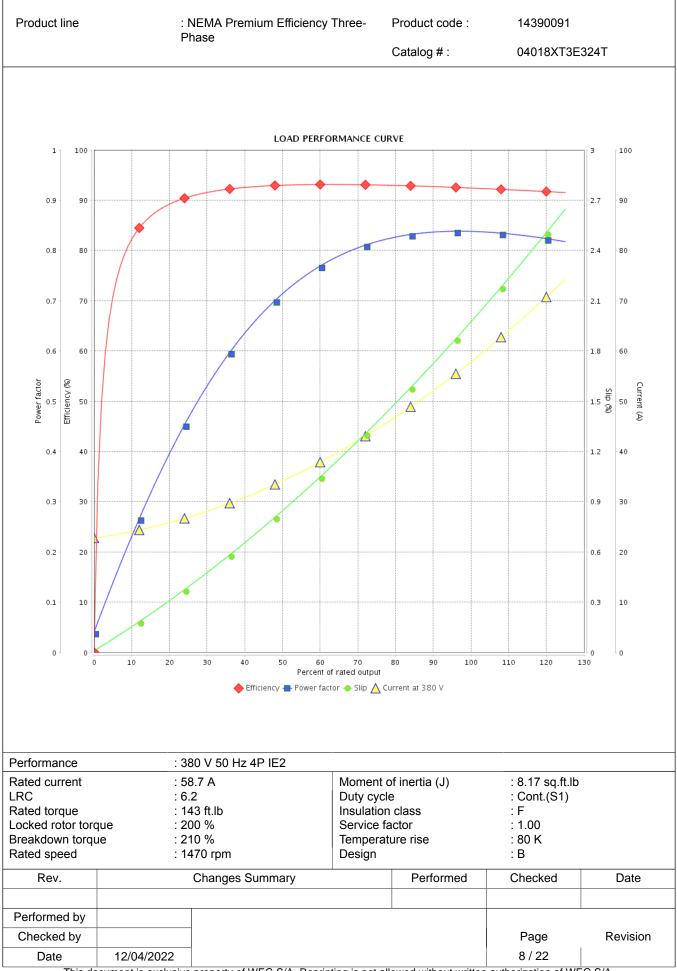
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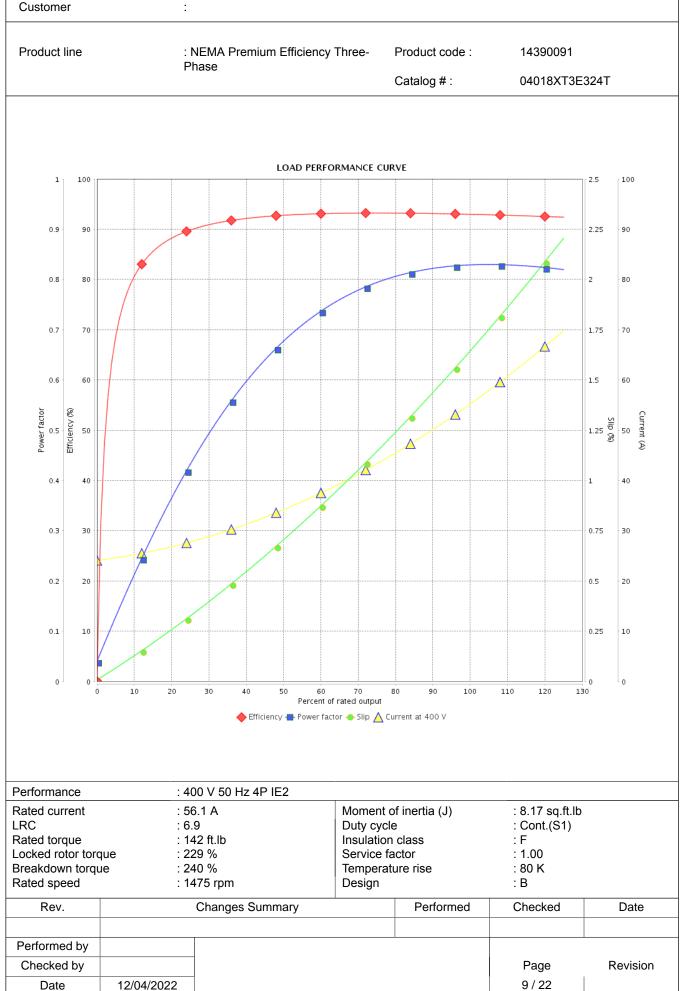


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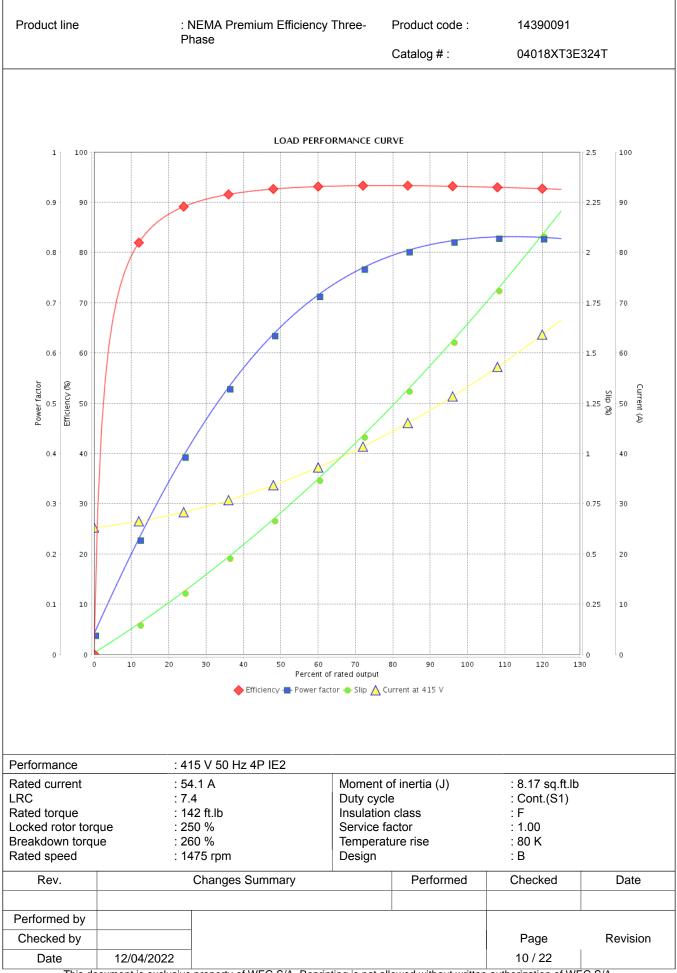
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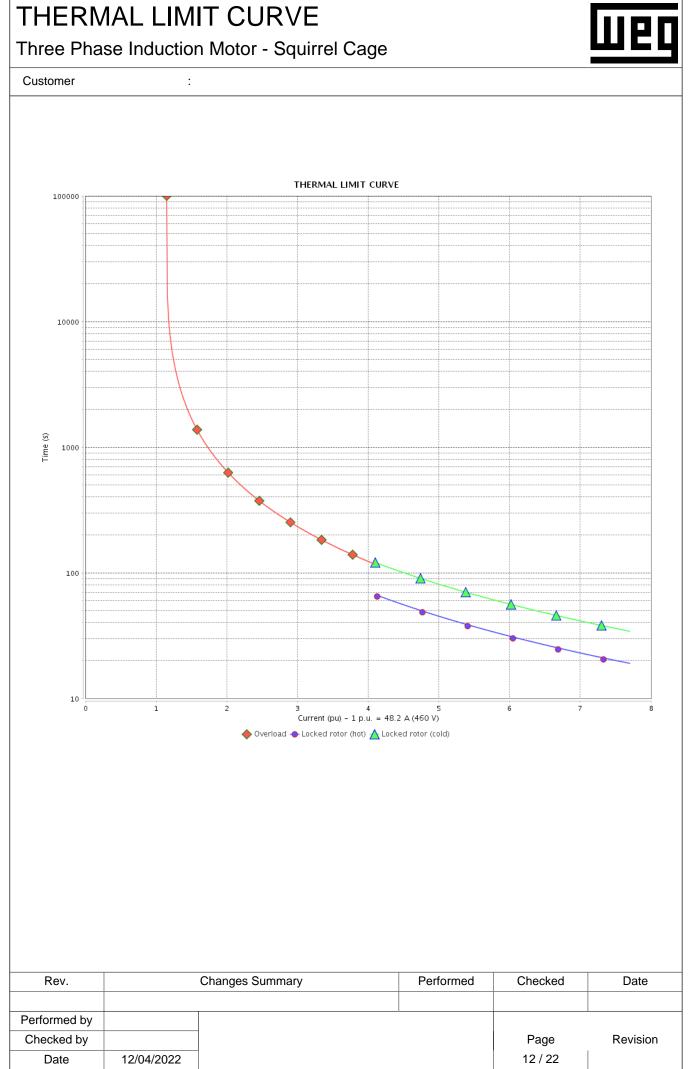
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Customer

	: NEMA Premium Efficiency Three- Phase	Product code :	14390091	
		Catalog # :	04018XT3E324T	

Шед

Performance	: 2	230/460 V 60 Hz 4P				
Rated current LRC Rated torque Locked rotor torq Breakdown torqu Rated speed	ue ::	96.4/48.2 A 7.7 118 ft.lb 270 % 300 % 1780 rpm	Moment of inertia (J) Duty cycle Insulation class Service factor Temperature rise Design		: 8.17 sq.ft.lb : Cont.(S1) : F : 1.15 : 80 K : B	
Heating constant						
Cooling constant						
Rev.		Changes Summary		Performed	Checked	Date
Performed by						
Checked by					Page	Revision
Date	12/04/2022				11 / 22	
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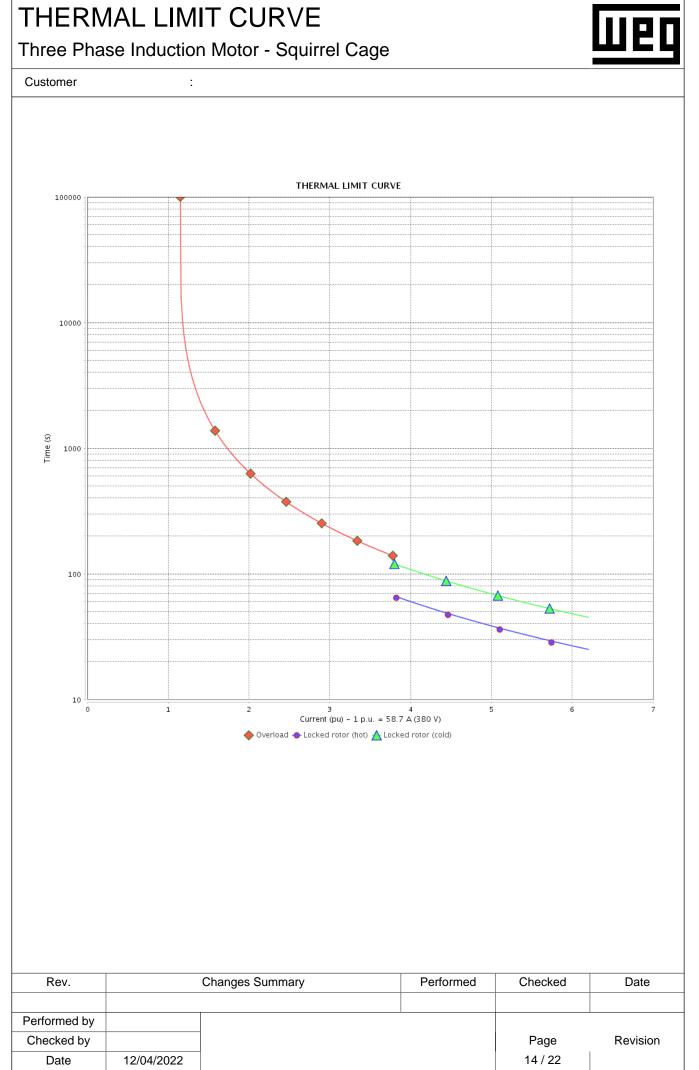
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Customer

	: NEMA Premium Efficiency Three- Phase	Product code :	14390091	
		Catalog # :	04018XT3E324T	

Шед

Performance	: 3	380 V 50 Hz 4P IE2				
Rated current LRC Rated torque Locked rotor torc Breakdown torqu Rated speed	: 6 : 1 jue : 2 ie : 2 : 1			class ctor	: 8.17 sq.ft.lb : Cont.(S1) : F : 1.00 : 80 K : B	
Heating constant						
Cooling constant						
Rev.		Changes Summary		Performed	Checked	Date
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Date	12/04/2022				13 / 22	
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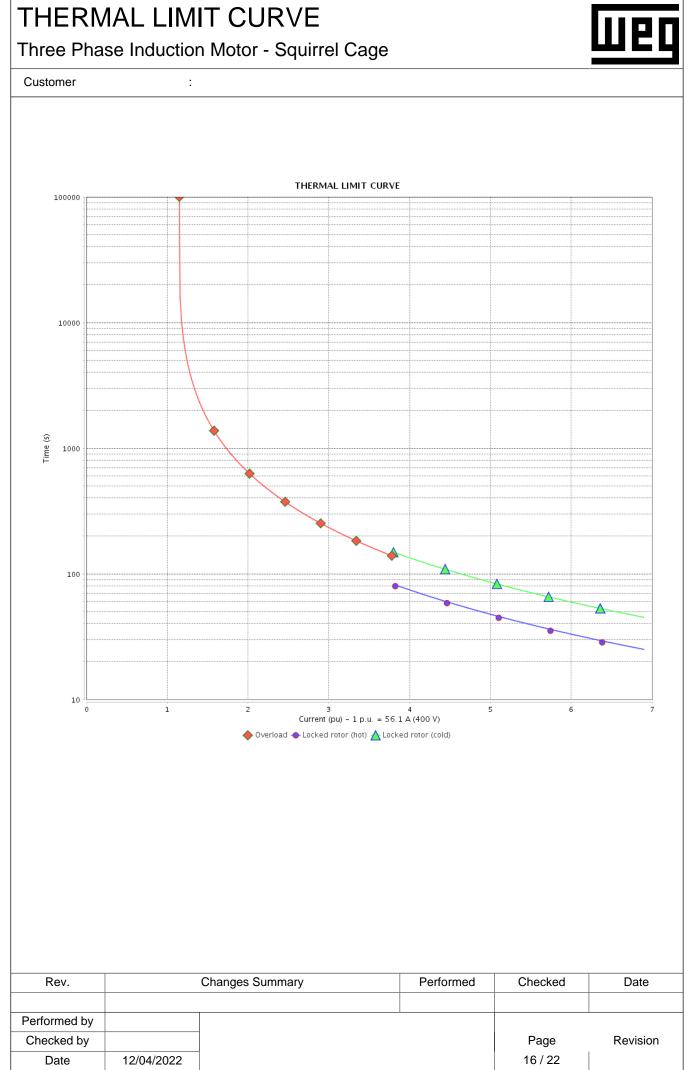
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Product line	: NEMA Premium Efficiency Three- Phase	Product code :	14390091
		Catalog # :	04018XT3E324T

Шед

Performance		: 400 V 50 Hz 4P IE2				
Rated current LRC Rated torque Locked rotor torq Breakdown torqu Rated speed		: 56.1 A : 6.9 : 142 ft.lb : 229 % : 240 % : 1475 rpm	Moment of inertia (J) Duty cycle Insulation class Service factor Temperature rise Design		: 8.17 sq.ft.lb : Cont.(S1) : F : 1.00 : 80 K : B	
Heating constant						
Cooling constant						
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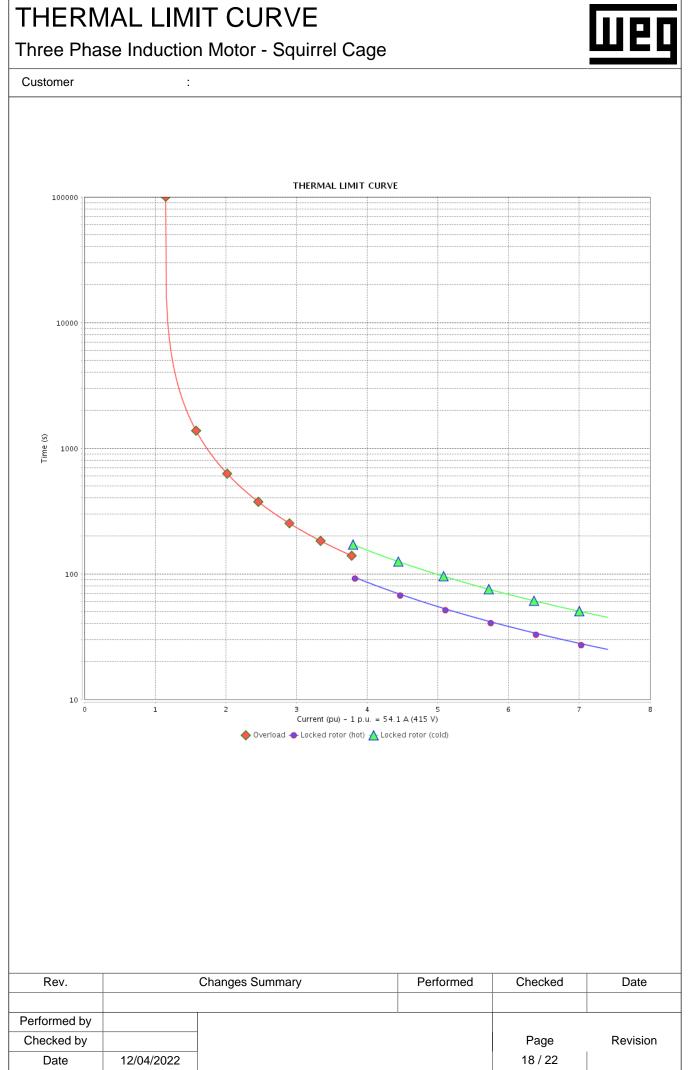
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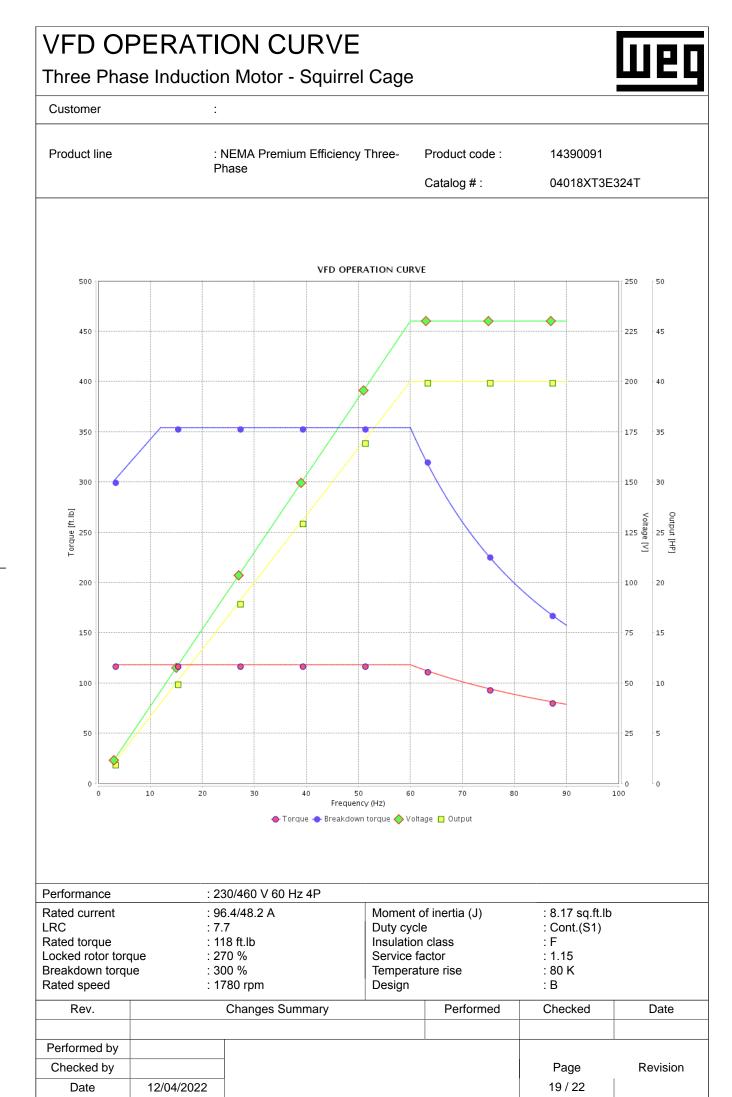
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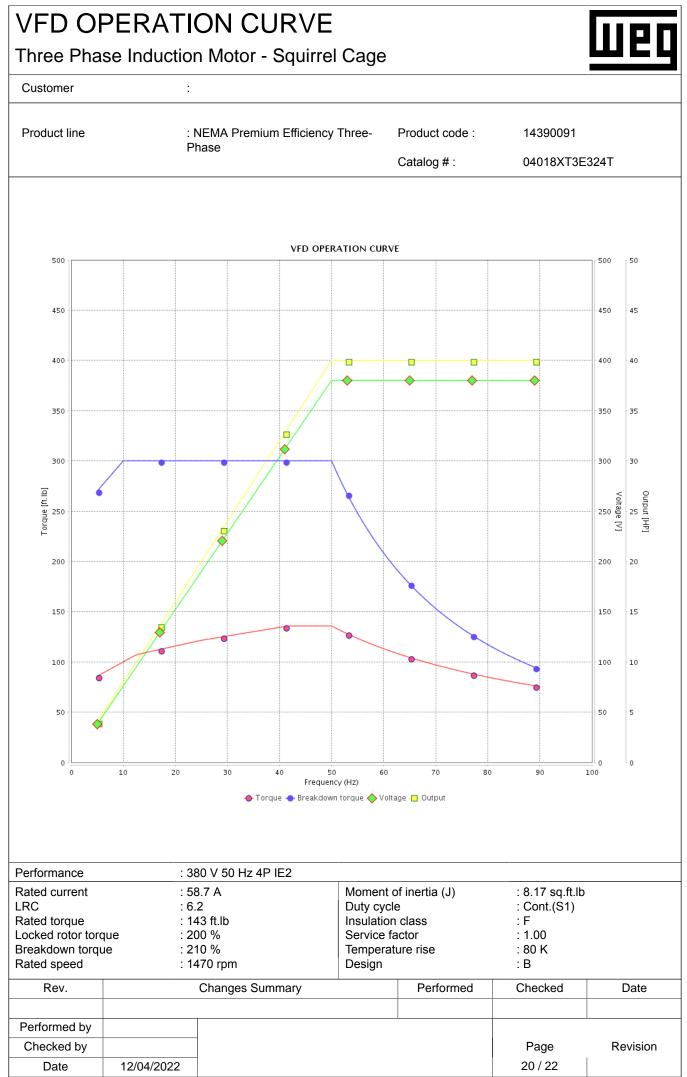
Performance	: 4	15 V 50 Hz 4P IE2				
Rated current LRC Rated torque Locked rotor torc Breakdown torqu Rated speed	14 14 14 19 10 10 10 10 10 10 10 10 10 10 10 10 10	4.1 A 4 42 ft.lb 50 % 60 % 475 rpm	Moment of inertia (J) Duty cycle Insulation class Service factor Temperature rise Design		: 8.17 sq.ft.lb : Cont.(S1) : F : 1.00 : 80 K : B	
Heating constant						
Cooling constant						
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Date	12/04/2022				17 / 22	

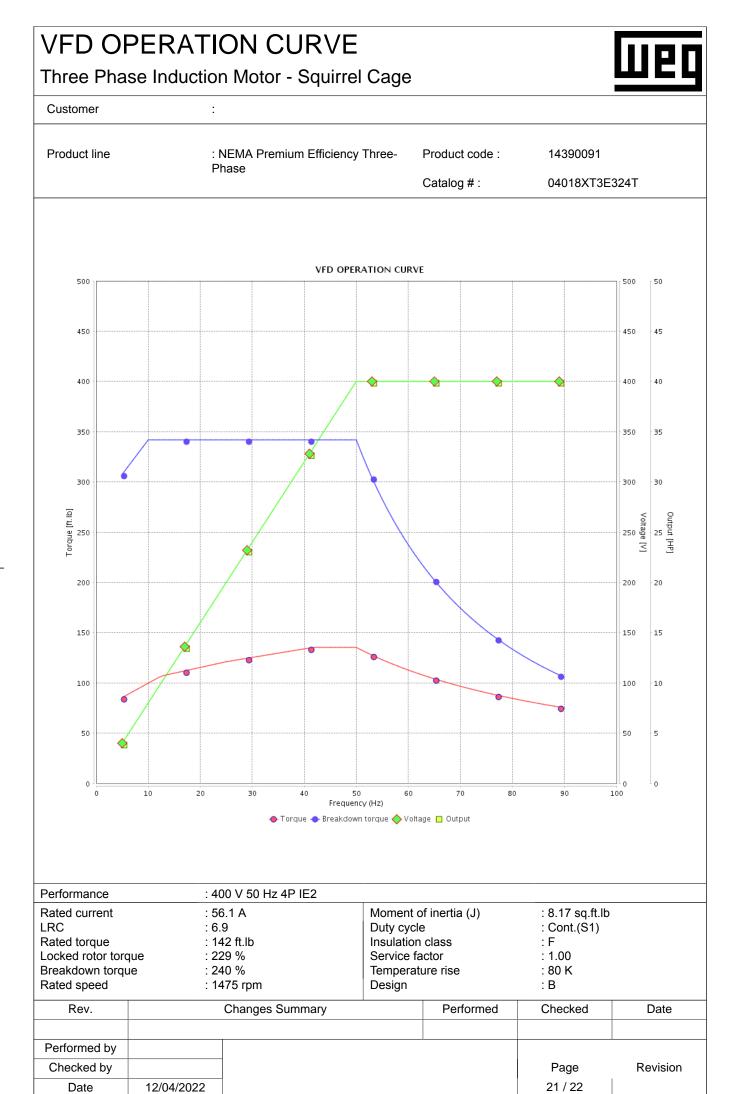


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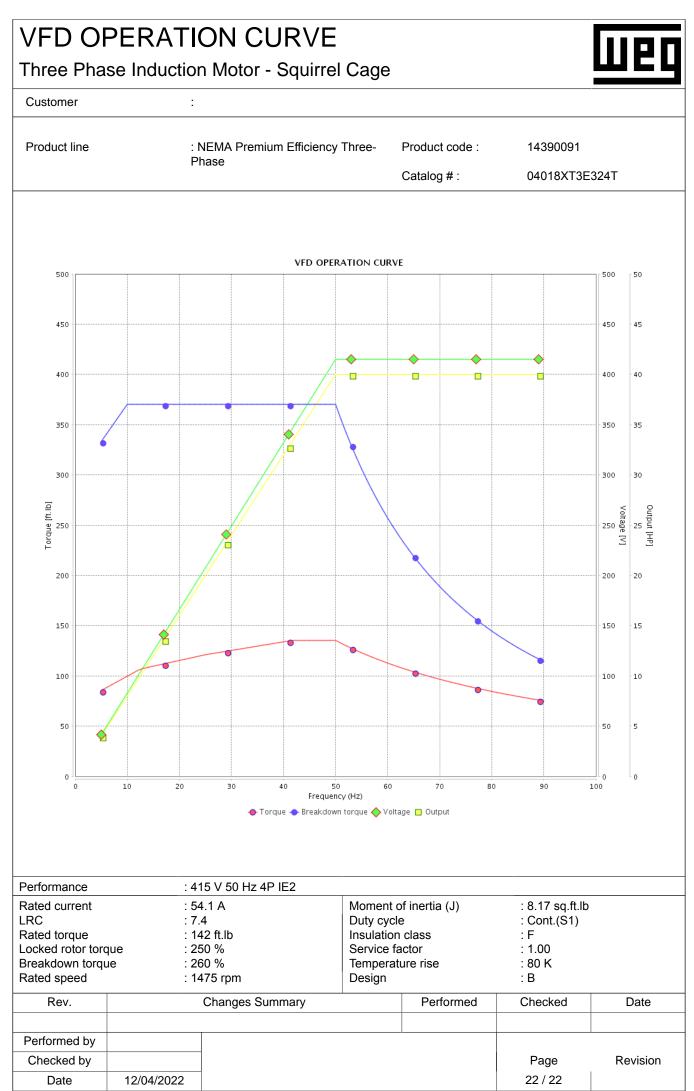


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