## DATA SHEET

Three Phase Induction Motor - Squirrel Cage

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#### Customer

Product line		: NEMA Premium Effic Phase	ciency T	hree- Pr	oduct code :	1440750	)5
		Thase		Ca	atalog # :	03012X <sup>-</sup>	T3E326T
Ambient temperature : -20°C to		: F : Cont.(S1) : -20°C to +40°C : 1000 m.a.s.l. : IP55	326TCooling mer=MountingCont.(S1)Rotation120°C to +40°CStarting mer1000 m.a.s.l.Approx. wei		: F-1 : Both (CV ethod : Direct Or eight <sup>3</sup> : 649 lb		CW and CCW) On Line
Design		: B					
Dutput [HP]		30		30	-	0	30
Poles		6		6		6	6
Frequency [Hz]		60 230/460		50		50	50
Rated voltage [V]				380		00	415
Rated current [A]		73.4/36.7		43.7		2.2 66	40.9 274
. R. Amperes [A]		521/261	E -	249 7x(Codo E)			
RC [A]	1	7.1x(Code H) 34.0/17.0	5.7	7x(Code F)		ode G)	6.7x(Code H)
No load current [A				17.3		3.6	19.7
Rated speed [RPN	/I]	1180		975		75	980
Slip [%]	1	1.67		2.50		50	2.00
Rated torque [ft.lb]		134		162		62	161
ocked rotor torqu		240		180 210		00	229
Breakdown torque	[%]		270			29	250
Service factor			1.15		1.00 1.		1.00
Temperature rise		80 K	AE - /	80 K		) K	80 K
ocked rotor time		45s (cold) 25s (hot)		cold) 25s (ho			45s (cold) 25s (hot)
Noise level <sup>2</sup>	<b>DE</b> 0/	62.0 dB(A)	5	8.0 dB(A)		dB(A)	58.0 dB(A)
	25%	92.2		93.5		2.8	91.5
Efficiency (%)	50%	92.4		92.4		2.4	91.7
	75%	93.0		92.4		2.4	92.4
	100%	93.0		91.0		1.7	92.4
	25%	0.38		0.44		41	0.38
Power Factor	50%	0.63		0.70		67	0.63
	75% 100%	0.75 0.81		0.80 0.84		77 82	0.75 0.81
Bearing type Sealing Lubrication interv Lubricant amoun	/al	Drive end Non dr   : 6312 C3 62   : Oil Seal Lip   : 20000 h 20	<u>ive end</u> 12 C3 Seal 000 h 13 g	1	n loads on	: 1218 lb : 1867 lb	
Lubricant type		: Mobil Polyrex E					
USABLE @208V	81.2A SF 1.7	15 SFA 93.3A					
must be eliminate (1) Looking the m	ed. otor from the m and with to veight subjec ocess.	olerance of +3dB(A).	hich				s with sinusoidal tipulated in NEMA
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ID	Application	Thermal protection Type	Quantity	Sonaina	Femperature
1	Winding	Thermostat - 2 wires	1 x Phase	15	55 °C
Dev			Derferre!	Oh e elso al	D-1-
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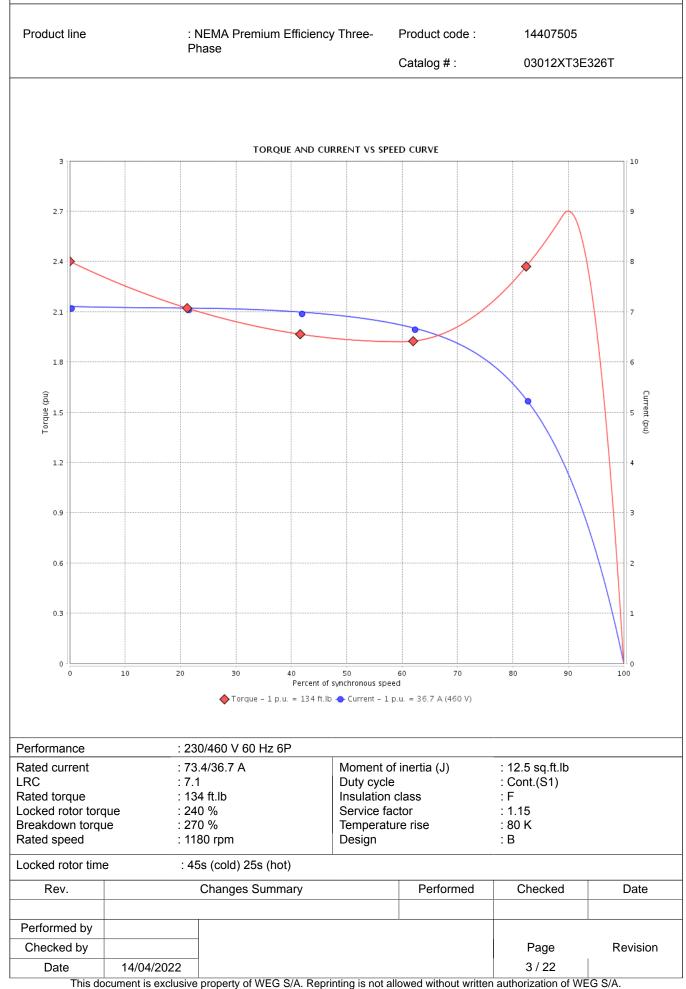
### TORQUE AND CURRENT VS SPEED CURVE

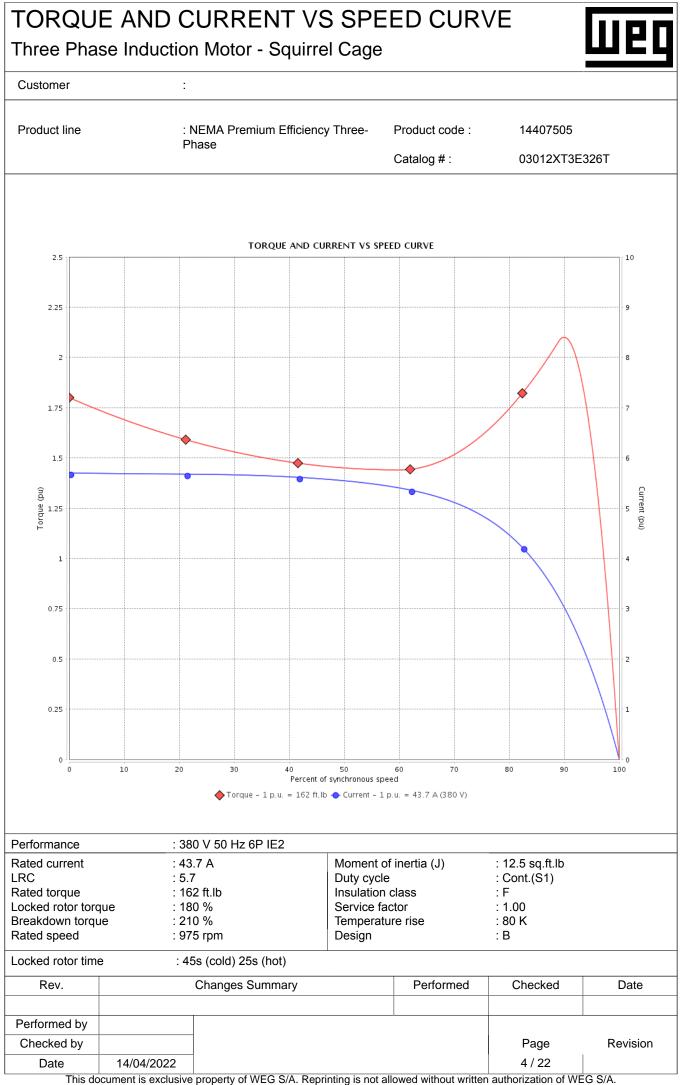
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Customer





### TORQUE AND CURRENT VS SPEED CURVE

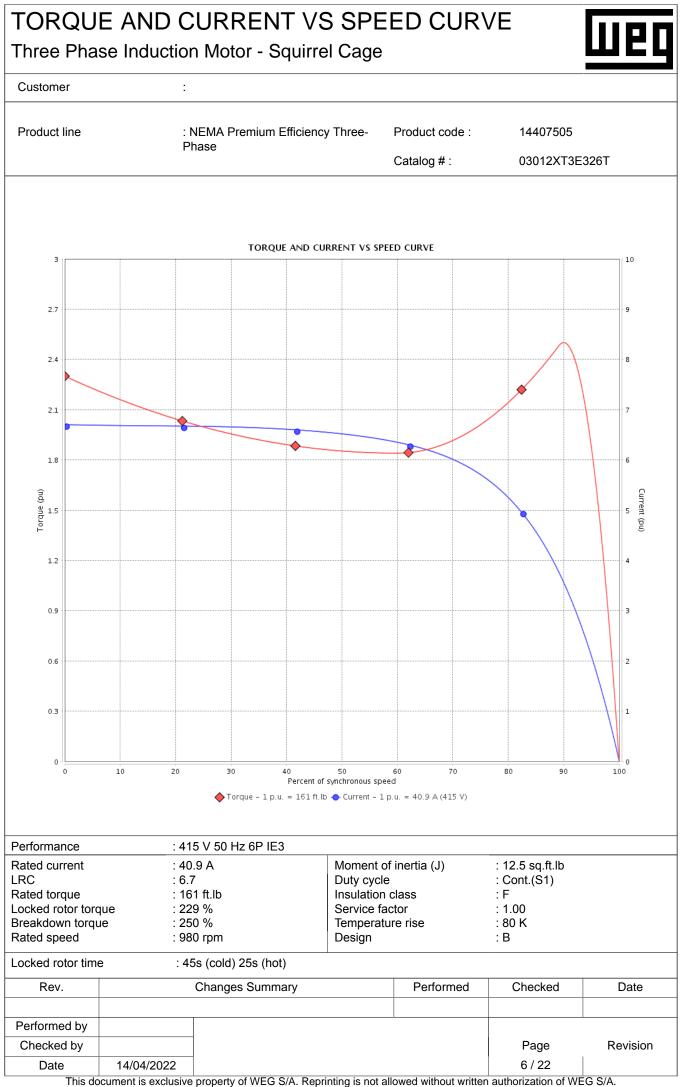
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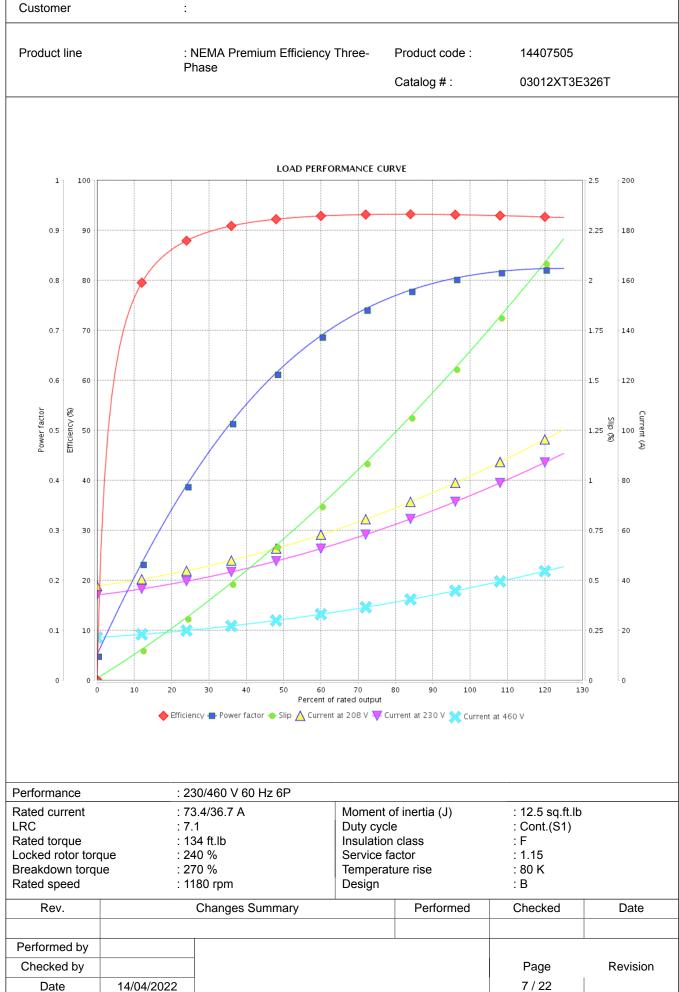


ED CURVE	03012XT3E3	
ED CURVE		
ED CURVE		
		7 6 
		7 6 
		G Current (pu)
		G Current (pu)
		Current (pu)
		Current (pu)
		4
		4
		2
		1
60 70	80 90	100
ed p.u. = 42.2 A (400 V)		
	: 12.5 sq.ft.lb : Cont (S1)	
class	: F	
	: 80 K	
	: B	
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	f inertia (J) class ctor ure rise Performed	f inertia (J) : 12.5 sq.ft.lb e : Cont.(S1) class : F ctor : 1.00 ure rise : 80 K : B Performed Checked



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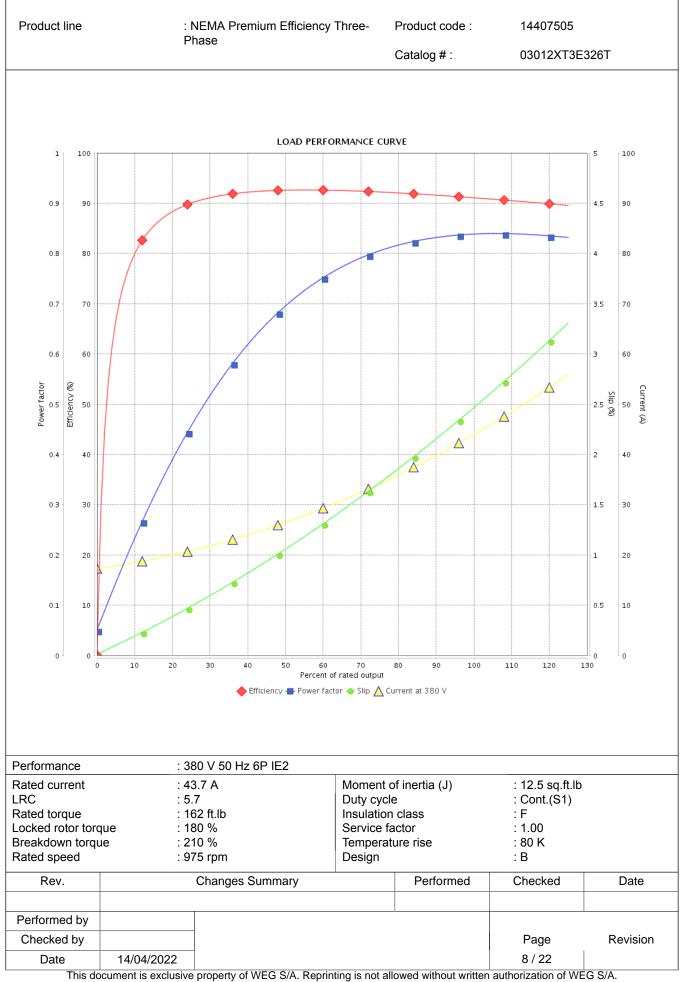
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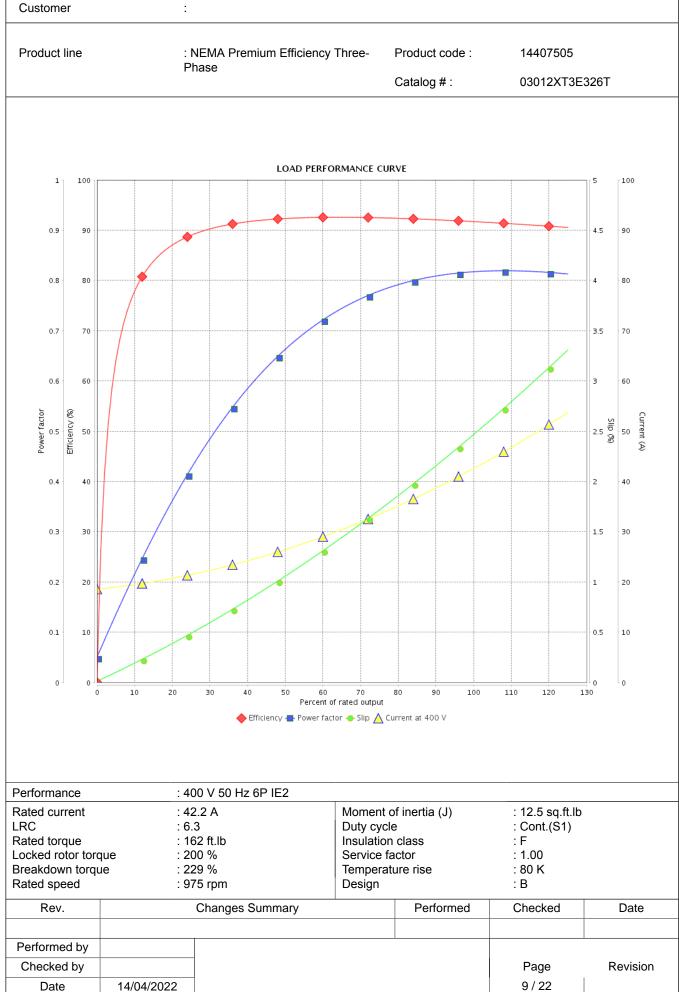


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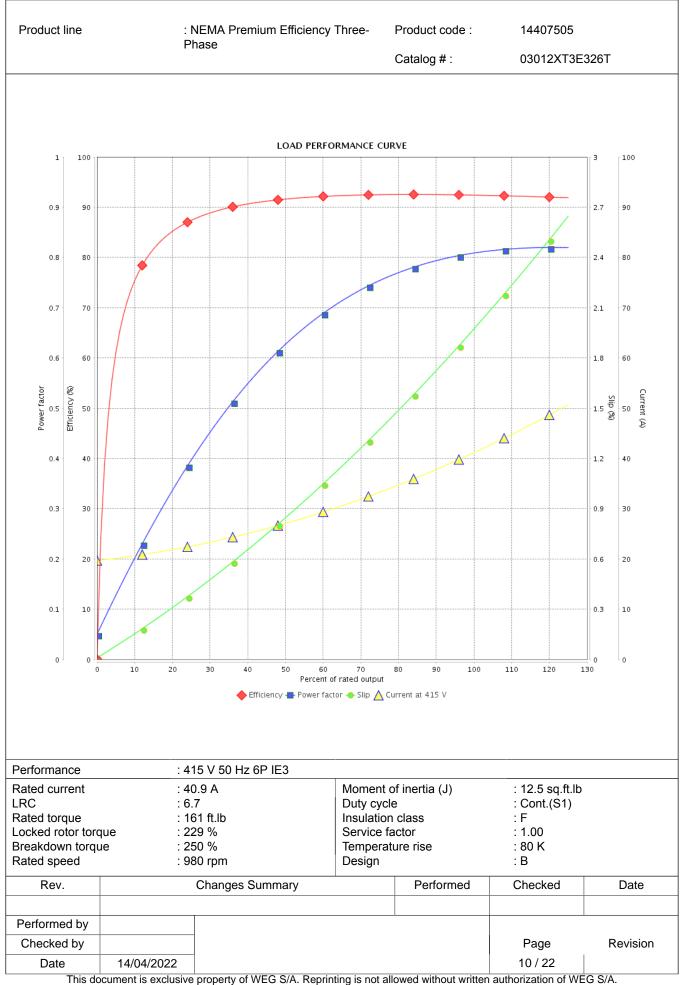
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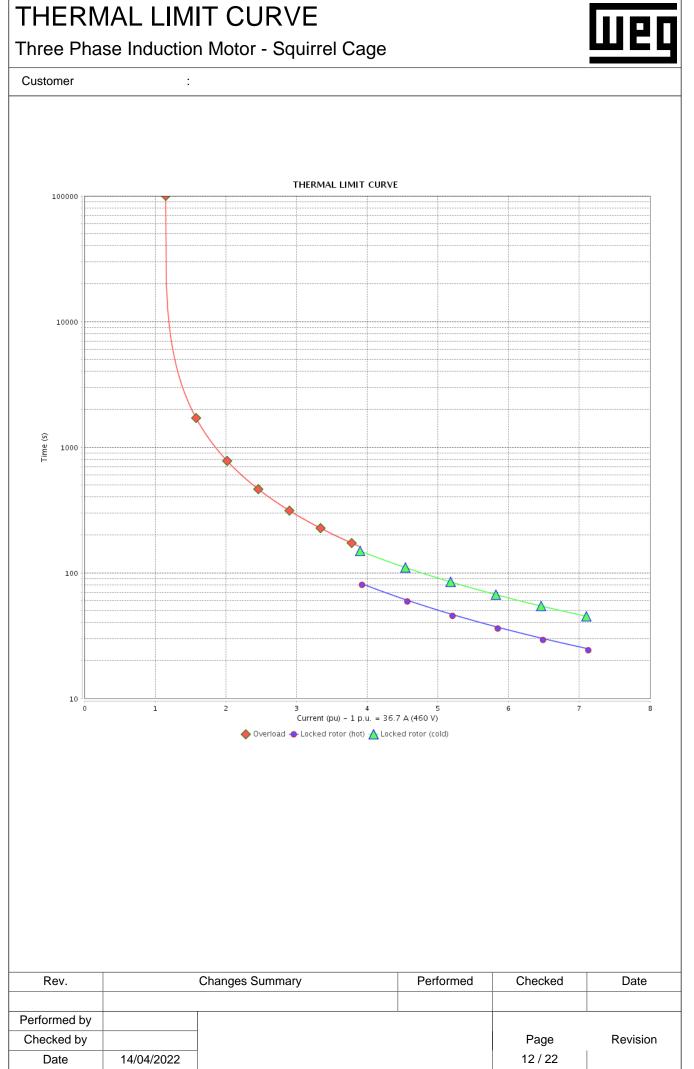
Three Phase Induction Motor - Squirrel Cage

#### Customer

Product line	ne : NEMA Premium Efficiency Three- Phase	Product code :	14407505
		Catalog # :	03012XT3E326T

Шед

Performance	: 2:	: 230/460 V 60 Hz 6P				
Rated current LRC Rated torque Locked rotor toro Breakdown torqu Rated speed	: 7 : 1; jue : 24 ie : 2	3.4/36.7 A 1 34 ft.lb 40 % 70 % 180 rpm	Moment of inertia (J) Duty cycle Insulation class Service factor Temperature rise Design		: 12.5 sq.ft.lb : Cont.(S1) : F : 1.15 : 80 K : B	
Heating constant					·	
Cooling constant						
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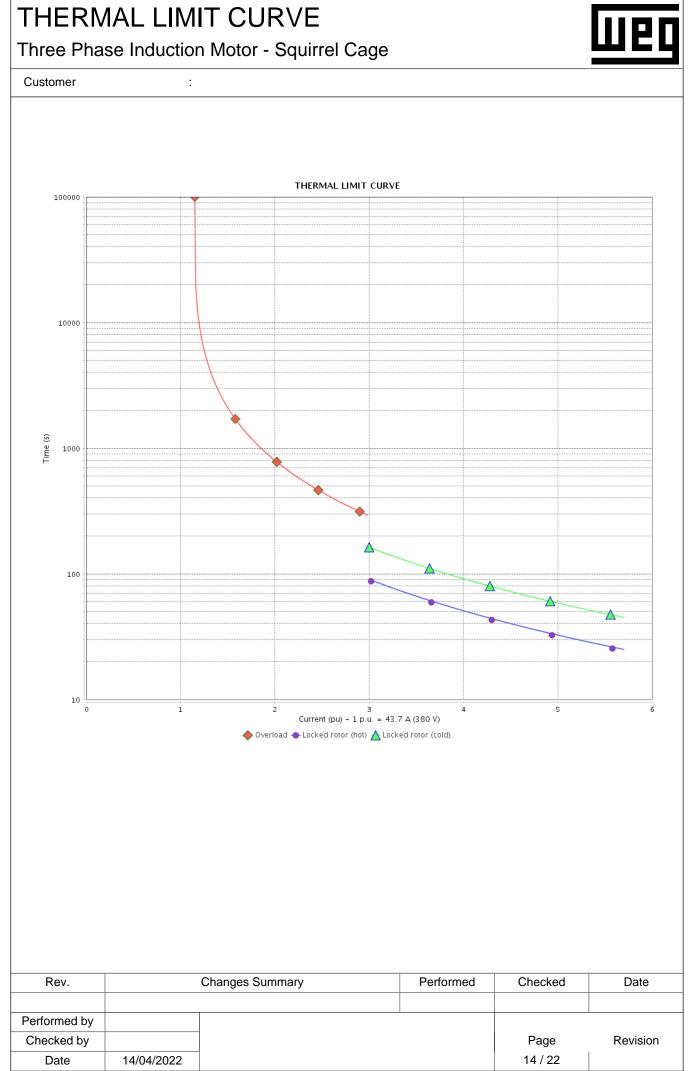
Three Phase Induction Motor - Squirrel Cage

#### Customer

Product line : NEMA Premium Efficiency Three Phase	: NEMA Premium Efficiency Three-	Product code :	14407505
	Phase	Catalog # :	03012XT3E326T

Шеq

Performance	: 3	80 V 50 Hz 6P IE2				
Rated current LRC Rated torque Locked rotor torc Breakdown torqu Rated speed	: 5 : 1 iue : 1 ie : 2	3.7 A .7 62 ft.lb 80 % 10 % 75 rpm	Moment of inertia (J) Duty cycle Insulation class Service factor Temperature rise Design		: 12.5 sq.ft.lb : Cont.(S1) : F : 1.00 : 80 K : B	
Heating constant						
Cooling constant						
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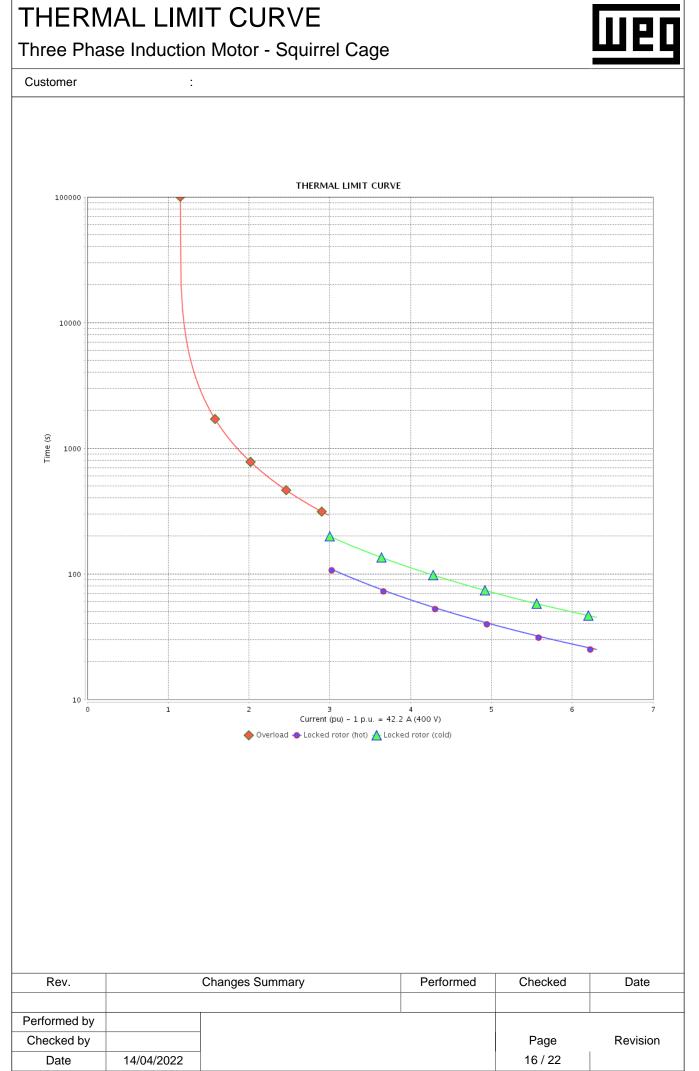
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#### Customer

Product line : NEMA Premium Efficiency Three Phase	: NEMA Premium Efficiency Three-	Product code :	14407505
	Phase	Catalog # :	03012XT3E326T

Шеq

Performance	: 4	00 V 50 Hz 6P IE2						
Rated current LRC Rated torque Locked rotor torc Breakdown torqu Rated speed	: 6 : 1 jue : 2 ie : 2	2.2 A .3 62 ft.lb 00 % 29 % 75 rpm	Moment of inertia (J) Duty cycle Insulation class Service factor Temperature rise Design		Duty cycle Insulation class Service factor Temperature rise		: Cont.(S1) ass : F or : 1.00	
Heating constant								
Cooling constant								
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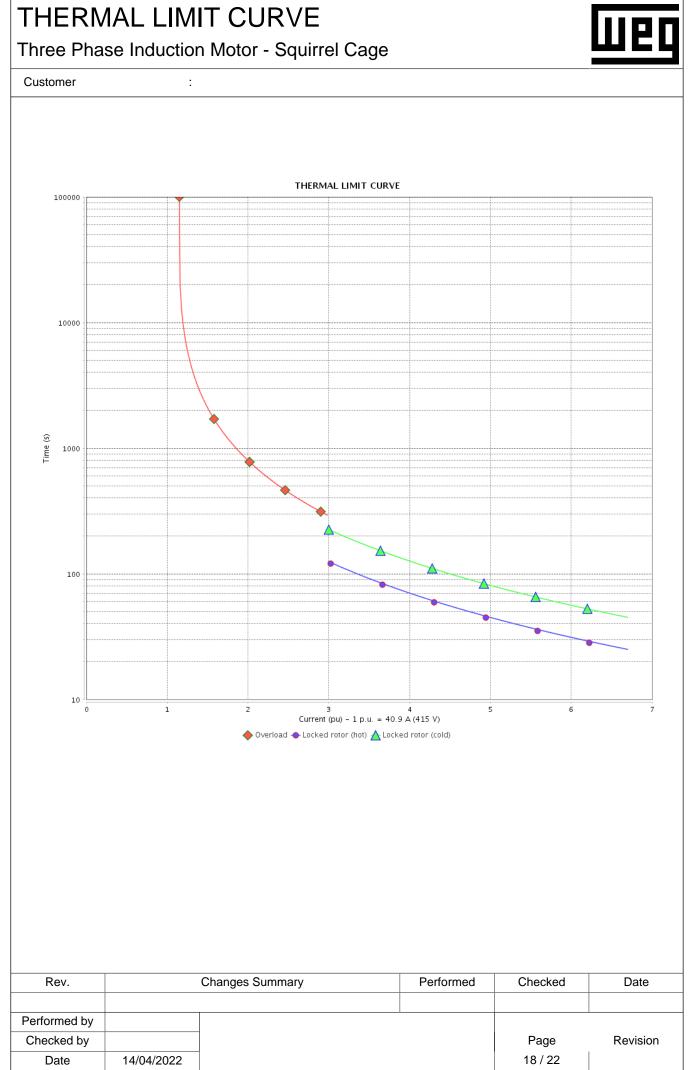
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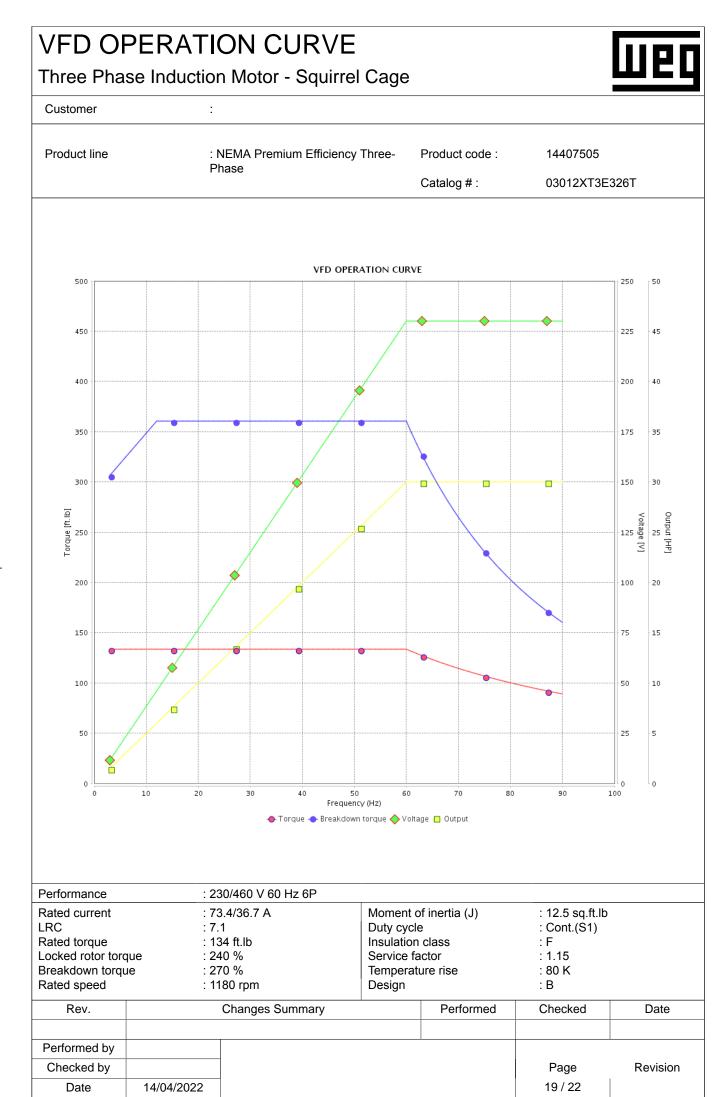
Product line : NEMA Premium Efficiency Three Phase	: NEMA Premium Efficiency Three-	Product code :	14407505
	Phase	Catalog # :	03012XT3E326T

Шеq

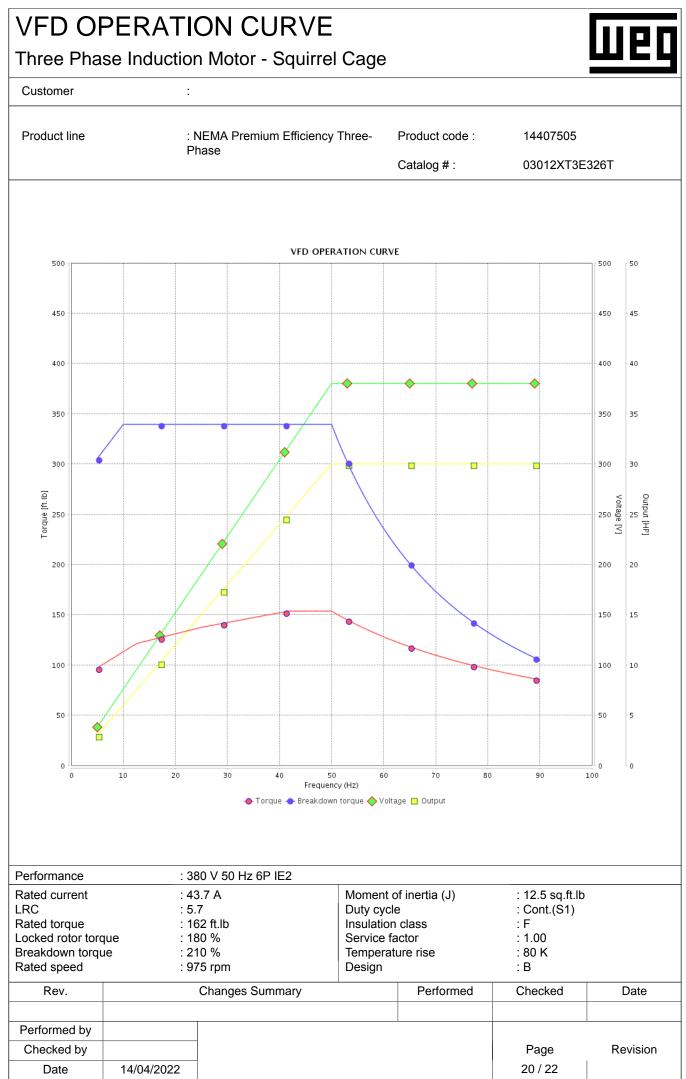
Performance	: 4	15 V 50 Hz 6P IE3				
Rated current LRC Rated torque Locked rotor torc Breakdown torqu Rated speed	: 6 : 1 jue : 2 ie : 2	0.9 A 6.7 61 ft.lb 229 % 250 % 080 rpm	Moment of inertia (J) Duty cycle Insulation class Service factor Temperature rise Design		: 12.5 sq.ft.lb : Cont.(S1) : F : 1.00 : 80 K : B	
Heating constant						
Cooling constant						
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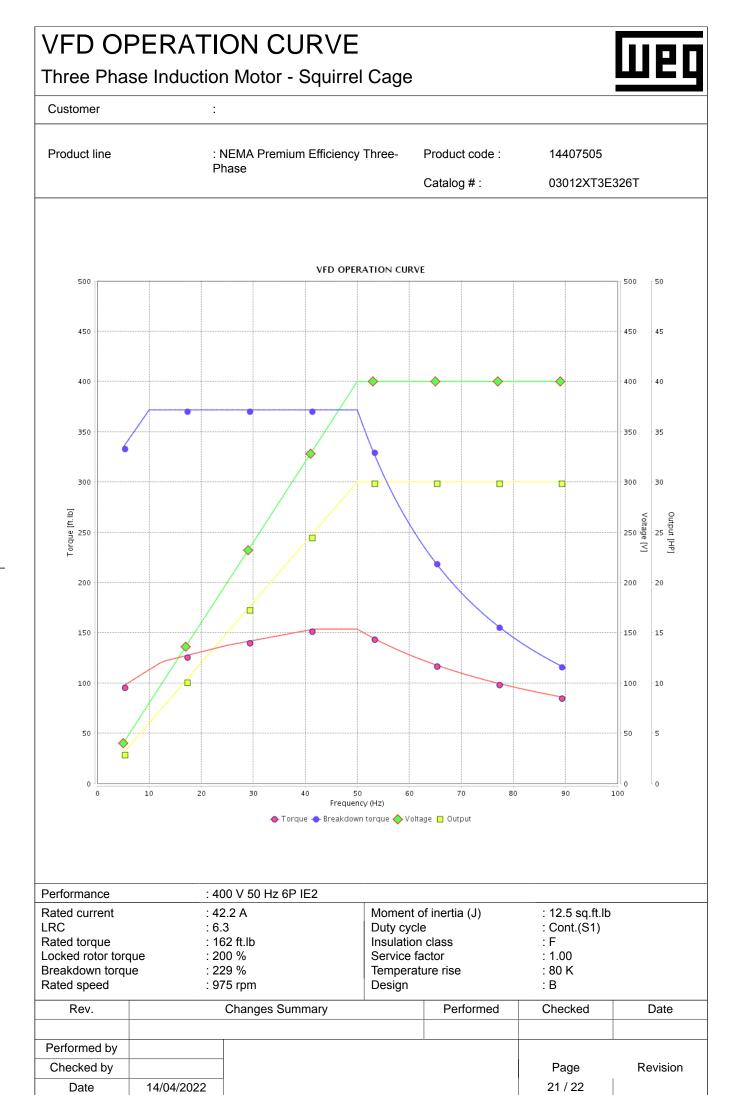


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