DATA SHEET

Three Phase Induction Motor - Squirrel Cage

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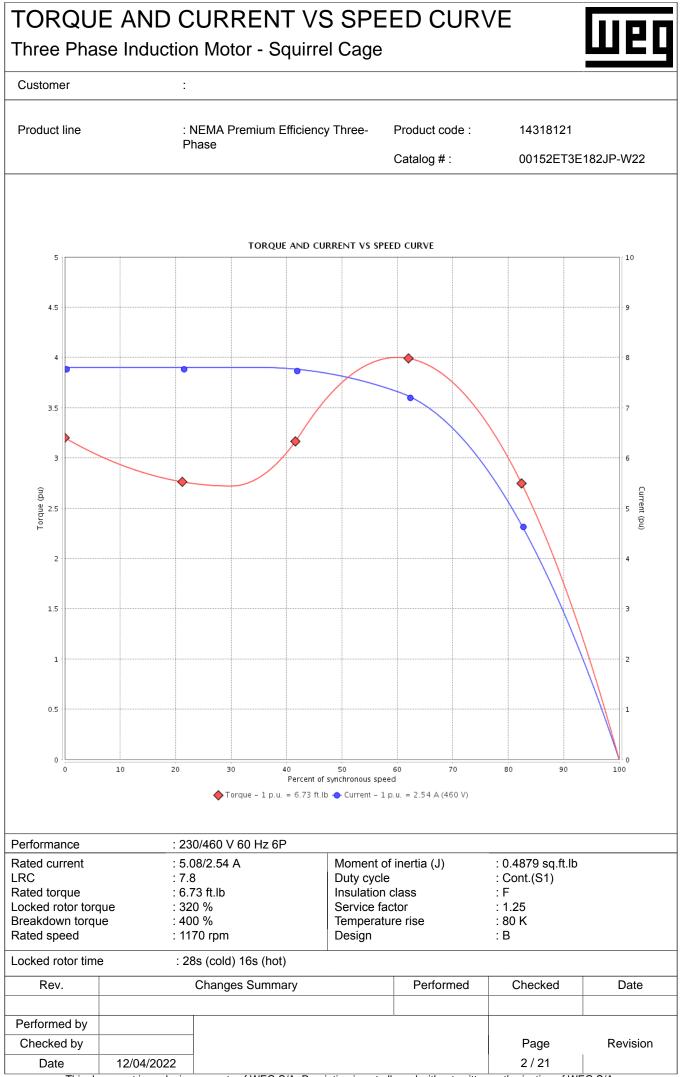


Product line		: NEMA Premium Effic	ciency Tl	hree- Pro	duct code :	143181	21
		Phase		Cat	talog # :	00152E	ET3E182JP-W22
Frame Insulation class Duty cycle Ambient temperature Altitude		: 182/4JP : F : Cont.(S1) : -20°C to +40°C : 1000 m.a.s.l.		Cooling method Mounting Rotation ¹ Starting method Approx. weight ³		: IC411 - TEFC : F-1 : Both (CW and CCW) : Direct On Line : 70.3 lb	
Protection degree	e	: IP55 : B		Moment of	inertia (J)	: 0.487	9 sq.ft.lb
5				4 5	1	F	4 5
Dutput [HP] Poles		1.5		1.5 6	1.	-	<u>1.5</u> 6
Frequency [Hz]		60		50	5		50
Rated voltage [V]		230/460		380	40	00	415
Rated current [A]		5.08/2.54		2.68	2.6		2.64
R. Amperes [A]		39.6/19.8		16.9	18		19.5
_RC [A]		7.8x(Code M)	6.3	Bx(Code J)	6.9x(C		7.4x(Code L)
No load current [A		3.25/1.63		1.60	1.7		1.80
Rated speed [RPM	1]	1170		955	96		965
Slip [%]		2.50		4.50	4.0		3.50
Rated torque [ft.lb]		6.73		8.25	8.2		8.16
ocked rotor torqu		320		250	30		330
Breakdown torque Service factor	[″0]	400		290 1.00	33		370 1.00
		1.25 80 K		1.00 80 K	80		80 K
Temperature rise		28s (cold) 16s (hot)	250 (0	80 K cold) 14s (hot)			25s (cold) 14s (hot)
Noise level ²		52.0 dB(A)		9.0 dB(A)	49.0 0		49.0 dB(A)
	25%	82.8	43	86.0	49.00		82.8
	50%	84.0		85.5	84		84.0
Efficiency (%)	75%	86.5		86.5	86		85.5
	100%	87.5		85.5	86		86.5
	25%	0.25		0.29	0.2		0.25
Dower Foster	50%	0.45		0.52	0.4		0.45
Power Factor	75%	0.54		0.63	0.6		0.57
	100%	0.62		0.73	0.7	70	0.67
Bearing type			r <u>ive end</u> 06 ZZ	Foundation Max. traction		: 158 lb	
Sealing			'Ring	Max. compr	•	: 228 lb	
Lubrication interv		: -	-				
Lubricant amoun	t	: -	-				
Lubricant type		: Mobil Polyrex E	EM				
must be eliminate (1) Looking the m (2) Measured at 1	aces and car d. otor from the m and with t	ncel the previous one, wl	hich				sts with sinusoidal stipulated in NEMA
(3) Approximate w manufacturing pro (4) At 100% of full	ocess.	si to changes alter					
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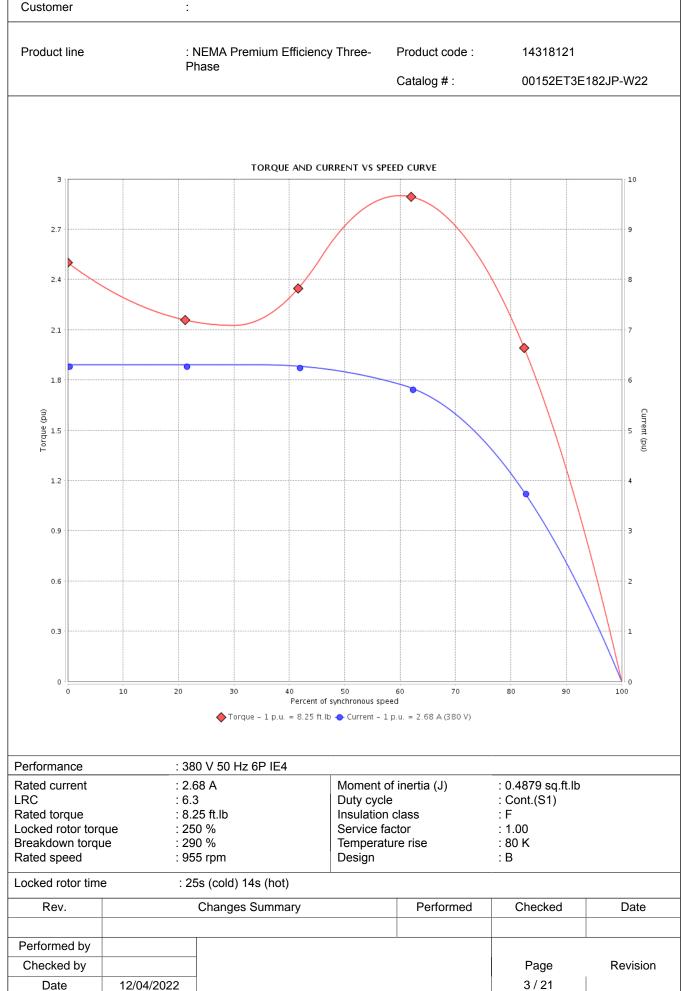
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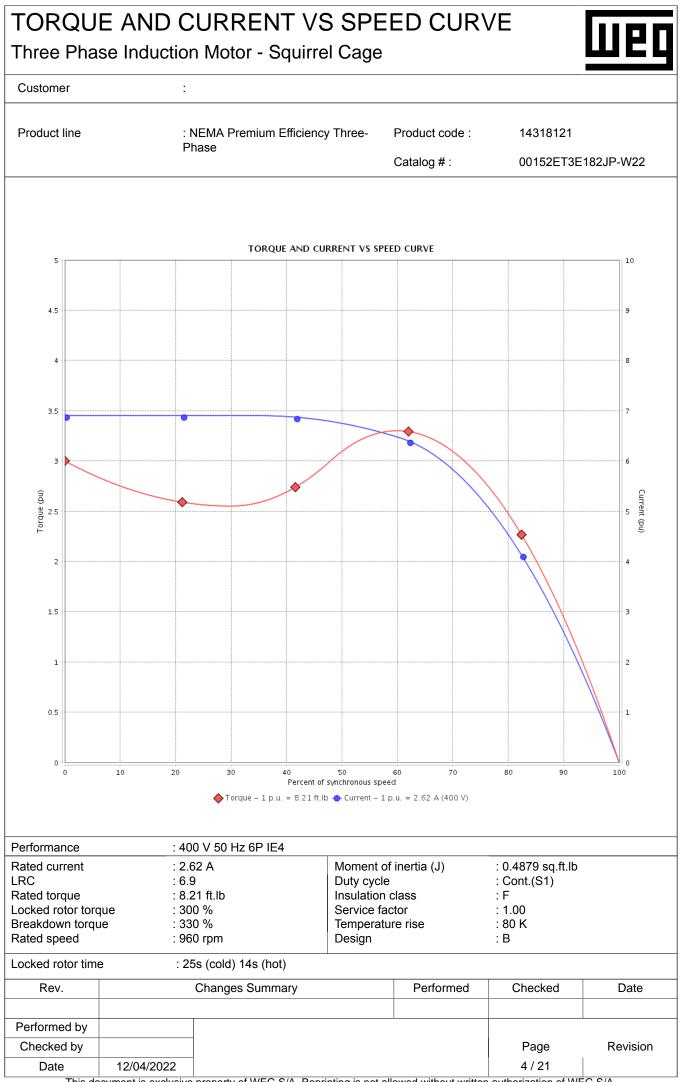
TORQUE AND CURRENT VS SPEED CURVE

Three Phase Induction Motor - Squirrel Cage

Customer



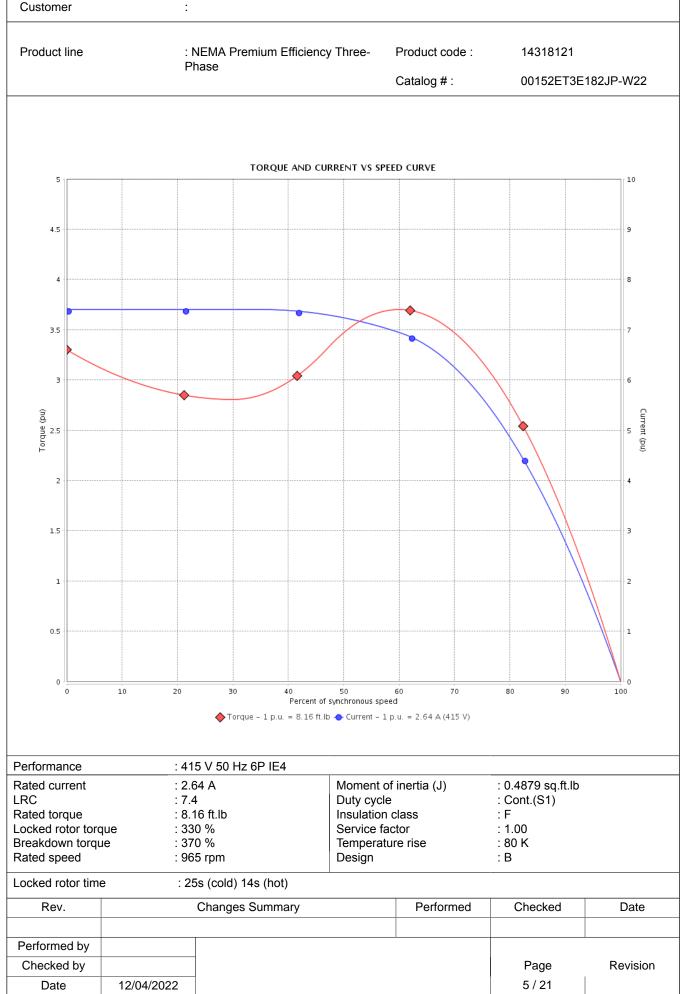
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TORQUE AND CURRENT VS SPEED CURVE

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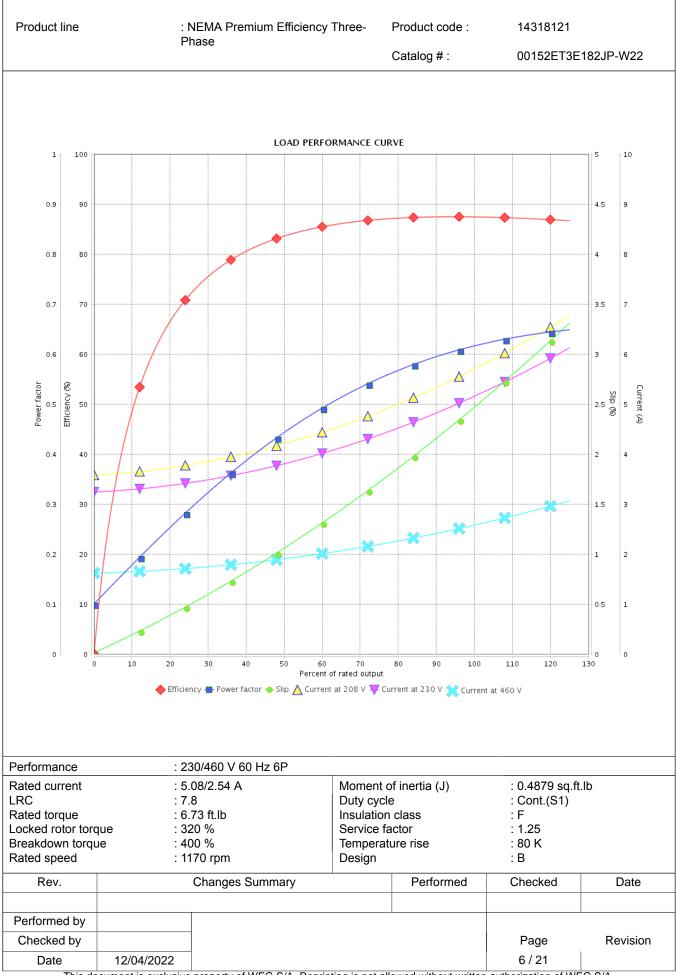
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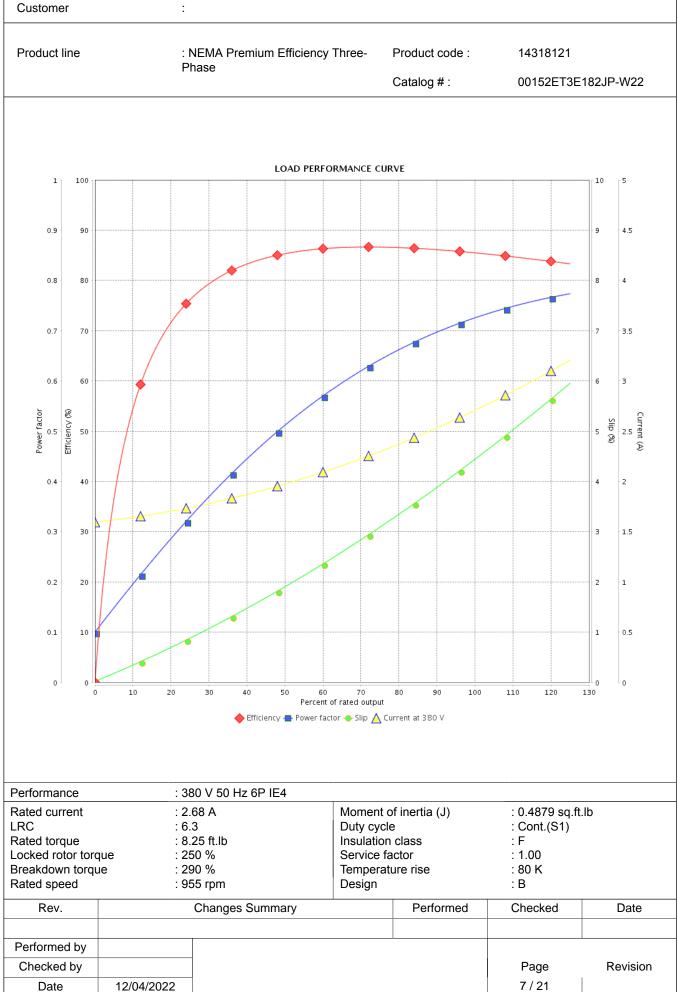


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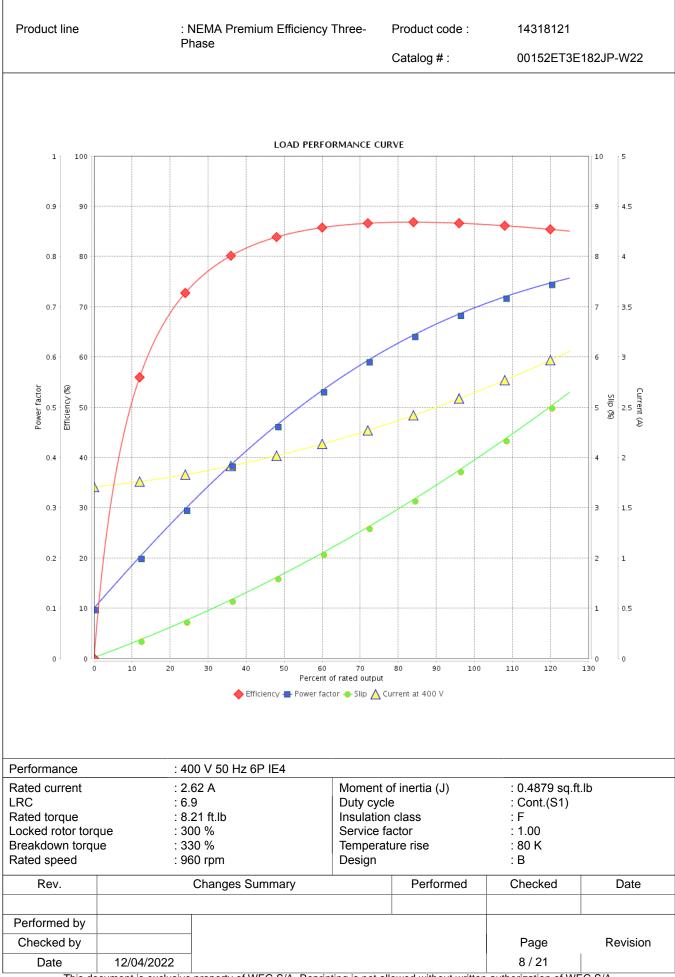
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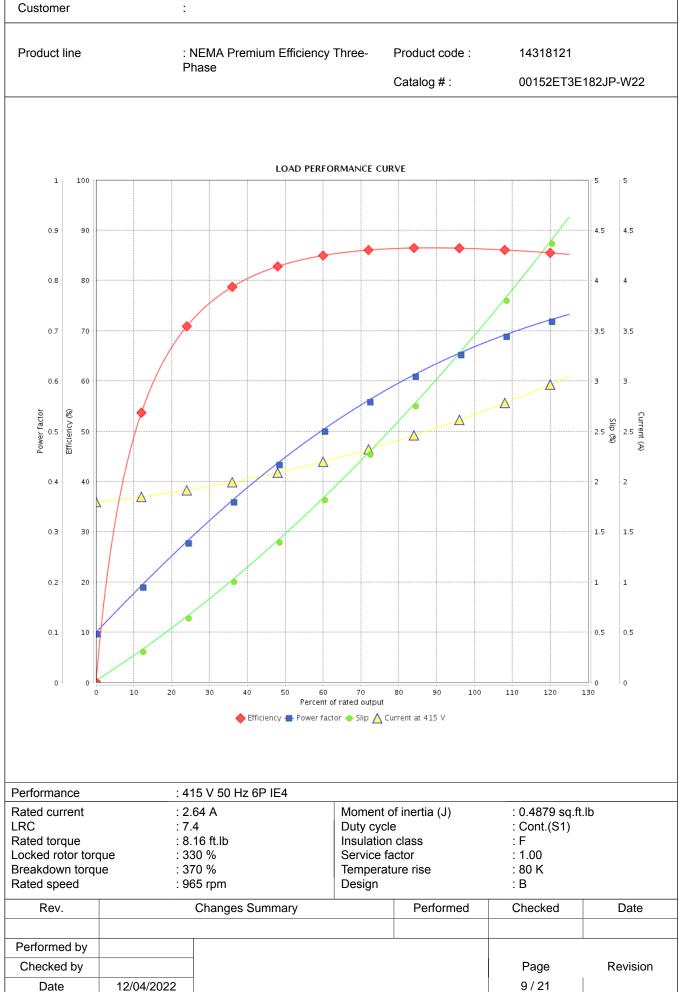


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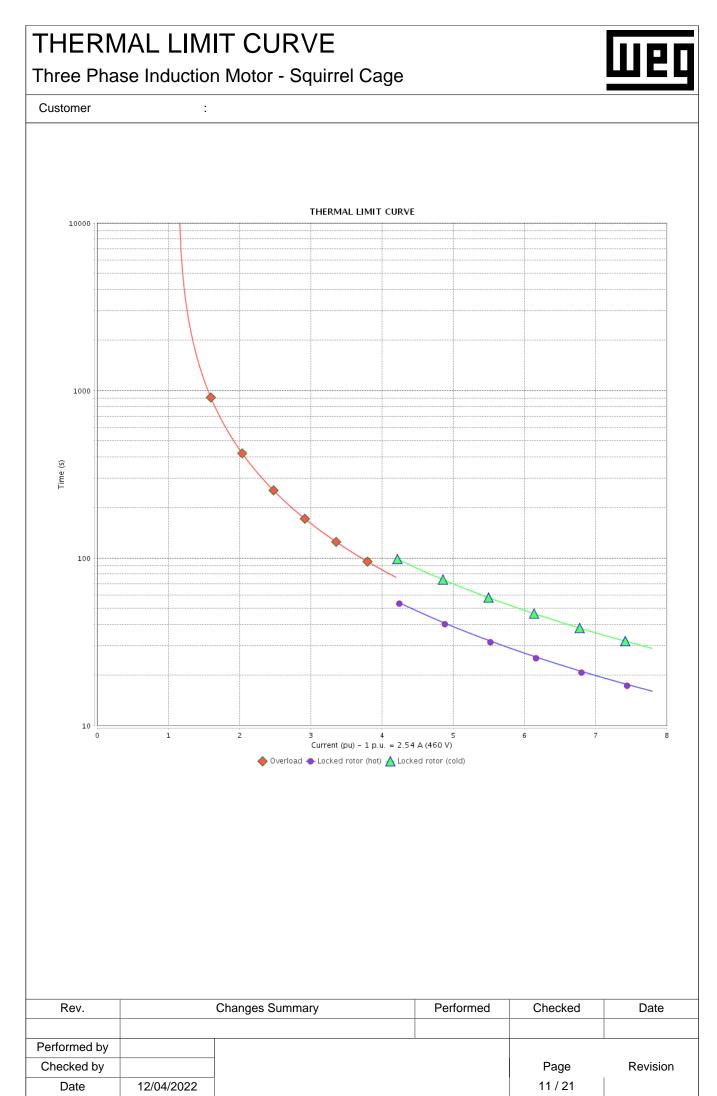


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THERMAI	LIMIT CURVE		
Three Phase I	nduction Motor - Squirrel Cage)	
Customer	:		
Product line	: NEMA Premium Efficiency Three- Phase	Product code :	14318121
		Catalog # :	00152ET3E182JP-W22

2

Performance	: 2	230/460 V 60 Hz 6P				
Rated current: 5.08/2.54 ALRC: 7.8Rated torque: 6.73 ft.lbLocked rotor torque: 320 %Breakdown torque: 400 %Rated speed: 1170 rpm		7.8 5.73 ft.lb 520 % 500 %	Moment of inertia (J) Duty cycle Insulation class Service factor Temperature rise Design		: 0.4879 sq.ft.lb : Cont.(S1) : F : 1.25 : 80 K : B	
Heating constan	t					
Cooling constant	t					
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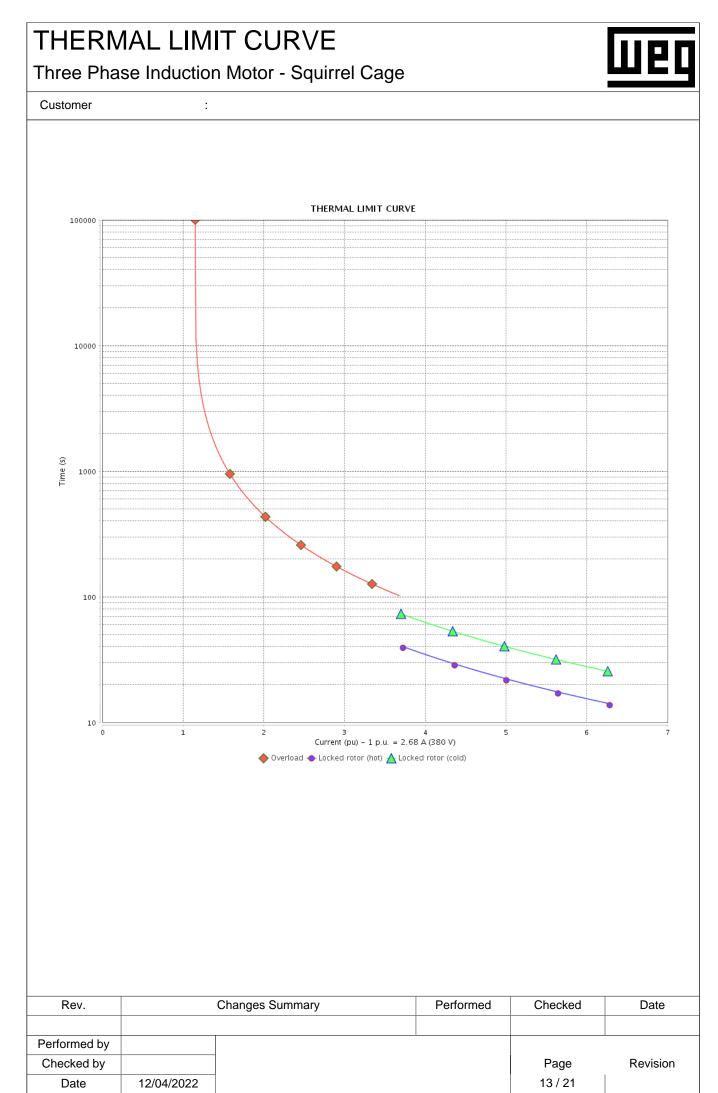


THERMAL LI	MIT CURVE			
Three Phase Induc	tion Motor - Squirrel Cage	;		
Customer	:			
Product line	: NEMA Premium Efficiency Three- Phase	Product code :	14318121	

Catalog # :

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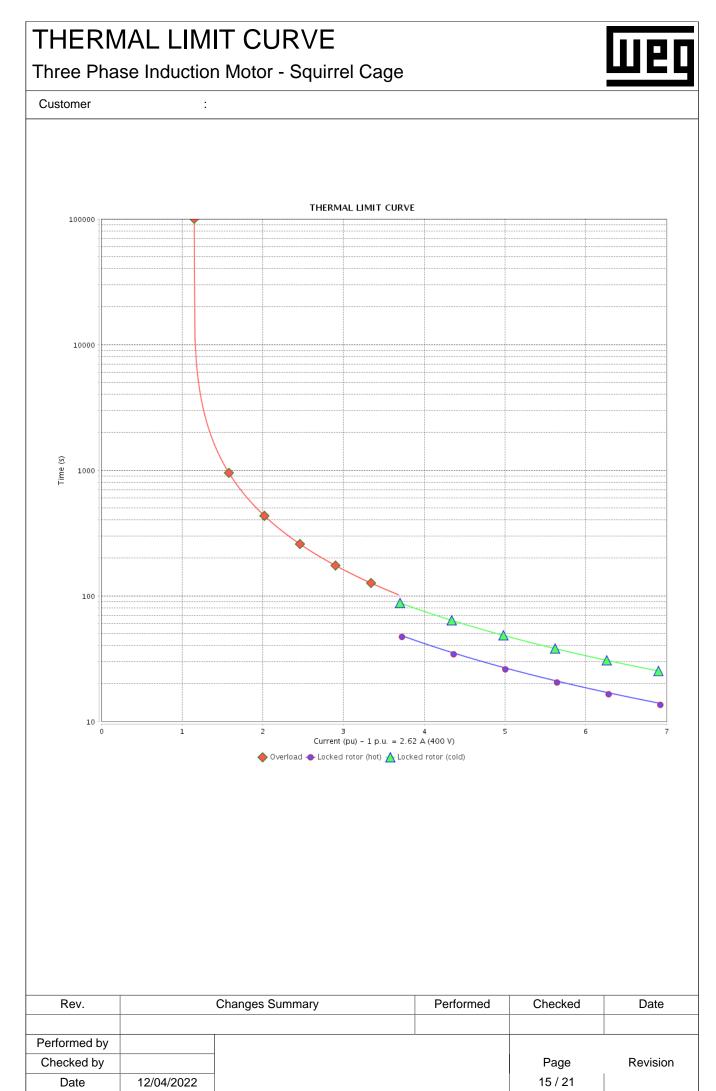
Performance	: 3	380 V 50 Hz 6P IE4				
Rated current	:2	2.68 A	Moment o	f inertia (J)	: 0.4879 sq.ft	.lb
LRC	: 6	5.3	Duty cycle	9	: Cont.(S1)	
Rated torque	: 8	3.25 ft.lb	Insulation	class	: F	
Locked rotor tore	que :2	250 %	Service fa	ctor	: 1.00	
Breakdown torqu	le :2	290 %	Temperature rise		: 80 K	
Rated speed	: 9	955 rpm	Design		: B	
Heating constan	t					
Cooling constant	t					
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THERMAL	LIMIT CURVE			1
Three Phase Ind	uction Motor - Squirrel Cage	9		
Customer	:			_
Product line	: NEMA Premium Efficiency Three-	Product code :	14318121	

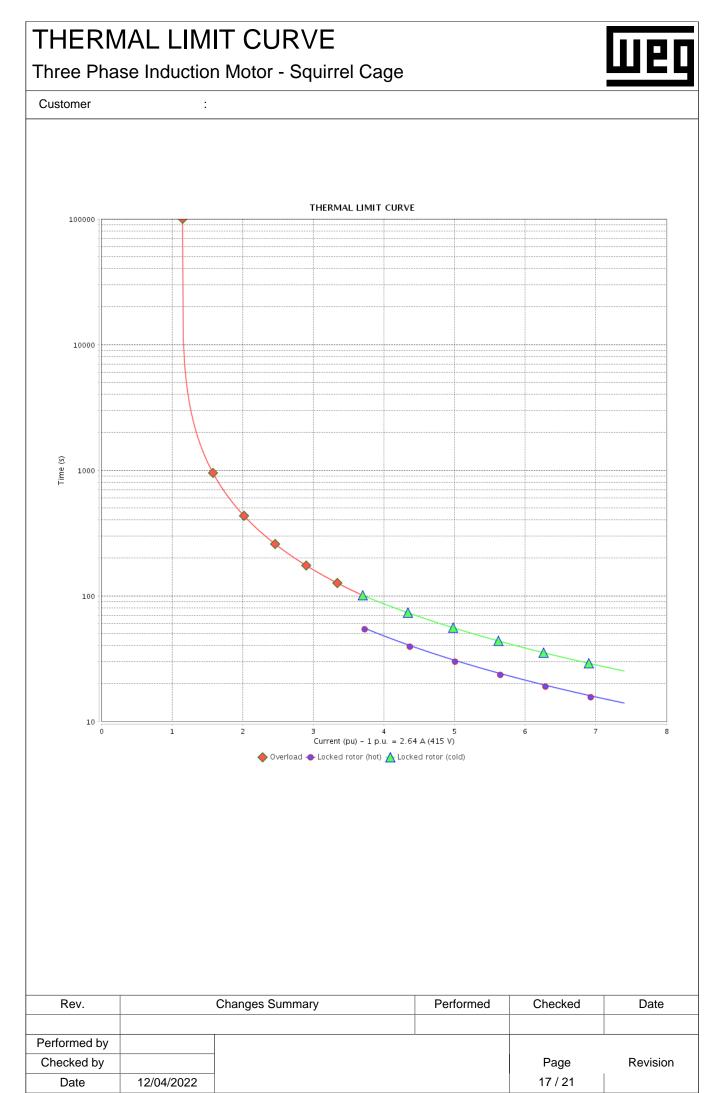
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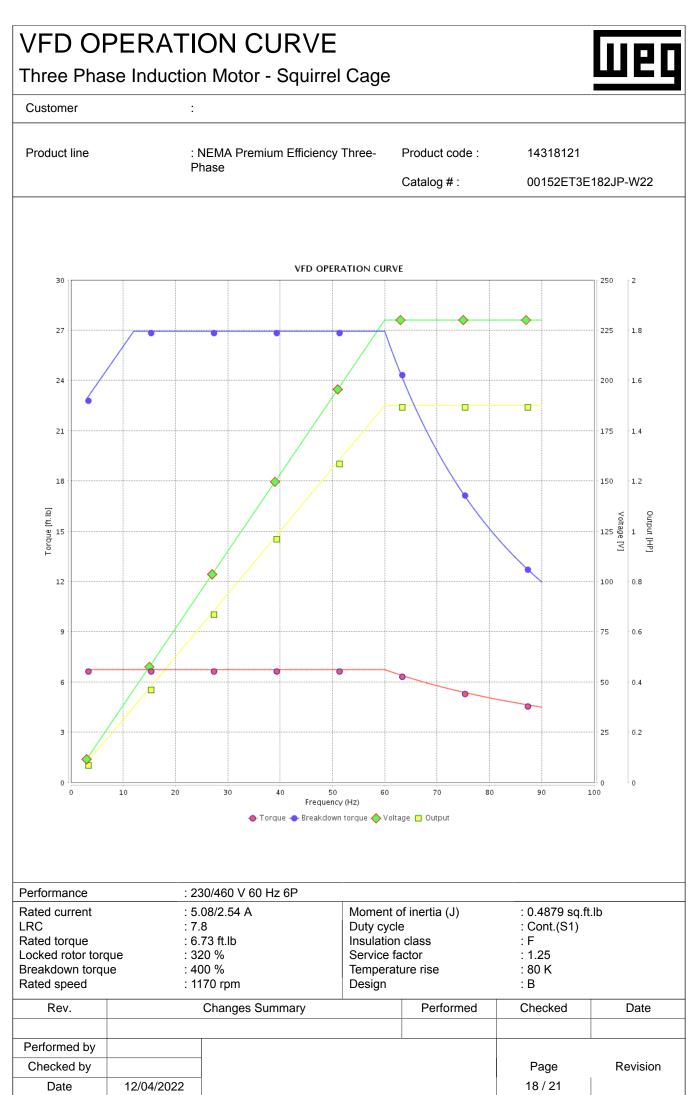
				Catalog # :	00152ET3E1	82JP-W22
Performance		00 V 50 Hz 6P IE4				
Rated current LRC	: 2 : 6	.62 A .9	Moment o	f inertia (J)	: 0.4879 sq.ft.l : Cont.(S1)	b
Rated torque	: 8	.21 ft.lb	Insulation	class	: F	
Locked rotor toro Breakdown torqu		00 % 30 %	Service fa Temperatu		: 1.00 : 80 K	
Rated speed		60 rpm	Design		: B	
Heating constant	t					
Cooling constant	t					
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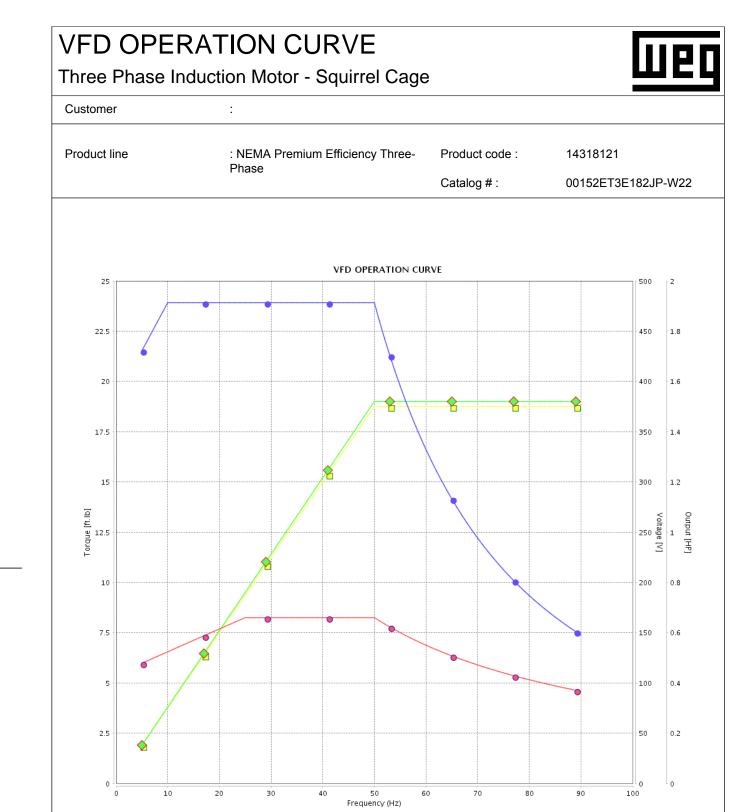
THERMAL L	IMIT CURVE		
Three Phase Indu	ction Motor - Squirrel Cage	;	
Customer	:		
Product line	: NEMA Premium Efficiency Three- Phase	Product code :	14318121
		Catalog # :	00152ET3E182JP-W22

Performance	: 4	15 V 50 Hz 6P IE4				
Rated current	: 2	2.64 A	Moment of inertia (J)		: 0.4879 sg.ft.lb	
LRC	: 7	' .4	Duty cycle)	: Cont.(S1)	
Rated torque	: 8	3.16 ft.lb	Insulation	class	: F	
Locked rotor toro	jue : 3	330 %	Service fa	ctor	: 1.00	
Breakdown torqu	ie : 3	370 %	Temperature rise		: 80 K	
Rated speed	: 9	965 rpm	Design		: B	
Heating constant	t					
Cooling constant	:					
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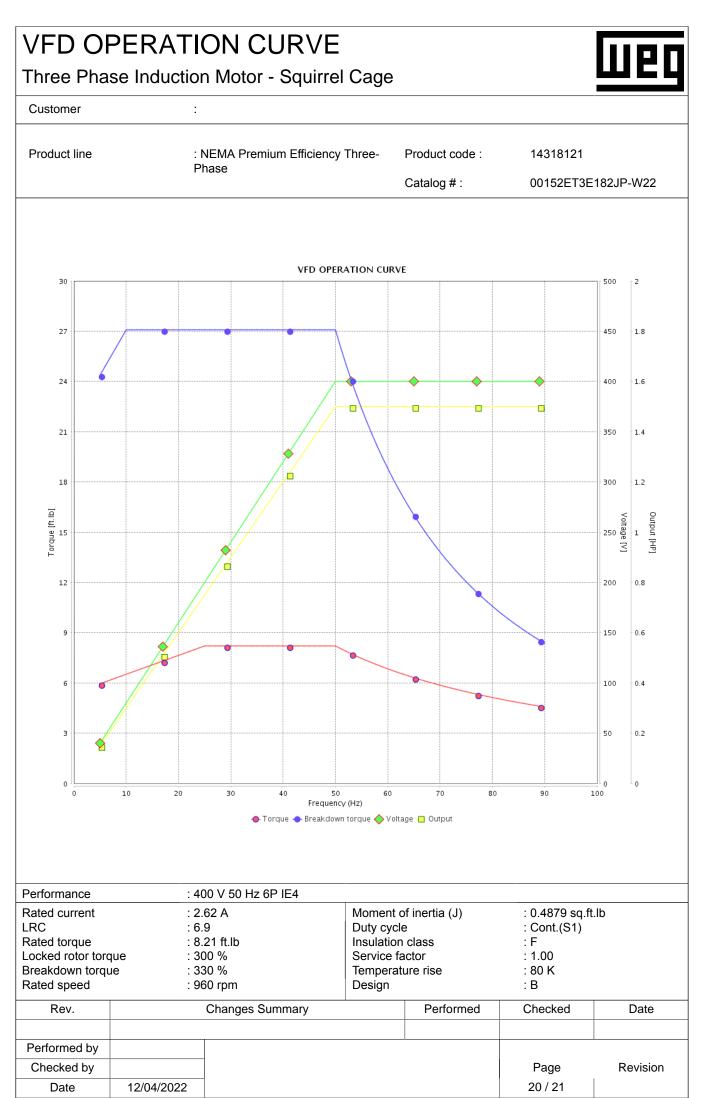
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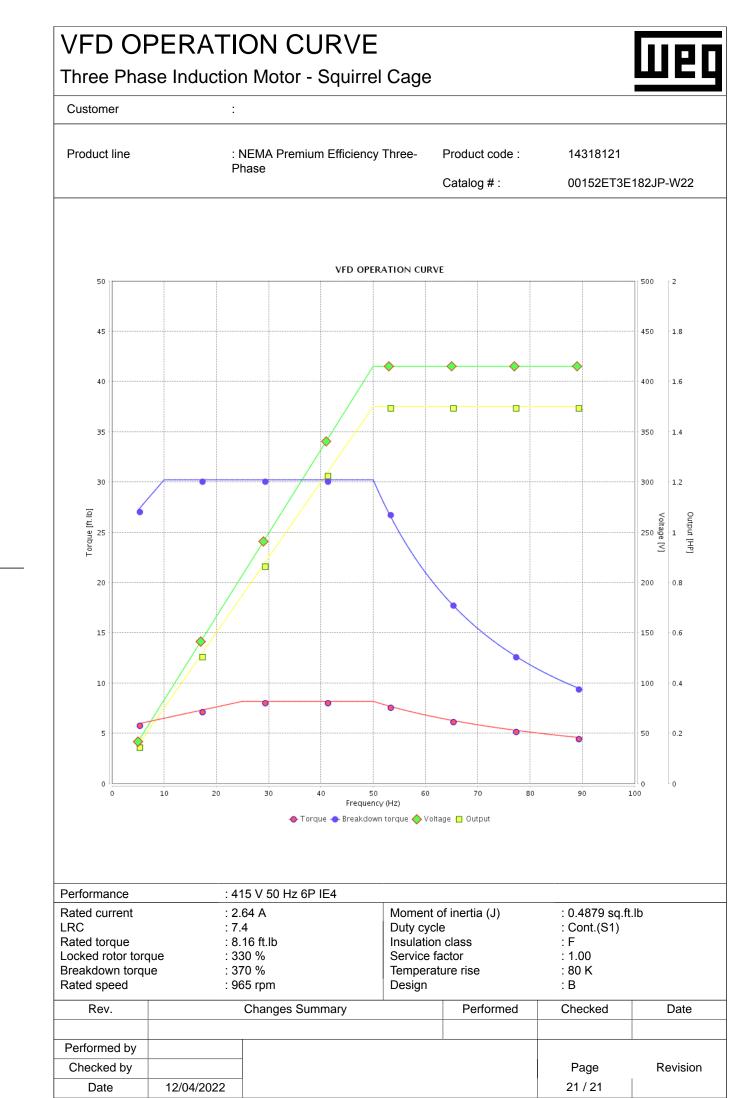
Performance	: 38	30 V 50 Hz 6P IE4				
Rated current LRC Rated torque Locked rotor torque Breakdown torque Rated speed	: 6. : 8. e : 2! : 2!	68 A 3 25 ft.lb 50 % 90 % 55 rpm	Moment o Duty cycle Insulation Service fa Temperatu Design	class ctor	: 0.4879 sq.ft. : Cont.(S1) : F : 1.00 : 80 K : B	lb
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🔶 Torque 🔷 Breakdown torque 🔷 Voltage 📋 Output

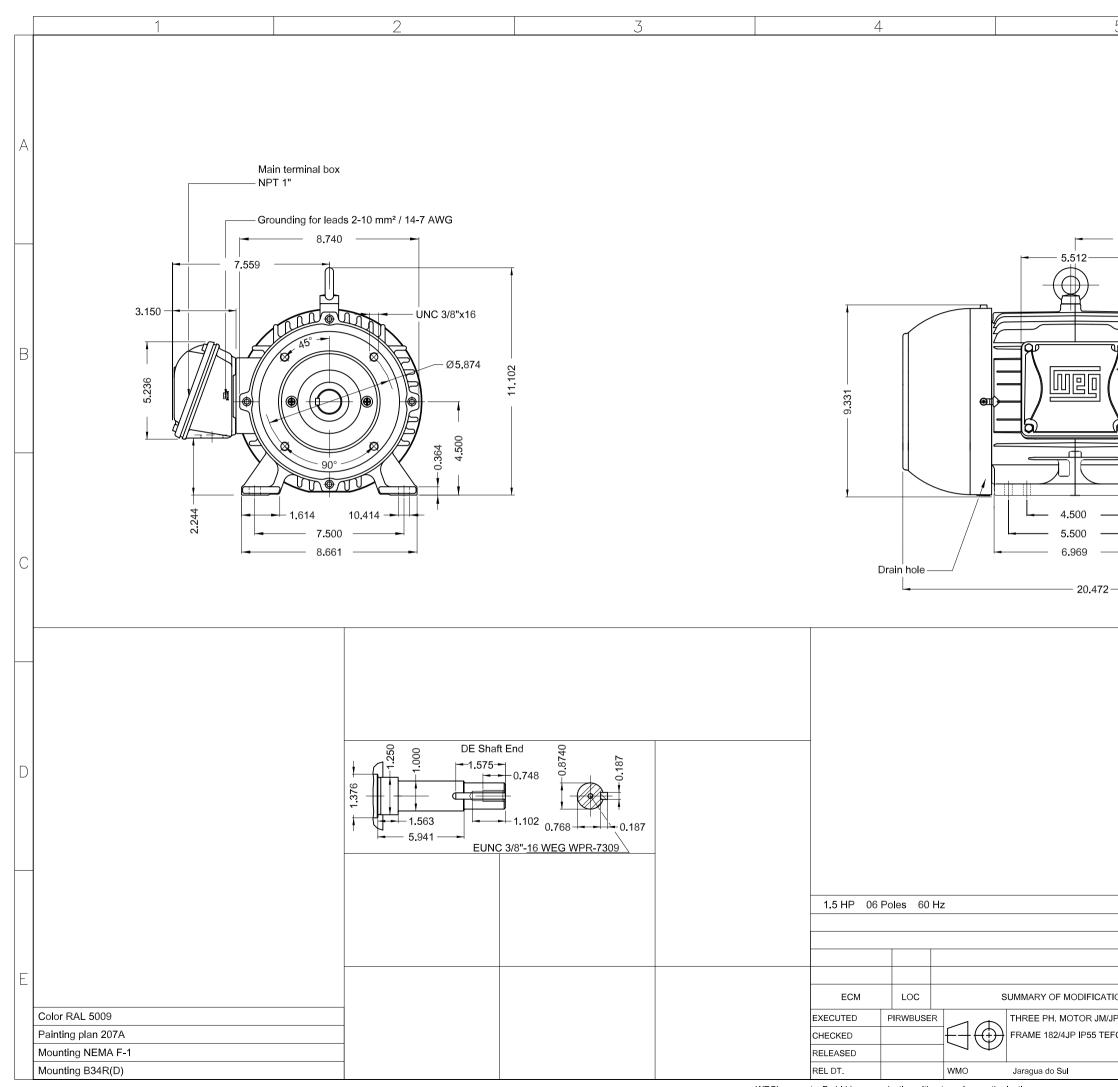
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