DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer : Astraprom d.o.o.

Product line	: Multir	nounting IE	E3 Three-Phas	se	F	Produc	t code :	13760	714	
Frame Insulation class Duty cycle Ambient temperature Altitude Protection degree Design		: 63 : F : S1 : -20°C to +40°C : 1000 m.a.s.l. : IP55 : N			Cooling method Mounting Rotation ¹ Starting method Approx. weight ³ Moment of inertia (J)			: B141 : Both : Direc : 6.4 k	: IC411 - TEFC : B14T : Both (CW and CCW) : Direct On Line : 6.4 kg : 0.0006 kgm ²	
Output [kW]		C).18		0.18		0.	18		0.18
Poles		4		4			4			4
Frequency [Hz]		50 220/380		50 230/400			50 240/415		60 460	
Rated voltage [V] Rated current [A]		0.902/0.522		0.897/0.516			0.885/0.512		0.468	
L. R. Amperes [A]		3.61/2.09		3.86/2.22			4.07/2.36		2.43	
LRC [A]		4.0		4.3			4.6		5.2	
No load current [A]		0.553/0.320		0.609/0.350			0.674/0.390		<u> </u>	0.330
Rated speed [RPM]		1360		1380			1390		<u> </u>	1700
Slip [%]	-	9.33			8.00		7.3			5.56
Rated torque [kgfm]		0.129		0.127			0.126		0.103	
_ocked rotor torqu	e [%]	200		220			240		270	
Breakdown torque [%]		200			220		240			280
Service factor		1.00			1.00			00		1.00
Temperature rise		80 K			80 K		80 K			80 K
Locked rotor time		54s (cold) 30s (hot)			1s (cold) 30s (hot)		54s (cold)			old) 40s (hot)
Noise level ²	0.50/	44.0	dB(A)	4	4.0 dB(A)		44.0	dB(A)	48	3.0 dB(A)
	25%						05			
Efficiency (%)	50% 75%	65.0 67.0		65.0 67.0			65.0 67.0			62.0 66.0
	100%	69.9			69.9		69.9			70.0
	25%		19.9		03.3		03.3			70.0
	50%	(0.57		0.53		0.50			0.50
Power Factor	75%	0.67		0.63			0.61			0.60
	100%	0.75			0.72		0.70			0.69
Losses at normati				noraci						
LUSSES at normal	P1 (0,	• • •	45.5	i percer	•		put power	45.5		45.3
	P1 (0,		45.5		45.5 47.0		45.5		_	46.8
	P3 (0,2		41.8		41.8		41.8		40.8	
Losses (%)	P4 (0,		24.1		24.1		24.1		24.0	
(///	P5 (0		18.7		18.7		18.7		18.6	
	P6 (0,		14.5		14.5			14.5		14.5
	P7 (0,2		10.9			10.9		10.9		10.8
		Drive		ve end	Foundatio		ls		1	
Bearing type Sealing		: 6201 ZZ 6201			Max. traction			: 8 kgf		
		: Oil S	eal Oil	Seal	Max. com		on	: 14 kg		
Lubrication interval		:				•		5		
Lubricant amoun	t	: -		-						
Lubricant type		: M	obil Polyrex E	M						
This revision repla must be eliminate (1) Looking the m (2) Measured at 1 (3) Approximate v manufacturing pro (4) At 100% of ful	d. otor from the m and with to veight subjec ocess.	shaft end. plerance of	f +3dB(A).	ich				based on te le tolerances		
Rev.	Changes Summary				Performed Checke		d	Date		
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Performed by										_
Checked by								Page		Revision

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Notes

Rev. Changes Summary Performed Checked Date Performed by Checked by Page Revision 13/10/2023 2/19 Date

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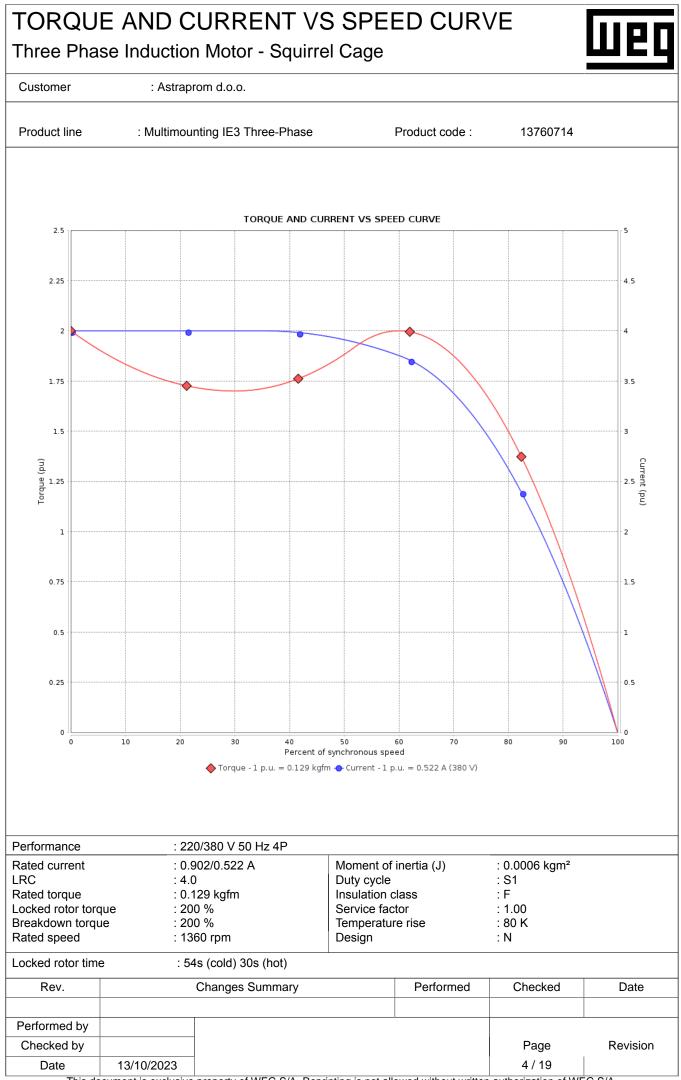
DATA SHEET

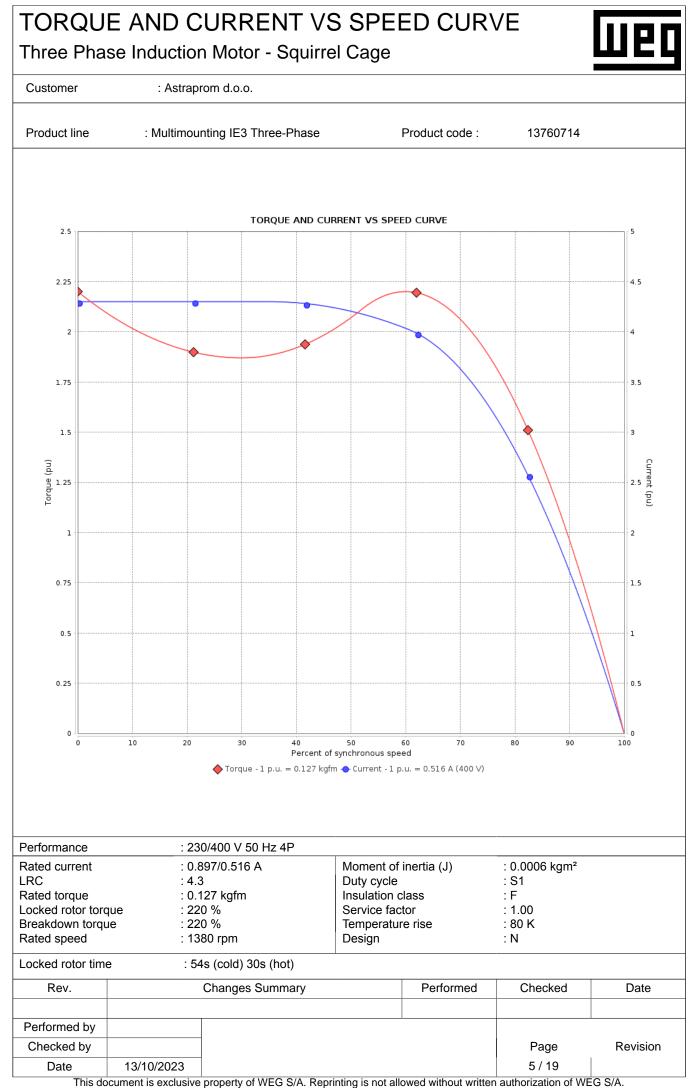
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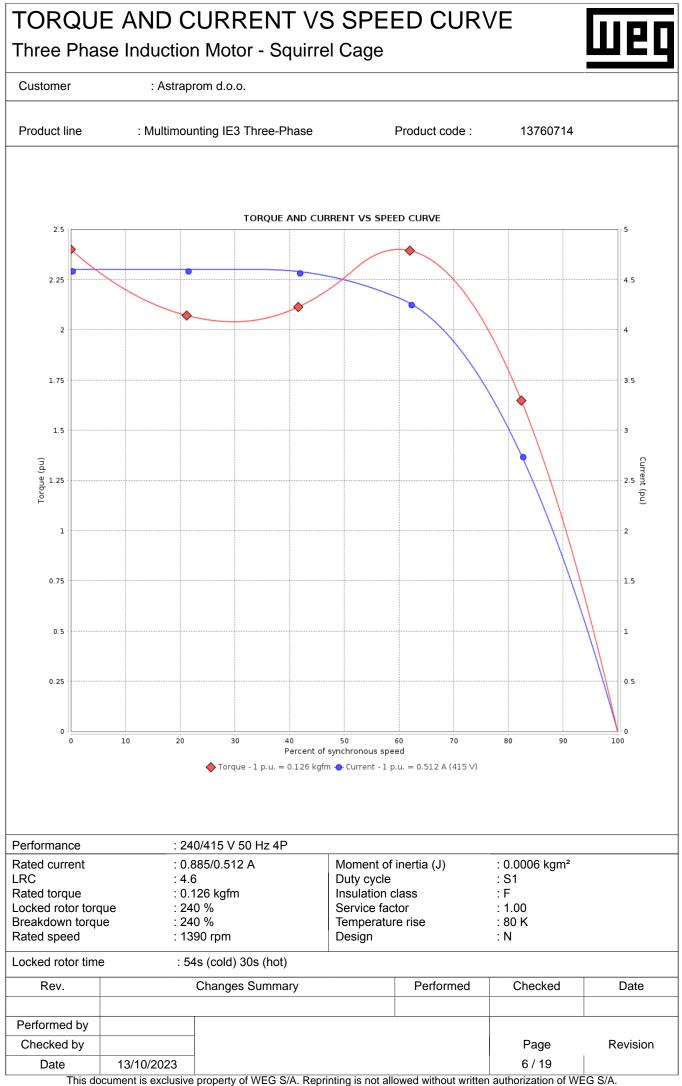
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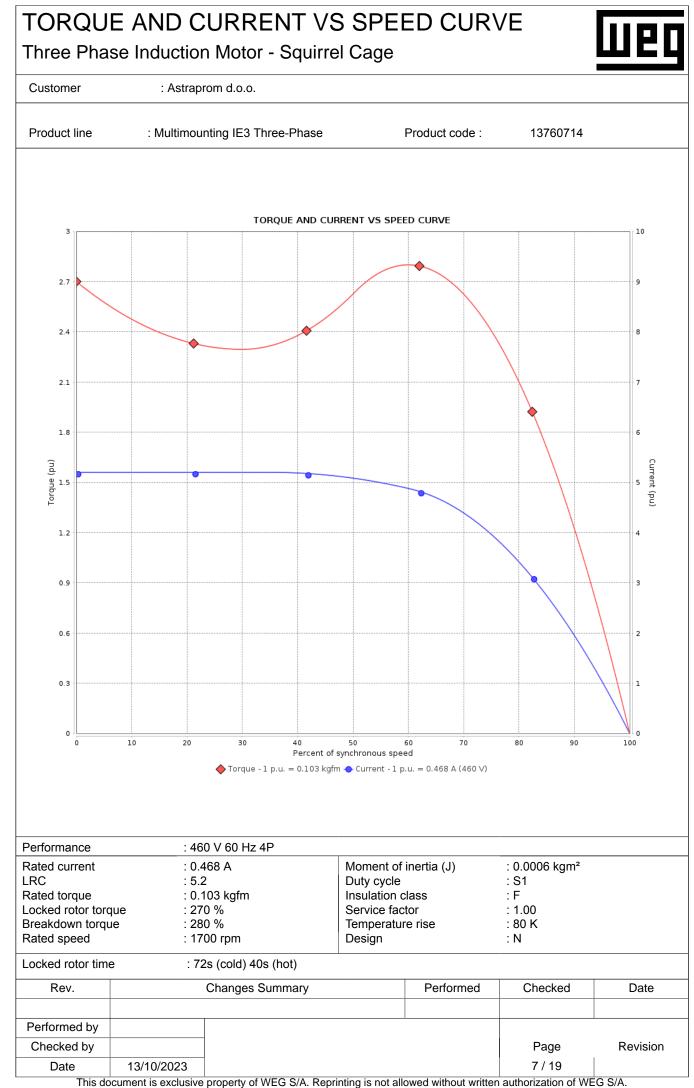
ID	Application	Туре	Quantity	Sensing Temper	
1	Winding	Thermistor - 2 wires	1 x Phase	155 °C	
				,	
	Chai	nges Summary	Performed	Checked	Date
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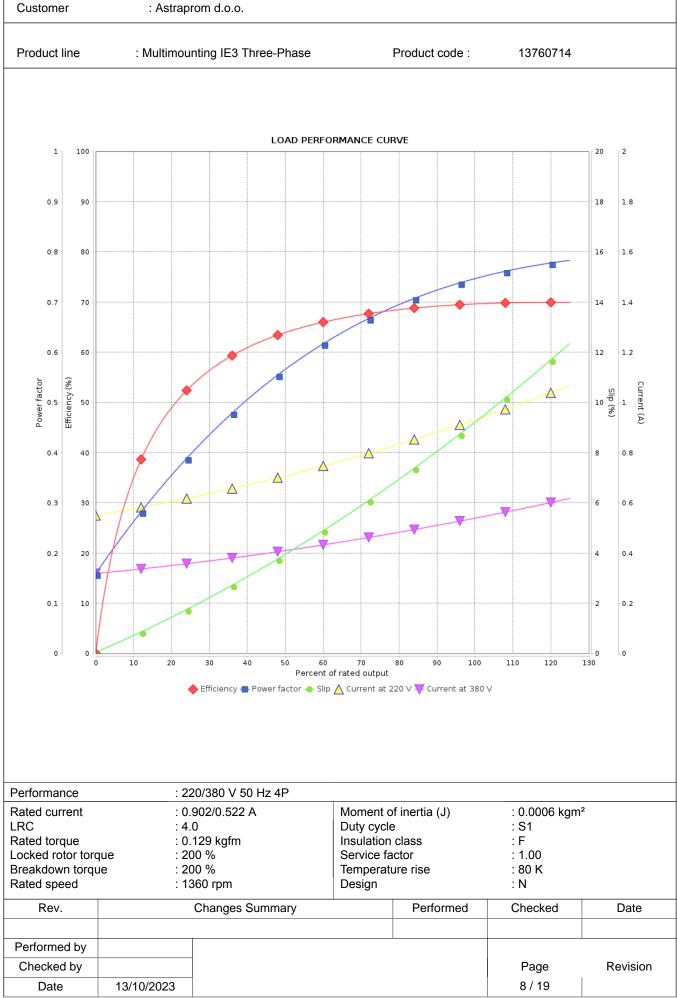


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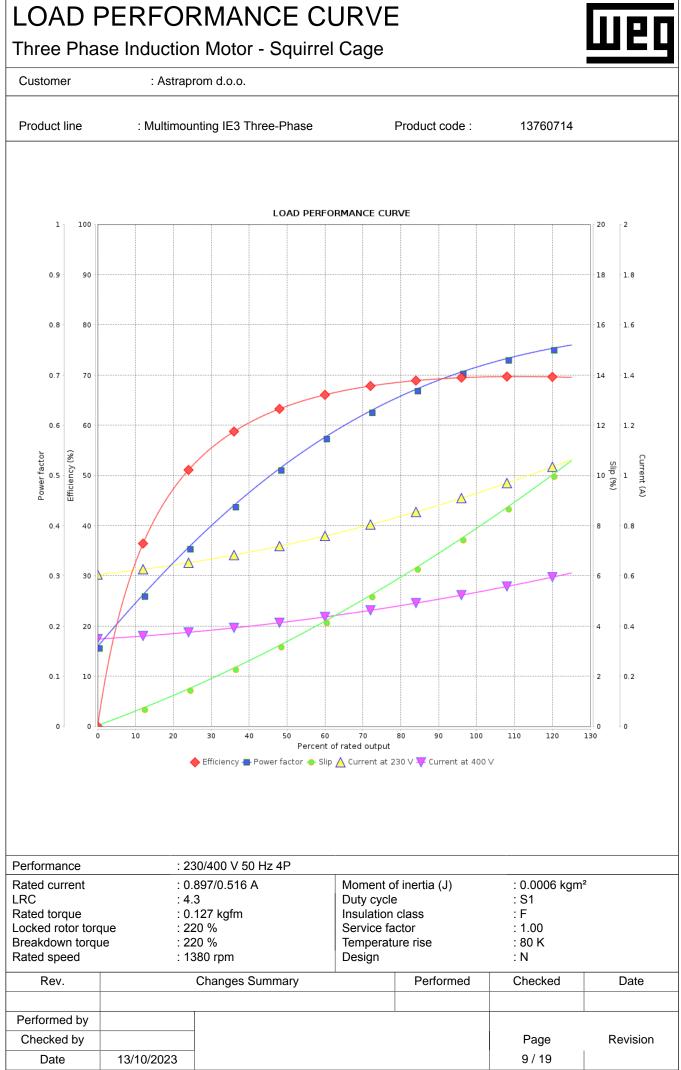
LOAD PERFORMANCE CURVE

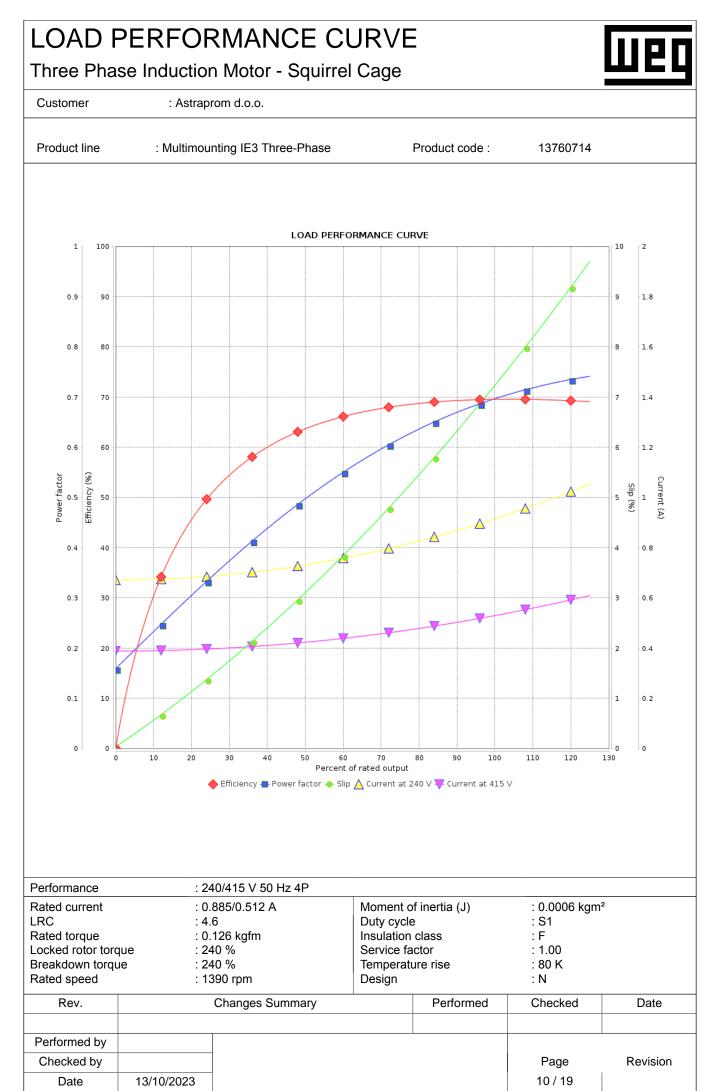
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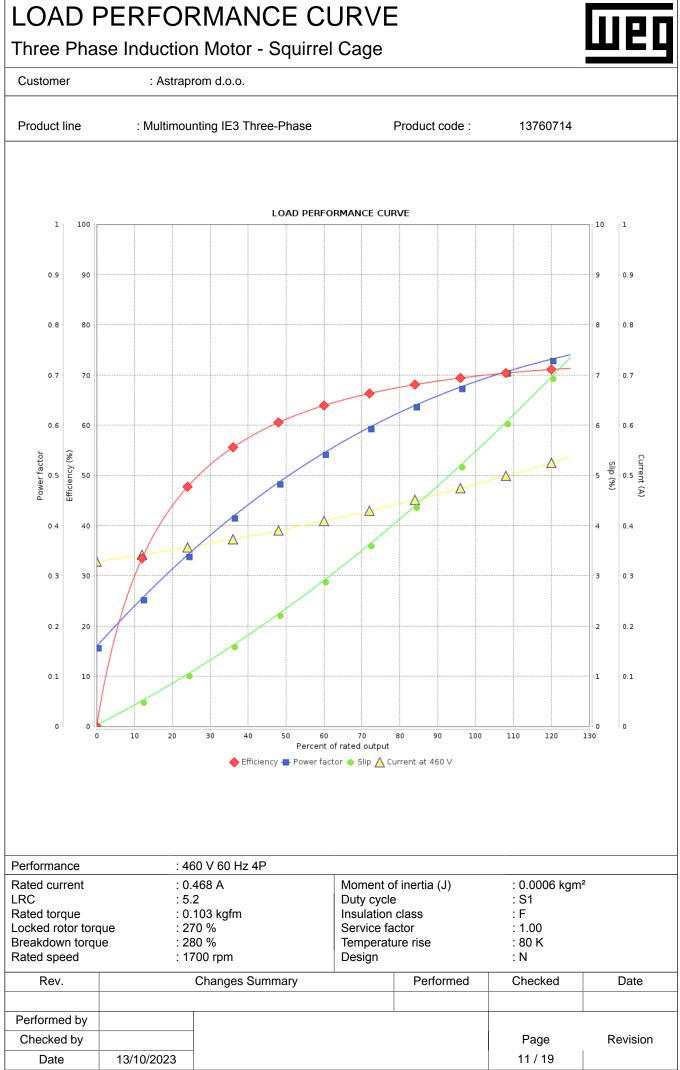


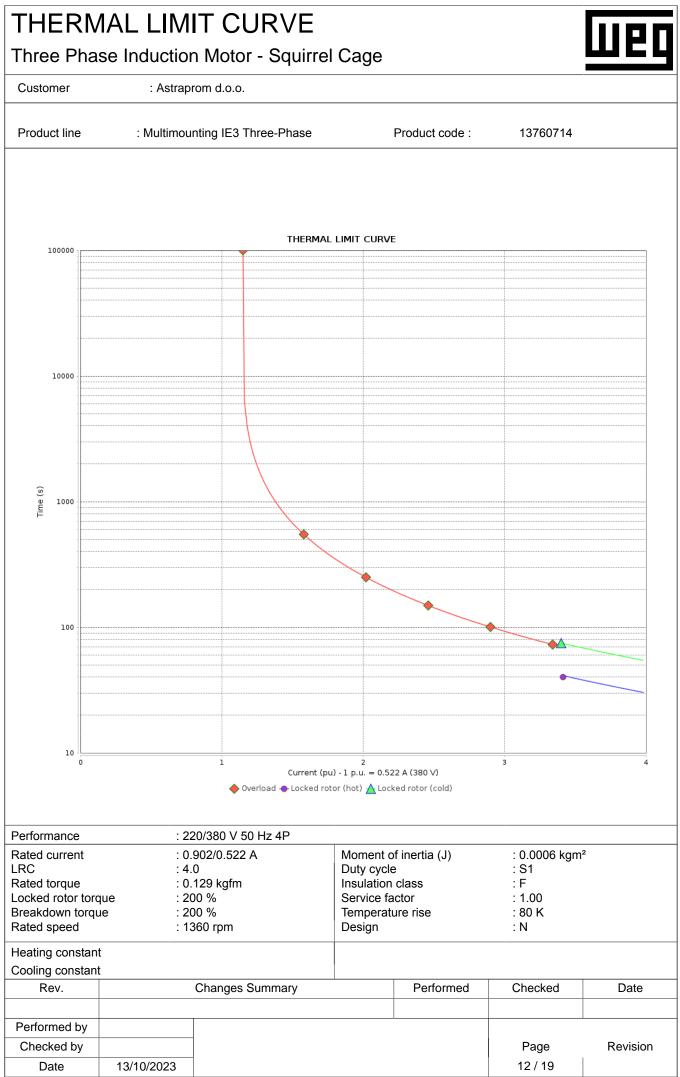


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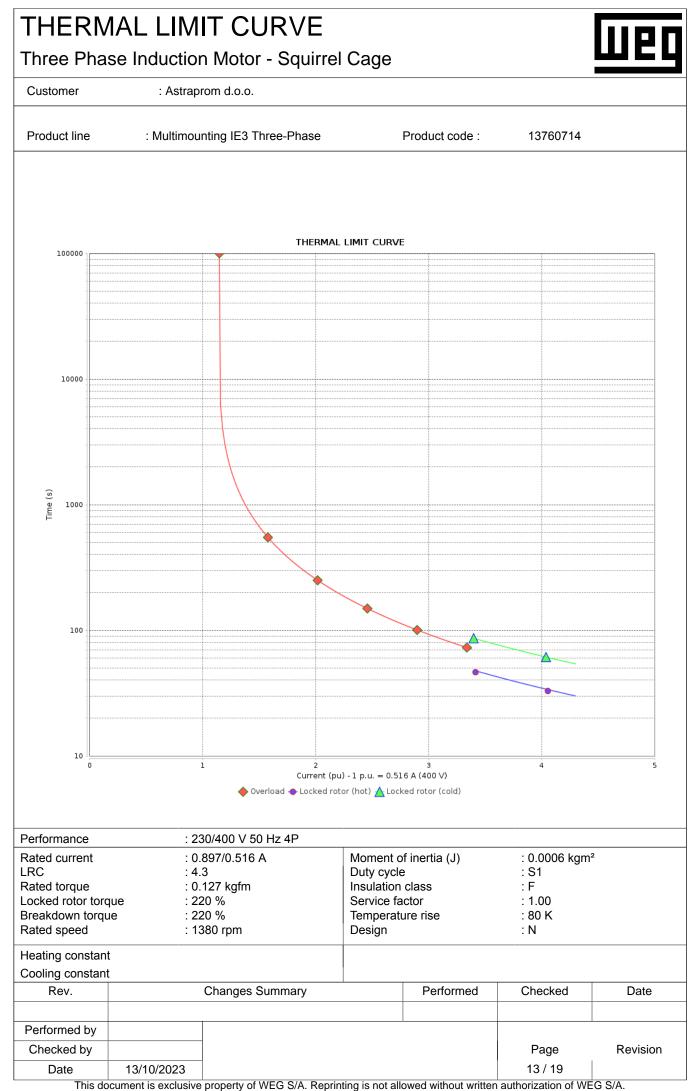


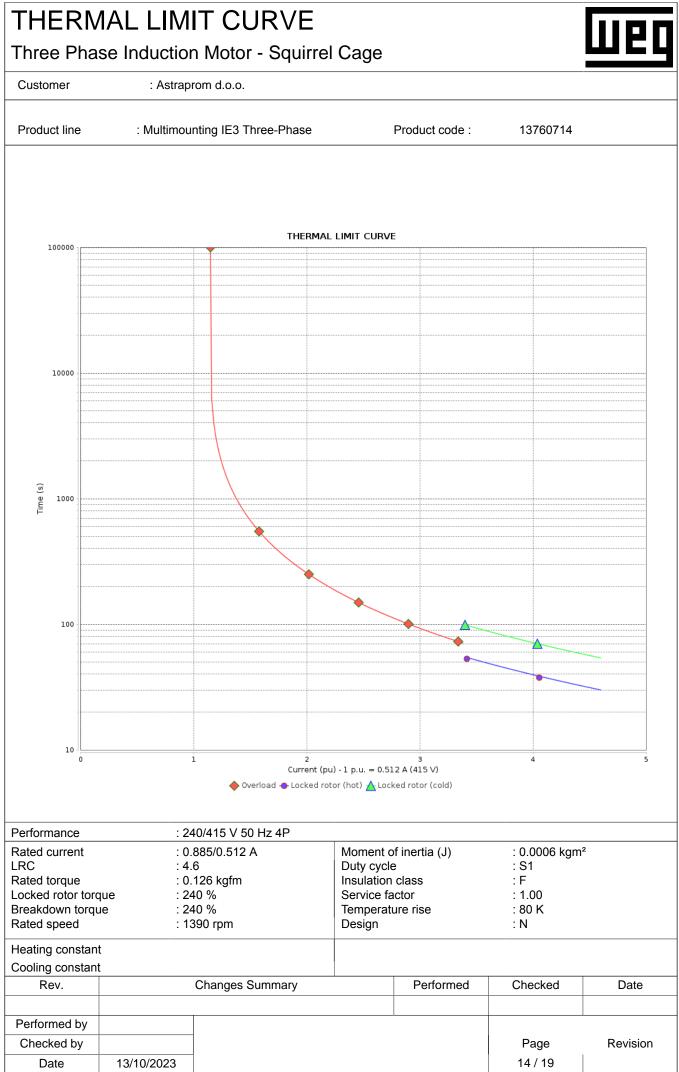


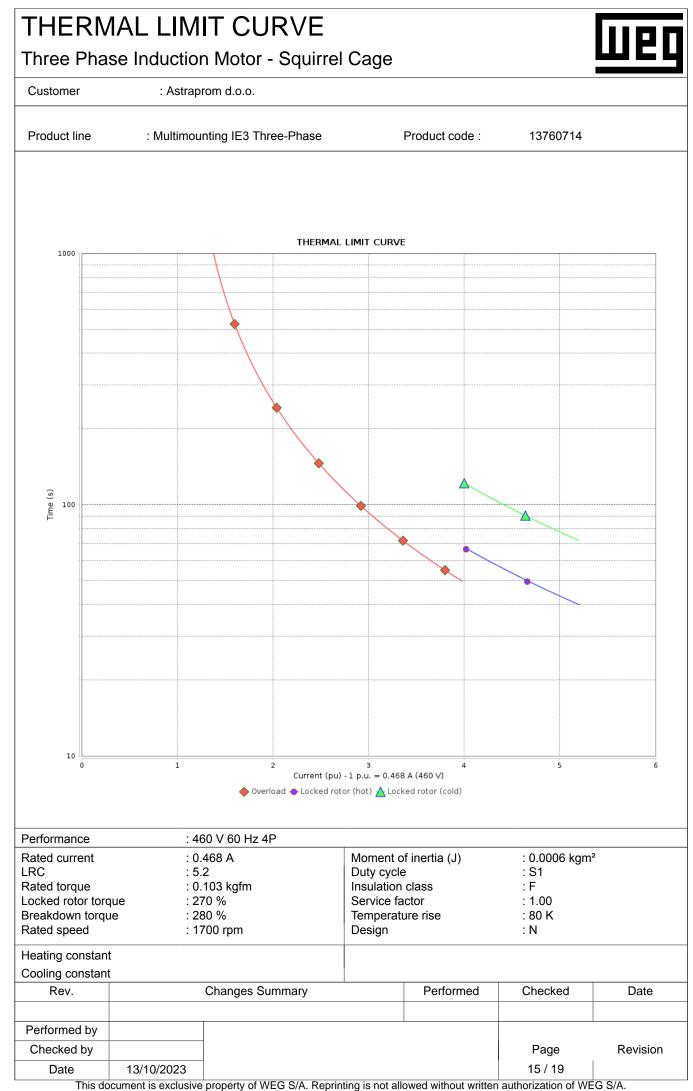


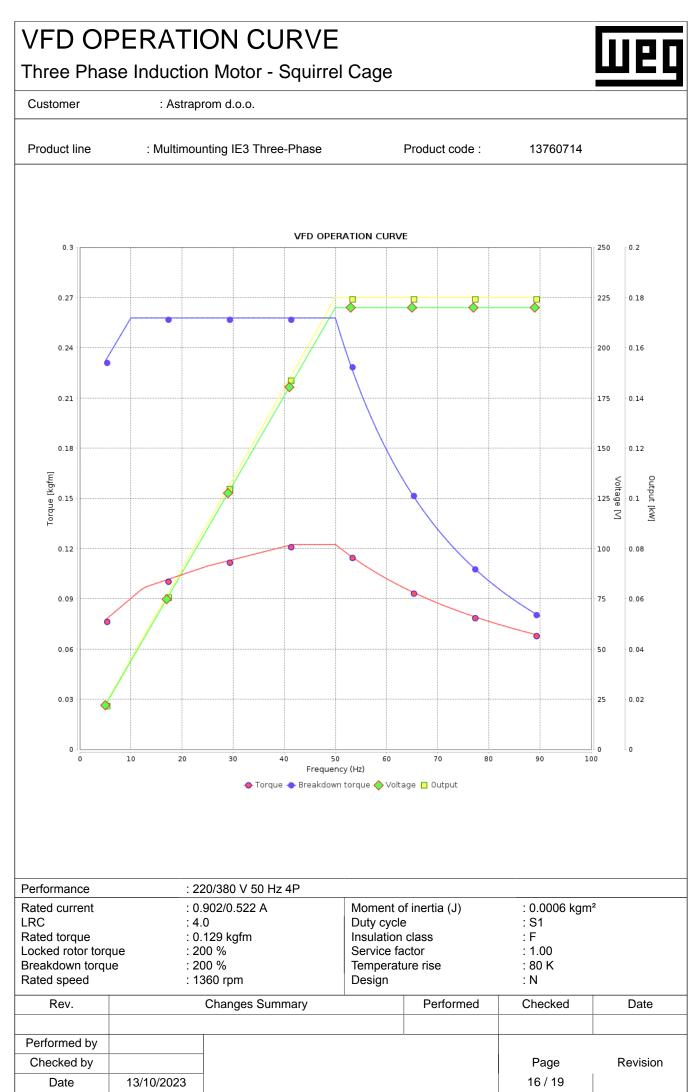


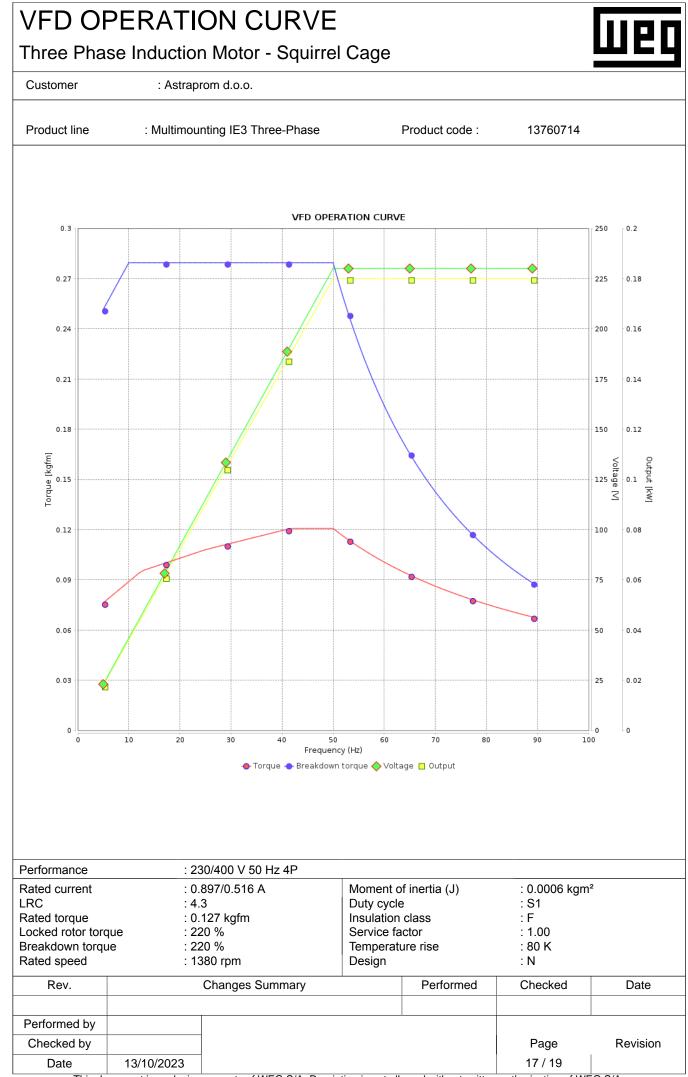
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