# DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer : Astraprom d.o.o.

Product line	duct line : W22 IE3 Three-Phase				Product code :			12868136		
Frame Insulation class Duty cycle Ambient temperature Altitude Protection degree Design		: 132M/L : F : S1 : -20°C to +40°C : 1000 m.a.s.l. : IP55 : N			Cooling method Mounting Rotation <sup>1</sup> Starting method Approx. weight <sup>3</sup> Moment of inertia (J)			: B5T : Both : Direc : 88.4	: IC411 - TEFC : B5T : Both (CW and CCW) : Direct On Line : 88.4 kg : 0.0755 kgm²	
Output [kW]		5.5		5.5			5.5		5.5	
Poles		6		6			6		6	
Frequency [Hz]		50		50			50		60	
Rated voltage [V]		380/660		400/690			415		460	
Rated current [A]		12.7/7.29		12.9/7.47			13.0		10.8	
L. R. Amperes [A]		88.6/51.0 7.0		94.1/54.5 7.3			98.6		86.7	
_RC [A] No load current [A]		7.0 6.50/3.74		7.3 7.20/4.17			7.6 7.80		8.0 6.70	
No load current [A] Rated speed [RPM]		965		970			970			1175
Rated speed [RPM]		3.50		3.00			3.00		2.08	
Rated torque [kgfm	ן	5.55		5.52			5.52		4.56	
_ocked rotor torque		190		220			260		250	
Breakdown torque		229		260			290		330	
Service factor		1.00			1.00		1.00		1.00	
Temperature rise		80 K			80 K		80 K		80 K	
Locked rotor time		27s (cold) 0s (hot)			27s (cold) 0s (hot)		27s (cold) 0s (hot)			old) 0s (hot)
Noise level <sup>2</sup>	050/		) dB(A)	5	3.0 dB(A)		53.0 d		55.	.0 dB(A)
-	25%		.000		0.000		0.00			05 E
Efficiency (%)	50% 75%		37.4 27.0		86.5		85.8 87.7			85.5 88.5
-	100%	87.9 88.0			87.9 88.0		87.7			91.0
	25%	0.00			0.00		0.00			01.0
Power Factor	50%	0.55			0.50		0.00			0.48
	75%	0.68		0.64			0.60			0.61
-	100%	0.75			0.70		0.67			0.70
Losses at normati	ve operating	points (sp	eed:toraue) i	n percer	ntage of rat	ted out	put power	1		
	P1 (0,				13.4		13.4		9.7	
		0,5;1,0) 12.1		12.1			12.1		8.8	
	P3 (0,2		11.5		11.5		11.5		8.4	
Losses (%)	P4 (0,		6.4		6.4		6.4		4.6	
	P5 (0,		4.9		4.9		4.9		3.6	
	P6 (0,5		3.4		3.4		3.4		2.5	
	P7 (0,2	25;0,25) 2.7			2.7			2.7		2.0
Bearing type Sealing Lubrication interval Lubricant amount		: 6308 : Oil S : - : -	Drive end Non driv 6308 ZZ 6207 Oil Seal Lip S  - Mobil Polyrex EM		Foundation loads Max. traction Max. compression			: 234 kgf : 322 kgf		
Lubricant type This revision repla must be eliminated (1) Looking the model (2) Measured at 1 (3) Approximate we manufacturing pro (4) At 100% of full	d. otor from the m and with to reight subjec ocess.	cel the pre shaft end. plerance of	vious one, wh				age values t ubject to the			
Rev.		Changes Summary				Performed		Checke	Checked [	
Performed by										
Checked by								Page	I	Revision
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Notes

Rev. Changes Summary Performed Checked Date Performed by Checked by Page Revision 22/11/2023 2/19 Date



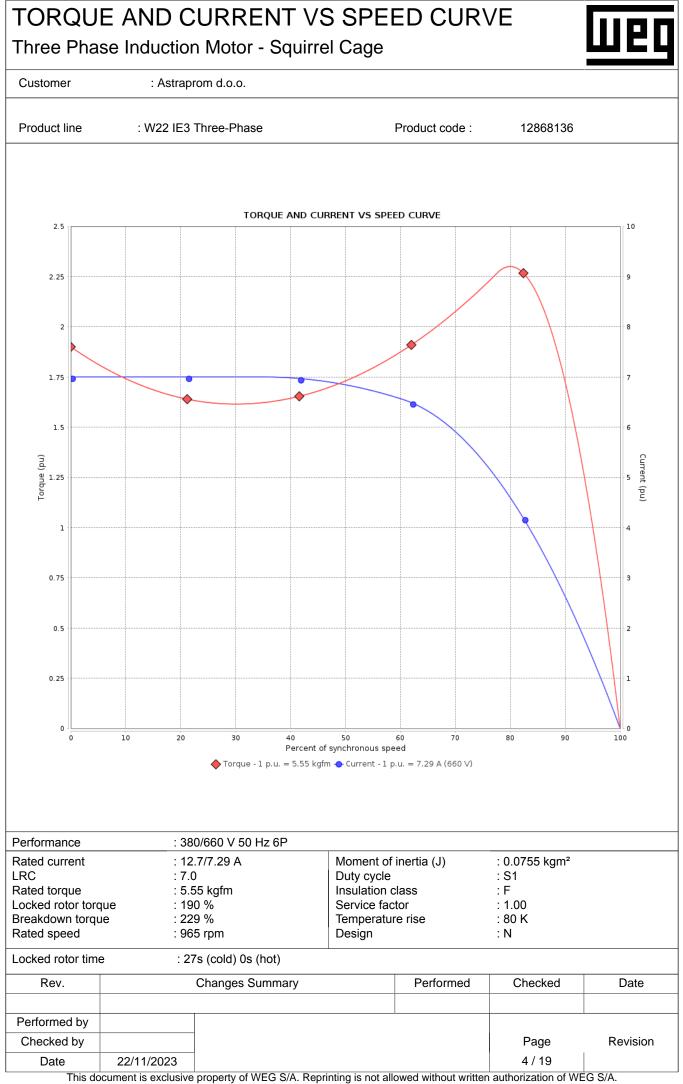
## DATA SHEET

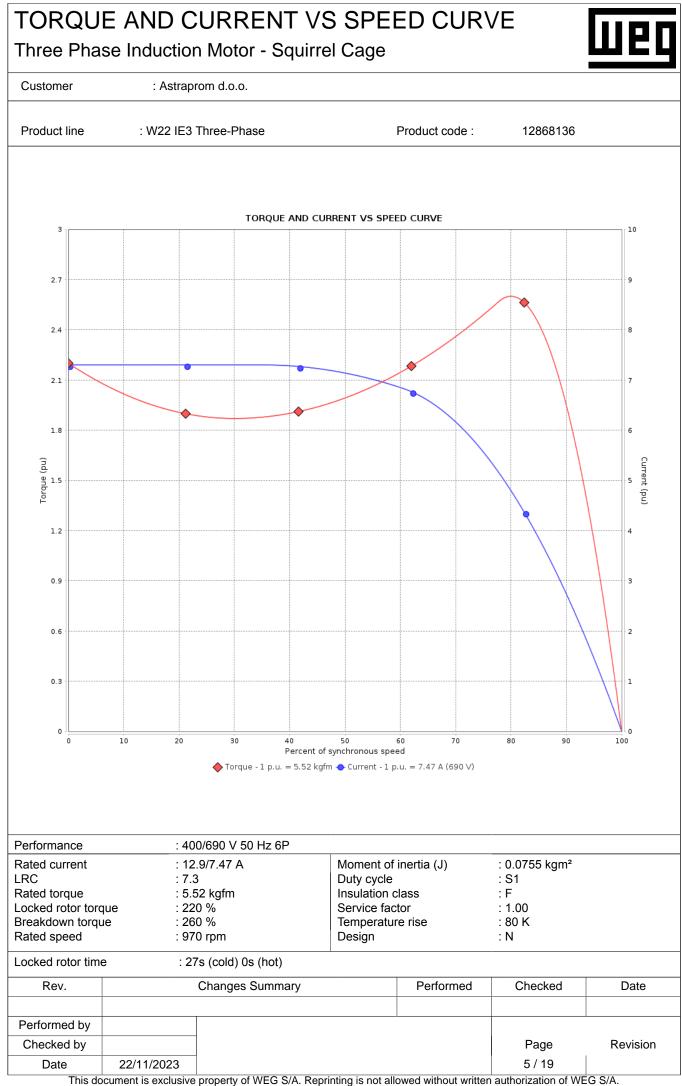
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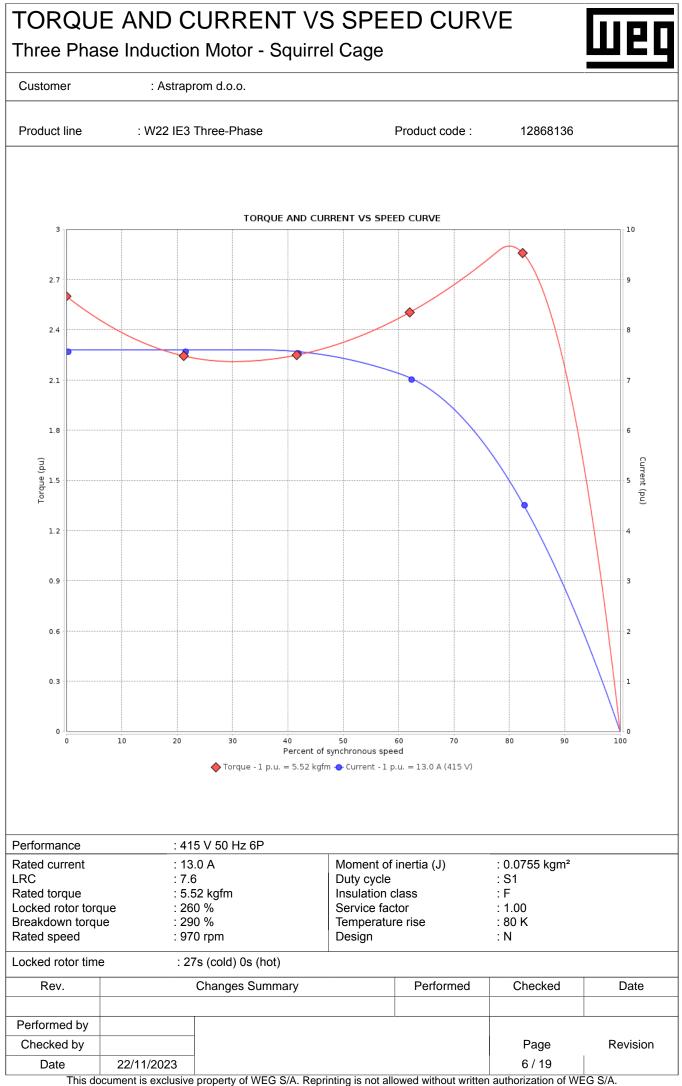


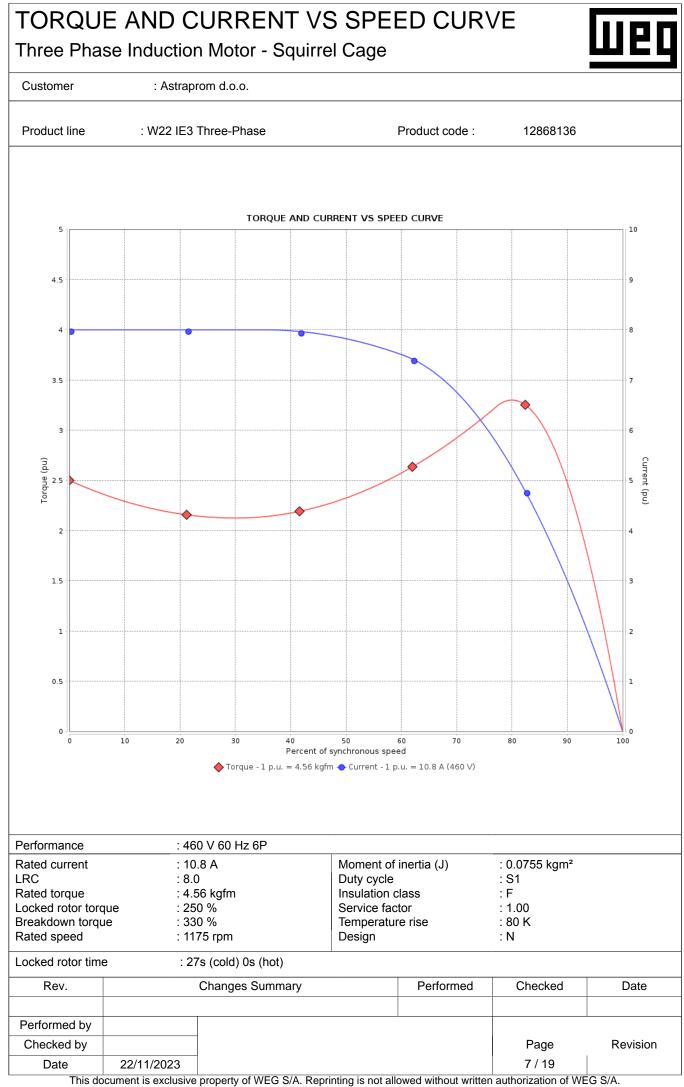
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ID	Application	Туре	Type Quantity		
1	Winding	Thermistor - 2 wires	1 x Phase	Sensing Temperature	
Rev.	Chang	ges Summary	Performed	Checked	Date
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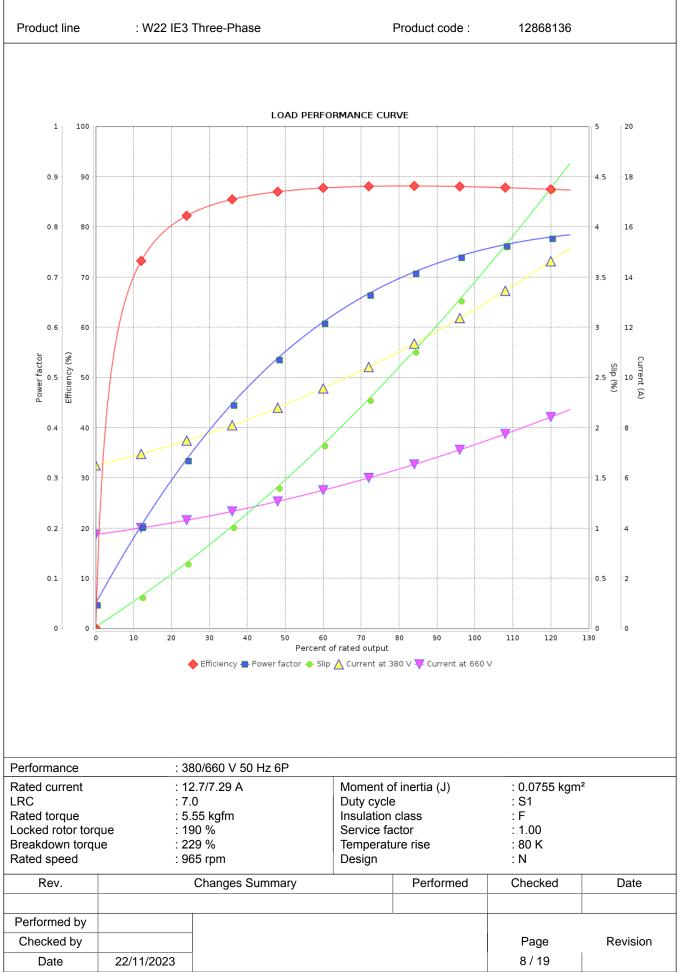
## LOAD PERFORMANCE CURVE

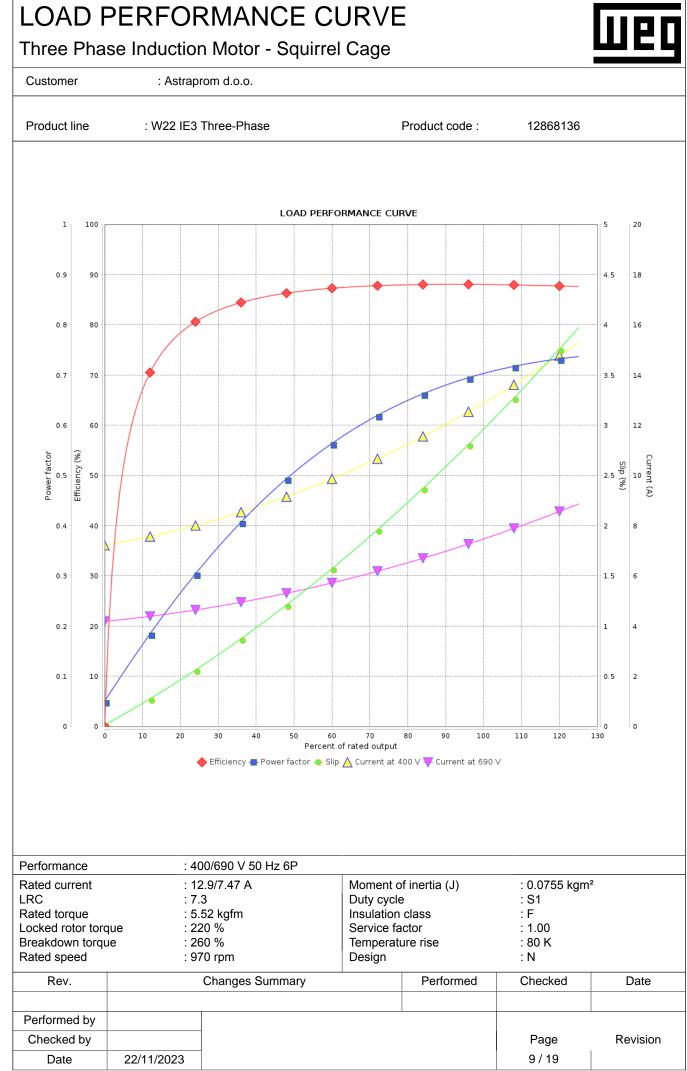
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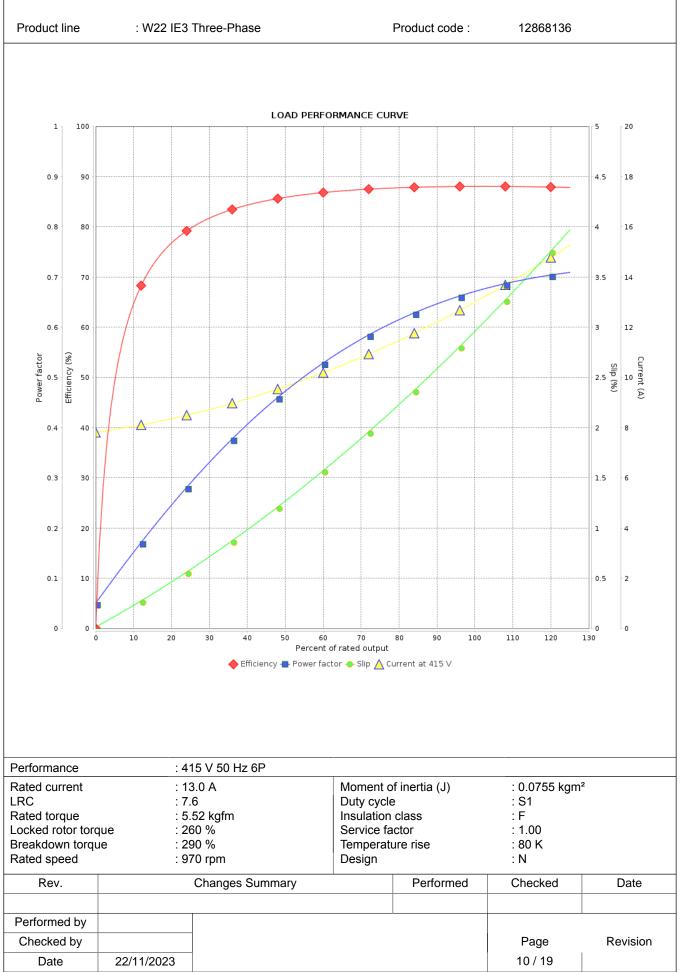
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