

BOAT Name MAIKO Sail Nr F30 2500	GPH 588.9	HULL Length Overall 9.435m Maximum Beam 3.038m Displacement 2,328kg Draft 2.142m Plan Review IMS Reg. Division Performance Dynamic Allowance 0.000% Hull Construction Cored Carbon Rudder Yes Crew Arm Extension
GENERAL Class FARR 30 Designer FARR Builder OVINGTON Series 03/1996, CIN GB-OVMGB85 Age 01/2000 Age Allowance 0.487% Offset File FARR30.OD.OFF - 24/05/2009 23:54:20 Measurement by - 11/05/2015		IMSLS 8.933m VCGD -0.244m Sink 12.00kg/mm RL 8.847m VCGM -0.198m WS 16.09m² LSM0 8.698m Displacement/Length ratio 3.5377



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SCORING OPTIONS						
	COASTAL / LONG DISTANCE			WINDWARD / LEEWARD		
Time on Distance	576.3			646.0		
Time on Time	1.0412			1.0450		
Triple Number	Low	Medium	High	Low	Medium	High
Time on Distance	653.3	530.5	470.0	837.9	649.9	572.4
Time on Time	1.0332	1.2724	1.4362	0.8056	1.0387	1.1792

TIME ALLOWANCES							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	954.4	792.7	730.1	709.9	702.2	689.4	688.1
52°	630.3	545.5	520.8	511.5	506.6	502.5	494.3
60°	596.4	531.2	507.7	495.6	488.6	484.6	471.5
75°	563.2	517.5	493.5	471.1	457.4	449.5	439.0
90°	547.8	502.4	474.4	456.2	436.5	418.4	401.6
110°	562.3	506.9	468.8	433.2	404.5	385.5	358.3
120°	589.6	512.5	471.1	434.2	404.7	372.9	330.4
135°	652.0	537.8	493.6	450.9	408.6	368.9	313.9
150°	770.2	619.2	535.3	494.2	455.4	416.6	336.1
Run VMG	889.4	715.0	614.8	556.3	512.5	477.7	388.0

Certificate
Number **141692**
ORC Ref **03520000MQ3**
Issued On **20/07/2020**
VPP Ver. **2020 1.02**
Valid until **01/01/2021**

Crew Weight
Default **564kg**
Maximum **565kg**
Minimum* **424kg**
**when applied by the NoR and SI*
Non Manual Pwr **No**

Special Scoring
ToD ToT
Non Spin GPH **630.0 0.9524**
Non Spin OSN **614.2 0.9769**

Selected Courses							
Windward / Leeward	921.9	753.8	672.5	633.1	607.4	583.5	538.1
Circular Random	791.0	648.4	573.4	529.5	500.5	479.1	446.7
Coastal / Long Distance	918.6	711.3	611.6	555.7	518.8	482.4	422.0
Non Spinnaker	865.2	700.1	611.8	560.0	526.8	503.5	471.1

Sails Limitations
Headsails **5** Spinnakers **4**

Velocity Prediction in Knots for True Wind Speeds							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat Angles	42.0°	40.5°	37.9°	37.1°	36.8°	36.4°	36.9°
Beat VMG	3.77	4.54	4.93	5.07	5.13	5.22	5.23
52°	5.71	6.60	6.91	7.04	7.11	7.16	7.28
60°	6.04	6.78	7.09	7.26	7.37	7.43	7.63
75°	6.39	6.96	7.30	7.64	7.87	8.01	8.20
90°	6.57	7.17	7.59	7.89	8.25	8.60	8.96
110°	6.40	7.10	7.68	8.31	8.90	9.34	10.05
120°	6.11	7.02	7.64	8.29	8.89	9.65	10.90
135°	5.52	6.69	7.29	7.98	8.81	9.76	11.47
150°	4.67	5.81	6.72	7.29	7.90	8.64	10.71
Run VMG	4.05	5.04	5.86	6.47	7.03	7.54	9.28
Gybe Angles	143.5°	146.0°	154.0°	162.0°	180.0°	180.0°	145.5°

Class Division Length
CDL = **8.883**

Storm Sails Areas
Heavy Weather Jib **18.30**
Storm Jib (JL=7.57) **6.78**
Storm Trysail **9.61**

Owner

BOAT	
Name MAIKO	Sail Nr F30 2500
File F302500	Data in meters/kilograms

RIG	
Forestay Tension Aft	Spreaders 2
Inner Stay None Fitted	Runners/Checkstays 0
Carbon Mast Yes	Jib Furler No
Fiber Rigging No	Main Furler No
Non-Circular Rigging No	
Articulated Bowsprit No	
P 12.360	E 4.440 MDT1 0.085 MW 0.143
IG 11.640	J 3.320 MDL1 0.143 GO 0.143
ISP 13.620	SFJ 0.100 MDT2 0.065 BD 0.134
BAS 1.255	SPL 4.140 MDL2 0.105 MWT 65.00
FSD 0.030	TPS TL 1.960 MCG 5.200

INCLINING TEST AND FREEBOARDS			
Inclining Test Current Inclining			
Flotation date 11/05/2017		SG 1.0060	
FFM 1.040	FF 1.045	SFFP 0.222	
FAM 0.752	FA 0.755	SAFP 8.685	
W1 40.0	PD1 326.0	WD 10.575	
W2 40.0	PD2 326.0	GSA 41.9	
W3 40.0	PD3 326.0	RSA 6207.2	
W4 40.0	PD4 326.0	PLM 2095.0	
LCF from stem on CL / on sheer		5.339 / 5.529	
Maximum beam station from stem		5.825	
RM Measured		47.3kg-m	
RM Default		54.1kg-m	
Limit of positive stability / Stab.Index		124.0° / 117.9	
Freeboard at mast at 3.420		0.940	



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MIZZEN RIG AND SAILS	
N/A	

PROPELLER			
Installation Strut	PRD 0.352		
Type Folding 2 blades	PBW 0.090		
Twin Screw No	PIPA 0.0032		
ST1 0.044	ST3 0.178	ST5 0.248	
ST2 0.178	ST4 0.114	EDL 1.278	

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COMMENTS	
NO ONE DESIGN	

MOVABLE BALLAST	
N/A	

CENTERBOARD	
N/A	



SAILS (Maximum Areas)									
Mainsail	MHB	MUW	MTW	MHW	MQW	Area	Area (r)	Formula	
	0.19	1.08	1.95	3.12	3.91	34.92	35.96	P/8 · (E + 2·MQW + 2·MHW + 1.5·MTW + MUW + 0.5·MHB)	
Symmetric	SLU	SLE	SL	SHW	SFL				
	13.82	13.82	13.82	7.65	7.21	87.09		SL · (SFL + 4·SHW) / 6	
Asymmetric	SLU	SLE	SL	SHW	SFL				
	14.12	12.45	13.29	6.75	6.88	75.02		AS · (SFL + 4·SHW) / 6	

HEADSAILS												
Area = 0.1125·HLU · (1.445·HLP + 2·HQW + 2·HHW + 1.5·HTW + HUW + 0.5·HHB)												
HHB	HUW	HTW	HHW	HQW	HLP	HLU	Area	Btn	Flying	Meas.Date	Material	Comment
0.10	0.53	0.97	1.82	2.66	3.42	11.65	20.89	Y	No	03/07/2020	Carbon	JL-6
0.11	0.53	0.97	1.81	2.65	3.42	11.58	20.72	Y	No	15/06/2020	Carbon	JM-9
0.10	0.52	0.96	1.78	2.61	3.42	11.65	20.62	Y	No	17/06/2019	Carbon	JM-8
0.08	0.50	0.95	1.79	2.60	3.39	11.62	20.45	Y	No	16/05/2019	Carbon	JL-5
0.08	0.45	0.85	1.70	2.57	3.40	11.55	19.78		No	16/05/2017	Technor	JT-1
0.04	0.39	0.77	1.52	2.24	2.88	10.95	16.32		Inner	16/05/2017	Polyest	SS-1
0.08	0.24	0.45	0.96	1.52	2.09	7.67	7.71		Inner	15/05/2017	Polyest	GS-1

MEASUREMENT INVENTORY				
Measurer				
Date 11/05/2017				
Comment WARNEMÜNDE				
Internal Ballast total = 12.0				
Id	Item	Weight	Distance	VCG Description
Id	Item	Maker	Model	
4	Engine	YANMAR	1GM10	
Id	Item	Weight Description		

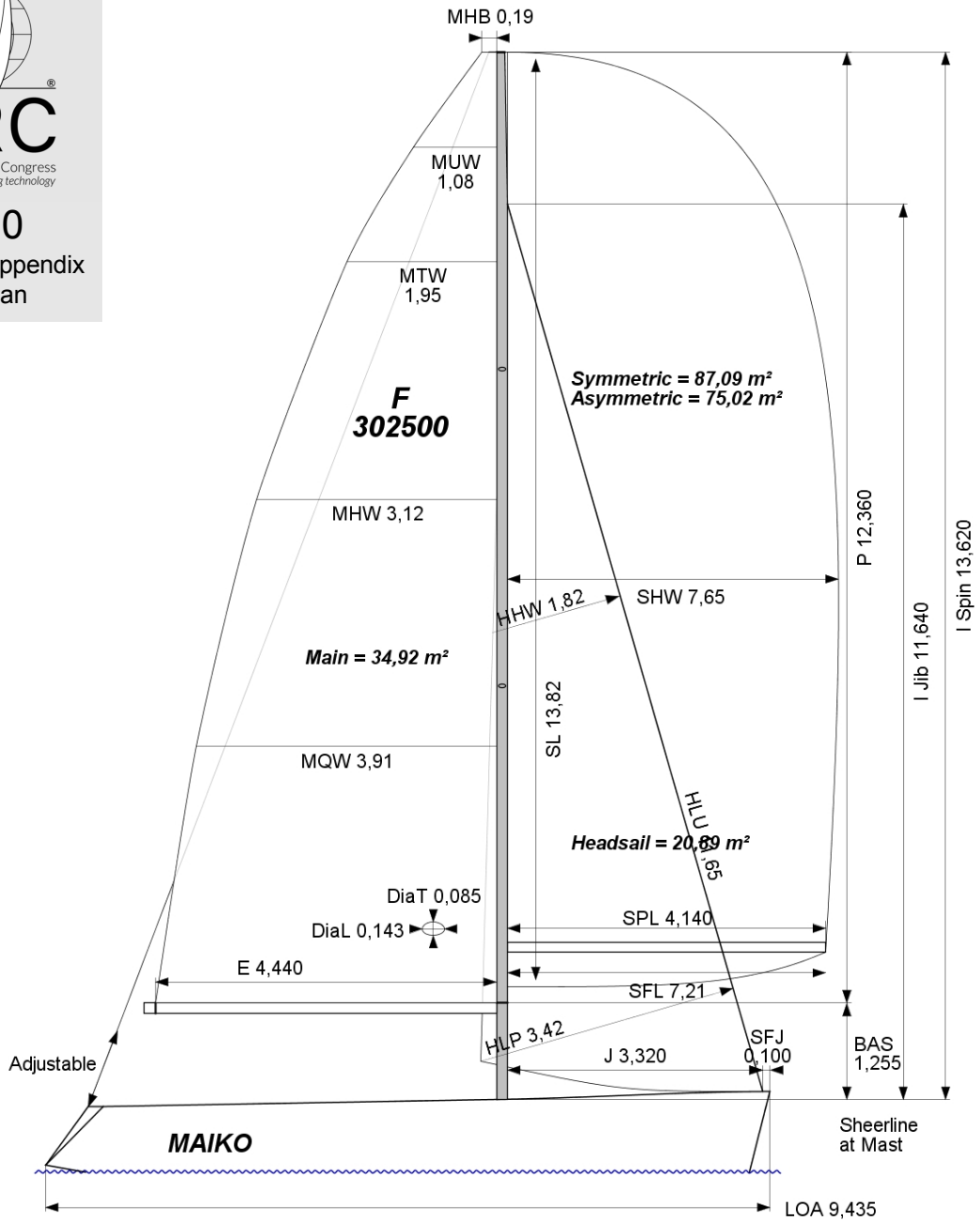
MEASUREMENT INVENTORY									
Id	Item	Tank Use	Tank Type	Capcty	Dist.	VCG	Condtn	Description	
6	Tank	Water	flex	55.0	4.00	-0.15	0-0	EMPTY	
5	Tank	Fuel	fix	40.0	6.60	-0.12	0-0	EMPTY	
Id	Item	Weight	Distance	VCG Description					
1	Ballast	12.0	6.00	-0.12 Blei verklebt					
3	Battery	16.0	6.10	-0.12 Service					
2	Battery	16.0	6.00	-0.12 Start					
Misc									



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Sail Plan



SAILS INVENTORY

MAINSAIL (2)

Id	MHB	MUW	MTW	MHW	MQW	Area	Measurer	Meas.Date	Manufacture	Material	Comment
167674	0.19	1.08	1.95	3.12	3.91	34.92		17/06/2019	BODING	Carbon	M-5
159144	0.16	1.06	1.91	3.07	3.85	34.44		17/01/2017	BODING	Technora	M-3

Id	HHB	HUW	HTW	HHW	HQW	HLP	HLU	Ovrlp	Area	Btn	Flying	Measurer	Meas.Date	Manufacture	Material	Comment
143202	0.10	0.53	0.97	1.82	2.66	3.42	11.65	103%	20.89	Y	No		03/07/2020	BODING	Carbon	JL-6
142824	0.11	0.53	0.97	1.81	2.65	3.42	11.58	103%	20.72	Y	No		15/06/2020	BODING	Carbon	JM-9
167463	0.10	0.52	0.96	1.78	2.61	3.42	11.65	103%	20.62	Y	No		17/06/2019	BODING	Carbon	JM-8
167466	0.08	0.50	0.95	1.79	2.60	3.39	11.62	102%	20.45	Y	No		16/05/2019	BODING	Carbon	JL-5
159156	0.08	0.45	0.85	1.70	2.57	3.40	11.55	102%	19.78		No		16/05/2017	BODING	Technor	JT-1
159151	0.04	0.39	0.77	1.52	2.24	2.88	10.95	87%	16.32		Inner		16/05/2017	BODING	Polyest	SS-1
159160	0.08	0.24	0.45	0.96	1.52	2.09	7.67	63%	7.71		Inner		15/05/2017	BODING	Polyest	GS-1

SYMMETRIC SPINNAKERS (4)

Id	SLU	SLE	SL	SHW	SFL	Area	Measurer	Meas.Date	Manufacture	Material	Comment
0	13.82	13.82	13.82	7.65	7.21	87.09		12/03/2020	BODING	Nylon	S2-2
159153	13.68	13.68	13.68	7.67	7.21	86.39		16/05/2017	BODING	Nylon	S1.5-2
159152	13.76	13.76	13.76	7.50	7.21	85.34		30/08/2016	NORTH	Nylon	S2-1
159154	11.81	11.81	11.81	6.28	6.32	61.89		16/05/2017	NORTH	Nylon	S6-1

ASYMMETRIC SPINNAKERS (2)

Id	SLU	SLE	SL	SHW	SFL	Area	Kind	Measurer	Meas.Date	Manufacture	Material	Comment
0	14.12	12.45	13.29	6.75	6.88	75.02	asym		26/03/2020	BODING	Nylon	A3-1
1	11.92	11.03	11.48	5.63	7.39	57.21	asy77		30/03/2020	BODING	Polyester	A5-1