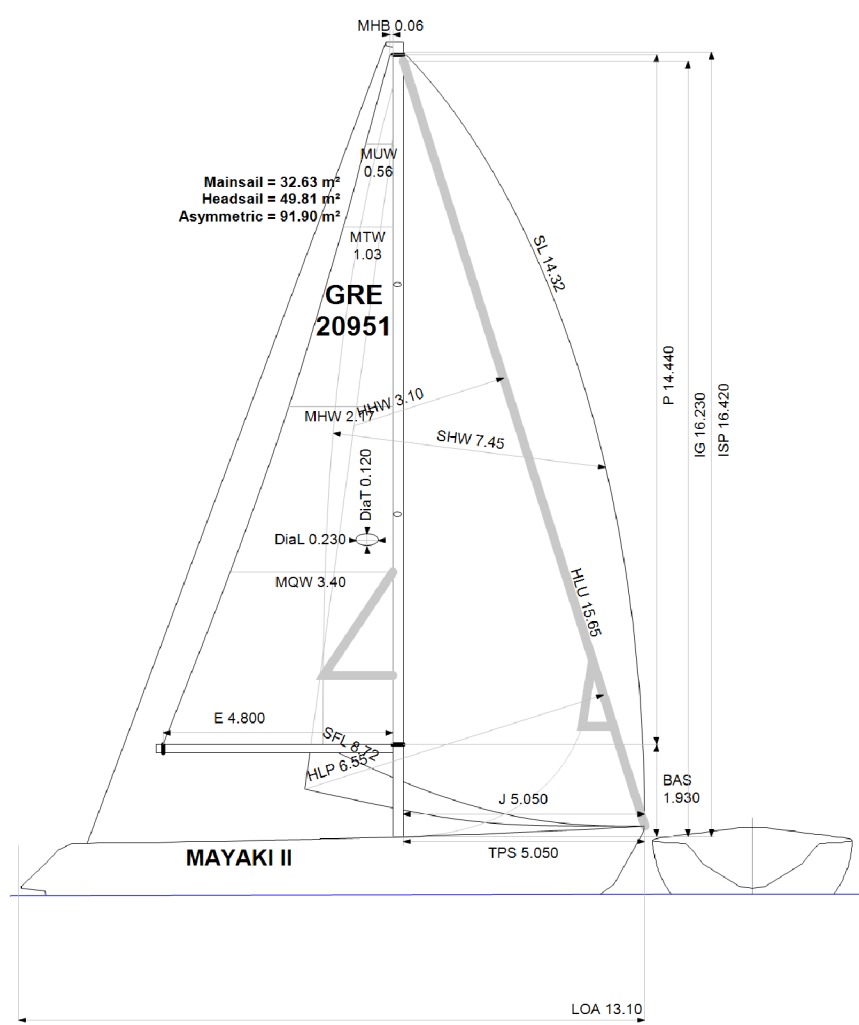




Club Certificate
2025

MAYAKI II
GRE-20951

Hellenic Sailing Federation
Offshore Committee
Επιτροπή Ανοικτής Θαλάσσης
Ελληνικής Ισοπολικής
Ομοσπονδίας



APH ToD: **583.6** CDL: **9.410**
APH ToT: **1.0282** CertNo: 02147

BOAT
Class **MOODY 44**
Designer **BILL DIXON**
Builder **MARINE PROJECTS**
Age date **01/1994**
Series date **01/1993**
Offset file **ISUNM44.OFF**
Data file **GR20951**

HULL
Length Overall **13.100 m**
Maximum Beam **4.180 m**
Draft **2.129 m**
Displacement **10.500 kg**
DLR **7.9911**
IMS Division **Cruiser/Racer**
Dynamic Allowance **0.490%**
Age Allowance **0.487%**

PROPELLER
Installation **Shaft exposed**
Type **Solid 3 blades**
Diameter **0.470m**

CREW
Maximum weight **500 kg** (declared)
Minimum weight **370 kg** * when applied
Non Manual Power **No**
Crew Arm Extension

SAIL AREAS (m²)

	Measured	Rated
Mainsail	32.63	32.39
Headsail Luffed	49.81	49.81
Headsail Flying		
Symmetric		
Asymmetric	91.90	98.90

(All asymmetric spinnakers with SHWSFL > 85%)

STORM SAIL AREAS (m²)
Trysail **12.13**
Storm Jib **13.18**
Heavy Weather Jib **35.57**

SAIL LIMITS
Headsails **5** * One set on the forestay
Spinnakers **4** * Woven polyester sails

STABILITY
Righting Moment **N/A**
Stability Index **N/A**

COMMENTS
Builder's displacement.
The owner and any other person in charge is responsible that boat is complying with her certificate in accordance with RRS 78.1 and ORC Rule 304.

Rated boat velocities in knots

Wind Velocity	4 kt	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt	24 kt
Beat Angles	46.0°	46.0°	43.8°	42.3°	41.4°	40.7°	40.2°	40.0°	40.7°
Beat VMG	2.05	2.93	3.69	4.26	4.70	4.99	5.16	5.25	5.18
52°	3.29	4.59	5.65	6.41	6.95	7.28	7.47	7.60	7.58
60°	3.57	4.91	5.96	6.71	7.21	7.51	7.70	7.85	7.87
75°	3.75	5.13	6.18	6.94	7.42	7.72	7.92	8.18	8.29
90°	3.62	5.07	6.28	7.15	7.66	7.96	8.13	8.35	8.61
110°	3.70	5.21	6.45	7.32	7.82	8.16	8.45	8.95	9.25
120°	3.56	5.02	6.26	7.17	7.73	8.09	8.41	9.02	9.64
135°	3.08	4.44	5.66	6.65	7.37	7.83	8.17	8.80	9.50
150°	2.54	3.74	4.86	5.82	6.63	7.25	7.68	8.26	8.79
Run VMG	2.20	3.24	4.21	5.04	5.74	6.29	6.73	7.45	8.03
Gybe Angles	143.9°	143.9°	146.0°	147.4°	148.3°	151.2°	156.1°	175.3°	176.8°

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Time Allowances in secs/NM

Wind Velocity	4 kt	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt	24 kt
Beat VMG	1756.2	1228.5	975.1	844.2	766.2	720.9	698.1	686.0	695.6
52°	1095.3	784.3	637.5	561.7	517.7	494.4	481.9	473.9	474.7
60°	1008.3	732.8	604.2	536.4	499.4	479.3	467.8	458.9	457.5
75°	960.3	702.2	582.3	518.6	485.3	466.5	454.4	440.0	434.2
90°	994.6	709.5	573.6	503.6	469.9	452.2	442.6	431.2	418.4
110°	972.3	691.4	558.0	491.8	460.5	441.4	426.1	402.1	389.2
120°	1012.5	717.2	575.4	501.9	466.0	444.9	428.3	399.3	373.6
135°	1169.6	811.1	636.2	541.3	488.2	459.7	440.7	409.3	378.8
150°	1417.5	963.2	740.5	618.6	543.3	496.5	468.8	436.1	409.7
Run VMG	1636.8	1112.2	855.1	714.3	627.4	572.8	534.8	483.5	448.4
Selected Courses									
Windward / Leeward	1696.0	1170.3	915.1	779.2	696.8	646.9	616.5	584.7	572.0
All purpose	1270.9	890.8	707.5	611.0	555.9	523.8	504.1	482.5	471.5

Single Number Scoring Options

Course	Time On Distance	Time On Time
Windward / Leeward	735.2	0.8161
All purpose	583.6	1.0282

Custom scoring options for Greece

Scoring Option	Time On Distance	Time On Time
Coastal/Long Distance	640.1	0.9374
Triple Number Coastal/Long Distance Low	799.1	0.7508
Triple Number Coastal/Long Distance Medium	578.9	1.0365
Triple Number Coastal/Long Distance High	501.0	1.1977
Triple Number Windward/Leeward Low	1042.8	0.5754
Triple Number Windward/Leeward Medium	730.0	0.8219
Triple Number Windward/Leeward High	612.2	0.9801

Performance Curve	4 kt	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt	24 kt
Coastal/Long Distance	1801.5	1164.5	856.7	695.4	597.3	544.6	509.0	461.3	446.8

- AUS AUT BRA BUL CAN CYP DEN ESP EST FIN FRA GER GRE HUN ISR
JPN KOR LTU NED NOR POR RSA RUS SLO SUI SWE UKR USA

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HULL AND APPENDAGES (Lightship Trim)

	LOA	13.100	VCCD	0.125	
Class	MOODY 44		VCGM	0.965	
Measurement	16/07/2023	Max Beam	4.180	RM Rated (kg-m)	228.0
HIN		Draft	2.129	Limit of positive stability(°)	N/A
Plan review		Displacement	10.500	Stability Index	N/A
Hull construction	Solid	Wetted area	36.31	Default crew weight	784
Carbon rudder	No	IMS L	11.223	Declared crew weight	500
Light stanchions	No	LSMO	10.952		
Trim tab	No	Acc. length	13.100		
		Sink (kg/mm)	26.27		

PROPELLER

Propeller Type	Solid 3 blades	PRD	0.470	PSD	PSA	ST1	ST4
Installation	Shaft exposed	PBW	0.150	PHD	ESL	ST2	ST5
Twin screw	No	PIPA	0.0275	PHL		ST3	
Hydro generator	No						

RIG

Forestay tension	Fixed	P	14.440	E	4.800
Inner stay	None Fitted	IG	16.230	J	5.050
Mast material	Aluminum	ISP	16.420	BAS	1.930
Single headsail furler	Yes	MDT1	0.120	FSD	Foil
Mainsail furler	In mast	MDL1	0.230	SFJ	0.000
Articulated bowsprit	No	MDT2		SPL	
Non-circular rigging	No	MDL2		WPL	
Fiber rigging	No	TL	No Taper	TPS	5.050
Adjustable mast foot	No	MW		BD	
Running backstays	0	GO		MWT	
Checkstays	0			MCG	
Spreaders	2				
Rotating mast	No				

FLOTATION AND STABILITY
Calculation method **RM estimated**
Flotation Date **01/01/2013**

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MAINSAIL

Id	MHB	MUW	MTW	MHW	MQW	Area	Meas.Date	Comment
1	0.06	0.56	1.03	2.17	3.40	32.63	01/07/2023	

HEADSAIL

Id	HHB	HUW	HTW	HHW	HQW	HLP	HLU	Btn	Flying FT	Area	Meas.Date	Comment
1	0.06	0.79	1.54	3.10	4.75	6.55	15.65	No	No	49.81	01/07/2023	

ASYMMETRIC SPINNAKER

Id	SLU	SLE	SL	SHW	SFL	Ratio	Area	Meas.Date	Comment
1	15.03	13.60	14.32	7.45	8.72	85%	91.90	09/03/2024	

CRUISER/RACER REQUIREMENTS*

Accommodation length	13.1 m	Table area	0.66 m²	Headroom	1.86 m
Minimum number of berths	6	Personal gear storage	0.24 m³	Fresh water capacity	213 l
Minimum number of seats in cockpit	6	Food storage	0.36 m³	Fuel capacity	112 l
Cabin sole		Stoves		Sinks	
Galley gear stowage		Toilet		Wash basin	
Navigation area		Hanging locker			

*This list is a summary of the requirements. See IMS Appendix 1 for details.

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