



2020 ORC Club Certificate

Rating Office
Hellenic Sailing Federation
Offshore Committee
Επιτροπή
Ανοικτής Θαλάσσης
Ελληνικής
Ιστιοπλοϊκής Ομοσπονδίας

Certificate
 Number **00063**
 Issued On **01/07/2020**
 ORC Ref **03420000LQV**
 VPP Ver. **2020 1.02**
 Valid until **28/02/2021**

Crew Weight

Default	501kg
Maximum	300kg
Minimum*	215kg

**when applied by the NoR and SI*
 Non Manual Pwr **No**

Special Scoring

ToD	ToT
Non Spin GPH 815.9	0.7354
Non Spin OSN 783.8	0.7655

Sails Limitations

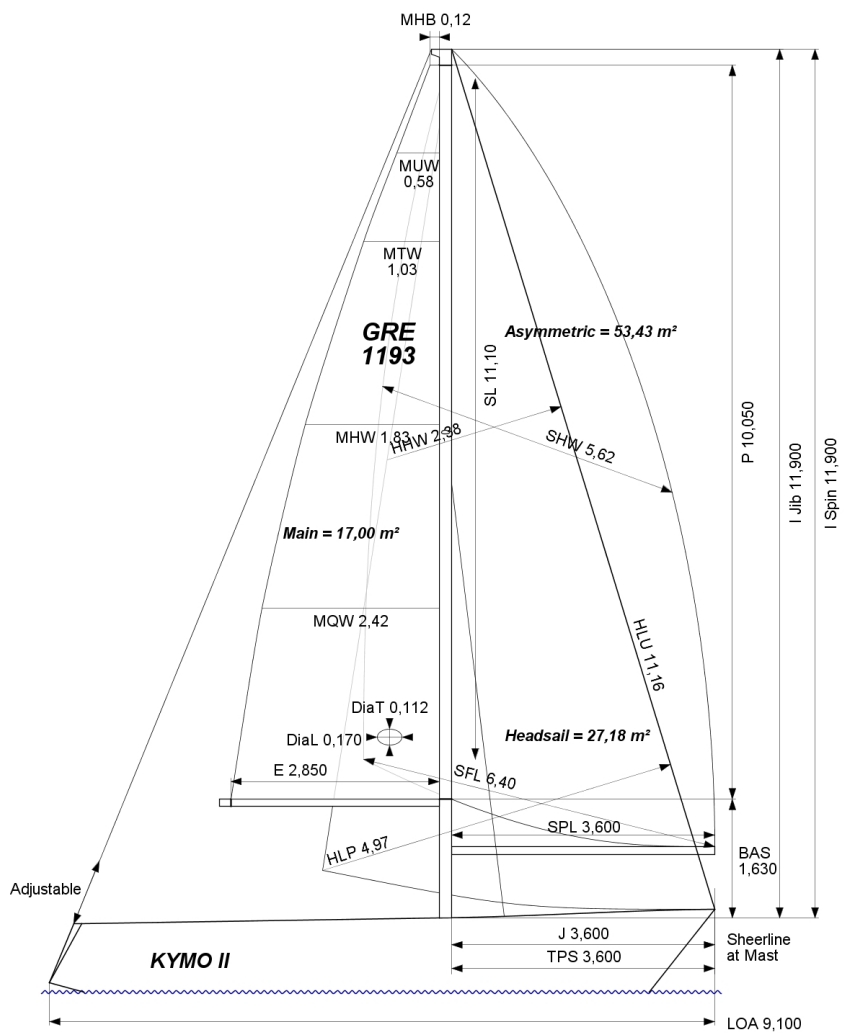
Headsails **5** Spinnakers **4**

Spinnaker configuration
 Symmetric: **No**
 Asymmetric: **Yes 53.43**
 Flying H/S: **No**
 Spin. Pole: **Yes**

Class Division Length
CDL = 6.522

Stability (Estimated)
 Limit Positive Stab.: **107.3°**
 Stability Index: **108.8**

Owner



BOAT Name KYMO II Sail Nr GRE-1193		GPH 776.3	HULL Data File GR1193 LOA 9.100m Offset File GR0066.off MB 3.240m Displacement 4,853kg Draft 1.692m				
CLASS Class DISCOVERY 3000 Designer ED DUBOIS Builder DROMOR Series 01/1986 Age Date 01/1986 Age Allowance 0.487%		IMS Division Cruiser/Racer Dynamic All. 0.647% Plan Review Construction Solid Fiber Rigging No Aramid Core No Crew Arm Ex Carbon Rudder No Light Stanchions No		IMSL 7.896m VCGD 0.015m Sink 15.20kg/mm RL 5.147m VCGM 0.168m WS 20.87m² LSMO 8.008m Displacement/Length ratio 9.4501			
COMMENTS ex "ARIADNI ", ex "VIRGINIA"		Water Ballast 0 Trim Tab No BLR Index 0.0000		CENTERBOARD N/A			
PROPELLER Installation Shaft exposed PRD 0.360 Type Solid 3 blades PBW 0.120 PIPA 0.0172							
SCORING OPTIONS							
	COASTAL / LONG DISTANCE			WINDWARD / LEEWARD			
Time on Distance	749.7			841.0			
Time on Time	0.8003			0.8026			
Triple Number	Low	Medium	High	Low	Medium	High	
Time on Distance	916.6	681.4	593.2	1184.6	853.1	714.9	
Time on Time	0.7364	0.9906	1.1379	0.5698	0.7912	0.9442	

BOAT	
Name KYMO II	Sail Nr GRE-1193
File GR1193	Data in meters/kilograms

RIG			
Forestay Tension	Aft	Spreaders	1
Inner Stay	Fixed	Runners/Checkstays	0
Carbon Mast	No	Jib Furler	No
Fiber Rigging	No	Main Furler	No
Non-Circular Rigging	No		
Articulated Bowsprit	No		
P	10.050	E	2.850
IG	11.900	J	3.600
ISP	11.900	SFJ	0.000
BAS	1.630	SPL	3.600
FSD	-3.000	TPS	3.600
MDT1	0.112	MW	
MDL1	0.170	GO	
MDT2		BD	
MDL2		MWT	
TL	-3.000	MCG	

INCLINING TEST AND FREEBOARDS			
Inclining Test Club Estimated VCG			
Flotation date 02/08/2006		SG	
FFM	1.109	FF	1.118
FAM	0.929	FA	0.934
SFFP	0.580	SAFP	8.658
LCF from stem on CL / on sheer		5.108 / 5.366	
Maximum beam station from stem		5.400	
RM Measured		80.9kg-m	
RM Default		78.5kg-m	
Limit of positive stability / Stab.Index		107.3° / 108.8	
Freeboard at mast at 3.600		1.012	



2020
Measurements
Datasheet

MIZZEN RIG AND SAILS	
N/A	

PROPELLER			
Installation	Shaft exposed	PRD	0.360
Type	Solid 3 blades	PBW	0.120
Twin Screw	No	PIPA	0.0172
PSA	18.000	PHL	0.056
PSD	0.025	ST1	0.012
PHD	0.057	ST2	0.105
ST3	0.112	ESL	0.702
ST4	0.056		
ST5	0.130		

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COMMENTS	
ex "ARIADNI ", ex "VIRGINIA"	

MOVABLE BALLAST	
N/A	

CENTERBOARD	
N/A	

SAILS INVENTORY																
MAINSAIL (1)																
Id	MHB	MUW	MTW	MHW	MQW	Area	Measurer	Meas.Date	Manufacture	Material	Comment					
M1	0.12	0.58	1.03	1.83	2.42	17.01					* Copied from legacy					
HEADSAILS (3)																
Id	HHB	HUW	HTW	HHW	HQW	HLP	HLU	Ovrlp	Area	Btn	Flying	Measurer	Meas.Date	Manufacture	Material	Comment
G1	0.00	0.58	1.16	2.38	3.67	4.97	11.16	138%	27.18		No		21/02/2009	KAKITSIS	Dacron	
2	0.08	0.60	1.16	2.36	3.63	4.98	11.18	138%	27.11		No		01/04/2018	Quantum	Dacron	
3	0.05	0.41	0.77	1.55	2.31	3.07	10.25	85%	15.85	Y	No		15/03/2015	Unknown	Kevlar	Highy clew
SYMMETRIC SPINNAKERS (0)																
Id	SLU	SLE	SL	SHW	SFL	Area	Measurer	Meas.Date	Manufacture	Material	Comment					
ASYMMETRIC SPINNAKERS (1)																
Id	SLU	SLE	SL	SHW	SFL	Area	Kind	Measurer	Meas.Date	Manufacture	Material	Comment				
1	12.02	10.18	11.10	5.62	6.40	53.43	asym		03/06/2009	KAKITSIS	Polyester					

2020

ORC Club Certificate Appendix

BOAT	
Name KYMO II	Certificate Number 00063
Sail Nr GRE-1193	Issued On 01/07/2020

TIME ALLOWANCES							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	1403.6	1150.1	1018.1	930.8	873.8	849.2	852.4
52°	901.3	756.6	674.1	616.9	587.7	574.6	571.9
60°	846.6	717.8	638.8	592.1	569.2	557.0	551.0
75°	813.0	688.9	612.1	574.3	554.3	541.0	525.0
90°	806.7	665.5	585.3	552.6	536.2	528.6	511.4
110°	794.4	654.9	578.6	546.2	524.6	505.3	478.5
120°	823.5	675.0	588.9	551.3	529.1	508.3	471.5
135°	915.3	737.1	631.3	572.6	543.9	522.4	481.8
150°	1062.6	831.1	703.9	617.9	569.7	543.9	504.5
Run VMG	1227.0	958.1	808.7	707.2	629.1	578.7	530.5
Selected Courses							
Windward / Leeward	1315.3	1054.1	913.4	819.0	751.4	714.0	691.4
Circular Random	1092.4	872.7	751.9	679.8	635.1	607.1	577.8
Coastal / Long Distance	1306.5	987.8	815.8	704.8	641.8	601.7	546.7
Non Spinnaker	1163.7	923.3	789.4	708.5	657.5	625.1	590.3

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	45.0°	43.1°	42.0°	42.0°	42.8°	42.2°	42.6°
Beat VMG	2.56	3.13	3.54	3.87	4.12	4.24	4.22
52°	3.99	4.76	5.34	5.84	6.13	6.26	6.29
60°	4.25	5.01	5.64	6.08	6.32	6.46	6.53
75°	4.43	5.23	5.88	6.27	6.50	6.65	6.86
90°	4.46	5.41	6.15	6.51	6.71	6.81	7.04
110°	4.53	5.50	6.22	6.59	6.86	7.12	7.52
120°	4.37	5.33	6.11	6.53	6.80	7.08	7.64
135°	3.93	4.88	5.70	6.29	6.62	6.89	7.47
150°	3.39	4.33	5.11	5.83	6.32	6.62	7.14
Run VMG	2.93	3.76	4.45	5.09	5.72	6.22	6.79
Gybe Angles	148.0°	152.0°	156.0°	170.0°	174.0°	180.0°	180.0°