



2020 ORC Club Certificate

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



Certificate
 Number **00439**
 Issued On **06/06/2020**
 ORC Ref **03420000K2H**
 VPP Ver. **2020 1.02**
 Valid until **28/02/2021**

Crew Weight

Default	409kg
Maximum	350kg
Minimum*	263kg

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

Special Scoring

ToD	ToT
Non Spin GPH 871.2	0.6887
Non Spin OSN 841.7	0.7129

Sails Limitations

Headsails **1** Spinnakers **4**

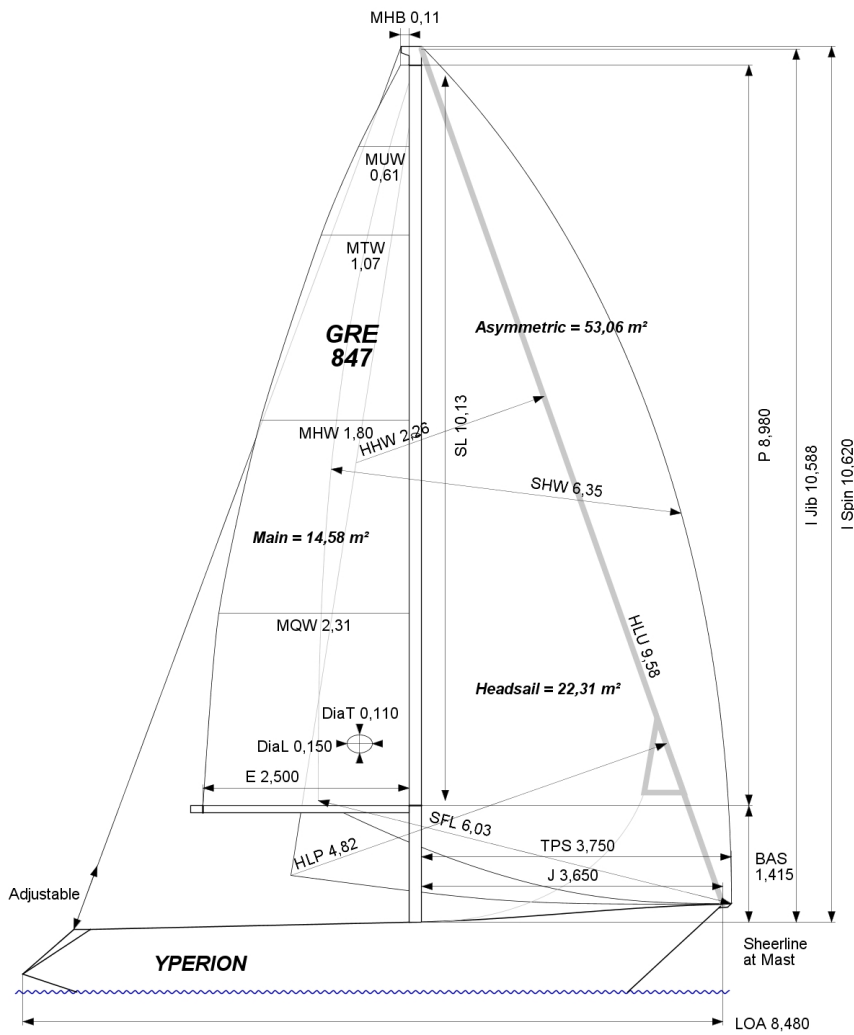
Asymmetric on centerline

Spinnaker configuration
 Symmetric: **No**
 Asymmetric: **Yes 53.06**
 Flying H/S: **No**
 Spin. Pole: **No**

Class Division Length
CDL = 5.497

Stability (Estimated)
 Limit Positive Stab.: **104.0°**
 Stability Index: **108.3**

Owner



BOAT Name YPERION Sail Nr GRE-847		GPH 829.2	HULL Data File GR847 LOA 8.480m Offset File CORINTH#.OFF MB 2.730m Displacement 3,913kg Draft 1.120m					
CLASS Class CORINTHIAN 28 Designer Builder DROMOR Series 01/1972 Age Date 01/1982 Age Allowance 0.487%			IMS Division Cruiser/Racer Dynamic All. 0.745% Plan Review Construction Solid Fiber Rigging No Aramid Core No Crew Arm Ex Carbon Rudder No Light Stanchions No			IMSL 7.046m VCGD 0.124m Sink 12.34kg/mm RL 3.947m VCGM 0.109m WS 16.82m² LSM0 6.941m Displacement/Length ratio 11.7016		
COMMENTS			Water Ballast 0 Trim Tab No BLR Index 0.0000					
PROPELLER Installation Shaft exposed PRD 0.320 Type Solid 3 blades PIPA 0.0128			CENTERBOARD N/A					
SCORING OPTIONS								
	COASTAL / LONG DISTANCE				WINDWARD / LEEWARD			
Time on Distance	810.0				927.1			
Time on Time	0.7407				0.7281			
Triple Number	Low	Medium	High	Low	Medium	High		
Time on Distance	962.8	732.3	644.6	1261.7	940.6	800.7		
Time on Time	0.7011	0.9217	1.0472	0.5350	0.7176	0.8430		

BOAT	
Name YPERION	Sail Nr GRE-847
File GR847	Data in meters/kilograms

INCLINING TEST AND FREEBOARDS			
Inclining Test Club Estimated VCG			
Flotation date 30/05/2001		SG	
FFM 1.030	FF 1.038	SFFP 0.714	
FAM 0.665	FA 0.672	SAFP 7.659	
LCF from stem on CL / on sheer		4.851 / 5.023	
Maximum beam station from stem		5.084	
RM Measured		55.5kg-m	
RM Default		53.8kg-m	
Limit of positive stability / Stab.Index		104.0° / 108.3	
Freeboard at mast at 3.650		0.846	

RIG			
Forestay Tension Aft	Spreaders 1		
Inner Stay None Fitted	Runners/Checkstays 0		
Carbon Mast No	Jib Furler Yes		
Fiber Rigging No	Main Furler No		
Non-Circular Rigging No			
Articulated Bowsprit No			
P 8.980	E 2.500	MDT1 0.110	MW
IG 10.588	J 3.650	MDL1 0.150	GO
ISP 10.620	SFJ 0.000	MDT2 0.110	BD
BAS 1.415	SPL 0.000	MDL2 0.150	MWT
FSD -3.000	TPS 3.750	TL 0.000	MCG



2020
Measurements
Datasheet

MIZZEN RIG AND SAILS	
N/A	

PROPELLER			
Installation Shaft exposed	PRD 0.320		
Type Solid 3 blades	PBW		
Twin Screw No	PIPA 0.0128		
PSA	PHL	ST3	ESL
PSD	ST1	ST4	
PHD	ST2	ST5	

Certificate

Number **00439**
 ORC Ref **03420000K2H**
 Issued On **06/06/2020**
 VPP Ver. **2020 1.02**
 Valid until **28/02/2021**



COMMENTS	

MOVABLE BALLAST	
N/A	

CENTERBOARD	
N/A	

SAILS INVENTORY																
MAINSAIL (1)																
Id	MHB	MUW	MTW	MHW	MQW	Area	Measurer	Meas.Date	Manufacture	Material	Comment					
2	0.11	0.61	1.07	1.80	2.31	14.59		06/05/2018		Pentex						
HEADSAILS (1)																
Id	HHB	HUW	HTW	HHW	HQW	HLP	HLU	OvrI/p	Area	Btn	Flying	Measurer	Meas.Date	Manufacture	Material	Comment
2	0.05	0.56	1.11	2.26	3.48	4.82	9.58	132%	22.31		No		06/05/2018		Dacron	
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	10.43	9.83	10.13	6.35	6.03	53.07	asym		22/03/2015		Unknown					

2020

ORC Club Certificate Appendix

BOAT	
Name	YPERION
Sail Nr	GRE-847
Certificate Number	00439
Issued On	06/06/2020

TIME ALLOWANCES							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	1551.1	1285.2	1149.9	1062.9	996.1	966.7	967.0
52°	969.7	812.8	730.0	671.9	633.8	616.7	612.9
60°	892.4	758.8	679.2	629.8	602.8	588.7	582.0
75°	847.8	719.9	640.7	602.2	581.7	567.7	550.8
90°	820.3	680.1	604.4	574.2	561.1	554.1	534.6
110°	801.5	661.8	594.2	564.5	542.4	522.8	500.0
120°	830.4	680.1	601.8	568.9	545.5	523.4	487.6
135°	912.4	743.1	636.1	586.8	560.8	539.2	500.2
150°	1061.5	852.7	727.4	652.5	610.6	582.7	546.5
Run VMG	1225.7	984.6	839.9	753.4	697.3	634.0	573.5
Selected Courses							
Windward / Leeward	1388.4	1134.9	994.9	908.2	846.7	800.4	770.2
Circular Random	1151.6	926.6	804.2	731.9	687.0	658.6	628.0
Coastal / Long Distance	1372.1	1056.5	879.6	767.0	698.9	649.7	583.0
Non Spinnaker	1232.7	982.5	843.8	759.9	707.0	673.4	638.2

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	48.0°	46.9°	46.5°	46.9°	47.3°	47.3°	47.6°
Beat VMG	2.32	2.80	3.13	3.39	3.61	3.72	3.72
52°	3.71	4.43	4.93	5.36	5.68	5.84	5.87
60°	4.03	4.74	5.30	5.72	5.97	6.12	6.19
75°	4.25	5.00	5.62	5.98	6.19	6.34	6.54
90°	4.39	5.29	5.96	6.27	6.42	6.50	6.73
110°	4.49	5.44	6.06	6.38	6.64	6.89	7.20
120°	4.33	5.29	5.98	6.33	6.60	6.88	7.38
135°	3.95	4.84	5.66	6.14	6.42	6.68	7.20
150°	3.39	4.22	4.95	5.52	5.90	6.18	6.59
Run VMG	2.94	3.66	4.29	4.78	5.16	5.68	6.28
Gybe Angles	145.5°	146.0°	144.5°	146.0°	174.0°	176.0°	178.0°