



ORC
Offshore Racing Congress
World leader in rating technology

2020
ORC Club
Certificate

Rating Office

Hellenic Sailing Federation
Offshore Committee
Επιτροπή
Ανοικτής Θαλάσσης
Ελληνικής
Ιστιοπλοϊκής Ομοσπονδίας



Certificate

Number **01336**
Issued On **17/06/2020**
ORC Ref **03420000KT3**
VPP Ver. **2020 1.02**
Valid until **28/02/2021**

Crew Weight

Default 305kg
Maximum **300kg**
Minimum* **215kg**
**when applied by the NoR and SI*
Non Manual Pwr **No**

Special Scoring

ToD ToT
Non Spin GPH **866.0 0.6928**
Non Spin OSN **837.9 0.7161**

Sails Limitations

Headsails **5** Spinnakers **4**
Woven Polyester

Spinnaker configuration
Symmetric: **Yes 27.73**
Asymmetric: **No**
Flying H/S: **No**
Spin. Pole: **Yes**

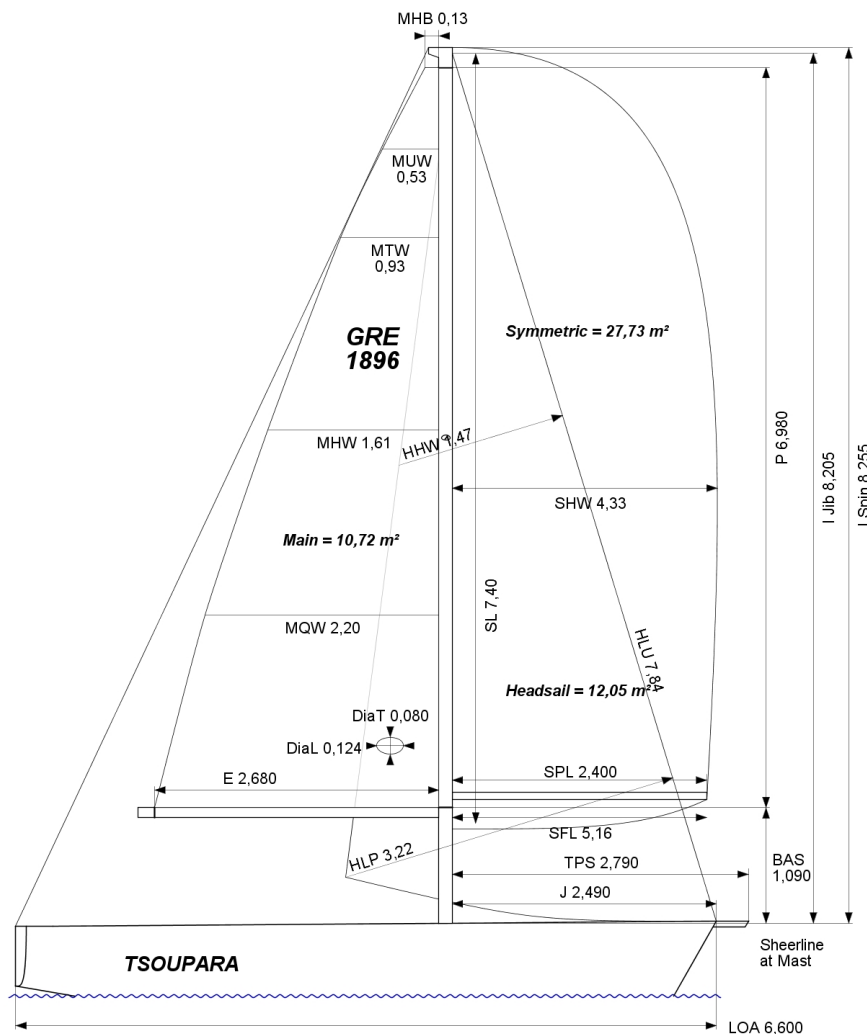
Class Division Length

CDL = 4.966

Stability (Estimated)

Limit Positive Stab.: **105.8°**
Stability Index: **97.7**

Owner



BOAT		GPH		HULL			
Name TSOUPARA Sail Nr GRE-1896		829.0		Data File GR1896	LOA 6.600m		
				Offset File I0058.off	MB 2.414m		
				Displacement 1,250kg	Draft 1.004m		
CLASS							
Class GHIBLI				IMS Division Cruiser/Racer	Dynamic All. 0.352%		
Designer				Plan Review	Construction Solid		
Builder GOUTERON				Fiber Rigging No	Aramid Core No		
Series 01/1969				Crew Arm Ex	Carbon Rudder No		
Age Date 01/1974					Light Stanchions No		
Age Allowance 0.487%				IMSL 5.675m	VCGD 0.062m	Sink 7.29kg/mm	
				RL 4.257m	VCGM 0.037m	WS 9.78m²	
COMMENTS							
Builder's displacement.							
PROPELLER				CENTERBOARD			
Type No Propeller				N/A			
SCORING OPTIONS							
	COASTAL / LONG DISTANCE			WINDWARD / LEEWARD			
Time on Distance	806.8			901.6			
Time on Time	0.7437			0.7487			
Triple Number	Low	Medium	High	Low	Medium	High	
Time on Distance	949.5	735.1	653.4	1228.4	909.0	789.0	
Time on Time	0.7109	0.9182	1.0330	0.5495	0.7426	0.8555	

BOAT Name TSOUPARA Sail Nr GRE-1896 File GR1896 Data in meters/kilograms		INCLINING TEST AND FREEBOARDS Inclining Test Club Estimated VCG Flotation date 26/04/2019 SG 1.0235 FFM 0.701 FF 0.701 SFFP 0.435 FAM 0.661 FA 0.661 SAFF 6.252 LCF from stem on CL / on sheer 3.358 / 3.535 Maximum beam station from stem 3.768 RM Measured 21.0kg-m RM Default 20.4kg-m Limit of positive stability / Stab.Index 105.8° / 97.7 Freeboard at mast at 2.490 0.686	
RIG Forestay Tension Fixed Spreaders 1 Inner Stay None Fitted Runners/Checkstays 0 Carbon Mast No Jib Furler No Fiber Rigging No Main Furler No Non-Circular Rigging No Articulated Bowsprit No P 6.980 E 2.680 MDT1 0.080 MW IG 8.205 J 2.490 MDL1 0.124 GO ISP 8.255 SFJ 0.000 MDT2 BD BAS 1.090 SPL 2.400 MDL2 MWT FSD -2.000 TPS 2.790 TL -3.000 MCG			
MIZZEN RIG AND SAILS N/A		PROPELLER Type No Propeller	
COMMENTS Builder's displacement.		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	0.13	0.53	0.93	1.61	2.20	10.73		26/04/2019		Dacron						
HEADSAILS (2)																
Id	HHB	HUW	HTW	HHW	HQW	HLP	HLU	OvrIp	Area	Btn	Flying	Measurer	Meas.Date	Manufacture	Material	Comment
GN	0.05	0.36	0.71	1.47	2.31	3.22	7.84	129%	12.05		No		14/03/2020	QUANTUM	Dacron	
J3			0.53	1.08		2.23	5.49	90%	6.11		No		26/04/2019		Dacron	
SYMMETRIC SPINNAKERS (1)																
Id	SLU	SLE	SL	SHW	SFL	Area	Measurer	Meas.Date	Manufacture	Material	Comment					
BLUE	7.39	7.40	7.40	4.33	5.16	27.71		14/03/2020		Unknown						
ASYMMETRIC SPINNAKERS (0)																
Id	SLU	SLE	SL	SHW	SFL	Area	Kind	Measurer	Meas.Date	Manufacture	Material	Comment				



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2020
Measurements
Datasheet

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ORC Club Certificate Appendix

BOAT			
Name	TSOUPARA	Certificate Number	01336
Sail Nr	GRE-1896	Issued On	17/06/2020

TIME ALLOWANCES								
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt	
Beat VMG	1486.1	1246.7	1114.6	1023.5	964.9	947.6	973.7	
52°	945.9	799.0	715.2	678.2	657.1	646.7	648.6	
60°	882.4	747.5	683.9	656.8	638.5	625.5	622.0	
75°	840.7	716.4	664.6	638.6	618.8	600.4	577.1	
90°	830.6	692.1	641.7	613.0	592.3	581.5	552.5	
110°	813.0	683.0	634.8	601.2	569.5	543.5	513.6	
120°	835.9	695.5	641.5	607.8	575.1	546.0	500.4	
135°	913.2	747.0	665.2	627.9	596.0	565.1	512.5	
150°	1050.2	840.6	717.0	657.2	624.5	595.0	540.5	
Run VMG	1212.6	968.1	821.3	720.4	662.0	629.4	573.0	
Selected Courses								
Windward / Leeward	1349.4	1107.4	968.0	871.9	813.4	788.5	773.4	
Circular Random	1140.8	922.3	804.6	735.7	693.4	666.7	637.7	
Coastal / Long Distance	1335.7	1034.7	868.4	764.7	704.1	663.2	599.8	
Non Spinnaker	1206.4	968.9	839.6	763.1	715.9	686.1	654.8	

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	45.8°	43.5°	46.1°	43.9°	42.4°	42.4°	44.3°	
Beat VMG	2.42	2.89	3.23	3.52	3.73	3.80	3.70	
52°	3.81	4.51	5.03	5.31	5.48	5.57	5.55	
60°	4.08	4.82	5.26	5.48	5.64	5.76	5.79	
75°	4.28	5.03	5.42	5.64	5.82	6.00	6.24	
90°	4.33	5.20	5.61	5.87	6.08	6.19	6.52	
110°	4.43	5.27	5.67	5.99	6.32	6.62	7.01	
120°	4.31	5.18	5.61	5.92	6.26	6.59	7.19	
135°	3.94	4.82	5.41	5.73	6.04	6.37	7.02	
150°	3.43	4.28	5.02	5.48	5.76	6.05	6.66	
Run VMG	2.97	3.72	4.38	5.00	5.44	5.72	6.28	
Gybe Angles	149.0°	153.0°	156.0°	180.0°	180.0°	180.0°	180.0°	