



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 **00020**
Issued On **29/04/2020**
ORC Ref **03420000HMD**
VPP Ver. **2020 1.01**
Valid until **28/02/2021**

Crew Weight

Default 435kg
Maximum **400kg**
Minimum* **300kg**
**when applied by the NoR and SI*
Non Manual Pwr **No**

Special Scoring

	ToD	ToT
Non Spin GPH	757.1	0.7925
Non Spin OSN	732.9	0.8186

Sails Limitations

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

Spinnaker configuration
Symmetric: **Yes** **51.91**
Asymmetric: **No**
Flying H/S: **No**
Spin. Pole: **Yes**

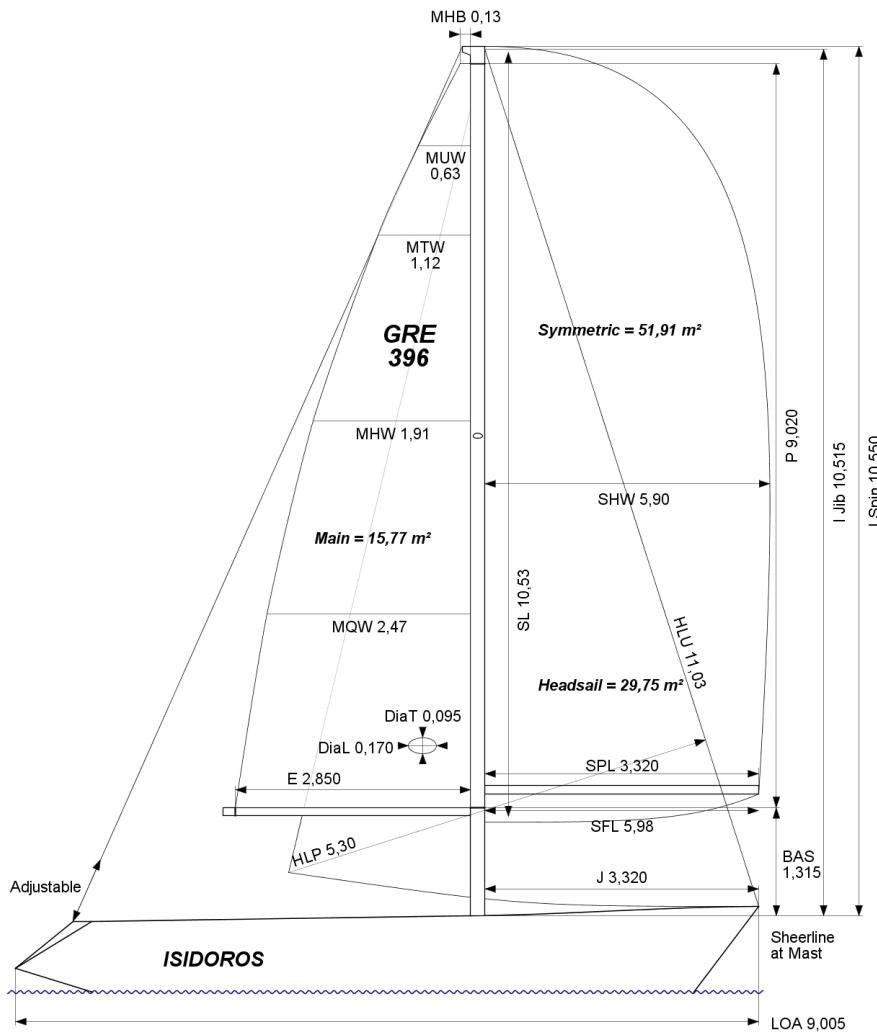
Class Division Length

CDL = 6.791

Stability (Estimated)

Limit Positive Stab.: **113.8°**
Stability Index: **112.2**

Owner



BOAT		GPH	HULL			
Name	ISIDOROS	731.3	Data File	GR396		
Sail Nr	GRE-396		LOA	9.005m		
CLASS			Offset File	H010.BOF		
Class	FIRST 28		Displacement	3,299kg		
Designer	FINOT		Dynamic All.	0.476%		
Builder	BENETEAU		Plan Review	Solid		
Series	01/1981		Fiber Rigging	No		
Age Date	01/1981		Crew Arm Ex	No		
Age Allowance	0.487%		Light Stanchions	No		
COMMENTS			IMSL	7.351m		
ex "OURANIO TOXO".			VCGD	0.013m		
PROPELLER			Sink	11.96kg/mm		
Installation	Shaft exposed	PRD	RL	6.231m		
Type	Folding 2 blades	PIPA	WS	16.77m²		
			LSM0	7.247m		
			Displacement/Length ratio	8.6678		
CENTERBOARD			Water Ballast	0		
N/A			Trim Tab	No		
SCORING OPTIONS			BLR Index	0.0000		
			COASTAL / LONG DISTANCE			
Time on Distance			709.6			
Time on Time			0.8455			
			WINDWARD / LEEWARD			
Triple Number	Low	Medium	High	Low	Medium	High
Time on Distance	842.0	647.0	575.5	1080.9	796.2	686.2
Time on Time	0.8017	1.0432	1.1728	0.6245	0.8478	0.9837

BOAT	
Name ISIDOROS	Sail Nr GRE-396
File GR396	Data in meters/kilograms

RIG	
Forestay Tension Aft	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 9.020	E 2.850 MDT1 0.095 MW
IG 10.515	J 3.320 MDL1 0.170 GO
ISP 10.550	SFJ 0.000 MDT2 0.095 BD
BAS 1.315	SPL 3.320 MDL2 0.170 MWT
FSD -2.000	TPS TL 0.000 MCG

INCLINING TEST AND FREEBOARDS	
Inclining Test Club Estimated VCG	
Flotation date 04/12/1993	SG 1.0220
FFM 1.022	FF 1.032 SFFP 0.286
FAM 0.853	FA 0.859 SAFF 8.078
LCF from stem on CL / on sheer	4.754 / 4.971
Maximum beam station from stem	5.238
RM Measured	55.7kg-m
RM Default	54.1kg-m
Limit of positive stability / Stab.Index	113.8° / 112.2
Freeboard at mast at 3.320	0.923




2020
Measurements
Datasheet

MIZZEN RIG AND SAILS	
N/A	

PROPELLER	
Installation Shaft exposed	PRD 0.382
Type Folding 2 blades	PBW
Twin Screw No	PIPA 0.0014
PSA	PHL ST3 ESL
PSD	ST1 ST4
PHD	ST2 ST5

Certificate

Number **00020**
 ORC Ref **03420000HMD**
 Issued On **29/04/2020**
 VPP Ver. **2020 1.01**
 Valid until **28/02/2021**



COMMENTS	
ex "OURANIO TOXO".	

MOVABLE BALLAST	
N/A	

CENTERBOARD	
N/A	

SAILS INVENTORY																
MAINSAIL (1)																
Id	MHB	MUW	MTW	MHW	MQW	Area	Measurer	Meas.Date	Manufacture	Material	Comment					
1	0.13	0.63	1.12	1.91	2.47	15.77		07/03/2020	BANKS	Polyester						
HEADSAILS (1)																
Id	HHB	HUW	HTW	HHW	HQW	HLP	HLU	Ovrlp	Area	Btn	Flying	Measurer	Meas.Date	Manufacture	Material	Comment
ORC						5.30	0.00	160%	29.75		No					* Copied from
SYMMETRIC SPINNAKERS (1)																
Id	SLU	SLE	SL	SHW	SFL	Area	Measurer	Meas.Date	Manufacture	Material	Comment					
ORC	10.53	10.53	10.53	5.90	0.00	51.91					* Copied from legacy *					
ASYMMETRIC SPINNAKERS (0)																
Id	SLU	SLE	SL	SHW	SFL	Area	Kind	Measurer	Meas.Date	Manufacture	Material	Comment				

2020

ORC Club Certificate Appendix

BOAT	
Name	ISIDOROS
Sail Nr	GRE-396
Certificate Number	00020
Issued On	29/04/2020

TIME ALLOWANCES							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	1223.4	1032.4	916.7	846.0	817.1	804.5	806.8
52°	804.7	684.9	617.6	587.0	572.5	566.4	564.3
60°	763.8	650.4	597.2	572.5	558.1	550.2	545.8
75°	734.5	626.2	582.0	559.7	543.4	530.2	515.9
90°	743.2	628.7	579.2	551.3	535.0	522.1	496.5
110°	762.4	627.2	570.2	541.6	517.6	496.8	473.2
120°	784.0	642.8	576.5	545.8	520.8	497.5	461.6
135°	857.1	701.9	604.7	563.4	537.3	513.1	470.5
150°	996.6	794.9	674.4	597.9	562.4	538.3	494.7
Run VMG	1150.8	916.7	776.9	679.0	611.1	571.4	524.7
Selected Courses							
Windward / Leeward	1187.1	974.6	846.8	762.5	714.1	687.9	665.8
Circular Random	1008.5	814.3	709.5	648.2	610.8	587.0	559.5
Coastal / Long Distance	1183.5	915.5	762.7	668.2	620.7	586.6	533.8
Non Spinnaker	1053.9	846.7	733.9	667.5	626.5	600.3	569.9

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	42.4°	41.3°	41.6°	40.5°	39.9°	39.8°	40.1°
Beat VMG	2.94	3.49	3.93	4.26	4.41	4.47	4.46
52°	4.47	5.26	5.83	6.13	6.29	6.36	6.38
60°	4.71	5.54	6.03	6.29	6.45	6.54	6.60
75°	4.90	5.75	6.19	6.43	6.63	6.79	6.98
90°	4.84	5.73	6.22	6.53	6.73	6.90	7.25
110°	4.72	5.74	6.31	6.65	6.96	7.25	7.61
120°	4.59	5.60	6.24	6.60	6.91	7.24	7.80
135°	4.20	5.13	5.95	6.39	6.70	7.02	7.65
150°	3.61	4.53	5.34	6.02	6.40	6.69	7.28
Run VMG	3.13	3.93	4.63	5.30	5.89	6.30	6.86
Gybe Angles	148.0°	152.0°	152.0°	159.0°	180.0°	180.0°	180.0°