



World Leader in Rating Technology

2017 ORC Club Certificate

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

Certificate
 Number **001191**
 Issued On **15/3/2017**
 ORC Ref **GRE01006808**
 VPP Ver. **2017 1.00**
 Valid until **28/2/2018**

Crew Weight

Declared	494kg
Default*	494kg
Non Manual Pwr	No

Special Scoring

	ToD	ToT
Non Spin GPH	788,2	0,7612
Non Spin OSN	761,4	0,7880

Sails Limitations

Headsails **1** Spinnakers **0**

Dacron Sails

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

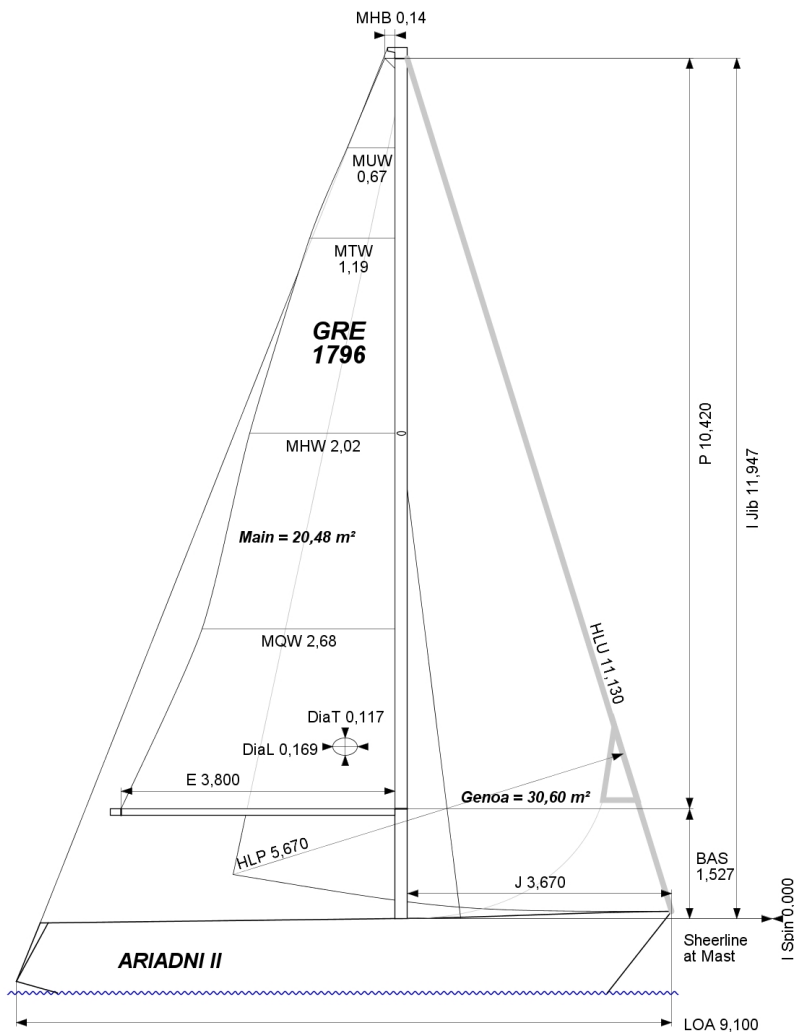
Class Division Length

CDL = 6,629

Stability (Estimated)

Limit Positive Stab.: **111,4°**
 Stability Index: **111,8**

Owner



BOAT		GPH		HULL		
Name ARIADNI II Sail Nr GRE-1796		788,2		Data File GR1796	LOA 9,100m	
				Offset File GR0066.off	MB 3,240m	
				Displacement 4,500kg	Draft 1,668m	
CLASS						
Class DISCOVERY 3000						
Designer ED DUBOIS						
Builder DROMOR						
Series 01/1987						
Age Date 01/1987						
Age Allowance 0,487%						
COMMENTS						
Builder's declared displacement.						
PROPELLER		CENTERBOARD				
Installation Shaft exposed	PRD 0,350	N/A				
Type Solid 3 blades	PIPA 0,0153					
SCORING OPTIONS						
	COASTAL / LONG DISTANCE			WINDWARD / LEEWARD		
Time On Distance	761,4			850,3		
Time On Time	0,7880			0,7938		
Triple Number	Low	Medium	High	Low	Medium	High
Time on Distance	940,2	690,0	592,1	1227,7	862,7	710,0
Time on Time	0,7179	0,9783	1,1400	0,5498	0,7824	0,9507

BOAT	
Name ARIADNI II	Sail Nr GRE-1796
File GR1796	Data in meters/kilograms

INCLINING TEST AND FREEBOARDS			
Inclining Test Club Estimated VCG			
Flotation date 20/02/2017		SG	
FFM	FF 1,123	SFFP	0,580
FAM	FA 0,973	SAFP	8,658
LCF from stem on CL / on sheer		5,048 / 5,301	
Maximum beam station from stem		5,400	
RM Measured		78,2kg·m	
RM Default		76,0kg·m	
Limit of positive stability / Stab.Index		111,4° / 111,8	
Freeboard at mast at 3,670		1,029	

RIG			
Forestay Tension Fixed	Spreaders 1		
Inner Stay Fixed	Runners 0		
Carbon Mast No	Jumper Struts None		
Taper Hollows No	Jib Furler Yes		
Fiber Rigging No	Main Furler No		
Lenticular Rigging No	Without Backstay No		
Articulated Bowsprit No			
P 10,420	E 3,800	MDT1 0,117	MW
IG 11,947	J 3,670	MDL1 0,169	GO
ISP	SFJ 0,000	MDT2	BD 0,094
BAS 1,527	SPL	MDL2	MWT
FSP -3,000	TPS	TL -3,000	MCG



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2017 Measurements Datasheet

MIZZEN RIG AND SAILS	
N/A	

PROPELLER			
Installation	Shaft exposed	PRD	0,350
Type	Solid 3 blades	PBW	
Twin Screw	No	PIPA	0,0153
PSA	PHL	ST3	ESL
PSD	ST1	ST4	
PHD	ST2	ST5	

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COMMENTS	
Builder's declared displacement.	

MOVEABLE BALLAST	
N/A	



CENTERBOARD	
N/A	

SAILS INVENTORY																
MAINSAIL (1)																
Id	MHB	MUW	MTW	MHW	MQW	Area	Measurer	Meas.Date	Manufacture	Material	Comment					
1	0,140	0,67	1,19	2,02	2,68	20,48	KALATZIS	20/02/2017	ELVSTROM	Dacron						
HEADSAILS (1)																
Id	HHB	HUW	HTW	HHW	HQW	HLP	HLU	Ovrlp	Area	Btn	Fly	Measurer	Meas.Date	Manufacture	Material	Comment
1	0,05	0,66	1,27	2,67	4,16	5,67	11,13	154%	30,61			KALATZIS	20/02/2017	KAFETZIDA	Dacron	
SYMMETRIC SPINNAKERS (0)																
Id	SLU	SLE	SL	SHW	SFL	Area	Measurer	Meas.Date	Manufacture	Material	Comment					
ASYMMETRIC SPINNAKERS (0)																
Id	SLU	SLE	SL	SHW	SFL	Area	Kind	Measurer	Meas.Date	Manufacture	Material	Comment				



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2017

ORC Club Certificate Appendix

BOAT	
Name	ARIADNI II
Sail Nr	GRE-1796
Certificate Number	001191
Issued On	15/3/2017

TIME ALLOWANCES							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	1361,9	1120,1	991,6	905,4	846,2	820,6	809,8
52°	871,7	728,7	643,3	594,7	570,3	559,5	554,1
60°	812,3	683,3	606,8	571,9	552,9	541,4	534,3
75°	765,2	644,6	582,4	555,3	537,7	523,0	503,0
90°	766,7	646,3	581,6	553,2	534,9	516,7	490,1
110°	849,3	699,8	608,7	565,2	541,7	522,9	486,3
120°	906,8	737,9	635,7	577,8	549,8	530,2	493,9
135°	1032,3	815,8	698,2	617,0	572,2	547,9	512,1
150°	1210,7	929,8	777,8	681,1	611,0	570,9	530,1
Run VMG	1381,6	1047,7	860,7	745,2	662,7	603,7	546,6

Selected Courses							
Windward / Leeward	1371,7	1083,9	926,1	825,3	754,5	712,2	678,2
Circular Random	1118,7	889,7	763,0	686,6	638,4	607,2	571,7
Ocean for PCS	1384,8	1050,2	859,2	741,3	664,7	612,6	545,5
Non Spinnaker	1118,7	889,7	763,0	686,6	638,4	607,2	571,7

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	45,1°	43,5°	43,4°	44,1°	42,8°	41,8°	41,8°
Beat VMG	2,64	3,21	3,63	3,98	4,25	4,39	4,45
52°	4,13	4,94	5,60	6,05	6,31	6,43	6,50
60°	4,43	5,27	5,93	6,30	6,51	6,65	6,74
75°	4,70	5,58	6,18	6,48	6,70	6,88	7,16
90°	4,70	5,57	6,19	6,51	6,73	6,97	7,35
110°	4,24	5,14	5,91	6,37	6,65	6,88	7,40
120°	3,97	4,88	5,66	6,23	6,55	6,79	7,29
135°	3,49	4,41	5,16	5,83	6,29	6,57	7,03
150°	2,97	3,87	4,63	5,29	5,89	6,31	6,79
Run VMG	2,61	3,44	4,18	4,83	5,43	5,96	6,59
Gybe Angles	167,7°	168,5°	169,7°	170,6°	170,8°	172,6°	175,8°