



World Leader in Rating Technology

2018 ORC Club Certificate

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

Certificate
Number **001191**
Issued On **26/3/2018**
ORC Ref **GRE01009325**
VPP Ver. **2018 1.00**
Valid until **28/2/2019**

Crew Weight

Default	496kg
Maximum	496kg
Minimum*	372kg

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

Special Scoring

ToD	ToT
Non Spin GPH 787,0	0,7624
Non Spin OSN 758,1	0,7915

Sails Limitations

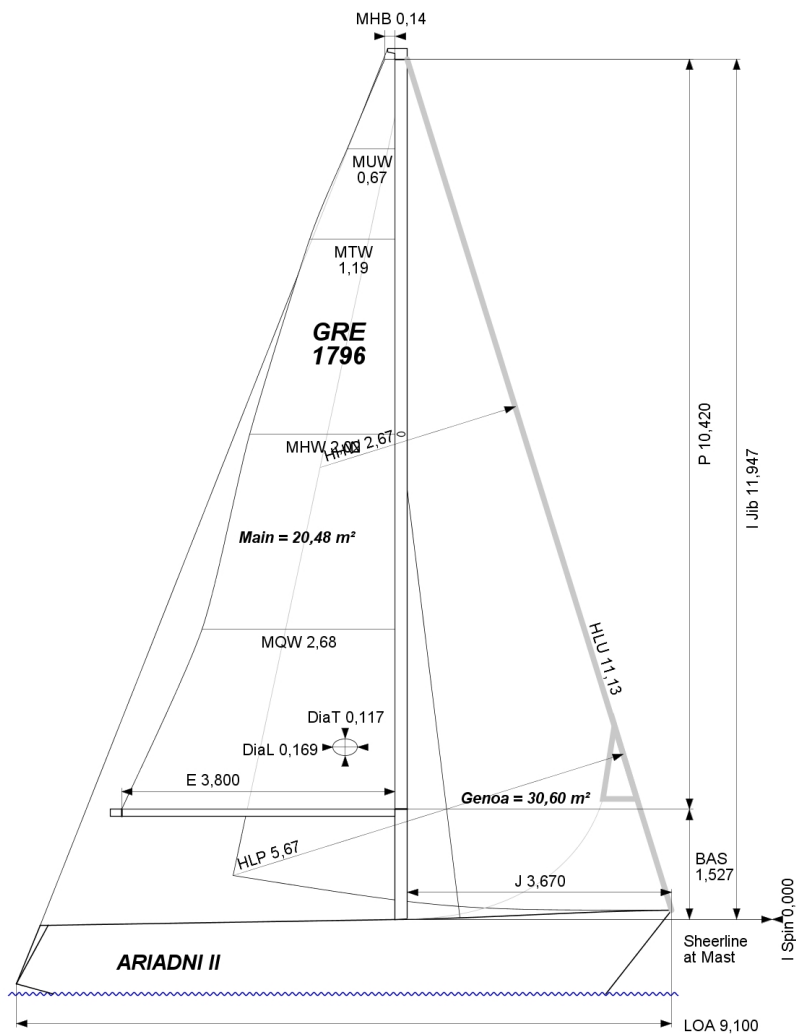
Headsails **1** Spinnakers **0**
Dacron Sails

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

Class Division Length
CDL = **6,745**

Stability (Estimated)
Limit Positive Stab.: **110,8°**
Stability Index: **111,2**

Owner



BOAT Name ARIADNI II Sail Nr GRE-1796		GPH 787,0	HULL Data File GR1796 LOA 9,100m Offset File GR0066.off MB 3,240m Displacement 4,500kg Draft 1,669m					
CLASS Class DISCOVERY 3000 Designer ED DUBOIS Builder DROMOR Series 01/1987 Age Date 01/1987 Age Allowance 0,487%			IMS Division Cruiser/Racer Dynamic All. 0,580% Fwd Accom. Yes Construction Solid Fiber Rigging No Aramid Core No Crew Arm Ex Carbon Rudder No Light Stanchions No			IMSL 7,843m VCGD -0,051m Sink 14,74kg/mm RL 5,646m VCGM 0,126m WS 20,27m² LSM0 7,946m Displacement/Length ratio 8,9695		
COMMENTS Builder's declared displacement.			Water Ballast 0 Trim Tab No BLR Index 0,0000			CENTERBOARD N/A		
PROPELLER Installation Shaft exposed PRD 0,350 Type Solid 3 blades PIPA 0,0153								
SCORING OPTIONS								
	COASTAL / LONG DISTANCE				WINDWARD / LEEWARD			
Time on Distance	758,1				843,8			
Time on Time	0,7915				0,7999			
Triple Number	Low	Medium	High	Low	Medium	High		
Time on Distance	940,1	688,3	593,3	1219,1	855,2	709,0		
Time on Time	0,7180	0,9807	1,1378	0,5537	0,7893	0,9521		

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 1,150	SFFP	0,580
FAM	FA 0,951	SAFP	8,658
LCF from stem on CL / on sheer		5,096 / 5,353	
Maximum beam station from stem		5,400	
RM Measured		78,6kg·m	
RM Default		76,4kg·m	
Limit of positive stability / Stab.Index		110,8° / 111,2	
Freeboard at mast at 3,670		1,037	

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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2018 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.	

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	0,140	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%	30,60			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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2018

ORC Club Certificate Appendix

BOAT	
Name	ARIADNI II
Certificate Number	001191
Sail Nr	GRE-1796
Issued On	26/3/2018

TIME ALLOWANCES							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	1346,1	1107,6	980,0	888,7	835,2	816,4	818,1
52°	868,6	728,2	642,7	593,6	571,8	562,5	559,7
60°	816,7	688,6	610,5	574,0	556,1	546,1	541,0
75°	778,5	657,1	589,5	560,0	542,1	529,0	512,7
90°	785,6	661,6	589,5	557,9	537,2	519,4	495,3
110°	851,1	701,1	610,2	565,8	542,1	523,0	486,9
120°	908,8	738,9	637,0	578,4	550,1	530,4	493,7
135°	1034,2	816,8	698,9	617,8	572,6	548,1	512,0
150°	1211,3	930,5	778,1	681,4	611,5	571,1	530,0
Run VMG	1377,8	1044,8	858,6	743,6	661,3	602,7	546,3
Selected Courses							
Windward / Leeward	1361,9	1076,2	919,3	816,1	748,2	709,5	682,2
Circular Random	1117,6	888,5	761,7	685,5	638,0	608,1	575,8
Coastal / Long Distance	1363,5	1011,9	825,9	709,0	643,9	602,4	547,2
Non Spinnaker	1117,6	888,5	761,7	685,5	638,0	608,1	575,8

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	44,5°	42,9°	42,6°	42,9°	41,7°	41,0°	41,3°
Beat VMG	2,67	3,25	3,67	4,05	4,31	4,41	4,40
52°	4,14	4,94	5,60	6,06	6,30	6,40	6,43
60°	4,41	5,23	5,90	6,27	6,47	6,59	6,65
75°	4,62	5,48	6,11	6,43	6,64	6,81	7,02
90°	4,58	5,44	6,11	6,45	6,70	6,93	7,27
110°	4,23	5,13	5,90	6,36	6,64	6,88	7,39
120°	3,96	4,87	5,65	6,22	6,54	6,79	7,29
135°	3,48	4,41	5,15	5,83	6,29	6,57	7,03
150°	2,97	3,87	4,63	5,28	5,89	6,30	6,79
Run VMG	2,61	3,45	4,19	4,84	5,44	5,97	6,59
Gybe Angles	167,4°	168,1°	169,4°	170,3°	170,5°	172,5°	175,7°