



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

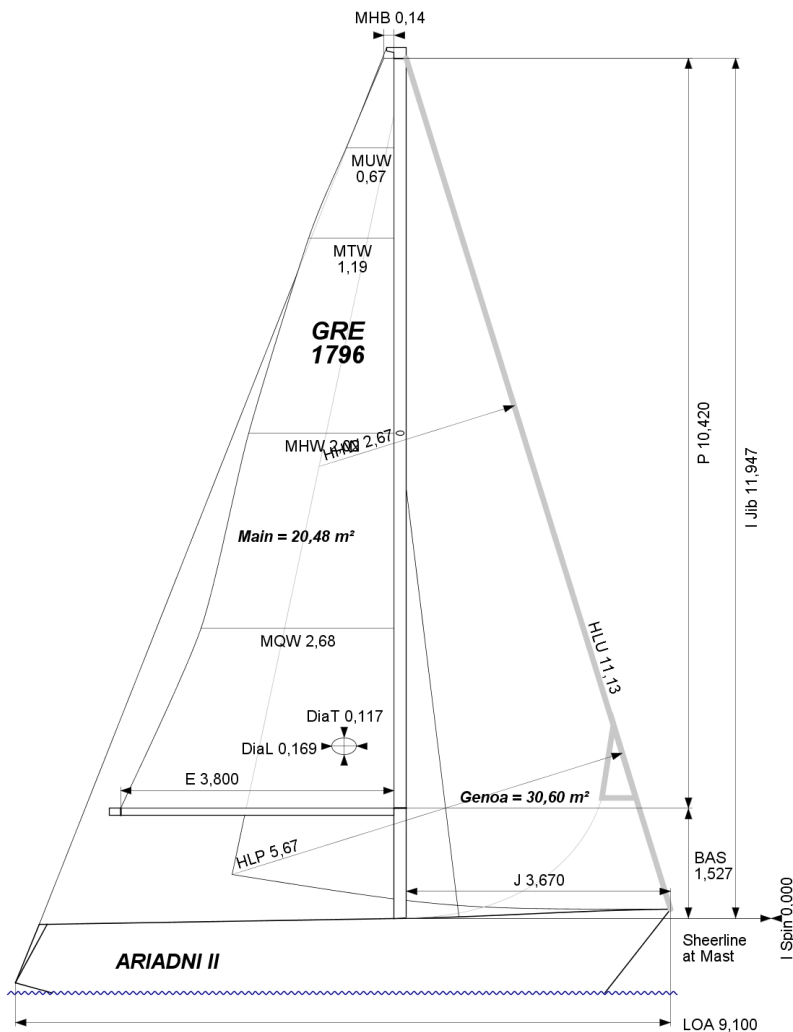
Headsails **1** Spinnakers **0**
Dacron Sails

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 |
| COMMENTS Builder's declared displacement. | | 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 |
| PROPELLER Installation Shaft exposed PRD 0,350 Type Solid 3 blades PIPA 0,0153 | | Water Ballast 0 Trim Tab No BLR Index 0,0000 |
| SCORING OPTIONS | | CENTERBOARD N/A |
| | 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 |



World Leader in Rating Technology

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 | | 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 | | | | 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 | | | | |



World Leader in Rating Technology

2018

ORC Club Certificate Appendix

| BOAT | |
|--------------------|-------------------|
| Name | ARIADNI II |
| Sail Nr | GRE-1796 |
| Certificate Number | 001191 |
| 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° |