



2020
ORC Club
Certificate

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



Certificate
Number **01980**
Issued On **22/07/2020**
ORC Ref **0342000MVN**
VPP Ver. **2020 1.02**
Valid until **28/02/2021**

Crew Weight

| | |
|----------|--------------|
| Default | 594kg |
| Maximum | 594kg |
| Minimum* | 446kg |

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

Special Scoring

| | |
|---------------------------|---------------|
| ToD | ToT |
| Non Spin GPH 749.0 | 0.8011 |
| Non Spin OSN 718.1 | 0.8355 |

Sails Limitations

Headsails **5** Spinnakers **0**

Spinnaker configuration

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

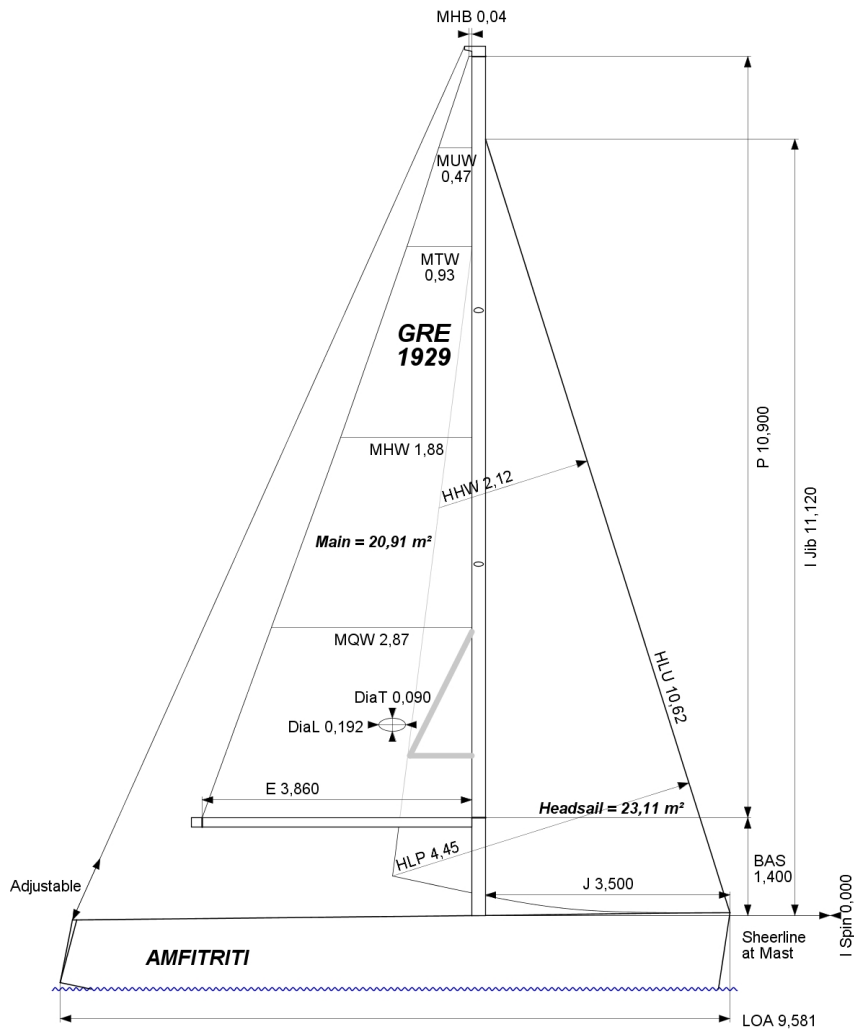
Class Division Length

CDL = **7.952**

Stability (Estimated)

Limit Positive Stab.: **120.1°**
Stability Index: **120.7**

Owner



| | | | | | | |
|--|--------------------------------|---|--|---|---------------|---------------|
| BOAT Name AMFITRITI Sail Nr GRE-1929 | | GPH 749.0 | HULL Data File GR1929 LOA 9.581m Offset File BAV31CL.OFF MB 2.988m Displacement 3,600kg Draft 1.820m | | | |
| CLASS Class BAVARIA 31 Designer J & J Builder BAVARIA YACHTS Series 01/1999 Age Date 08/2001 Age Allowance 0.487% | | IMS Division Cruiser/Racer Dynamic All. 0.376% Plan Review Construction Solid Fiber Rigging No Aramid Core No Crew Arm Ex Carbon Rudder No Light Stanchions No | | IMSL 9.137m VCGD 0.104m Sink 14.63kg/mm RL 6.766m VCGM 0.045m WS 19.80m² LSM0 9.014m Displacement/Length ratio 4.9153 | | |
| COMMENTS Builder's displacement. | | Water Ballast 0 Trim Tab No BLR Index 0.0000 | | | | |
| PROPELLER Installation Strut PRD 0.400 Type Solid 2 blades PIPA 0.0162 | | CENTERBOARD N/A | | | | |
| SCORING OPTIONS | | | | | | |
| | COASTAL / LONG DISTANCE | | | WINDWARD / LEEWARD | | |
| Time on Distance | 718.1 | | | 798.2 | | |
| Time on Time | 0.8355 | | | 0.8456 | | |
| Triple Number | Low | Medium | High | Low | Medium | High |
| Time on Distance | 913.6 | 650.5 | 551.9 | 1186.3 | 809.2 | 659.1 |
| Time on Time | 0.7388 | 1.0377 | 1.2230 | 0.5690 | 0.8342 | 1.0241 |

| | |
|-----------------------|---------------------------------|
| BOAT | |
| Name AMFITRITI | Sail Nr GRE-1929 |
| File GR1929 | Data in meters/kilograms |

| | | | |
|--|-----------------|-----------------------|--|
| INCLINING TEST AND FREEBOARDS | | | |
| Inclining Test Club Estimated VCG | | | |
| Flotation date 01/01/2013 | | SG 1.0248 | |
| FFM 1.091 | FF 1.091 | SFFP 0.248 | |
| FAM 0.988 | FA 0.988 | SAFP 9.348 | |
| LCF from stem on CL / on sheer | | 5.332 / 5.526 | |
| Maximum beam station from stem | | 6.477 | |
| RM Measured | | 65.5kg-m | |
| RM Default | | 64.5kg-m | |
| Limit of positive stability / Stab.Index | | 120.1° / 120.7 | |
| Freeboard at mast at 3.500 | | 1.055 | |

| | | | |
|--------------------------------|-----------------------------|-------------------|----------------------|
| RIG | | | |
| Forestay Tension Aft | Runners/Checkstays 0 | | Spreaders 2 |
| Inner Stay None Fitted | Main Furler Yes | | Jib Furler No |
| Carbon Mast No | | | |
| Fiber Rigging No | | | |
| Non-Circular Rigging No | | | |
| Articulated Bowsprit No | | | |
| P 10.900 | E 3.860 | MDT1 0.090 | MW |
| IG 11.120 | J 3.500 | MDL1 0.192 | GO |
| ISP | SFJ | MDT2 | BD |
| BAS 1.400 | SPL | MDL2 | MWT |
| FSD -3.000 | TPS | TL -3.000 | MCG |



ORC
Offshore Racing Congress
World leader in rating technology

2020
Measurements
Datasheet

| | |
|-----------------------------|--|
| MIZZEN RIG AND SAILS | |
| N/A | |

| | | | |
|----------------------------|--------------------|-----|--|
| PROPELLER | | | |
| Installation Strut | PRD 0.400 | | |
| Type Solid 2 blades | PBW | | |
| Twin Screw No | PIPA 0.0162 | | |
| ST1 | ST3 | ST5 | |
| ST2 | ST4 | EDL | |

Certificate

Number **01980**
ORC Ref **03420000MVN**
Issued On **22/07/2020**
VPP Ver. **2020 1.02**
Valid until **28/02/2021**



| | |
|-------------------------|--|
| 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 | 0.04 | 0.47 | 0.93 | 1.88 | 2.87 | 20.78 | | 20/05/2020 | KAKITSIS | Dacron | Furling | | | | | |
| HEADSAILS (1) | | | | | | | | | | | | | | | | |
| Id | HHB | HUW | HTW | HHW | HQW | HLP | HLU | Ovrlp | Area | Btn | Flying | Measurer | Meas.Date | Manufacture | Material | Comment |
| H1 | 0.04 | 0.53 | 1.04 | 2.12 | 3.28 | 4.45 | 10.62 | 127% | 23.11 | No | | | 20/05/2020 | KAKITSIS | Dacron | Furling |
| 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 | | | | |

2020

ORC Club Certificate Appendix

| BOAT | | | |
|-------------|------------------|--------------------|-------------------|
| Name | AMFITRITI | Certificate Number | 01980 |
| Sail Nr | GRE-1929 | Issued On | 22/07/2020 |

| TIME ALLOWANCES | | | | | | | |
|-------------------------|---------------|---------------|--------------|--------------|--------------|--------------|--------------|
| Wind Velocity | 6 kt | 8 kt | 10 kt | 12 kt | 14 kt | 16 kt | 20 kt |
| Beat VMG | 1282.6 | 1033.0 | 901.6 | 811.8 | 760.4 | 745.2 | 746.8 |
| 52° | 828.3 | 678.2 | 598.9 | 553.5 | 531.4 | 522.6 | 520.4 |
| 60° | 779.3 | 642.8 | 571.2 | 536.9 | 518.1 | 507.8 | 503.4 |
| 75° | 748.1 | 620.1 | 552.4 | 523.9 | 506.3 | 492.1 | 475.7 |
| 90° | 763.7 | 630.4 | 555.2 | 521.8 | 503.2 | 484.5 | 455.7 |
| 110° | 842.7 | 677.5 | 582.9 | 533.5 | 508.3 | 488.5 | 447.9 |
| 120° | 910.1 | 722.0 | 615.6 | 550.3 | 518.2 | 497.5 | 456.7 |
| 135° | 1050.5 | 812.5 | 682.6 | 598.0 | 545.0 | 516.9 | 478.5 |
| 150° | 1226.5 | 930.6 | 765.6 | 662.3 | 589.2 | 542.6 | 497.5 |
| Run VMG | 1386.1 | 1043.5 | 847.7 | 724.7 | 639.6 | 576.9 | 513.1 |
| Selected Courses | | | | | | | |
| Windward / Leeward | 1334.3 | 1038.2 | 874.7 | 768.2 | 700.0 | 661.0 | 630.0 |
| Circular Random | 1081.6 | 851.8 | 723.6 | 646.3 | 597.8 | 566.9 | 532.5 |
| Coastal / Long Distance | 1339.5 | 976.9 | 785.6 | 666.8 | 602.7 | 561.8 | 506.9 |
| Non Spinnaker | 1081.6 | 851.8 | 723.6 | 646.3 | 597.8 | 566.9 | 532.5 |

| 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 | 44.6° | 43.1° | 42.0° | 40.9° | 39.8° | 39.0° | 39.4° |
| Beat VMG | 2.81 | 3.48 | 3.99 | 4.43 | 4.73 | 4.83 | 4.82 |
| 52° | 4.35 | 5.31 | 6.01 | 6.50 | 6.77 | 6.89 | 6.92 |
| 60° | 4.62 | 5.60 | 6.30 | 6.71 | 6.95 | 7.09 | 7.15 |
| 75° | 4.81 | 5.81 | 6.52 | 6.87 | 7.11 | 7.32 | 7.57 |
| 90° | 4.71 | 5.71 | 6.48 | 6.90 | 7.15 | 7.43 | 7.90 |
| 110° | 4.27 | 5.31 | 6.18 | 6.75 | 7.08 | 7.37 | 8.04 |
| 120° | 3.96 | 4.99 | 5.85 | 6.54 | 6.95 | 7.24 | 7.88 |
| 135° | 3.43 | 4.43 | 5.27 | 6.02 | 6.60 | 6.96 | 7.52 |
| 150° | 2.94 | 3.87 | 4.70 | 5.44 | 6.11 | 6.64 | 7.24 |
| Run VMG | 2.60 | 3.45 | 4.25 | 4.97 | 5.63 | 6.24 | 7.02 |
| Gybe Angles | 169.0° | 170.0° | 171.0° | 172.0° | 173.0° | 174.0° | 177.0° |