



**2020**  
ORC Club  
Certificate

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



**Certificate**  
Number **00855**  
Issued On **08/10/2020**  
ORC Ref **03420000RK9**  
VPP Ver. **2020 1.02**  
Valid until **28/02/2021**

**Crew Weight**

|          |              |
|----------|--------------|
| Default  | 476kg        |
| Maximum  | <b>400kg</b> |
| Minimum* | <b>300kg</b> |

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

**Special Scoring**

|                           |               |
|---------------------------|---------------|
| ToD                       | ToT           |
| Non Spin GPH <b>767.2</b> | <b>0.7821</b> |
| Non Spin OSN <b>739.9</b> | <b>0.8109</b> |

**Sails Limitations**

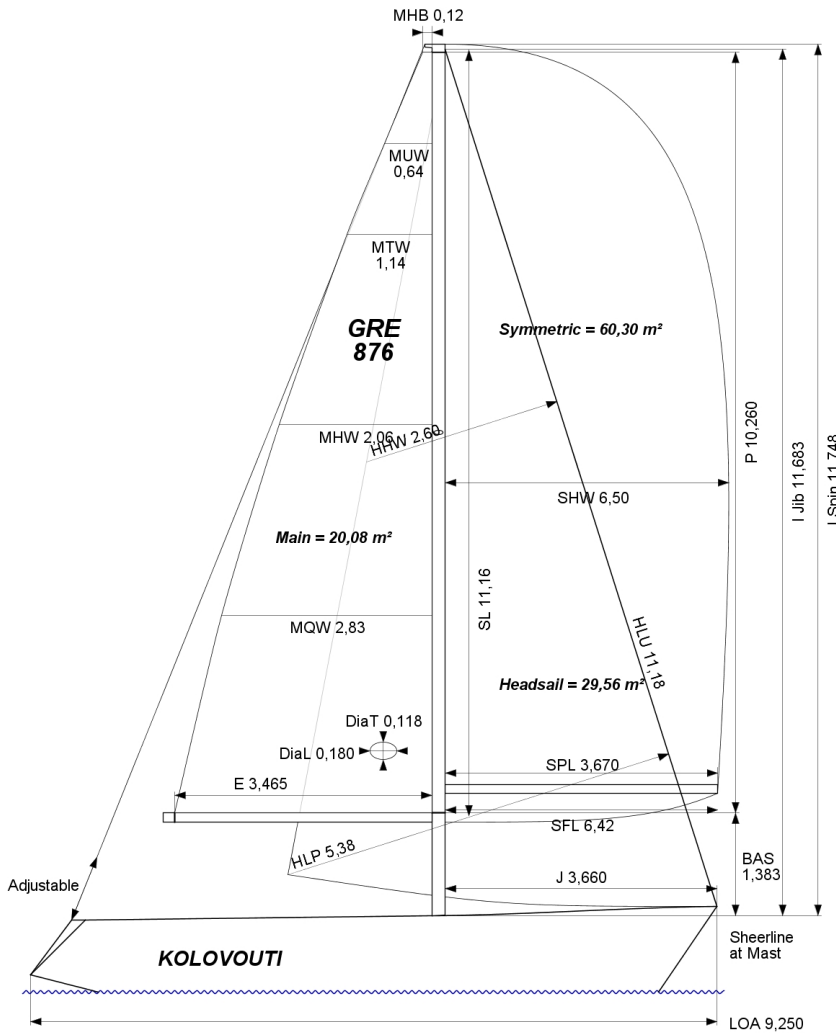
Headsails **5** Spinnakers **4**

**Spinnaker configuration**  
Symmetric: **Yes** **60.30**  
Asymmetric: **No**  
Flying H/S: **No**  
Spin. Pole: **Yes**

**Class Division Length**  
CDL = **6.896**

**Stability (Estimated)**  
Limit Positive Stab.: **115.5°**  
Stability Index: **113.9**

**Owner**



|   |                                |                            |   |                           |               |   |  |  |
|---|--------------------------------|----------------------------|---|---------------------------|---------------|---|--|--|
| <b>BOAT</b><br>Name <b>KOLOVOUTI</b><br>Sail Nr <b>GRE-876</b>  |                                | <b>GPH</b><br><b>733.8</b> | <b>HULL</b><br>Data File <b>GR876</b> LOA <b>9.250m</b><br>Offset File <b>F084.BOF</b> MB <b>3.222m</b><br>Displacement <b>3,914kg</b> Draft <b>1.694m</b>  |                           |               |   |  |  |
| <b>CLASS</b><br>Class <b>FEELING 920</b><br>Designer <b>PH.HARLE</b><br>Builder <b>KIRIE</b><br>Series <b>03/1983</b><br>Age Date <b>03/1983</b><br>Age Allowance <b>0.487%</b> |                                |                            | IMS Division <b>Cruiser/Racer</b> Dynamic All. <b>0.435%</b><br>Plan Review Construction <b>Solid</b><br>Fiber Rigging <b>No</b> Aramid Core <b>No</b><br>Crew Arm Ex Carbon Rudder <b>No</b><br>Light Stanchions <b>No</b> |                           |               | IMSL <b>7.774m</b> VCGD <b>0.104m</b> Sink <b>13.74kg/mm</b><br>RL <b>6.017m</b> VCGM <b>0.058m</b> WS <b>19.31m²</b><br>LSM0 <b>7.726m</b> Displacement/Length ratio <b>8.4870</b> |  |  |
| <b>COMMENTS</b>   |                                |                            | Water Ballast <b>0</b> Trim Tab <b>No</b><br>BLR Index <b>0.0000</b>  |                           |               |   |  |  |
| <b>PROPELLER</b><br>Installation <b>Shaft exposed</b> PRD <b>0.385</b><br>Type <b>Solid 2 blades</b> PIPA <b>0.0155</b>   |                                |                            | <b>CENTERBOARD</b><br><b>N/A</b>  |                           |               |   |  |  |
| <b>SCORING OPTIONS</b>  |                                |                            |   |                           |               |   |  |  |
|   | <b>COASTAL / LONG DISTANCE</b> |                            |   | <b>WINDWARD / LEEWARD</b> |               |   |  |  |
| Time on Distance  | <b>709.8</b>                   |                            |   | <b>792.9</b>              |               |   |  |  |
| Time on Time  | <b>0.8453</b>                  |                            |   | <b>0.8513</b>             |               |   |  |  |
| Triple Number   | Low                            | Medium                     | High  | Low                       | Medium        | High  |  |  |
| Time on Distance  | <b>858.9</b>                   | <b>645.3</b>               | <b>568.4</b>  | <b>1108.9</b>             | <b>801.0</b>  | <b>681.8</b>  |  |  |
| Time on Time  | <b>0.7859</b>                  | <b>1.0461</b>              | <b>1.1876</b>   | <b>0.6087</b>             | <b>0.8427</b> | <b>0.9900</b>   |  |  |

|                       |                                 |
|-----------------------|---------------------------------|
| <b>BOAT</b>           |                                 |
| Name <b>KOLOVOUTI</b> | Sail Nr <b>GRE-876</b>          |
| File <b>GR876</b>     | Data in <b>meters/kilograms</b> |

|                                |  |
|--------------------------------|--|
| <b>RIG</b>                     |  |
| Forestay Tension <b>Aft</b>    | Spreaders <b>1</b>                               |
| Inner Stay <b>None Fitted</b>  | Runners/Checkstays <b>0</b>                      |
| Carbon Mast <b>No</b>          | Jib Furler <b>No</b>                             |
| Fiber Rigging <b>No</b>        | Main Furler <b>No</b>                            |
| Non-Circular Rigging <b>No</b> |  |
| Articulated Bowsprit <b>No</b> |  |
| P <b>10.260</b>                | E <b>3.465</b> MDT1 <b>0.118</b> MW <b>0.000</b> |
| IG <b>11.683</b>               | J <b>3.660</b> MDL1 <b>0.180</b> GO <b>0.000</b> |
| ISP <b>11.748</b>              | SFJ <b>0.000</b> MDT2 <b>0.000</b> BD            |
| BAS <b>1.383</b>               | SPL <b>3.670</b> MDL2 <b>0.000</b> MWT           |
| FSD <b>-3.000</b>              | TPS TL <b>-3.000</b> MCG                         |

|  |                 |                       |  |
|--|-----------------|-----------------------|--|
| <b>INCLINING TEST AND FREEBOARDS</b>     |                 |                       |  |
| Inclining Test <b>Club Estimated VCG</b> |                 |                       |  |
| Flotation date <b>30/05/2001</b>         |                 | SG                    |  |
| FFM <b>1.130</b>                         | FF <b>1.138</b> | SFFP <b>0.833</b>     |  |
| FAM <b>0.968</b>                         | FA <b>0.974</b> | SAFP <b>8.510</b>     |  |
| LCF from stem on CL / on sheer           |                 | <b>5.060 / 5.287</b>  |  |
| Maximum beam station from stem           |                 | <b>5.481</b>          |  |
| RM Measured                              |                 | <b>75.5kg-m</b>       |  |
| RM Default                               |                 | <b>73.3kg-m</b>       |  |
| Limit of positive stability / Stab.Index |                 | <b>115.5° / 113.9</b> |  |
| Freeboard at mast at 3.660               |                 | <b>1.033</b>          |  |



**2020**  
Measurements  
Datasheet

|                             |  |
|-----------------------------|--|
| <b>MIZZEN RIG AND SAILS</b> |  |
| N/A                         |  |

|                                   |                    |     |     |
|-----------------------------------|--------------------|-----|-----|
| <b>PROPELLER</b>                  |                    |     |     |
| Installation <b>Shaft exposed</b> | PRD <b>0.385</b>   |     |     |
| Type <b>Solid 2 blades</b>        | PBW                |     |     |
| Twin Screw <b>No</b>              | PIPA <b>0.0155</b> |     |     |
| PSA                               | PHL                | ST3 | ESL |
| PSD                               | ST1                | ST4 |     |
| PHD                               | ST2                | ST5 |     |

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|                 |  |
|-----------------|--|
| <b>COMMENTS</b> |  |
|                 |  |

|                        |  |
|------------------------|--|
| <b>MOVABLE BALLAST</b> |  |
| N/A                    |  |

|                    |  |
|--------------------|--|
| <b>CENTERBOARD</b> |  |
| N/A                |  |

| <b>SAILS INVENTORY</b>           |       |       |       |      |      |       |          |           |             |             |                        |          |            |             |          |              |
|----------------------------------|-------|-------|-------|------|------|-------|----------|-----------|-------------|-------------|------------------------|----------|------------|-------------|----------|--------------|
| <b>MAINSAIL (1)</b>              |       |       |       |      |      |       |          |           |             |             |                        |          |            |             |          |              |
| Id                               | MHB   | MUW   | MTW   | MHW  | MQW  | Area  | Measurer | Meas.Date | Manufacture | Material    | Comment                |          |            |             |          |              |
| ORC                              | 0.12  | 0.64  | 1.14  | 2.06 | 2.83 | 20.08 |          |           |             |             | * Copied from legacy   |          |            |             |          |              |
| <b>HEADSAILS (3)</b>             |       |       |       |      |      |       |          |           |             |             |                        |          |            |             |          |              |
| Id                               | HHB   | HUW   | HTW   | HHW  | HQW  | HLP   | HLU      | Ovrlp     | Area        | Btn         | Flying                 | Measurer | Meas.Date  | Manufacture | Material | Comment      |
| 1                                | 0.04  | 0.65  | 1.28  | 2.60 | 3.97 | 5.38  | 11.18    | 147%      | 29.56       |             | No                     |          | 09/03/2013 |             | Dacron   |              |
| 3                                |       |       |       |      |      | 4.94  | 10.01    | 135%      | 25.17       |             | No                     |          | 09/03/2013 |             | Polyest  | drifter 0.75 |
| 2                                | 0.05  | 0.48  | 0.91  | 1.87 | 2.93 | 4.03  | 11.26    | 110%      | 21.91       |             | No                     |          | 09/03/2013 |             | Dacron   |              |
| <b>SYMMETRIC SPINNAKERS (1)</b>  |       |       |       |      |      |       |          |           |             |             |                        |          |            |             |          |              |
| Id                               | SLU   | SLE   | SL    | SHW  | SFL  | Area  | Measurer | Meas.Date | Manufacture | Material    | Comment                |          |            |             |          |              |
| ORC                              | 11.16 | 11.16 | 11.16 | 6.50 | 6.42 | 60.31 |          |           |             |             | * Copied from legacy * |          |            |             |          |              |
| <b>ASYMMETRIC SPINNAKERS (0)</b> |       |       |       |      |      |       |          |           |             |             |                        |          |            |             |          |              |
| Id                               | SLU   | SLE   | SL    | SHW  | SFL  | Area  | Kind     | Measurer  | Meas.Date   | Manufacture | Material               | Comment  |            |             |          |              |

# 2020

## ORC Club Certificate Appendix

| <b>BOAT</b>        |                   |
|--------------------|-------------------|
| Name               | <b>KOLOVOUTI</b>  |
| Sail Nr            | <b>GRE-876</b>    |
| Certificate Number | <b>00855</b>      |
| Issued On          | <b>08/10/2020</b> |

| <b>TIME ALLOWANCES</b>  |               |               |              |              |              |              |              |
|-------------------------|---------------|---------------|--------------|--------------|--------------|--------------|--------------|
| Wind Velocity           | 6 kt          | 8 kt          | 10 kt        | 12 kt        | 14 kt        | 16 kt        | 20 kt        |
| Beat VMG                | <b>1299.7</b> | <b>1072.4</b> | <b>946.1</b> | <b>860.8</b> | <b>820.1</b> | <b>806.6</b> | <b>810.9</b> |
| 52°                     | <b>837.5</b>  | <b>704.6</b>  | <b>624.6</b> | <b>583.2</b> | <b>564.6</b> | <b>557.5</b> | <b>555.6</b> |
| 60°                     | <b>787.2</b>  | <b>665.9</b>  | <b>597.3</b> | <b>566.1</b> | <b>549.6</b> | <b>540.8</b> | <b>536.9</b> |
| 75°                     | <b>754.0</b>  | <b>636.0</b>  | <b>578.4</b> | <b>552.3</b> | <b>535.4</b> | <b>522.2</b> | <b>507.3</b> |
| 90°                     | <b>763.3</b>  | <b>637.0</b>  | <b>568.1</b> | <b>540.1</b> | <b>527.1</b> | <b>514.6</b> | <b>488.0</b> |
| 110°                    | <b>757.3</b>  | <b>619.6</b>  | <b>558.3</b> | <b>529.3</b> | <b>505.8</b> | <b>485.5</b> | <b>464.5</b> |
| 120°                    | <b>779.4</b>  | <b>635.5</b>  | <b>564.8</b> | <b>533.2</b> | <b>508.7</b> | <b>485.6</b> | <b>449.6</b> |
| 135°                    | <b>856.9</b>  | <b>694.1</b>  | <b>595.6</b> | <b>551.3</b> | <b>524.9</b> | <b>500.7</b> | <b>457.8</b> |
| 150°                    | <b>999.6</b>  | <b>787.7</b>  | <b>666.4</b> | <b>587.8</b> | <b>550.1</b> | <b>525.8</b> | <b>481.8</b> |
| Run VMG                 | <b>1154.2</b> | <b>909.0</b>  | <b>767.5</b> | <b>670.0</b> | <b>601.3</b> | <b>559.2</b> | <b>511.9</b> |
| <b>Selected Courses</b> |               |               |              |              |              |              |              |
| Windward / Leeward      | <b>1227.0</b> | <b>990.7</b>  | <b>856.8</b> | <b>765.4</b> | <b>710.7</b> | <b>682.9</b> | <b>661.4</b> |
| Circular Random         | <b>1025.5</b> | <b>822.0</b>  | <b>711.0</b> | <b>645.7</b> | <b>605.7</b> | <b>580.7</b> | <b>552.7</b> |
| Coastal / Long Distance | <b>1219.7</b> | <b>928.9</b>  | <b>767.7</b> | <b>665.8</b> | <b>613.8</b> | <b>578.6</b> | <b>524.7</b> |
| Non Spinnaker           | <b>1085.4</b> | <b>864.4</b>  | <b>742.6</b> | <b>670.1</b> | <b>625.2</b> | <b>596.8</b> | <b>565.1</b> |

| <b>Velocity Prediction in Knots for True Wind Speeds</b> |               |               |               |               |               |               |               |
|--|---------------|---------------|---------------|---------------|---------------|---------------|---------------|
| Wind Velocity  | 6 kt          | 8 kt          | 10 kt         | 12 kt         | 14 kt         | 16 kt         | 20 kt         |
| Beat Angles  | <b>44.3°</b>  | <b>42.8°</b>  | <b>42.4°</b>  | <b>42.0°</b>  | <b>41.1°</b>  | <b>41.1°</b>  | <b>41.6°</b>  |
| Beat VMG   | <b>2.77</b>   | <b>3.36</b>   | <b>3.81</b>   | <b>4.18</b>   | <b>4.39</b>   | <b>4.46</b>   | <b>4.44</b>   |
| 52°  | <b>4.30</b>   | <b>5.11</b>   | <b>5.76</b>   | <b>6.17</b>   | <b>6.38</b>   | <b>6.46</b>   | <b>6.48</b>   |
| 60°  | <b>4.57</b>   | <b>5.41</b>   | <b>6.03</b>   | <b>6.36</b>   | <b>6.55</b>   | <b>6.66</b>   | <b>6.70</b>   |
| 75°  | <b>4.77</b>   | <b>5.66</b>   | <b>6.22</b>   | <b>6.52</b>   | <b>6.72</b>   | <b>6.89</b>   | <b>7.10</b>   |
| 90°  | <b>4.72</b>   | <b>5.65</b>   | <b>6.34</b>   | <b>6.67</b>   | <b>6.83</b>   | <b>7.00</b>   | <b>7.38</b>   |
| 110°   | <b>4.75</b>   | <b>5.81</b>   | <b>6.45</b>   | <b>6.80</b>   | <b>7.12</b>   | <b>7.42</b>   | <b>7.75</b>   |
| 120°   | <b>4.62</b>   | <b>5.66</b>   | <b>6.37</b>   | <b>6.75</b>   | <b>7.08</b>   | <b>7.41</b>   | <b>8.01</b>   |
| 135°   | <b>4.20</b>   | <b>5.19</b>   | <b>6.04</b>   | <b>6.53</b>   | <b>6.86</b>   | <b>7.19</b>   | <b>7.86</b>   |
| 150°   | <b>3.60</b>   | <b>4.57</b>   | <b>5.40</b>   | <b>6.12</b>   | <b>6.54</b>   | <b>6.85</b>   | <b>7.47</b>   |
| Run VMG  | <b>3.12</b>   | <b>3.96</b>   | <b>4.69</b>   | <b>5.37</b>   | <b>5.99</b>   | <b>6.44</b>   | <b>7.03</b>   |
| Gybe Angles  | <b>147.5°</b> | <b>151.0°</b> | <b>153.0°</b> | <b>157.5°</b> | <b>180.0°</b> | <b>180.0°</b> | <b>180.0°</b> |