



**ORC**

Offshore Racing Congress  
World leader in rating technology

**2019  
ORC Club  
Certificate**

**Rating Office**

**Hungarian Yachting  
Association  
Istvanmezei ut 1-3  
H-1146 Budapest  
HUNGARY**



**Certificate**

Number **010/19**  
Issued On **23/05/2019**  
ORC Ref **HUN10025272**  
VPP Ver. **2019 1.01**  
Valid until **31/12/2019**

**Crew Weight**

Default 571kg  
Maximum **480kg**  
Minimum\* **360kg**  
*\*when applied by the NoR and SI*  
Non Manual Pwr **No**

**Special Scoring**

ToD ToT  
Non Spin GPH **675.8 0.8878**  
Non Spin OSN **656.2 0.9143**

**Sails Limitations**

Headsails **5** Spinnakers **3**

**Spinnaker configuration**

Symmetric: **Yes 96.95**  
Asymmetric: **Yes 90.69**  
Flying H/S: **No**  
Spin. Pole: **Yes**

**Class Division Length**

**CDL = 8.467**

**Stability (Estimated)**

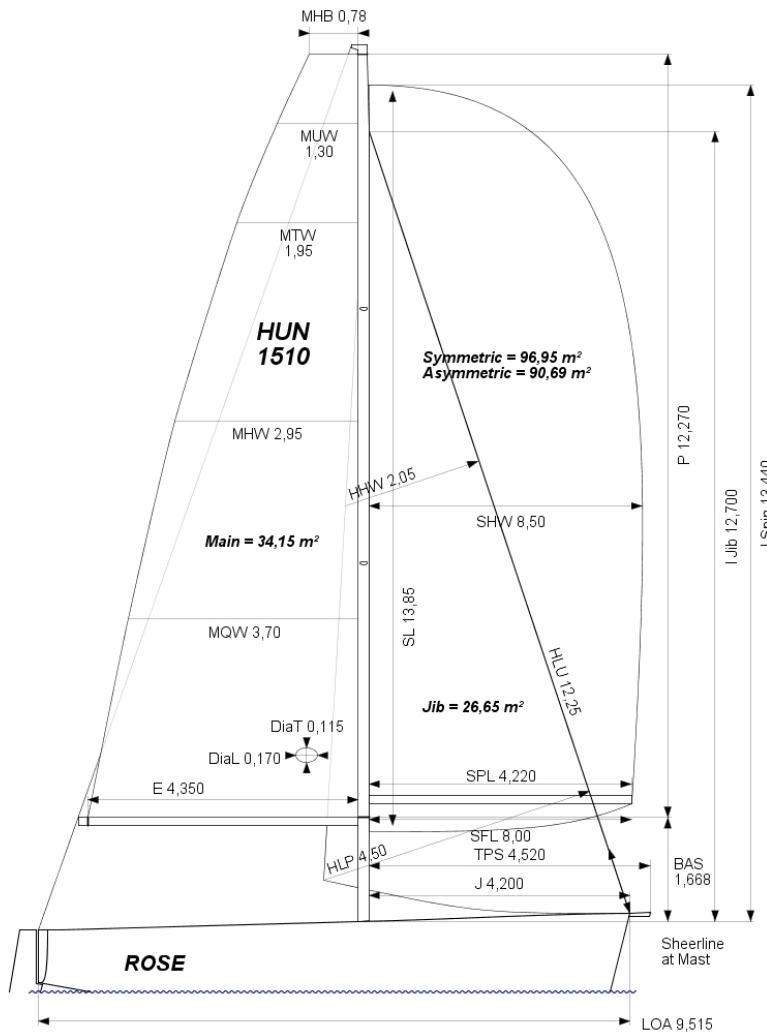
Limit Positive Stab.: **112.1°**  
Stability Index: **111.8**

**Owner**

**Péter Gyuricza  
Móricz Zs. körter 3/a  
1114 Budapest  
HUNGARY**

I certify that I understand my responsibilities under ORC Rules and Regulations

Signature



|                                   |                                |                    |               |                                   |   |                              |  |  |  |
|-----------------------------------|--------------------------------|--------------------|---------------|-----------------------------------|---|------------------------------|--|--|--|
| <b>BOAT</b>                       |                                | <b>GPH</b>         |               | <b>HULL</b>                       |   |                              |  |  |  |
| Name <b>Rose</b>                  |                                | <b>637.1</b>       |               | Data File <b>HUN1510</b>          | LOA <b>9.515m</b>                       |                              |  |  |  |
| Sail Nr <b>HUN-1510</b>           |                                |                    |               | Offset File <b>F244.OFF</b>       | MB <b>3.208m</b>                        |                              |  |  |  |
|                                   |                                |                    |               | Displacement <b>4 143kg</b>       | Draft <b>1.941m</b>                     |                              |  |  |  |
| <b>CLASS</b>                      |                                |                    |               | IMS Division <b>Cruiser/Racer</b> | Dynamic All. <b>0.184%</b>              |                              |  |  |  |
| Class <b>First 30 JK</b>          |                                |                    |               | Fwd Accom. <b>Yes</b>             | Construction <b>Solid</b>               |                              |  |  |  |
| Designer <b>Juan Yacht Design</b> |                                |                    |               | Fiber Rigging <b>No</b>           | Aramid Core <b>No</b>                   |                              |  |  |  |
| Builder <b>Beneteau</b>           |                                |                    |               | Crew Arm Ex                       | Carbon Rudder <b>No</b>                 |                              |  |  |  |
| Series <b>01/2011</b>             |                                |                    |               |                                   | Light Stanchions <b>No</b>              |                              |  |  |  |
| Age Date <b>08/2014</b>           |                                |                    |               | IMSL <b>9.086m</b>                | VCGD <b>0.186m</b>                      | Sink <b>16.95kg/mm</b>       |  |  |  |
| Age Allowance <b>0.260%</b>       |                                |                    |               | RL <b>7.847m</b>                  | VCGM <b>0.163m</b>                      | WS <b>22.10m<sup>2</sup></b> |  |  |  |
| <b>COMMENTS</b>                   |                                |                    |               | LSM0 <b>8.768m</b>                | Displacement/Length ratio <b>6.1463</b> |                              |  |  |  |
|                                   |                                |                    |               | Water Ballast <b>0</b>            | Trim Tab <b>No</b>                      |                              |  |  |  |
|                                   |                                |                    |               | BLR Index <b>0.0000</b>           |   |                              |  |  |  |
| <b>PROPELLER</b>                  |                                |                    |               | <b>CENTERBOARD</b>                |   |                              |  |  |  |
| Installation <b>Strut</b>         |                                | PRD <b>0.407</b>   |               | <b>N/A</b>                        |   |                              |  |  |  |
| Type <b>Folding 2 blades</b>      |                                | PBW <b>0.110</b>   |               |                                   |   |                              |  |  |  |
|                                   |                                | PIPA <b>0.0033</b> |               |                                   |   |                              |  |  |  |
| <b>SCORING OPTIONS</b>            |                                |                    |               |                                   |   |                              |  |  |  |
|                                   | <b>COASTAL / LONG DISTANCE</b> |                    |               |                                   |   | <b>WINDWARD / LEEWARD</b>    |  |  |  |
| Time on Distance                  | <b>620.5</b>                   |                    |               |                                   |   | <b>693.2</b>                 |  |  |  |
| Time on Time                      | <b>0.9670</b>                  |                    |               |                                   |   | <b>0.9738</b>                |  |  |  |
| Triple Number                     | Low                            | Medium             | High          | Low                               | Medium                                  | High                         |  |  |  |
| Time on Distance                  | <b>724.2</b>                   | <b>565.4</b>       | <b>509.8</b>  | <b>937.0</b>                      | <b>693.1</b>                            | <b>612.1</b>                 |  |  |  |
| Time on Time                      | <b>0.9321</b>                  | <b>1.1938</b>      | <b>1.3241</b> | <b>0.7204</b>                     | <b>0.9739</b>                           | <b>1.1028</b>                |  |  |  |

# 2019

## ORC Club Certificate Appendix

| <b>BOAT</b>             |                                  |
|-------------------------|----------------------------------|
| Name <b>Rose</b>        | Certificate Number <b>010/19</b> |
| Sail Nr <b>HUN-1510</b> | Issued On <b>23/05/2019</b>      |

| <b>TIME ALLOWANCES</b>  |               |              |              |              |              |              |              |
|-------------------------|---------------|--------------|--------------|--------------|--------------|--------------|--------------|
| Wind Velocity           | 6 kt          | 8 kt         | 10 kt        | 12 kt        | 14 kt        | 16 kt        | 20 kt        |
| Beat VMG                | <b>1090.9</b> | <b>903.1</b> | <b>796.9</b> | <b>753.8</b> | <b>740.2</b> | <b>737.0</b> | <b>734.1</b> |
| 52°                     | <b>711.8</b>  | <b>601.8</b> | <b>545.5</b> | <b>525.0</b> | <b>518.8</b> | <b>516.3</b> | <b>511.4</b> |
| 60°                     | <b>672.1</b>  | <b>574.2</b> | <b>530.0</b> | <b>511.2</b> | <b>504.2</b> | <b>501.2</b> | <b>497.0</b> |
| 75°                     | <b>642.1</b>  | <b>554.7</b> | <b>518.6</b> | <b>498.7</b> | <b>485.1</b> | <b>478.1</b> | <b>473.9</b> |
| 90°                     | <b>633.1</b>  | <b>537.7</b> | <b>507.1</b> | <b>495.0</b> | <b>476.9</b> | <b>460.1</b> | <b>441.5</b> |
| 110°                    | <b>622.8</b>  | <b>528.9</b> | <b>494.0</b> | <b>469.4</b> | <b>452.9</b> | <b>441.0</b> | <b>420.5</b> |
| 120°                    | <b>639.1</b>  | <b>536.8</b> | <b>497.3</b> | <b>468.6</b> | <b>442.9</b> | <b>421.0</b> | <b>396.7</b> |
| 135°                    | <b>705.7</b>  | <b>573.7</b> | <b>514.8</b> | <b>484.9</b> | <b>456.1</b> | <b>427.4</b> | <b>369.9</b> |
| 150°                    | <b>843.5</b>  | <b>675.4</b> | <b>567.9</b> | <b>513.5</b> | <b>486.0</b> | <b>459.4</b> | <b>406.9</b> |
| Run VMG                 | <b>974.0</b>  | <b>779.9</b> | <b>655.8</b> | <b>579.1</b> | <b>529.6</b> | <b>498.5</b> | <b>448.3</b> |
| <b>Selected Courses</b> |               |              |              |              |              |              |              |
| Windward / Leeward      | <b>1032.5</b> | <b>841.5</b> | <b>726.4</b> | <b>666.5</b> | <b>634.9</b> | <b>617.7</b> | <b>591.2</b> |
| Circular Random         | <b>871.0</b>  | <b>705.8</b> | <b>618.2</b> | <b>568.4</b> | <b>538.3</b> | <b>518.7</b> | <b>492.8</b> |
| Coastal / Long Distance | <b>1026.6</b> | <b>789.4</b> | <b>656.8</b> | <b>586.5</b> | <b>549.5</b> | <b>519.6</b> | <b>470.7</b> |
| Non Spinnaker           | <b>942.4</b>  | <b>755.5</b> | <b>654.6</b> | <b>596.1</b> | <b>560.7</b> | <b>538.1</b> | <b>510.4</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>43.0°</b>  | <b>41.4°</b>  | <b>40.5°</b>  | <b>39.6°</b>  | <b>39.0°</b>  | <b>39.0°</b>  | <b>39.5°</b>  |
| Beat VMG   | <b>3.30</b>   | <b>3.99</b>   | <b>4.52</b>   | <b>4.78</b>   | <b>4.86</b>   | <b>4.88</b>   | <b>4.90</b>   |
| 52°  | <b>5.06</b>   | <b>5.98</b>   | <b>6.60</b>   | <b>6.86</b>   | <b>6.94</b>   | <b>6.97</b>   | <b>7.04</b>   |
| 60°  | <b>5.36</b>   | <b>6.27</b>   | <b>6.79</b>   | <b>7.04</b>   | <b>7.14</b>   | <b>7.18</b>   | <b>7.24</b>   |
| 75°  | <b>5.61</b>   | <b>6.49</b>   | <b>6.94</b>   | <b>7.22</b>   | <b>7.42</b>   | <b>7.53</b>   | <b>7.60</b>   |
| 90°  | <b>5.69</b>   | <b>6.69</b>   | <b>7.10</b>   | <b>7.27</b>   | <b>7.55</b>   | <b>7.82</b>   | <b>8.15</b>   |
| 110°   | <b>5.78</b>   | <b>6.81</b>   | <b>7.29</b>   | <b>7.67</b>   | <b>7.95</b>   | <b>8.16</b>   | <b>8.56</b>   |
| 120°   | <b>5.63</b>   | <b>6.71</b>   | <b>7.24</b>   | <b>7.68</b>   | <b>8.13</b>   | <b>8.55</b>   | <b>9.07</b>   |
| 135°   | <b>5.10</b>   | <b>6.28</b>   | <b>6.99</b>   | <b>7.42</b>   | <b>7.89</b>   | <b>8.42</b>   | <b>9.73</b>   |
| 150°   | <b>4.27</b>   | <b>5.33</b>   | <b>6.34</b>   | <b>7.01</b>   | <b>7.41</b>   | <b>7.84</b>   | <b>8.85</b>   |
| Run VMG  | <b>3.70</b>   | <b>4.62</b>   | <b>5.49</b>   | <b>6.22</b>   | <b>6.80</b>   | <b>7.22</b>   | <b>8.03</b>   |
| Gybe Angles  | <b>139.4°</b> | <b>149.2°</b> | <b>149.9°</b> | <b>159.4°</b> | <b>180.0°</b> | <b>180.0°</b> | <b>180.0°</b> |