



**ORC**

Offshore Racing Congress  
World leader in rating technology

**2020  
ORC Club  
Certificate**

**Rating Office**

**Offshore  
Racing  
Congress**



**Certificate**

Number **037/20**  
Issued On **18/06/2020**  
ORC Ref **03850000L02**  
VPP Ver. **2020 1.02**  
Valid until **31/12/2020**

**Crew Weight**

Default 355kg  
Maximum **450kg**  
Minimum\* **338kg**  
*\*when applied by the NoR and SI*  
Non Manual Pwr

**Special Scoring**

|              | ToD          | ToT           |
|--------------|--------------|---------------|
| Non Spin GPH | <b>824.7</b> | <b>0.7275</b> |
| Non Spin OSN | <b>793.6</b> | <b>0.7560</b> |

**Sails Limitations**

Headsails **1** Spinnakers **4**  
**Woven Polyester**

**Spinnaker configuration**  
Symmetric: **Yes** **32.00**  
Asymmetric: **No**  
Flying H/S: **No**  
Spin. Pole: **Yes**

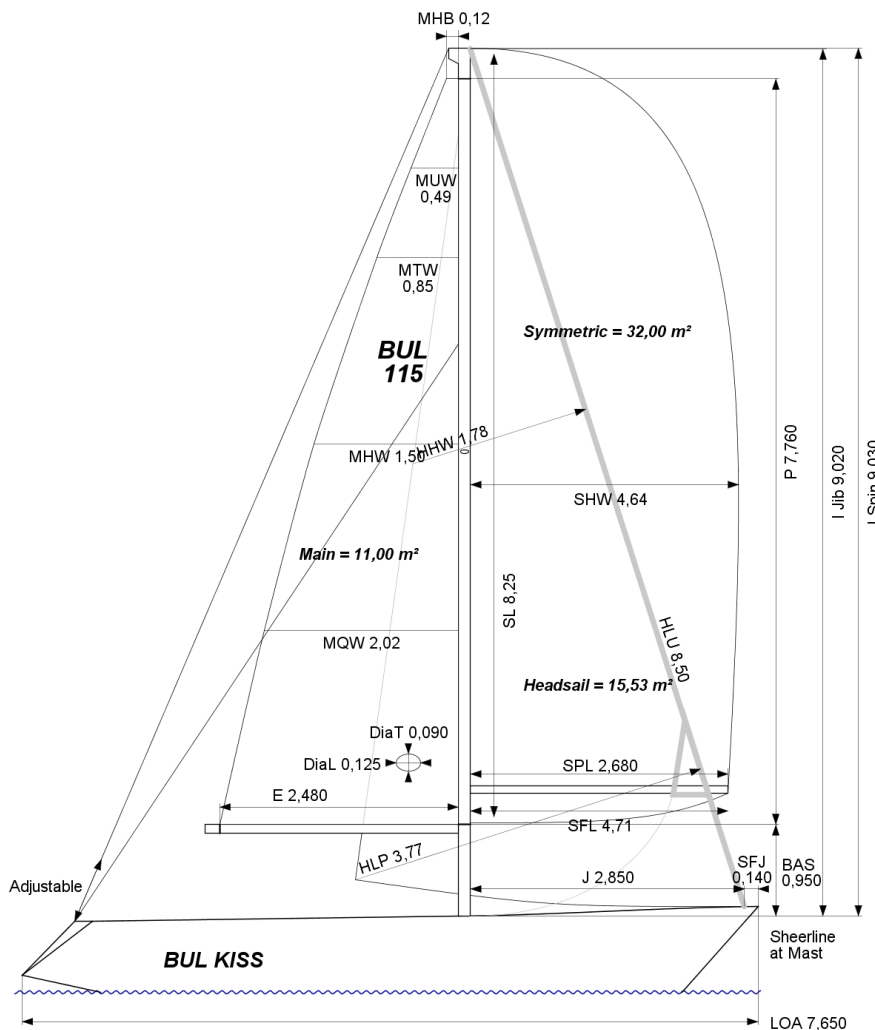
**Class Division Length**

**CDL = 5.808**

**Stability (Estimated)**

Limit Positive Stab.: **106.3°**  
Stability Index: **99.5**

**Owner**



| BOAT  | GPH                            | HULL  |
|---|--------------------------------|---|
| Name <b>BUL KISS</b><br>Sail Nr <b>BUL 115</b>  | <b>786.3</b>                   | Data File <b>BUL115</b> LOA <b>7.650m</b><br>Offset File <b>C760.off</b> MB <b>2.756m</b><br>Displacement <b>1,902kg</b> Draft <b>1.563m</b>  |
| <b>CLASS</b><br>Class <b>Conrad 25T</b><br>Designer <b>Doug Peterson</b><br>Builder <b>Conrad Poland</b><br>Series <b>04/1978</b><br>Age Date <b>05/1985</b><br>Age Allowance <b>0.487%</b> |                                | IMS Division <b>Cruiser/Racer</b> Dynamic All. <b>0.394%</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> |
| <b>COMMENTS</b>   |                                | IMSL <b>6.353m</b> VCGD <b>0.134m</b> Sink <b>8.85kg/mm</b><br>RL <b>5.263m</b> VCGM <b>0.092m</b> WS <b>12.05m²</b><br>LSM0 <b>6.289m</b> Displacement/Length ratio <b>7.6466</b>  |
| <b>PROPELLER</b><br>Type <b>No Propeller</b>  |                                | Water Ballast <b>0</b> Trim Tab <b>No</b><br>BLR Index <b>0.0000</b>  |
|   |                                | <b>CENTERBOARD</b><br><br><b>N/A</b>  |
| <b>SCORING OPTIONS</b>  |                                |   |
|   | <b>COASTAL / LONG DISTANCE</b> | <b>WINDWARD / LEEWARD</b>   |
| Time on Distance  | <b>760.3</b>                   | <b>841.3</b>  |
| Time on Time  | <b>0.7892</b>                  | <b>0.8023</b>   |
| Triple Number   | Low Medium High                | Low Medium High   |
| Time on Distance  | <b>912.8 695.4 605.5</b>       | <b>1169.0 853.9 716.0</b>   |
| Time on Time  | <b>0.7395 0.9707 1.1148</b>    | <b>0.5774 0.7905 0.9428</b>   |

# 2020

## ORC Club Certificate Appendix

| <b>BOAT</b>        |                   |
|--------------------|-------------------|
| Name               | <b>BUL KISS</b>   |
| Sail Nr            | <b>BUL 115</b>    |
| Certificate Number | <b>037/20</b>     |
| Issued On          | <b>18/06/2020</b> |

| <b>TIME ALLOWANCES</b>  |               |               |               |              |              |              |              |
|-------------------------|---------------|---------------|---------------|--------------|--------------|--------------|--------------|
| Wind Velocity           | 6 kt          | 8 kt          | 10 kt         | 12 kt        | 14 kt        | 16 kt        | 20 kt        |
| Beat VMG                | <b>1360.8</b> | <b>1136.9</b> | <b>1009.7</b> | <b>920.4</b> | <b>863.2</b> | <b>826.0</b> | <b>816.7</b> |
| 52°                     | <b>893.9</b>  | <b>755.1</b>  | <b>672.9</b>  | <b>634.0</b> | <b>614.0</b> | <b>599.5</b> | <b>587.7</b> |
| 60°                     | <b>848.7</b>  | <b>717.9</b>  | <b>649.5</b>  | <b>618.3</b> | <b>600.1</b> | <b>585.3</b> | <b>566.9</b> |
| 75°                     | <b>818.3</b>  | <b>693.3</b>  | <b>634.8</b>  | <b>606.9</b> | <b>586.8</b> | <b>569.8</b> | <b>541.1</b> |
| 90°                     | <b>820.8</b>  | <b>676.0</b>  | <b>613.9</b>  | <b>584.7</b> | <b>561.9</b> | <b>544.5</b> | <b>528.7</b> |
| 110°                    | <b>807.2</b>  | <b>668.0</b>  | <b>610.8</b>  | <b>579.6</b> | <b>551.5</b> | <b>526.0</b> | <b>488.8</b> |
| 120°                    | <b>831.5</b>  | <b>684.4</b>  | <b>618.5</b>  | <b>586.0</b> | <b>558.8</b> | <b>531.9</b> | <b>486.8</b> |
| 135°                    | <b>911.4</b>  | <b>743.2</b>  | <b>647.4</b>  | <b>605.2</b> | <b>577.2</b> | <b>550.7</b> | <b>502.8</b> |
| 150°                    | <b>1051.5</b> | <b>837.1</b>  | <b>713.8</b>  | <b>638.4</b> | <b>602.9</b> | <b>577.1</b> | <b>529.0</b> |
| Run VMG                 | <b>1214.2</b> | <b>964.2</b>  | <b>818.2</b>  | <b>717.0</b> | <b>646.9</b> | <b>609.3</b> | <b>559.8</b> |
| <b>Selected Courses</b> |               |               |               |              |              |              |              |
| Windward / Leeward      | <b>1287.5</b> | <b>1050.5</b> | <b>913.9</b>  | <b>818.7</b> | <b>755.1</b> | <b>717.6</b> | <b>688.2</b> |
| Circular Random         | <b>1092.9</b> | <b>879.4</b>  | <b>762.9</b>  | <b>693.2</b> | <b>648.9</b> | <b>619.4</b> | <b>583.8</b> |
| Coastal / Long Distance | <b>1280.1</b> | <b>986.2</b>  | <b>822.6</b>  | <b>718.6</b> | <b>660.1</b> | <b>617.8</b> | <b>559.7</b> |
| Non Spinnaker           | <b>1160.5</b> | <b>927.7</b>  | <b>799.2</b>  | <b>721.8</b> | <b>672.4</b> | <b>639.6</b> | <b>599.9</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>43.3°</b>  | <b>41.8°</b>  | <b>42.0°</b>  | <b>41.1°</b>  | <b>39.0°</b>  | <b>37.5°</b>  | <b>37.5°</b>  |
| Beat VMG   | <b>2.65</b>   | <b>3.17</b>   | <b>3.57</b>   | <b>3.91</b>   | <b>4.17</b>   | <b>4.36</b>   | <b>4.41</b>   |
| 52°  | <b>4.03</b>   | <b>4.77</b>   | <b>5.35</b>   | <b>5.68</b>   | <b>5.86</b>   | <b>6.01</b>   | <b>6.13</b>   |
| 60°  | <b>4.24</b>   | <b>5.01</b>   | <b>5.54</b>   | <b>5.82</b>   | <b>6.00</b>   | <b>6.15</b>   | <b>6.35</b>   |
| 75°  | <b>4.40</b>   | <b>5.19</b>   | <b>5.67</b>   | <b>5.93</b>   | <b>6.13</b>   | <b>6.32</b>   | <b>6.65</b>   |
| 90°  | <b>4.39</b>   | <b>5.33</b>   | <b>5.86</b>   | <b>6.16</b>   | <b>6.41</b>   | <b>6.61</b>   | <b>6.81</b>   |
| 110°   | <b>4.46</b>   | <b>5.39</b>   | <b>5.89</b>   | <b>6.21</b>   | <b>6.53</b>   | <b>6.84</b>   | <b>7.36</b>   |
| 120°   | <b>4.33</b>   | <b>5.26</b>   | <b>5.82</b>   | <b>6.14</b>   | <b>6.44</b>   | <b>6.77</b>   | <b>7.40</b>   |
| 135°   | <b>3.95</b>   | <b>4.84</b>   | <b>5.56</b>   | <b>5.95</b>   | <b>6.24</b>   | <b>6.54</b>   | <b>7.16</b>   |
| 150°   | <b>3.42</b>   | <b>4.30</b>   | <b>5.04</b>   | <b>5.64</b>   | <b>5.97</b>   | <b>6.24</b>   | <b>6.81</b>   |
| Run VMG  | <b>2.97</b>   | <b>3.73</b>   | <b>4.40</b>   | <b>5.02</b>   | <b>5.57</b>   | <b>5.91</b>   | <b>6.43</b>   |
| Gybe Angles  | <b>149.0°</b> | <b>153.0°</b> | <b>155.0°</b> | <b>170.0°</b> | <b>180.0°</b> | <b>180.0°</b> | <b>180.0°</b> |