



**ORC**

Offshore Racing Congress  
World leader in rating technology

**2020**  
**ORC Club**  
**Certificate**

**Rating Office**

**Offshore**  
**Racing**  
**Congress**



**Certificate**

Number **052/20**  
Issued On **07/08/2020**  
ORC Ref **0385000004L**  
VPP Ver. **2020 1.02**  
Valid until **31/12/2020**

**Crew Weight**

Default 341kg  
Maximum **510kg**  
Minimum\* **383kg**  
*\*when applied by the NoR and SI*  
Non Manual Pwr **No**

**Special Scoring**

	ToD	ToT
Non Spin GPH	<b>741.8</b>	<b>0.8088</b>
Non Spin OSN	<b>718.3</b>	<b>0.8353</b>

**Sails Limitations**

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

**Spinnaker configuration**

Symmetric: **Yes 36.67**  
Asymmetric: **No**  
Flying H/S: **No**  
Spin. Pole: **Yes**

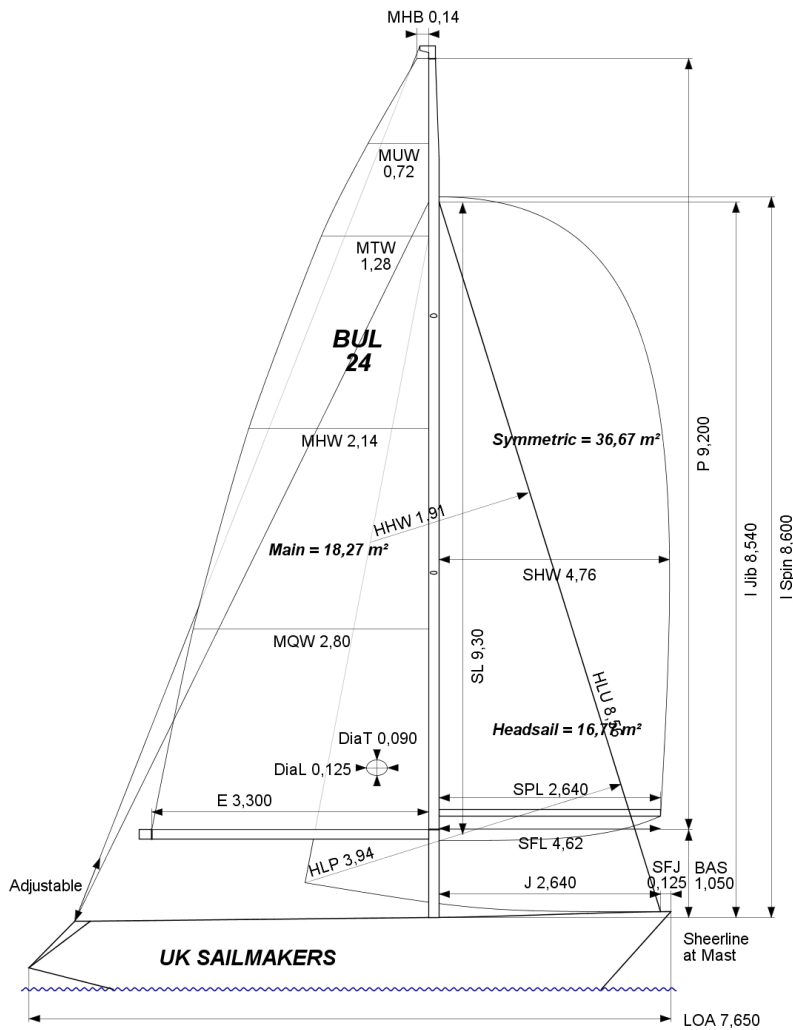
**Class Division Length**

**CDL = 6.415**

**Stability (Estimated)**

Limit Positive Stab.: **116.3°**  
Stability Index: **108.4**

**Owner**



BOAT	GPH	HULL
Name <b>UK Sailmakers</b> Sail Nr <b>BUL-24</b>	<b>716.4</b>	Data File <b>BUL24</b> LOA <b>7.650m</b> Offset File <b>C760.off</b> MB <b>2.756m</b> Displacement <b>1,410kg</b> Draft <b>1.502m</b>
<b>CLASS</b> Class <b>Conrad 25R</b> Designer <b>Peterson</b> Builder <b>Gdansk, Poland</b> Series <b>01/1976</b> Age Date <b>01/1983</b> Age Allowance <b>0.487%</b>	IMS Division <b>Performance</b> Dynamic All. <b>0.000%</b> Plan Review Construction <b>Solid</b> Fiber Rigging <b>No</b> Aramid Core <b>No</b> Crew Arm Ex Carbon Rudder <b>No</b> Light Stanchions <b>No</b>	IMSL <b>6.124m</b> VCGD <b>-0.073m</b> Sink <b>7.86kg/mm</b> RL <b>6.705m</b> VCGM <b>-0.055m</b> WS <b>10.75m²</b> LSM0 <b>6.110m</b> Displacement/Length ratio <b>6.1815</b>
<b>COMMENTS</b>	Water Ballast <b>0</b> Trim Tab <b>No</b> BLR Index <b>0.0000</b>	<b>CENTERBOARD</b>  <b>N/A</b>
<b>PROPELLER</b> Type <b>No Propeller</b>		
<b>SCORING OPTIONS</b>		
	<b>COASTAL / LONG DISTANCE</b>	<b>WINDWARD / LEEWARD</b>
Time on Distance	<b>696.2</b>	<b>770.2</b>
Time on Time	<b>0.8619</b>	<b>0.8764</b>
Triple Number	Low Medium High	Low Medium High
Time on Distance	<b>807.9 639.3 573.1</b>	<b>1032.6 771.9 685.1</b>
Time on Time	<b>0.8355 1.0559 1.1779</b>	<b>0.6537 0.8745 0.9852</b>

# 2020

## ORC Club Certificate Appendix

<b>BOAT</b>	
Name <b>UK Sailmakers</b>	Certificate Number <b>052/20</b>
Sail Nr <b>BUL-24</b>	Issued On <b>07/08/2020</b>

<b>TIME ALLOWANCES</b>							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	<b>1146.8</b>	<b>964.8</b>	<b>864.3</b>	<b>815.5</b>	<b>802.5</b>	<b>798.9</b>	<b>811.5</b>
52°	<b>761.9</b>	<b>655.5</b>	<b>617.2</b>	<b>596.6</b>	<b>584.5</b>	<b>579.0</b>	<b>577.9</b>
60°	<b>724.0</b>	<b>637.5</b>	<b>604.4</b>	<b>582.4</b>	<b>565.5</b>	<b>557.6</b>	<b>553.3</b>
75°	<b>700.4</b>	<b>628.0</b>	<b>594.4</b>	<b>567.0</b>	<b>545.0</b>	<b>529.5</b>	<b>517.6</b>
90°	<b>708.6</b>	<b>622.9</b>	<b>581.4</b>	<b>549.6</b>	<b>530.1</b>	<b>516.5</b>	<b>486.9</b>
110°	<b>719.7</b>	<b>622.1</b>	<b>579.4</b>	<b>541.1</b>	<b>509.9</b>	<b>484.0</b>	<b>451.0</b>
120°	<b>745.6</b>	<b>633.6</b>	<b>588.8</b>	<b>550.7</b>	<b>517.4</b>	<b>486.2</b>	<b>428.9</b>
135°	<b>827.1</b>	<b>681.8</b>	<b>613.1</b>	<b>575.8</b>	<b>540.9</b>	<b>510.2</b>	<b>448.3</b>
150°	<b>971.0</b>	<b>777.4</b>	<b>661.5</b>	<b>607.7</b>	<b>573.2</b>	<b>540.9</b>	<b>484.8</b>
Run VMG	<b>1121.3</b>	<b>897.3</b>	<b>758.7</b>	<b>665.6</b>	<b>613.4</b>	<b>579.5</b>	<b>520.3</b>
<b>Selected Courses</b>							
Windward / Leeward	<b>1134.0</b>	<b>931.0</b>	<b>811.5</b>	<b>740.5</b>	<b>708.0</b>	<b>689.2</b>	<b>665.9</b>
Circular Random	<b>972.7</b>	<b>792.2</b>	<b>696.2</b>	<b>640.6</b>	<b>606.2</b>	<b>583.5</b>	<b>553.9</b>
Coastal / Long Distance	<b>1132.7</b>	<b>878.4</b>	<b>740.2</b>	<b>660.6</b>	<b>619.1</b>	<b>585.1</b>	<b>524.6</b>
Non Spinnaker	<b>1015.8</b>	<b>823.2</b>	<b>720.2</b>	<b>660.3</b>	<b>623.3</b>	<b>599.0</b>	<b>568.3</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>41.3°</b>	<b>40.9°</b>	<b>38.6°</b>	<b>36.6°</b>	<b>36.0°</b>	<b>36.0°</b>	<b>37.1°</b>
Beat VMG	<b>3.14</b>	<b>3.73</b>	<b>4.17</b>	<b>4.41</b>	<b>4.49</b>	<b>4.51</b>	<b>4.44</b>
52°	<b>4.72</b>	<b>5.49</b>	<b>5.83</b>	<b>6.03</b>	<b>6.16</b>	<b>6.22</b>	<b>6.23</b>
60°	<b>4.97</b>	<b>5.65</b>	<b>5.96</b>	<b>6.18</b>	<b>6.37</b>	<b>6.46</b>	<b>6.51</b>
75°	<b>5.14</b>	<b>5.73</b>	<b>6.06</b>	<b>6.35</b>	<b>6.61</b>	<b>6.80</b>	<b>6.96</b>
90°	<b>5.08</b>	<b>5.78</b>	<b>6.19</b>	<b>6.55</b>	<b>6.79</b>	<b>6.97</b>	<b>7.39</b>
110°	<b>5.00</b>	<b>5.79</b>	<b>6.21</b>	<b>6.65</b>	<b>7.06</b>	<b>7.44</b>	<b>7.98</b>
120°	<b>4.83</b>	<b>5.68</b>	<b>6.11</b>	<b>6.54</b>	<b>6.96</b>	<b>7.40</b>	<b>8.39</b>
135°	<b>4.35</b>	<b>5.28</b>	<b>5.87</b>	<b>6.25</b>	<b>6.66</b>	<b>7.06</b>	<b>8.03</b>
150°	<b>3.71</b>	<b>4.63</b>	<b>5.44</b>	<b>5.92</b>	<b>6.28</b>	<b>6.66</b>	<b>7.43</b>
Run VMG	<b>3.21</b>	<b>4.01</b>	<b>4.75</b>	<b>5.41</b>	<b>5.87</b>	<b>6.21</b>	<b>6.92</b>
Gybe Angles	<b>149.0°</b>	<b>152.0°</b>	<b>155.0°</b>	<b>180.0°</b>	<b>180.0°</b>	<b>180.0°</b>	<b>180.0°</b>