



**ORC**  
Offshore Racing Congress  
World leader in rating technology

**2020  
ORC Club  
Certificate**

**Rating Office**

**Offshore  
Racing  
Congress**



**Certificate**

Number **043/20**  
Issued On **30/06/2020**  
ORC Ref **03850000LMU**  
VPP Ver. **2020 1.02**  
Valid until **31/12/2020**

**Crew Weight**

Default 338kg  
Maximum **480kg**  
Minimum\* **360kg**  
*\*when applied by the NoR and SI*  
Non Manual Pwr **No**

**Special Scoring**

ToD ToT  
Non Spin GPH **743.2 0.8073**  
Non Spin OSN **720.2 0.8331**

**Sails Limitations**

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

**Spinnaker configuration**  
Symmetric: **Yes 31.07**  
Asymmetric: **No**  
Flying H/S: **No**  
Spin. Pole: **Yes**

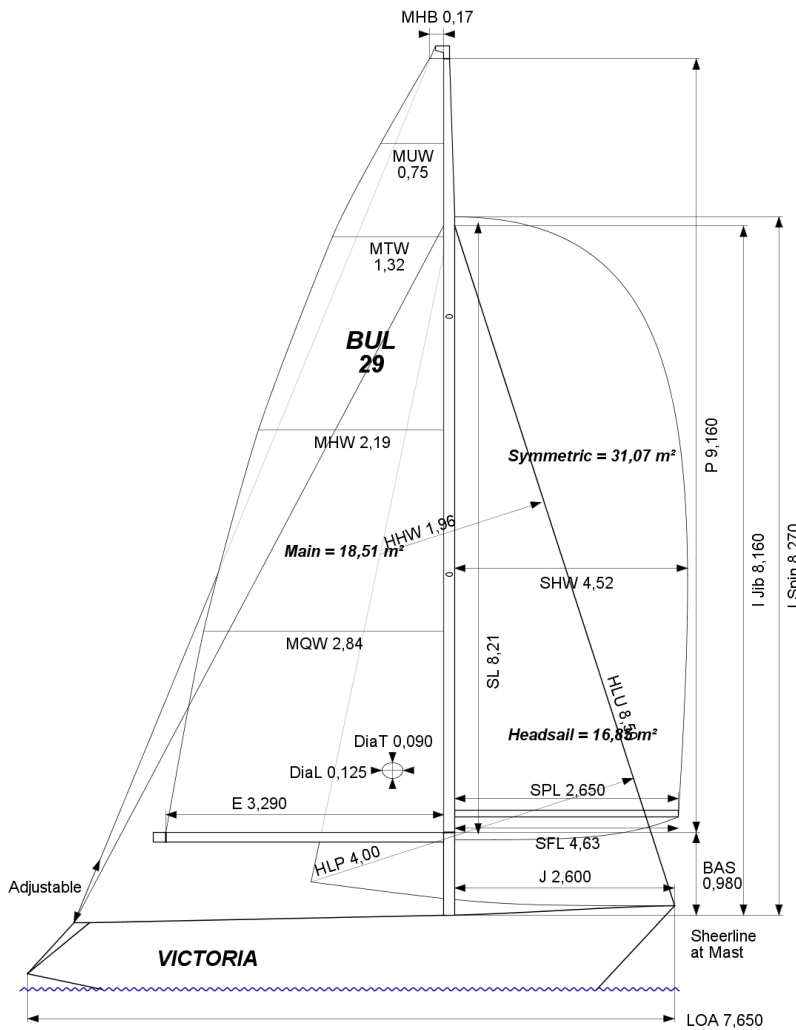
**Class Division Length**

**CDL = 6.410**

**Stability (Estimated)**

Limit Positive Stab.: **113.7°**  
Stability Index: **105.8**

**Owner**



<b>BOAT</b> Name <b>VICTORIA</b> Sail Nr <b>BUL-29</b>		<b>GPH</b> <b>723.4</b>	<b>HULL</b> Data File <b>BUL559</b> LOA <b>7.650m</b> Offset File <b>C760.off</b> MB <b>2.756m</b> Displacement <b>1,489kg</b> Draft <b>1.514m</b>			
<b>CLASS</b> Class <b>CONRAD 25R</b> Designer <b>Peterson</b> Builder <b>Poland, GDANSK</b> Series <b>01/1978</b> Age Date <b>01/1985</b> Age Allowance <b>0.487%</b>		IMS Division <b>Performance</b> Dynamic All. <b>0.042%</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>6.182m</b> VCGD <b>-0.024m</b> Sink <b>8.11kg/mm</b> RL <b>6.637m</b> VCGM <b>-0.016m</b> WS <b>11.05m²</b> LSM0 <b>6.068m</b> Displacement/Length ratio <b>6.6644</b>		
<b>COMMENTS</b>		Water Ballast <b>0</b> Trim Tab <b>No</b> BLR Index <b>0.0000</b>				
<b>PROPELLER</b> Type <b>No Propeller</b>		<b>CENTERBOARD</b> <b>N/A</b>				
<b>SCORING OPTIONS</b>						
	<b>COASTAL / LONG DISTANCE</b>			<b>WINDWARD / LEEWARD</b>		
Time on Distance	<b>703.1</b>			<b>776.8</b>		
Time on Time	<b>0.8534</b>			<b>0.8689</b>		
Triple Number	Low	Medium	High	Low	Medium	High
Time on Distance	<b>815.2</b>	<b>645.3</b>	<b>580.2</b>	<b>1042.1</b>	<b>778.2</b>	<b>691.5</b>
Time on Time	<b>0.8280</b>	<b>1.0461</b>	<b>1.1633</b>	<b>0.6477</b>	<b>0.8674</b>	<b>0.9762</b>

# 2020

## ORC Club Certificate Appendix

<b>BOAT</b>	
Name	<b>VICTORIA</b>
Sail Nr	<b>BUL-29</b>
Certificate Number	<b>043/20</b>
Issued On	<b>30/06/2020</b>

<b>TIME ALLOWANCES</b>							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	<b>1146.9</b>	<b>965.6</b>	<b>865.2</b>	<b>819.6</b>	<b>807.7</b>	<b>804.3</b>	<b>816.8</b>
52°	<b>761.4</b>	<b>655.7</b>	<b>618.5</b>	<b>599.0</b>	<b>588.7</b>	<b>583.8</b>	<b>583.2</b>
60°	<b>724.0</b>	<b>637.6</b>	<b>606.0</b>	<b>585.3</b>	<b>570.0</b>	<b>562.8</b>	<b>558.9</b>
75°	<b>700.3</b>	<b>627.9</b>	<b>595.6</b>	<b>570.4</b>	<b>548.8</b>	<b>534.1</b>	<b>523.1</b>
90°	<b>708.3</b>	<b>628.1</b>	<b>587.1</b>	<b>555.3</b>	<b>532.5</b>	<b>520.0</b>	<b>493.0</b>
110°	<b>734.4</b>	<b>629.3</b>	<b>587.5</b>	<b>551.1</b>	<b>519.3</b>	<b>492.5</b>	<b>457.0</b>
120°	<b>762.4</b>	<b>642.5</b>	<b>596.6</b>	<b>562.0</b>	<b>529.4</b>	<b>499.8</b>	<b>445.0</b>
135°	<b>847.3</b>	<b>696.0</b>	<b>622.4</b>	<b>586.2</b>	<b>552.8</b>	<b>522.4</b>	<b>466.1</b>
150°	<b>991.6</b>	<b>790.2</b>	<b>672.6</b>	<b>615.8</b>	<b>582.8</b>	<b>551.4</b>	<b>496.7</b>
Run VMG	<b>1145.0</b>	<b>911.1</b>	<b>770.3</b>	<b>674.4</b>	<b>619.6</b>	<b>586.7</b>	<b>528.6</b>
<b>Selected Courses</b>							
Windward / Leeward	<b>1146.0</b>	<b>938.3</b>	<b>817.7</b>	<b>747.0</b>	<b>713.6</b>	<b>695.5</b>	<b>672.7</b>
Circular Random	<b>981.9</b>	<b>799.6</b>	<b>702.9</b>	<b>647.1</b>	<b>613.0</b>	<b>590.6</b>	<b>561.8</b>
Coastal / Long Distance	<b>1145.9</b>	<b>885.6</b>	<b>746.2</b>	<b>667.0</b>	<b>625.7</b>	<b>592.8</b>	<b>533.8</b>
Non Spinnaker	<b>1016.4</b>	<b>824.1</b>	<b>721.6</b>	<b>662.3</b>	<b>625.9</b>	<b>602.2</b>	<b>572.4</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>41.3°</b>	<b>40.9°</b>	<b>38.6°</b>	<b>36.8°</b>	<b>36.4°</b>	<b>36.4°</b>	<b>37.5°</b>
Beat VMG	<b>3.14</b>	<b>3.73</b>	<b>4.16</b>	<b>4.39</b>	<b>4.46</b>	<b>4.48</b>	<b>4.41</b>
52°	<b>4.73</b>	<b>5.49</b>	<b>5.82</b>	<b>6.01</b>	<b>6.12</b>	<b>6.17</b>	<b>6.17</b>
60°	<b>4.97</b>	<b>5.65</b>	<b>5.94</b>	<b>6.15</b>	<b>6.32</b>	<b>6.40</b>	<b>6.44</b>
75°	<b>5.14</b>	<b>5.73</b>	<b>6.04</b>	<b>6.31</b>	<b>6.56</b>	<b>6.74</b>	<b>6.88</b>
90°	<b>5.08</b>	<b>5.73</b>	<b>6.13</b>	<b>6.48</b>	<b>6.76</b>	<b>6.92</b>	<b>7.30</b>
110°	<b>4.90</b>	<b>5.72</b>	<b>6.13</b>	<b>6.53</b>	<b>6.93</b>	<b>7.31</b>	<b>7.88</b>
120°	<b>4.72</b>	<b>5.60</b>	<b>6.03</b>	<b>6.41</b>	<b>6.80</b>	<b>7.20</b>	<b>8.09</b>
135°	<b>4.25</b>	<b>5.17</b>	<b>5.78</b>	<b>6.14</b>	<b>6.51</b>	<b>6.89</b>	<b>7.72</b>
150°	<b>3.63</b>	<b>4.56</b>	<b>5.35</b>	<b>5.85</b>	<b>6.18</b>	<b>6.53</b>	<b>7.25</b>
Run VMG	<b>3.14</b>	<b>3.95</b>	<b>4.67</b>	<b>5.34</b>	<b>5.81</b>	<b>6.14</b>	<b>6.81</b>
Gybe Angles	<b>149.0°</b>	<b>153.0°</b>	<b>156.0°</b>	<b>180.0°</b>	<b>180.0°</b>	<b>180.0°</b>	<b>180.0°</b>