



# 2020

## ORC Club Certificate Appendix

<b>BOAT</b>	
Name <b>Szélvész</b>	Certificate Number <b>011/20</b>
Sail Nr <b>HUN-3501</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>983.0</b>	<b>827.1</b>	<b>741.6</b>	<b>714.3</b>	<b>703.8</b>	<b>696.3</b>	<b>694.2</b>
52°	<b>624.2</b>	<b>548.8</b>	<b>514.4</b>	<b>502.3</b>	<b>497.3</b>	<b>495.1</b>	<b>488.7</b>
60°	<b>576.3</b>	<b>521.2</b>	<b>501.8</b>	<b>488.7</b>	<b>483.2</b>	<b>480.3</b>	<b>472.1</b>
75°	<b>537.0</b>	<b>497.8</b>	<b>482.3</b>	<b>472.8</b>	<b>461.2</b>	<b>454.8</b>	<b>449.7</b>
90°	<b>526.3</b>	<b>486.8</b>	<b>465.3</b>	<b>450.7</b>	<b>439.7</b>	<b>430.7</b>	<b>417.9</b>
110°	<b>548.6</b>	<b>497.1</b>	<b>469.9</b>	<b>444.6</b>	<b>421.9</b>	<b>403.1</b>	<b>380.0</b>
120°	<b>583.1</b>	<b>513.0</b>	<b>483.1</b>	<b>453.2</b>	<b>425.1</b>	<b>403.8</b>	<b>368.5</b>
135°	<b>686.1</b>	<b>559.6</b>	<b>503.3</b>	<b>473.3</b>	<b>444.5</b>	<b>416.8</b>	<b>358.6</b>
150°	<b>810.7</b>	<b>648.2</b>	<b>551.9</b>	<b>502.7</b>	<b>474.5</b>	<b>447.7</b>	<b>396.5</b>
Run VMG	<b>936.1</b>	<b>748.5</b>	<b>635.7</b>	<b>567.0</b>	<b>517.2</b>	<b>485.9</b>	<b>435.2</b>
<b>Selected Courses</b>							
Windward / Leeward	<b>959.5</b>	<b>787.8</b>	<b>688.6</b>	<b>640.7</b>	<b>610.5</b>	<b>591.1</b>	<b>564.7</b>
Circular Random	<b>801.9</b>	<b>657.5</b>	<b>581.9</b>	<b>538.7</b>	<b>511.9</b>	<b>493.5</b>	<b>467.7</b>
Coastal / Long Distance	<b>957.2</b>	<b>738.7</b>	<b>622.9</b>	<b>561.1</b>	<b>525.7</b>	<b>496.4</b>	<b>446.3</b>
Non Spinnaker	<b>876.8</b>	<b>707.5</b>	<b>617.0</b>	<b>564.9</b>	<b>533.0</b>	<b>511.9</b>	<b>484.5</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>45.8°</b>	<b>41.6°</b>	<b>40.1°</b>	<b>39.0°</b>	<b>39.0°</b>	<b>39.0°</b>	<b>39.8°</b>
Beat VMG	<b>3.66</b>	<b>4.35</b>	<b>4.85</b>	<b>5.04</b>	<b>5.12</b>	<b>5.17</b>	<b>5.19</b>
52°	<b>5.77</b>	<b>6.56</b>	<b>7.00</b>	<b>7.17</b>	<b>7.24</b>	<b>7.27</b>	<b>7.37</b>
60°	<b>6.25</b>	<b>6.91</b>	<b>7.17</b>	<b>7.37</b>	<b>7.45</b>	<b>7.50</b>	<b>7.63</b>
75°	<b>6.70</b>	<b>7.23</b>	<b>7.46</b>	<b>7.61</b>	<b>7.81</b>	<b>7.92</b>	<b>8.01</b>
90°	<b>6.84</b>	<b>7.40</b>	<b>7.74</b>	<b>7.99</b>	<b>8.19</b>	<b>8.36</b>	<b>8.61</b>
110°	<b>6.56</b>	<b>7.24</b>	<b>7.66</b>	<b>8.10</b>	<b>8.53</b>	<b>8.93</b>	<b>9.47</b>
120°	<b>6.17</b>	<b>7.02</b>	<b>7.45</b>	<b>7.94</b>	<b>8.47</b>	<b>8.92</b>	<b>9.77</b>
135°	<b>5.25</b>	<b>6.43</b>	<b>7.15</b>	<b>7.61</b>	<b>8.10</b>	<b>8.64</b>	<b>10.04</b>
150°	<b>4.44</b>	<b>5.55</b>	<b>6.52</b>	<b>7.16</b>	<b>7.59</b>	<b>8.04</b>	<b>9.08</b>
Run VMG	<b>3.85</b>	<b>4.81</b>	<b>5.66</b>	<b>6.35</b>	<b>6.96</b>	<b>7.41</b>	<b>8.27</b>
Gybe Angles	<b>144.5°</b>	<b>148.0°</b>	<b>152.0°</b>	<b>159.5°</b>	<b>180.0°</b>	<b>180.0°</b>	<b>180.0°</b>