



World Leader in Rating Technology

## 2018 ORC Club Certificate

### Rating Office

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



### Certificate

Number **008/18**  
Issued On **18/05/2018**  
ORC Ref **HUN10014277**  
VPP Ver. **2018 1.00**  
Valid until **31/12/2018**

### Crew Weight

Default 923kg  
Maximum **750kg**  
Minimum\* **563kg**  
*\*when applied by the NoR and SI*  
Non Manual Pwr **No**

### Special Scoring

	ToD	ToT
Non Spin GPH	<b>576.1</b>	<b>1.0415</b>
Non Spin OSN	<b>565.5</b>	<b>1.0611</b>

### Sails Limitations

Headsails 1 Spinnakers 4

**Spinnaker configuration**  
Symmetric: **Yes 265.86**  
Asymmetric: **Yes 234.45**  
Flying H/S: **Yes 87.92**  
Spin. Pole: **Yes**

### Class Division Length

**CDL = 11.320**

### Stability (Measured)

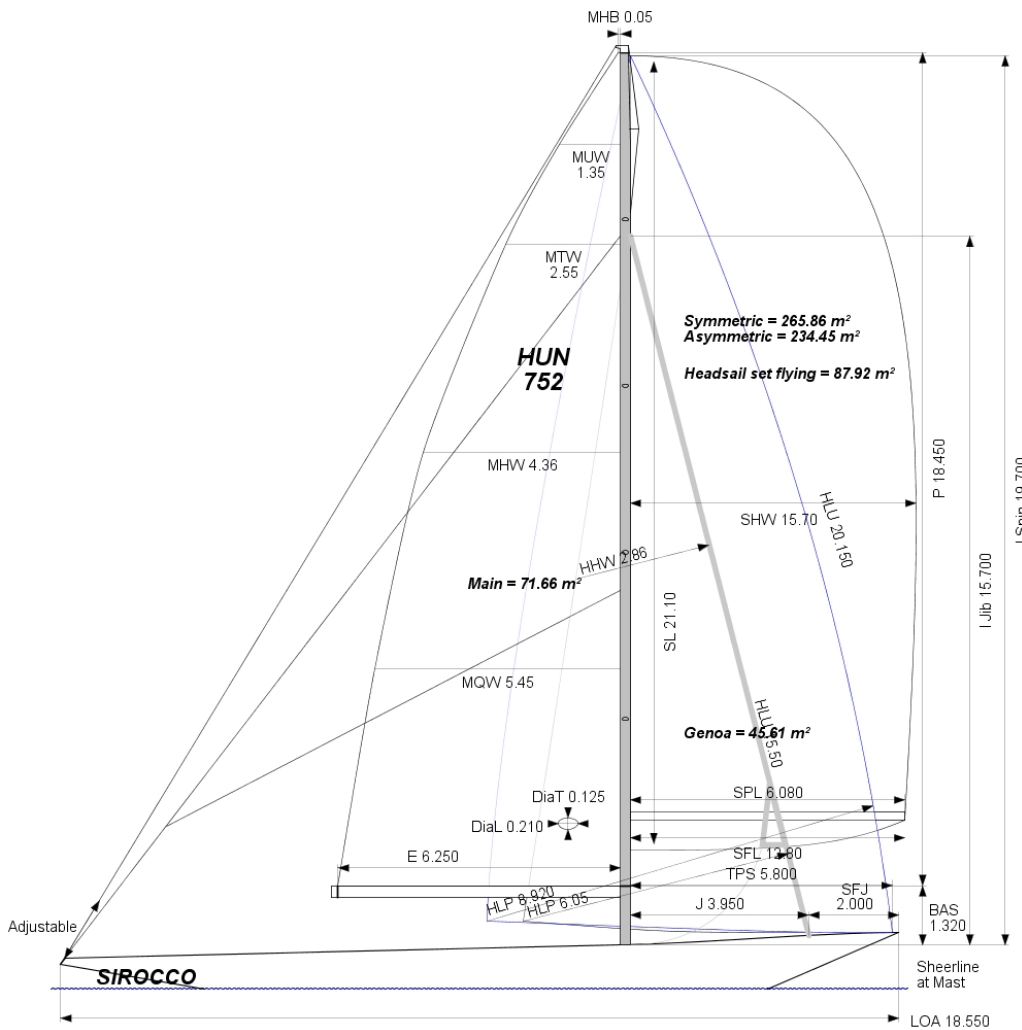
Limit Positive Stab.: **135.4°**  
Stability Index: **144.0**

### Owner

Dimenzió Ingatlan Kft.  
Fehérvári út 84/A  
1119 Budapest  
HUNGARY

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

Signature



BOAT	GPH	HULL
Name <b>Sirocco</b> Sail Nr <b>HUN 75-2</b>	<b>527.3</b>	Data File <b>HUN75-2</b> LOA <b>18.550m</b> Offset File <b>sirocco.off</b> MB <b>2.914m</b> Displacement <b>9,151kg</b> Draft <b>1.837m</b>
<b>CLASS</b> Class <b>75 Skerry Cruiser</b> Designer <b>Jenő Benacsek</b> Builder <b>Balatonfüred SY</b> Series <b>01/1943</b> Age Date <b>01/1947</b> Age Allowance <b>0.487%</b>		IMS Division <b>Cruiser/Racer</b> Dynamic All. <b>0.025%</b> Fwd Accom. <b>Yes</b> 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>
<b>COMMENTS</b>		IMSL <b>13.085m</b> VCGD <b>-0.253m</b> Sink <b>23.39kg/mm</b> RL <b>9.553m</b> VCGM <b>-0.319m</b> WS <b>36.48m²</b> LSMO <b>12.281m</b> Displacement/Length ratio <b>4.9405</b>
<b>PROPELLER</b> Installation <b>Shaft exposed</b> PRD <b>0.440</b> Type <b>Folding 2 blades</b> PBW <b>0.100</b> PIPA <b>0.0034</b>		Water Ballast <b>0</b> Trim Tab <b>No</b> BLR Index <b>0.0000</b>
		<b>CENTERBOARD</b> <b>NA</b>
<b>SCORING OPTIONS</b>		
	<b>COASTAL / LONG DISTANCE</b>	<b>WINDWARD / LEEWARD</b>
Time on Distance	<b>520.1</b>	<b>590.3</b>
Time on Time	<b>1.1536</b>	<b>1.1434</b>
Triple Number	Low Medium High	Low Medium High
Time on Distance	<b>585.4 473.4 426.4</b>	<b>769.6 593.3 521.2</b>
Time on Time	<b>1.1530 1.4258 1.5832</b>	<b>0.8771 1.1378 1.2950</b>



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## ORC Club Certificate Appendix

<b>BOAT</b>		Certificate Number	008/18
Name	<b>Sirocco</b>	Issued On	<b>18/05/2018</b>
Sail Nr	<b>HUN 75-2</b>		

<b>TIME ALLOWANCES</b>							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	<b>893.7</b>	<b>772.3</b>	<b>712.6</b>	<b>683.2</b>	<b>666.2</b>	<b>656.3</b>	<b>642.0</b>
52°	<b>568.6</b>	<b>498.9</b>	<b>463.4</b>	<b>447.8</b>	<b>439.6</b>	<b>436.0</b>	<b>426.3</b>
60°	<b>521.9</b>	<b>464.0</b>	<b>438.2</b>	<b>426.2</b>	<b>419.8</b>	<b>416.0</b>	<b>408.2</b>
75°	<b>475.3</b>	<b>431.8</b>	<b>415.7</b>	<b>404.9</b>	<b>397.4</b>	<b>392.3</b>	<b>386.7</b>
90°	<b>461.9</b>	<b>418.6</b>	<b>401.1</b>	<b>390.9</b>	<b>380.7</b>	<b>370.3</b>	<b>359.7</b>
110°	<b>502.1</b>	<b>435.7</b>	<b>409.9</b>	<b>388.6</b>	<b>370.8</b>	<b>355.5</b>	<b>337.3</b>
120°	<b>526.2</b>	<b>437.1</b>	<b>411.1</b>	<b>389.7</b>	<b>367.6</b>	<b>354.3</b>	<b>326.5</b>
135°	<b>580.4</b>	<b>454.2</b>	<b>409.9</b>	<b>384.7</b>	<b>361.8</b>	<b>345.5</b>	<b>314.5</b>
150°	<b>684.1</b>	<b>538.9</b>	<b>452.3</b>	<b>407.2</b>	<b>380.6</b>	<b>353.5</b>	<b>296.6</b>
Run VMG	<b>789.9</b>	<b>622.2</b>	<b>522.3</b>	<b>467.6</b>	<b>434.2</b>	<b>405.7</b>	<b>342.4</b>
<b>Selected Courses</b>							
Windward / Leeward	<b>841.8</b>	<b>697.3</b>	<b>617.4</b>	<b>575.4</b>	<b>550.2</b>	<b>531.0</b>	<b>492.2</b>
Circular Random	<b>708.1</b>	<b>579.9</b>	<b>512.9</b>	<b>474.7</b>	<b>450.6</b>	<b>433.7</b>	<b>408.0</b>
Coastal / Long Distance	<b>836.7</b>	<b>650.8</b>	<b>553.3</b>	<b>497.6</b>	<b>463.3</b>	<b>434.5</b>	<b>383.7</b>
Non Spinnaker	<b>803.2</b>	<b>644.3</b>	<b>558.5</b>	<b>508.0</b>	<b>476.3</b>	<b>454.9</b>	<b>426.8</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>45.4°</b>	<b>43.9°</b>	<b>43.6°</b>	<b>43.5°</b>	<b>43.4°</b>	<b>42.8°</b>	<b>43.4°</b>
Beat VMG	<b>4.03</b>	<b>4.66</b>	<b>5.05</b>	<b>5.27</b>	<b>5.40</b>	<b>5.49</b>	<b>5.61</b>
52°	<b>6.33</b>	<b>7.22</b>	<b>7.77</b>	<b>8.04</b>	<b>8.19</b>	<b>8.26</b>	<b>8.45</b>
60°	<b>6.90</b>	<b>7.76</b>	<b>8.22</b>	<b>8.45</b>	<b>8.57</b>	<b>8.65</b>	<b>8.82</b>
75°	<b>7.57</b>	<b>8.34</b>	<b>8.66</b>	<b>8.89</b>	<b>9.06</b>	<b>9.18</b>	<b>9.31</b>
90°	<b>7.79</b>	<b>8.60</b>	<b>8.97</b>	<b>9.21</b>	<b>9.46</b>	<b>9.72</b>	<b>10.01</b>
110°	<b>7.17</b>	<b>8.26</b>	<b>8.78</b>	<b>9.26</b>	<b>9.71</b>	<b>10.13</b>	<b>10.67</b>
120°	<b>6.84</b>	<b>8.24</b>	<b>8.76</b>	<b>9.24</b>	<b>9.79</b>	<b>10.16</b>	<b>11.03</b>
135°	<b>6.20</b>	<b>7.93</b>	<b>8.78</b>	<b>9.36</b>	<b>9.95</b>	<b>10.42</b>	<b>11.45</b>
150°	<b>5.26</b>	<b>6.68</b>	<b>7.96</b>	<b>8.84</b>	<b>9.46</b>	<b>10.18</b>	<b>12.14</b>
Run VMG	<b>4.56</b>	<b>5.79</b>	<b>6.89</b>	<b>7.70</b>	<b>8.29</b>	<b>8.87</b>	<b>10.51</b>
Gybe Angles	<b>143.9°</b>	<b>141.0°</b>	<b>147.5°</b>	<b>154.1°</b>	<b>159.2°</b>	<b>155.5°</b>	<b>149.6°</b>