



**ORC**

Offshore Racing Congress  
World leader in rating technology

**2020  
ORC Club  
Certificate**

**Rating Office**

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



**Certificate**

Number **005/20**  
Issued On **27/05/2020**  
ORC Ref **03880000IW8**  
VPP Ver. **2020 1.02**  
Valid until **31/12/2020**

**Crew Weight**

Default 911kg  
Maximum **900kg**  
Minimum\* **675kg**  
*\*when applied by the NoR and SI*  
Non Manual Pwr **No**

**Special Scoring**

ToD ToT  
Non Spin GPH **570.0 1.0526**  
Non Spin OSN **559.6 1.0723**

**Sails Limitations**

Headsails **6** Spinnakers **4**

**Spinnaker configuration**

Symmetric: **Yes 236.06**  
Asymmetric: **Yes 259.65**  
Flying H/S: **Yes 110.00**  
Spin. Pole: **Yes**

**Class Division Length**

**CDL = 11.492**

**Stability (Measured)**

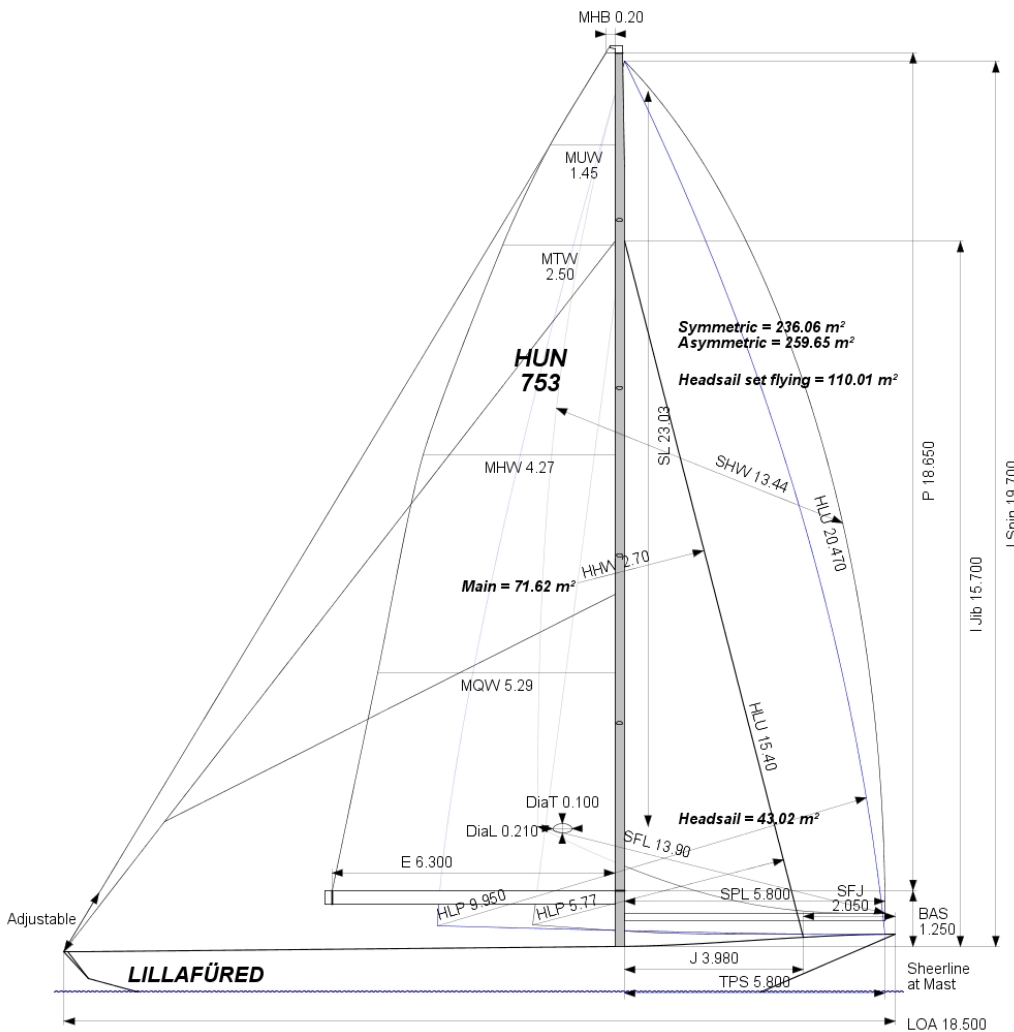
Limit Positive Stab.: **133.6°**  
Stability Index: **141.9**

**Owner**

PHOENIX 1797 Alapítvány  
1055 Budapest, Falk miksa u. 4  
18296264-2-41  
HUNGARY

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

Signature



<b>BOAT</b> Name <b>Lillafüred</b> Sail Nr <b>HUN 75-3</b>		<b>GPH</b> <b>521.4</b>	<b>HULL</b> Data File <b>HUN75-3</b> LOA <b>18.500m</b> Offset File <b>skerry75.off</b> MB <b>2.798m</b> Displacement <b>8,510kg</b> Draft <b>1.851m</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>		<b>IMS Division</b> <b>Cruiser/Racer</b> Dynamic All. <b>0.050%</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>				
<b>COMMENTS</b>		<b>IMSL</b> <b>13.059m</b> VCGD <b>-0.339m</b> Sink <b>22.88kg/mm</b> <b>RL</b> <b>9.902m</b> VCGM <b>-0.290m</b> WS <b>35.92m<sup>2</sup></b> <b>LSM0</b> <b>12.176m</b> Displacement/Length ratio <b>4.7143</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>0.0035</b>		<b>Water Ballast</b> <b>0</b> Trim Tab <b>No</b> BLR Index <b>0.0000</b>				
<b>SCORING OPTIONS</b>		<b>CENTERBOARD</b> <b>N/A</b>				
Time on Distance	<b>COASTAL / LONG DISTANCE</b>			<b>WINDWARD / LEEWARD</b>		
	<b>514.1</b>			<b>580.9</b>		
Time on Time	<b>1.1672</b>			<b>1.1620</b>		
Triple Number	Low	Medium	High	Low	Medium	High
Time on Distance	<b>578.7</b>	<b>468.2</b>	<b>421.2</b>	<b>763.4</b>	<b>585.8</b>	<b>511.3</b>
Time on Time	<b>1.1665</b>	<b>1.4417</b>	<b>1.6027</b>	<b>0.8842</b>	<b>1.1523</b>	<b>1.3202</b>

# 2020

## ORC Club Certificate Appendix

<b>BOAT</b>	
Name <b>Lillafüred</b>	Certificate Number <b>005/20</b>
Sail Nr <b>HUN 75-3</b>	Issued On <b>27/05/2020</b>

<b>TIME ALLOWANCES</b>							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	<b>896.9</b>	<b>760.5</b>	<b>701.3</b>	<b>671.0</b>	<b>655.4</b>	<b>638.2</b>	<b>628.6</b>
52°	<b>568.7</b>	<b>492.5</b>	<b>459.6</b>	<b>445.0</b>	<b>437.2</b>	<b>433.0</b>	<b>424.0</b>
60°	<b>520.3</b>	<b>462.3</b>	<b>436.4</b>	<b>425.1</b>	<b>419.1</b>	<b>415.4</b>	<b>407.1</b>
75°	<b>471.0</b>	<b>431.9</b>	<b>415.7</b>	<b>404.3</b>	<b>396.9</b>	<b>392.1</b>	<b>386.8</b>
90°	<b>450.6</b>	<b>415.2</b>	<b>400.5</b>	<b>389.7</b>	<b>378.6</b>	<b>369.6</b>	<b>359.8</b>
110°	<b>471.5</b>	<b>421.7</b>	<b>399.0</b>	<b>379.4</b>	<b>364.0</b>	<b>354.1</b>	<b>338.3</b>
120°	<b>515.7</b>	<b>434.7</b>	<b>408.6</b>	<b>386.8</b>	<b>368.2</b>	<b>352.0</b>	<b>326.9</b>
135°	<b>569.7</b>	<b>448.0</b>	<b>406.0</b>	<b>378.2</b>	<b>358.4</b>	<b>341.8</b>	<b>309.9</b>
150°	<b>677.1</b>	<b>532.0</b>	<b>449.2</b>	<b>403.2</b>	<b>376.7</b>	<b>352.8</b>	<b>289.9</b>
Run VMG	<b>781.9</b>	<b>614.2</b>	<b>518.7</b>	<b>465.0</b>	<b>431.4</b>	<b>401.0</b>	<b>334.7</b>
<b>Selected Courses</b>							
Windward / Leeward	<b>839.4</b>	<b>687.3</b>	<b>610.0</b>	<b>568.0</b>	<b>543.4</b>	<b>519.6</b>	<b>481.6</b>
Circular Random	<b>700.7</b>	<b>573.5</b>	<b>507.1</b>	<b>469.2</b>	<b>445.3</b>	<b>428.4</b>	<b>403.3</b>
Coastal / Long Distance	<b>833.7</b>	<b>642.1</b>	<b>547.6</b>	<b>492.3</b>	<b>459.4</b>	<b>429.6</b>	<b>380.8</b>
Non Spinnaker	<b>794.3</b>	<b>637.5</b>	<b>552.6</b>	<b>502.6</b>	<b>470.9</b>	<b>449.5</b>	<b>421.9</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>45.8°</b>	<b>43.5°</b>	<b>42.8°</b>	<b>42.8°</b>	<b>42.4°</b>	<b>41.6°</b>	<b>42.0°</b>
Beat VMG	<b>4.01</b>	<b>4.73</b>	<b>5.13</b>	<b>5.36</b>	<b>5.49</b>	<b>5.64</b>	<b>5.73</b>
52°	<b>6.33</b>	<b>7.31</b>	<b>7.83</b>	<b>8.09</b>	<b>8.23</b>	<b>8.31</b>	<b>8.49</b>
60°	<b>6.92</b>	<b>7.79</b>	<b>8.25</b>	<b>8.47</b>	<b>8.59</b>	<b>8.67</b>	<b>8.84</b>
75°	<b>7.64</b>	<b>8.34</b>	<b>8.66</b>	<b>8.91</b>	<b>9.07</b>	<b>9.18</b>	<b>9.31</b>
90°	<b>7.99</b>	<b>8.67</b>	<b>8.99</b>	<b>9.24</b>	<b>9.51</b>	<b>9.74</b>	<b>10.01</b>
110°	<b>7.63</b>	<b>8.54</b>	<b>9.02</b>	<b>9.49</b>	<b>9.89</b>	<b>10.17</b>	<b>10.64</b>
120°	<b>6.98</b>	<b>8.28</b>	<b>8.81</b>	<b>9.31</b>	<b>9.78</b>	<b>10.23</b>	<b>11.01</b>
135°	<b>6.32</b>	<b>8.04</b>	<b>8.87</b>	<b>9.52</b>	<b>10.05</b>	<b>10.53</b>	<b>11.62</b>
150°	<b>5.32</b>	<b>6.77</b>	<b>8.01</b>	<b>8.93</b>	<b>9.56</b>	<b>10.21</b>	<b>12.42</b>
Run VMG	<b>4.60</b>	<b>5.86</b>	<b>6.94</b>	<b>7.74</b>	<b>8.35</b>	<b>8.98</b>	<b>10.76</b>
Gybe Angles	<b>142.5°</b>	<b>140.8°</b>	<b>147.5°</b>	<b>154.0°</b>	<b>158.0°</b>	<b>154.5°</b>	<b>149.5°</b>