



**ORC**

Offshore Racing Congress  
World leader in rating technology

**2019  
ORC Club  
Certificate**

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



**Certificate**

Number **023/19**  
Issued On **12/06/2019**  
ORC Ref **HUN10025699**  
VPP Ver. **2019 1.01**  
Valid until **31/12/2019**

**Crew Weight**

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

**Special Scoring**

	ToD	ToT
Double H.GPH	<b>535.6</b>	<b>1.1203</b>
Double H.OSN	<b>529.5</b>	<b>1.1331</b>
Non Spin GPH	<b>569.8</b>	<b>1.0530</b>
Non Spin OSN	<b>559.2</b>	<b>1.0730</b>

**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 = 11.512**

**Stability (Measured)**

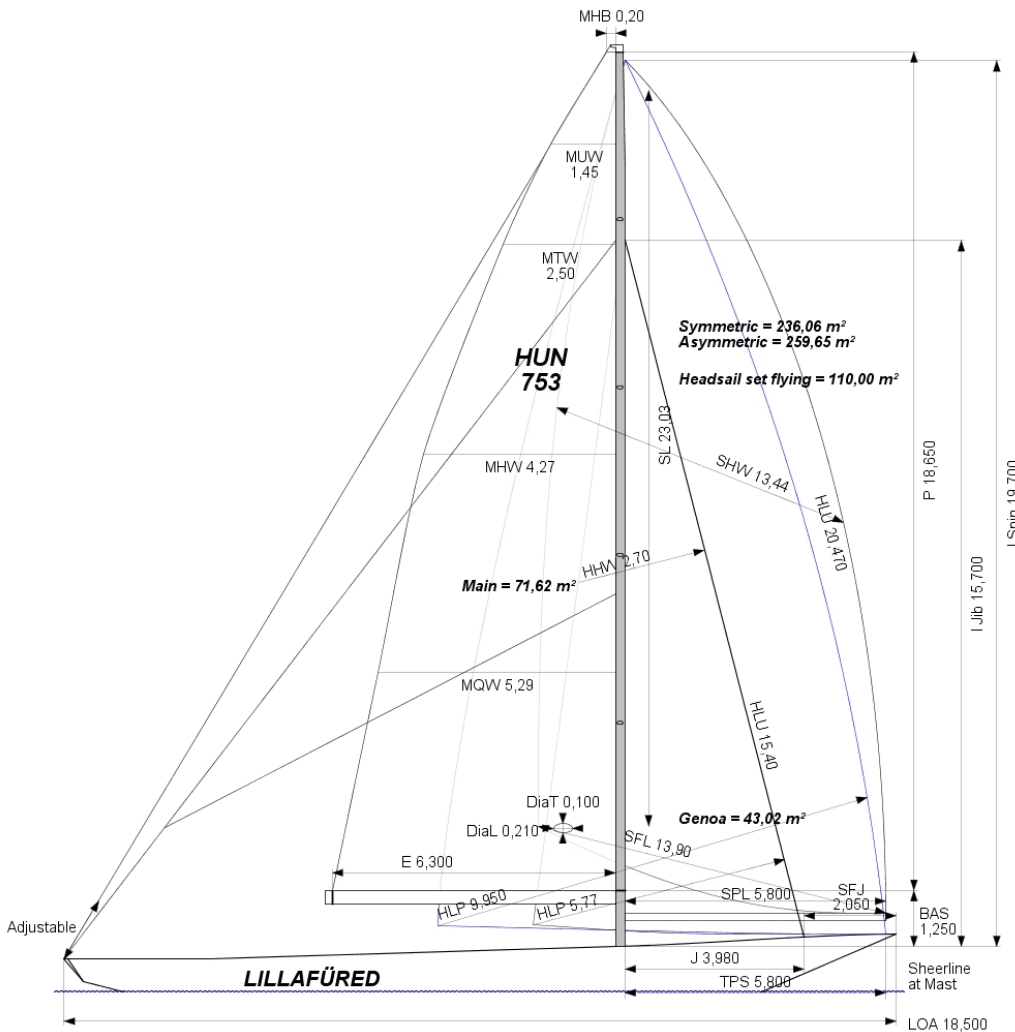
Limit Positive Stab.: **133.6°**  
Stability Index: **141.9**

**Owner**

PHOENIX 1797 Alapítvány  
1055 Budapest, Falk miksa u. 4  
HUNGARY

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

Signature



BOAT		GPH		HULL		
Name	<b>Lillafüred</b>			Data File	<b>HUN75-3</b>	
Sail Nr	<b>HUN 75-3</b>			Offset File	<b>skerry75.off</b>	
		<b>519.5</b>		Displacement	<b>8 510kg</b>	
				LOA	<b>18.500m</b>	
				MB	<b>2.798m</b>	
				Draft	<b>1.851m</b>	
<b>CLASS</b>				IMS Division	<b>Cruiser/Racer</b>	
Class	<b>75 skerry Cruiser</b>			Dynamic All.	<b>0.031%</b>	
Designer	<b>Jenő Benacsek</b>			Fwd Accom.	<b>Yes</b>	
Builder	<b>Balatonfüred SY</b>			Construction	<b>Solid</b>	
Series	<b>01/1943</b>			Fiber Rigging	<b>No</b>	
Age Date	<b>01/1947</b>			Aramid Core	<b>No</b>	
Age Allowance	<b>0.487%</b>			Carbon Rudder	<b>No</b>	
				Light Stanchions	<b>No</b>	
				IMSL	<b>13.059m</b>	
				VCGD	<b>-0.339m</b>	
				Sink	<b>22.88kg/mm</b>	
				RL	<b>9.963m</b>	
				VCGM	<b>-0.290m</b>	
				WS	<b>35.92m²</b>	
				LSM0	<b>12.176m</b>	
				Displacement/Length ratio	<b>4.7143</b>	
<b>COMMENTS</b>				Water Ballast	<b>0</b>	
				Trim Tab	<b>No</b>	
				BLR Index	<b>0.0000</b>	
<b>PROPELLER</b>				<b>CENTERBOARD</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>N/A</b>		
<b>SCORING OPTIONS</b>						
	<b>COASTAL / LONG DISTANCE</b>			<b>WINDWARD / LEEWARD</b>		
Time on Distance	<b>512.8</b>			<b>580.1</b>		
Time on Time	<b>1.1701</b>			<b>1.1635</b>		
Triple Number	Low	Medium	High	Low	Medium	High
Time on Distance	<b>575.6</b>	<b>467.3</b>	<b>419.8</b>	<b>758.9</b>	<b>584.8</b>	<b>510.2</b>
Time on Time	<b>1.1727</b>	<b>1.4446</b>	<b>1.6081</b>	<b>0.8895</b>	<b>1.1542</b>	<b>1.3231</b>

# 2019

## ORC Club Certificate Appendix

<b>BOAT</b>	
Name <b>Lillafüred</b>	Certificate Number <b>023/19</b>
Sail Nr <b>HUN 75-3</b>	Issued On <b>12/06/2019</b>

<b>TIME ALLOWANCES</b>							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	<b>878.4</b>	<b>758.6</b>	<b>699.1</b>	<b>669.0</b>	<b>652.4</b>	<b>636.7</b>	<b>626.4</b>
52°	<b>558.6</b>	<b>491.4</b>	<b>458.3</b>	<b>443.8</b>	<b>436.0</b>	<b>432.3</b>	<b>423.0</b>
60°	<b>512.8</b>	<b>459.6</b>	<b>435.4</b>	<b>424.2</b>	<b>418.1</b>	<b>414.4</b>	<b>406.1</b>
75°	<b>466.2</b>	<b>429.4</b>	<b>414.8</b>	<b>403.4</b>	<b>395.8</b>	<b>390.8</b>	<b>385.3</b>
90°	<b>448.0</b>	<b>414.3</b>	<b>400.4</b>	<b>389.6</b>	<b>377.7</b>	<b>368.1</b>	<b>358.0</b>
110°	<b>472.3</b>	<b>422.9</b>	<b>400.3</b>	<b>380.3</b>	<b>363.6</b>	<b>353.1</b>	<b>335.5</b>
120°	<b>516.0</b>	<b>434.3</b>	<b>406.1</b>	<b>379.4</b>	<b>363.0</b>	<b>349.2</b>	<b>321.7</b>
135°	<b>570.5</b>	<b>448.2</b>	<b>406.0</b>	<b>377.7</b>	<b>357.6</b>	<b>341.7</b>	<b>305.9</b>
150°	<b>678.5</b>	<b>532.6</b>	<b>449.6</b>	<b>404.4</b>	<b>376.7</b>	<b>353.0</b>	<b>289.4</b>
Run VMG	<b>783.4</b>	<b>615.0</b>	<b>519.1</b>	<b>465.2</b>	<b>431.5</b>	<b>400.9</b>	<b>334.2</b>
<b>Selected Courses</b>							
Windward / Leeward	<b>830.9</b>	<b>686.8</b>	<b>609.1</b>	<b>567.1</b>	<b>541.9</b>	<b>518.8</b>	<b>480.3</b>
Circular Random	<b>696.2</b>	<b>571.1</b>	<b>505.6</b>	<b>468.0</b>	<b>444.1</b>	<b>427.0</b>	<b>401.1</b>
Coastal / Long Distance	<b>826.2</b>	<b>641.5</b>	<b>546.6</b>	<b>490.6</b>	<b>457.5</b>	<b>428.3</b>	<b>378.5</b>
Non Spinnaker	<b>795.0</b>	<b>637.6</b>	<b>552.4</b>	<b>502.1</b>	<b>470.2</b>	<b>448.7</b>	<b>420.8</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>43.6°</b>	<b>43.0°</b>	<b>42.6°</b>	<b>42.5°</b>	<b>41.7°</b>	<b>42.1°</b>
Beat VMG	<b>4.10</b>	<b>4.75</b>	<b>5.15</b>	<b>5.38</b>	<b>5.52</b>	<b>5.65</b>	<b>5.75</b>
52°	<b>6.45</b>	<b>7.33</b>	<b>7.85</b>	<b>8.11</b>	<b>8.26</b>	<b>8.33</b>	<b>8.51</b>
60°	<b>7.02</b>	<b>7.83</b>	<b>8.27</b>	<b>8.49</b>	<b>8.61</b>	<b>8.69</b>	<b>8.87</b>
75°	<b>7.72</b>	<b>8.38</b>	<b>8.68</b>	<b>8.92</b>	<b>9.09</b>	<b>9.21</b>	<b>9.34</b>
90°	<b>8.04</b>	<b>8.69</b>	<b>8.99</b>	<b>9.24</b>	<b>9.53</b>	<b>9.78</b>	<b>10.05</b>
110°	<b>7.62</b>	<b>8.51</b>	<b>8.99</b>	<b>9.47</b>	<b>9.90</b>	<b>10.20</b>	<b>10.73</b>
120°	<b>6.98</b>	<b>8.29</b>	<b>8.86</b>	<b>9.49</b>	<b>9.92</b>	<b>10.31</b>	<b>11.19</b>
135°	<b>6.31</b>	<b>8.03</b>	<b>8.87</b>	<b>9.53</b>	<b>10.07</b>	<b>10.53</b>	<b>11.77</b>
150°	<b>5.31</b>	<b>6.76</b>	<b>8.01</b>	<b>8.90</b>	<b>9.56</b>	<b>10.20</b>	<b>12.44</b>
Run VMG	<b>4.60</b>	<b>5.85</b>	<b>6.93</b>	<b>7.74</b>	<b>8.34</b>	<b>8.98</b>	<b>10.77</b>
Gybe Angles	<b>142.5°</b>	<b>140.7°</b>	<b>147.4°</b>	<b>153.7°</b>	<b>157.3°</b>	<b>154.5°</b>	<b>149.4°</b>