



World Leader in Rating Technology

## 2018 ORC Club Certificate

### Rating Office

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



### Certificate

Number **030/18**  
Issued On **25/07/2018**  
ORC Ref **HUN10015108**  
VPP Ver. **2018 1.00**  
Valid until **31/12/2018**

### 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	<b>572.6</b>	<b>1.0479</b>
Non Spin OSN	<b>561.9</b>	<b>1.0679</b>

### Sails Limitations

Headsails 1 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 = 11.385**

### Stability (Measured)

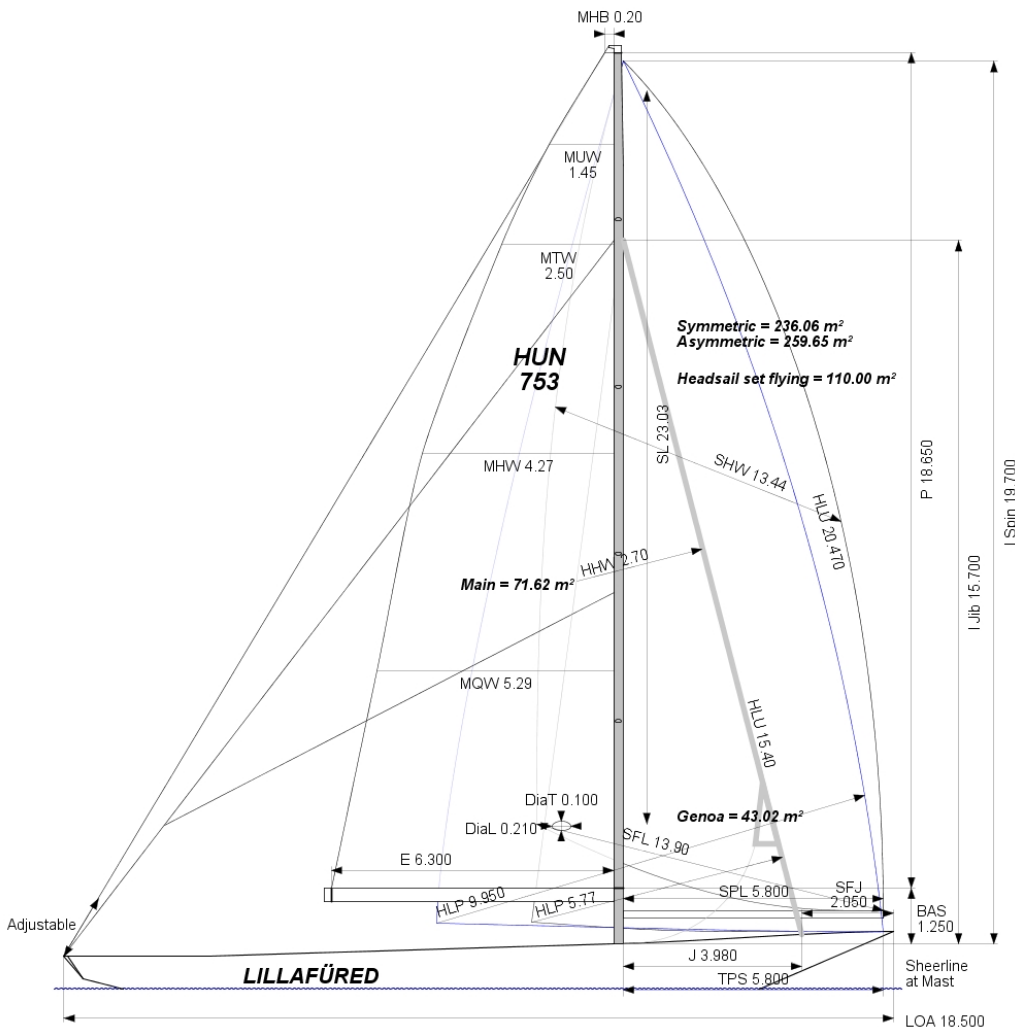
Limit Positive Stab.: **133.6°**  
Stability Index: **141.9**

### Owner

Gál & Partners Law Office  
Falk Miksa u. 4.  
1066 Budapest  
HUNGARY

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

Signature



BOAT	GPH	HULL
Name <b>Lillafüred</b> Sail Nr <b>HUN 75-3</b>	<b>521.6</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>		IMS Division <b>Cruiser/Racer</b> Dynamic All. <b>0.031%</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>13.059m</b> VCGD <b>-0.339m</b> Sink <b>22.88kg/mm</b> RL <b>9.710m</b> VCGM <b>-0.290m</b> WS <b>35.92m<sup>2</sup></b> LSMO <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>		Water Ballast <b>0</b> Trim Tab <b>No</b> BLR Index <b>0.0000</b>
		<b>CENTERBOARD</b> NA

SCORING OPTIONS	COASTAL / LONG DISTANCE			WINDWARD / LEEWARD		
	Time on Distance	<b>515.5</b>			<b>584.9</b>	
Time on Time	<b>1.1639</b>			<b>1.1540</b>		
Triple Number	Low	Medium	High	Low	Medium	High
Time on Distance	<b>576.9</b>	<b>469.3</b>	<b>422.6</b>	<b>761.4</b>	<b>589.0</b>	<b>516.2</b>
Time on Time	<b>1.1701</b>	<b>1.4382</b>	<b>1.5971</b>	<b>0.8865</b>	<b>1.1460</b>	<b>1.3076</b>



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## ORC Club Certificate Appendix

<b>BOAT</b>		Certificate Number <b>030/18</b>	
Name	<b>Lillafüred</b>	Issued On	<b>25/07/2018</b>
Sail Nr	<b>HUN 75-3</b>		

<b>TIME ALLOWANCES</b>							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	<b>880.0</b>	<b>763.1</b>	<b>705.3</b>	<b>677.6</b>	<b>662.5</b>	<b>649.2</b>	<b>639.3</b>
52°	<b>559.2</b>	<b>493.6</b>	<b>460.3</b>	<b>446.1</b>	<b>438.7</b>	<b>435.0</b>	<b>425.8</b>
60°	<b>513.1</b>	<b>460.1</b>	<b>436.4</b>	<b>425.2</b>	<b>419.3</b>	<b>415.8</b>	<b>407.5</b>
75°	<b>466.3</b>	<b>429.3</b>	<b>415.0</b>	<b>403.7</b>	<b>396.3</b>	<b>391.3</b>	<b>386.1</b>
90°	<b>448.0</b>	<b>414.2</b>	<b>399.3</b>	<b>389.6</b>	<b>377.7</b>	<b>368.1</b>	<b>358.0</b>
110°	<b>472.5</b>	<b>422.9</b>	<b>400.3</b>	<b>380.3</b>	<b>363.6</b>	<b>352.9</b>	<b>334.6</b>
120°	<b>516.2</b>	<b>434.1</b>	<b>406.1</b>	<b>379.4</b>	<b>362.6</b>	<b>349.1</b>	<b>321.0</b>
135°	<b>572.2</b>	<b>448.2</b>	<b>406.0</b>	<b>377.7</b>	<b>357.3</b>	<b>340.5</b>	<b>305.7</b>
150°	<b>680.7</b>	<b>533.9</b>	<b>450.4</b>	<b>404.7</b>	<b>376.9</b>	<b>352.8</b>	<b>289.4</b>
Run VMG	<b>786.0</b>	<b>616.5</b>	<b>520.1</b>	<b>465.7</b>	<b>431.6</b>	<b>401.1</b>	<b>334.1</b>
<b>Selected Courses</b>							
Windward / Leeward	<b>833.0</b>	<b>689.8</b>	<b>612.7</b>	<b>571.7</b>	<b>547.1</b>	<b>525.1</b>	<b>486.7</b>
Circular Random	<b>698.0</b>	<b>572.9</b>	<b>507.6</b>	<b>470.3</b>	<b>446.7</b>	<b>429.8</b>	<b>404.0</b>
Coastal / Long Distance	<b>828.3</b>	<b>644.0</b>	<b>549.1</b>	<b>493.5</b>	<b>460.2</b>	<b>431.1</b>	<b>380.0</b>
Non Spinnaker	<b>799.2</b>	<b>640.6</b>	<b>555.0</b>	<b>504.7</b>	<b>473.0</b>	<b>451.6</b>	<b>423.9</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>43.7°</b>	<b>43.3°</b>	<b>43.2°</b>	<b>43.2°</b>	<b>42.5°</b>	<b>43.0°</b>
Beat VMG	<b>4.09</b>	<b>4.72</b>	<b>5.10</b>	<b>5.31</b>	<b>5.43</b>	<b>5.55</b>	<b>5.63</b>
52°	<b>6.44</b>	<b>7.29</b>	<b>7.82</b>	<b>8.07</b>	<b>8.21</b>	<b>8.28</b>	<b>8.46</b>
60°	<b>7.02</b>	<b>7.82</b>	<b>8.25</b>	<b>8.47</b>	<b>8.58</b>	<b>8.66</b>	<b>8.83</b>
75°	<b>7.72</b>	<b>8.39</b>	<b>8.67</b>	<b>8.92</b>	<b>9.08</b>	<b>9.20</b>	<b>9.32</b>
90°	<b>8.04</b>	<b>8.69</b>	<b>9.02</b>	<b>9.24</b>	<b>9.53</b>	<b>9.78</b>	<b>10.06</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>10.76</b>
120°	<b>6.97</b>	<b>8.29</b>	<b>8.86</b>	<b>9.49</b>	<b>9.93</b>	<b>10.31</b>	<b>11.21</b>
135°	<b>6.29</b>	<b>8.03</b>	<b>8.87</b>	<b>9.53</b>	<b>10.07</b>	<b>10.57</b>	<b>11.78</b>
150°	<b>5.29</b>	<b>6.74</b>	<b>7.99</b>	<b>8.89</b>	<b>9.55</b>	<b>10.20</b>	<b>12.44</b>
Run VMG	<b>4.58</b>	<b>5.84</b>	<b>6.92</b>	<b>7.73</b>	<b>8.34</b>	<b>8.97</b>	<b>10.77</b>
Gybe Angles	<b>142.8°</b>	<b>140.3°</b>	<b>147.2°</b>	<b>153.9°</b>	<b>157.5°</b>	<b>154.5°</b>	<b>149.4°</b>