



**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 **012/20**  
Issued On **18/06/2020**  
ORC Ref **03880000KW9**  
VPP Ver. **2020 1.02**  
Valid until **31/12/2020**

**Crew Weight**

Default 728kg  
Maximum **480kg**  
Minimum\* **360kg**  
*\*when applied by the NoR and SI*  
Non Manual Pwr **No**

**Special Scoring**

ToD ToT  
Non Spin GPH **634.3 0.9459**  
Non Spin OSN **618.9 0.9694**

**Sails Limitations**

Headsails **1** Spinnakers **4**

**Spinnaker configuration**

Symmetric: **Yes 72.59**  
Asymmetric: **No**  
Flying H/S: **No**  
Spin. Pole: **Yes**

**Class Division Length**

**CDL = 9.636**

**Stability (Measured)**

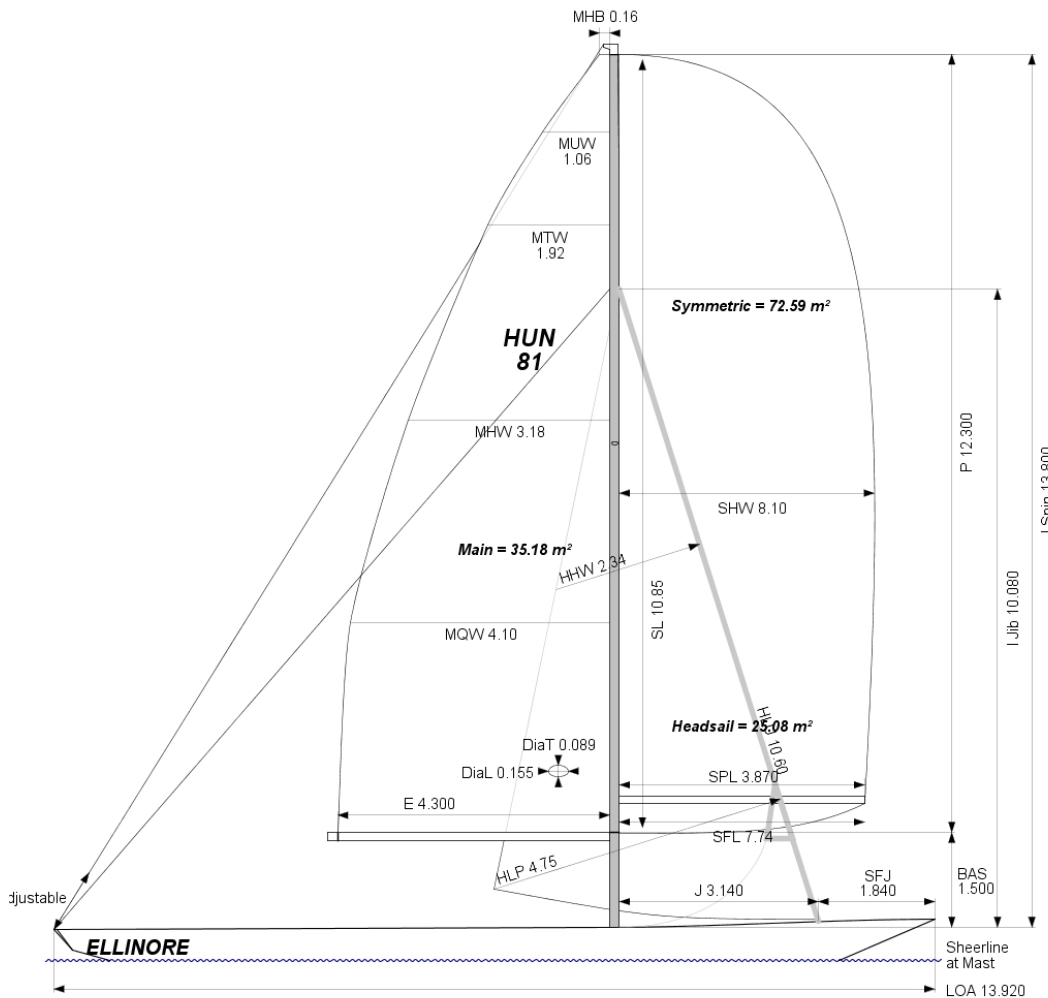
Limit Positive Stab.: **121.3°**  
Stability Index: **126.8**

**Owner**

Gellér László  
Honfoglalás u. 64  
1221 Budapest  
HUNGARY

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

Signature



<b>BOAT</b> Name <b>Ellinore</b> Sail Nr <b>HUN-81</b>		<b>GPH</b> <b>597.5</b>	<b>HULL</b> Data File <b>HUN 40-81</b> LOA <b>13.920m</b> Offset File <b>ellinor.off</b> MB <b>2.024m</b> Displacement <b>3,649kg</b> Draft <b>1.602m</b>						
<b>CLASS</b> Class <b>40 Skerry Cruiser</b> Designer Builder <b>Sweden</b> Series <b>01/1922</b> Age Date <b>01/1922</b> Age Allowance <b>0.487%</b>			IMS Division <b>Cruiser/Racer</b> Dynamic All. <b>0.271%</b> Plan Review Construction <b>Solid</b> Fiber Rigging <b>Yes</b> Aramid Core <b>No</b> Crew Arm Ex Carbon Rudder <b>No</b> Light Stanchions <b>No</b>						
<b>COMMENTS</b> PAUGER CARBON MAST FIBER RIG ELECTRIC ENGINE			IMSL <b>11.332m</b> VCGD <b>-0.336m</b> Sink <b>14.44kg/mm</b> RL <b>7.982m</b> VCGM <b>-0.291m</b> WS <b>22.70m²</b> LSM0 <b>10.402m</b> Displacement/Length ratio <b>3.2421</b>						
<b>PROPELLER</b> Installation <b>Strut</b> PRD <b>0.260</b> Type <b>Feathering 3 blades</b> PBW <b>0.080</b> PIPA <b>0.0035</b>			Water Ballast Trim Tab <b>No</b> BLR Index <b>0.0000</b>						
<b>SCORING OPTIONS</b>			<b>CENTERBOARD</b>  <b>N/A</b>						
	<b>COASTAL / LONG DISTANCE</b>			<b>WINDWARD / LEEWARD</b>					
Time on Distance	<b>581.9</b>			<b>664.9</b>					
Time on Time	<b>1.0311</b>			<b>1.0152</b>					
Triple Number	Low	Medium	High	Low	Medium	High			
Time on Distance	<b>690.5</b>	<b>526.5</b>	<b>466.8</b>	<b>907.7</b>	<b>668.6</b>	<b>581.3</b>			
Time on Time	<b>0.9776</b>	<b>1.2821</b>	<b>1.4459</b>	<b>0.7436</b>	<b>1.0096</b>	<b>1.1611</b>			

# 2020

## ORC Club Certificate Appendix

<b>BOAT</b>	
Name <b>Ellinore</b>	Certificate Number <b>012/20</b>
Sail Nr <b>HUN-81</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>1049.0</b>	<b>849.1</b>	<b>777.7</b>	<b>747.4</b>	<b>732.5</b>	<b>723.8</b>	<b>708.9</b>
52°	<b>672.4</b>	<b>550.1</b>	<b>507.3</b>	<b>490.2</b>	<b>481.3</b>	<b>477.5</b>	<b>465.9</b>
60°	<b>625.4</b>	<b>514.7</b>	<b>477.6</b>	<b>464.0</b>	<b>457.1</b>	<b>453.5</b>	<b>443.5</b>
75°	<b>588.0</b>	<b>487.5</b>	<b>451.9</b>	<b>438.1</b>	<b>430.1</b>	<b>424.8</b>	<b>416.0</b>
90°	<b>592.6</b>	<b>487.8</b>	<b>446.6</b>	<b>423.3</b>	<b>407.1</b>	<b>397.4</b>	<b>387.2</b>
110°	<b>607.0</b>	<b>487.8</b>	<b>447.2</b>	<b>427.2</b>	<b>409.3</b>	<b>391.6</b>	<b>356.1</b>
120°	<b>625.2</b>	<b>496.4</b>	<b>443.4</b>	<b>416.0</b>	<b>396.7</b>	<b>380.2</b>	<b>348.0</b>
135°	<b>704.6</b>	<b>548.1</b>	<b>466.6</b>	<b>429.9</b>	<b>395.8</b>	<b>364.4</b>	<b>321.0</b>
150°	<b>846.2</b>	<b>654.3</b>	<b>539.9</b>	<b>471.0</b>	<b>434.4</b>	<b>402.1</b>	<b>341.6</b>
Run VMG	<b>977.1</b>	<b>755.5</b>	<b>623.4</b>	<b>542.5</b>	<b>493.0</b>	<b>455.1</b>	<b>395.6</b>
<b>Selected Courses</b>							
Windward / Leeward	<b>1013.1</b>	<b>802.3</b>	<b>700.5</b>	<b>645.0</b>	<b>612.8</b>	<b>589.4</b>	<b>552.3</b>
Circular Random	<b>832.2</b>	<b>666.6</b>	<b>578.7</b>	<b>528.3</b>	<b>497.2</b>	<b>475.9</b>	<b>445.6</b>
Coastal / Long Distance	<b>1009.5</b>	<b>749.5</b>	<b>623.2</b>	<b>550.6</b>	<b>510.2</b>	<b>476.9</b>	<b>419.9</b>
Non Spinnaker	<b>900.7</b>	<b>714.6</b>	<b>613.5</b>	<b>554.0</b>	<b>516.6</b>	<b>491.4</b>	<b>457.8</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>45.0°</b>	<b>43.5°</b>	<b>42.8°</b>	<b>42.8°</b>	<b>42.8°</b>	<b>42.8°</b>	<b>43.3°</b>
Beat VMG	<b>3.43</b>	<b>4.24</b>	<b>4.63</b>	<b>4.82</b>	<b>4.91</b>	<b>4.97</b>	<b>5.08</b>
52°	<b>5.35</b>	<b>6.54</b>	<b>7.10</b>	<b>7.34</b>	<b>7.48</b>	<b>7.54</b>	<b>7.73</b>
60°	<b>5.76</b>	<b>6.99</b>	<b>7.54</b>	<b>7.76</b>	<b>7.88</b>	<b>7.94</b>	<b>8.12</b>
75°	<b>6.12</b>	<b>7.38</b>	<b>7.97</b>	<b>8.22</b>	<b>8.37</b>	<b>8.48</b>	<b>8.65</b>
90°	<b>6.08</b>	<b>7.38</b>	<b>8.06</b>	<b>8.50</b>	<b>8.84</b>	<b>9.06</b>	<b>9.30</b>
110°	<b>5.93</b>	<b>7.38</b>	<b>8.05</b>	<b>8.43</b>	<b>8.80</b>	<b>9.19</b>	<b>10.11</b>
120°	<b>5.76</b>	<b>7.25</b>	<b>8.12</b>	<b>8.65</b>	<b>9.08</b>	<b>9.47</b>	<b>10.35</b>
135°	<b>5.11</b>	<b>6.57</b>	<b>7.71</b>	<b>8.37</b>	<b>9.10</b>	<b>9.88</b>	<b>11.21</b>
150°	<b>4.25</b>	<b>5.50</b>	<b>6.67</b>	<b>7.64</b>	<b>8.29</b>	<b>8.95</b>	<b>10.54</b>
Run VMG	<b>3.68</b>	<b>4.76</b>	<b>5.77</b>	<b>6.64</b>	<b>7.30</b>	<b>7.91</b>	<b>9.10</b>
Gybe Angles	<b>140.0°</b>	<b>144.0°</b>	<b>146.0°</b>	<b>152.0°</b>	<b>159.0°</b>	<b>180.0°</b>	<b>179.8°</b>