



**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 **013/20**  
Issued On **19/06/2020**  
ORC Ref **03880000L1L**  
VPP Ver. **2020 1.02**  
Valid until **31/12/2020**

**Crew Weight**

Default 934kg  
Maximum **900kg**  
Minimum\* **675kg**  
*\*when applied by the NoR and SI*  
Non Manual Pwr **No**

**Special Scoring**

ToD ToT  
Non Spin GPH **576.1 1.0415**  
Non Spin OSN **564.1 1.0637**

**Sails Limitations**

Headsails **1** Spinnakers **5**

**Spinnaker configuration**

Symmetric: **Yes 236.06**  
Asymmetric: **No**  
Flying H/S: **Yes 86.49**  
Spin. Pole: **Yes**

**Class Division Length**

**CDL = 11.597**

**Stability (Measured)**

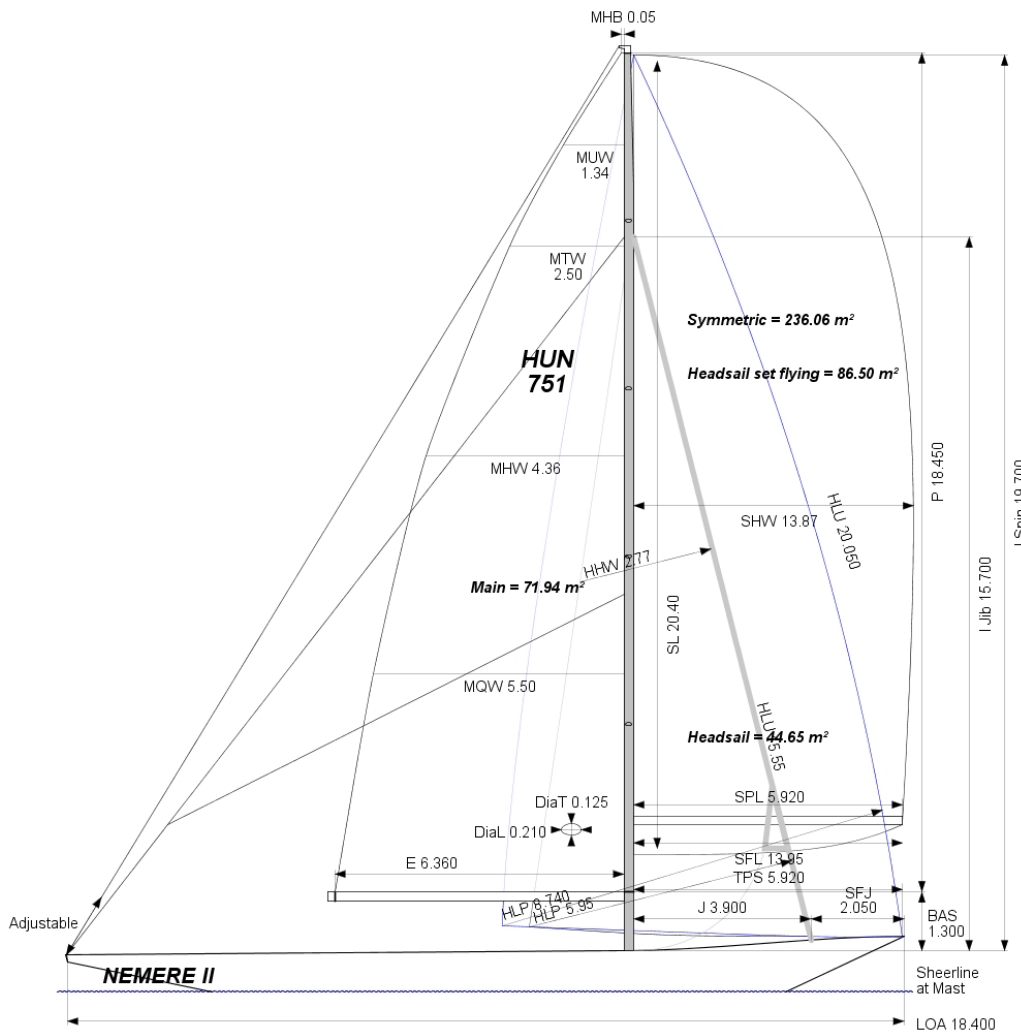
Limit Positive Stab.: **135.7°**  
Stability Index: **144.5**

**Owner**

Robert Láng  
Belgrád rakpart 12.  
1056 Budapest  
HUNGARY

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

Signature



<b>BOAT</b>		<b>GPH</b>		<b>HULL</b>		
Name <b>Nemere II</b> Sail Nr <b>HUN 75-1</b>		<b>528.2</b>		Data File <b>HUN 75-1</b>	LOA <b>18.400m</b>	
				Offset File <b>nemere2.off</b>	MB <b>2.830m</b>	
				Displacement <b>9,910kg</b>	Draft <b>1.901m</b>	
<b>CLASS</b>				IMS Division <b>Cruiser/Racer</b>	Dynamic All. <b>0.100%</b>	
Class <b>75 skerry Cruiser</b>				Plan Review	Construction <b>Solid</b>	
Designer <b>Jenő Benacsek</b>				Fiber Rigging <b>No</b>	Aramid Core <b>No</b>	
Builder <b>Balatonfüred SY</b>				Crew Arm Ex	Carbon Rudder <b>No</b>	
Series <b>01/1943</b>					Light Stanchions <b>No</b>	
Age Date <b>01/1947</b>				IMSL <b>13.211m</b>	VCGD <b>-0.447m</b>	Sink <b>23.88kg/mm</b>
Age Allowance <b>0.487%</b>				RL <b>9.969m</b>	VCGM <b>-0.325m</b>	WS <b>37.64m²</b>
<b>COMMENTS</b>				LSM0 <b>12.386m</b>	Displacement/Length ratio <b>5.2153</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>			<b>N/A</b>		
Type <b>Folding 2 blades</b>	PBW <b>0.100</b>					
	PIPA <b>0.0041</b>					
<b>SCORING OPTIONS</b>						
	<b>COASTAL / LONG DISTANCE</b>			<b>WINDWARD / LEEWARD</b>		
Time on Distance	<b>520.4</b>			<b>588.6</b>		
Time on Time	<b>1.1530</b>			<b>1.1468</b>		
Triple Number	Low	Medium	High	Low	Medium	High
Time on Distance	<b>591.0</b>	<b>472.6</b>	<b>425.3</b>	<b>776.2</b>	<b>591.1</b>	<b>518.1</b>
Time on Time	<b>1.1422</b>	<b>1.4282</b>	<b>1.5873</b>	<b>0.8696</b>	<b>1.1419</b>	<b>1.3029</b>

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## ORC Club Certificate Appendix

<b>BOAT</b>	
Name	<b>Nemere II</b>
Certificate Number	<b>013/20</b>
Sail Nr	<b>HUN 75-1</b>
Issued On	<b>19/06/2020</b>

<b>TIME ALLOWANCES</b>							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	<b>887.9</b>	<b>762.8</b>	<b>700.3</b>	<b>668.8</b>	<b>649.9</b>	<b>639.9</b>	<b>619.9</b>
52°	<b>564.2</b>	<b>490.5</b>	<b>457.2</b>	<b>441.3</b>	<b>432.1</b>	<b>428.4</b>	<b>419.2</b>
60°	<b>519.5</b>	<b>456.8</b>	<b>434.0</b>	<b>421.8</b>	<b>414.4</b>	<b>410.9</b>	<b>404.2</b>
75°	<b>480.2</b>	<b>428.7</b>	<b>412.0</b>	<b>401.7</b>	<b>394.2</b>	<b>388.7</b>	<b>382.5</b>
90°	<b>474.1</b>	<b>422.0</b>	<b>400.6</b>	<b>389.2</b>	<b>381.5</b>	<b>369.4</b>	<b>357.5</b>
110°	<b>522.8</b>	<b>444.0</b>	<b>415.4</b>	<b>397.0</b>	<b>380.0</b>	<b>363.4</b>	<b>345.0</b>
120°	<b>539.4</b>	<b>442.2</b>	<b>413.7</b>	<b>397.8</b>	<b>381.0</b>	<b>366.0</b>	<b>342.3</b>
135°	<b>595.2</b>	<b>464.2</b>	<b>414.6</b>	<b>387.7</b>	<b>366.2</b>	<b>351.2</b>	<b>324.3</b>
150°	<b>704.2</b>	<b>555.2</b>	<b>462.0</b>	<b>412.7</b>	<b>389.7</b>	<b>364.5</b>	<b>314.2</b>
Run VMG	<b>813.2</b>	<b>641.1</b>	<b>533.5</b>	<b>475.1</b>	<b>440.8</b>	<b>413.5</b>	<b>362.8</b>
<b>Selected Courses</b>							
Windward / Leeward	<b>850.5</b>	<b>701.9</b>	<b>616.9</b>	<b>572.0</b>	<b>545.4</b>	<b>526.7</b>	<b>491.3</b>
Circular Random	<b>713.8</b>	<b>582.4</b>	<b>513.5</b>	<b>474.0</b>	<b>449.5</b>	<b>432.6</b>	<b>408.7</b>
Coastal / Long Distance	<b>846.8</b>	<b>655.4</b>	<b>552.9</b>	<b>495.7</b>	<b>462.9</b>	<b>434.8</b>	<b>387.8</b>
Non Spinnaker	<b>807.6</b>	<b>645.9</b>	<b>558.1</b>	<b>506.2</b>	<b>473.5</b>	<b>451.4</b>	<b>422.3</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>44.3°</b>	<b>43.1°</b>	<b>43.5°</b>	<b>42.4°</b>	<b>41.6°</b>	<b>41.9°</b>
Beat VMG	<b>4.05</b>	<b>4.72</b>	<b>5.14</b>	<b>5.38</b>	<b>5.54</b>	<b>5.63</b>	<b>5.81</b>
52°	<b>6.38</b>	<b>7.34</b>	<b>7.87</b>	<b>8.16</b>	<b>8.33</b>	<b>8.40</b>	<b>8.59</b>
60°	<b>6.93</b>	<b>7.88</b>	<b>8.29</b>	<b>8.53</b>	<b>8.69</b>	<b>8.76</b>	<b>8.91</b>
75°	<b>7.50</b>	<b>8.40</b>	<b>8.74</b>	<b>8.96</b>	<b>9.13</b>	<b>9.26</b>	<b>9.41</b>
90°	<b>7.59</b>	<b>8.53</b>	<b>8.99</b>	<b>9.25</b>	<b>9.44</b>	<b>9.75</b>	<b>10.07</b>
110°	<b>6.89</b>	<b>8.11</b>	<b>8.67</b>	<b>9.07</b>	<b>9.47</b>	<b>9.91</b>	<b>10.43</b>
120°	<b>6.67</b>	<b>8.14</b>	<b>8.70</b>	<b>9.05</b>	<b>9.45</b>	<b>9.84</b>	<b>10.52</b>
135°	<b>6.05</b>	<b>7.76</b>	<b>8.68</b>	<b>9.29</b>	<b>9.83</b>	<b>10.25</b>	<b>11.10</b>
150°	<b>5.11</b>	<b>6.48</b>	<b>7.79</b>	<b>8.72</b>	<b>9.24</b>	<b>9.88</b>	<b>11.46</b>
Run VMG	<b>4.43</b>	<b>5.62</b>	<b>6.75</b>	<b>7.58</b>	<b>8.17</b>	<b>8.71</b>	<b>9.92</b>
Gybe Angles	<b>143.5°</b>	<b>140.5°</b>	<b>146.5°</b>	<b>153.5°</b>	<b>160.5°</b>	<b>180.0°</b>	<b>150.0°</b>