



World Leader in Rating Technology

## 2016 ORC Club Certificate

### Rating Office

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



### Certificate

Number **020/16**  
Issued On **5.5.2016.**  
ORC Ref **HUN00062845**  
VPP Ver. **2016 1.01**  
Valid until **31.12.2016.**

### Crew Weight

Declared **962kg**  
Default\* **962kg**  
Non Manual Pwr **No**

### Special Scoring

ToD ToT  
Non Spin GPH **598.0 1.0033**  
Non Spin OSN **587.8 1.0207**  
N/S Perf. Line **-4.5 0.625**

### Sails Limitations

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

### Spinnaker configuration

Symmetric: **Yes 236.06**  
Asymmetric: **No**  
Flying H/S: **Yes 86.41**  
Spin. Pole: **Yes**

### Class Division Length

CDL = **10.867**

### Stability

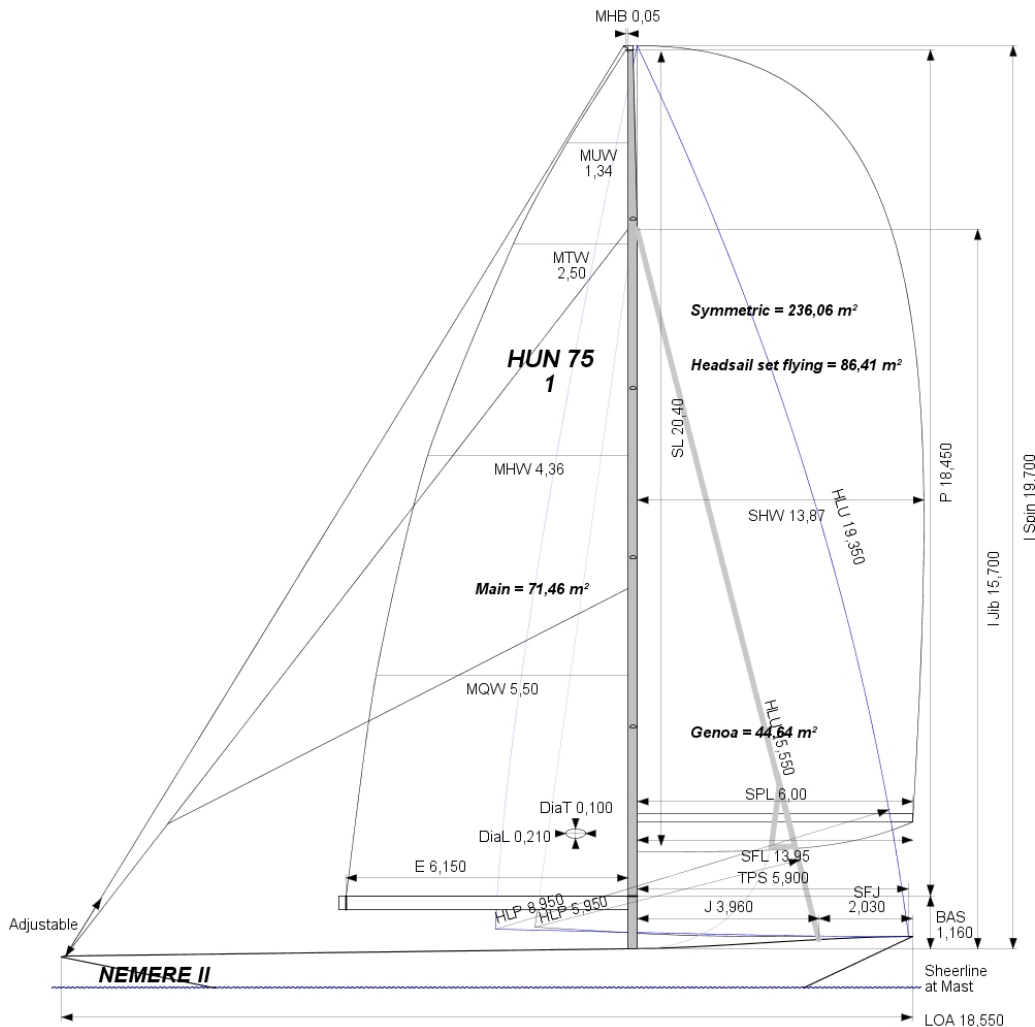
LPS (Estimated): **110.1°**  
Stability Index: **119.2**  
OSR Category: **N/A**

### 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>553.7</b>		Data File <b>HUN 75-1.dxt</b>	LOA <b>18.550m</b>	Offset File <b>nemere2.off</b>	
				Displacement <b>10,639kg</b>	MB <b>2.830m</b>	Draft <b>1.928m</b>	
<b>CLASS</b>				IMS Division <b>Cruiser/Racer</b>	Dynamic All. <b>0.144%</b>	Fwd Accom. <b>Yes</b>	
Class <b>75 skerry Cruiser</b>				Fiber Rigging <b>No</b>	Construction <b>Solid</b>	Aramid Core <b>No</b>	
Designer <b>Jenő Benacsek</b>				Crew Arm Ex	Carbon Rudder <b>No</b>	Light Stanchions <b>No</b>	
Builder <b>Balatonfüred SY</b>				IMSL <b>13.415m</b>	VCGD <b>-0.100m</b>	Sink <b>24.52kg/mm</b>	
Series <b>01.1943</b>				RL <b>8.318m</b>	VCGM <b>-0.010m</b>	WS <b>38.72m<sup>2</sup></b>	
Age Date <b>01.1947</b>				LSM0 <b>12.648m</b>	Displacement/Length ratio <b>5.2582</b>		
Age Allowance <b>0.487%</b>				Water Ballast <b>0</b> Trim Tab <b>No</b>			
<b>COMMENTS</b>				<b>CENTERBOARD</b>			
				N/A			
<b>PROPELLER</b>				<b>SCORING OPTIONS</b>			
Installation <b>Shaft exposed</b>	PRD <b>0.440</b>			<b>OFFSHORE</b>		<b>INSHORE</b>	
Type <b>Folding 2 blades</b>	PBW <b>0.100</b>			<b>COASTAL / LONG DISTANCE</b>		<b>WINDWARD / LEEWARD</b>	
	PIPA <b>0.0037</b>						
Time On Distance	<b>546.2</b>				<b>623.2</b>		
Time On Time	<b>1.0985</b>				<b>1.0831</b>		
Performance Line	PLT <b>0.763</b>	PLD <b>46.4</b>	PLT <b>1.050</b>	PLD <b>287.0</b>			
Triple Number	Low <b>1.0841</b>	Medium <b>1.3655</b>	High <b>1.5171</b>	Low <b>0.8143</b>	Medium <b>1.0748</b>	High <b>1.2302</b>	



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# 2016

## ORC Club Certificate Appendix

BOAT	
Name	<b>Nemere II</b>
Certificate Number	<b>020/16</b>
Sail Nr	<b>HUN 75-1</b>
Issued On	<b>5.5.2016.</b>

TIME ALLOWANCES							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	<b>987.9</b>	<b>837.4</b>	<b>770.0</b>	<b>732.1</b>	<b>712.2</b>	<b>691.2</b>	<b>676.4</b>
52°	<b>621.2</b>	<b>535.5</b>	<b>494.6</b>	<b>472.4</b>	<b>460.1</b>	<b>449.8</b>	<b>438.6</b>
60°	<b>564.6</b>	<b>492.1</b>	<b>457.2</b>	<b>440.6</b>	<b>431.2</b>	<b>425.9</b>	<b>415.0</b>
75°	<b>502.7</b>	<b>447.2</b>	<b>422.0</b>	<b>410.3</b>	<b>403.7</b>	<b>399.6</b>	<b>392.4</b>
90°	<b>476.9</b>	<b>425.3</b>	<b>408.6</b>	<b>395.0</b>	<b>387.1</b>	<b>381.9</b>	<b>376.9</b>
110°	<b>511.3</b>	<b>437.6</b>	<b>409.6</b>	<b>388.9</b>	<b>377.5</b>	<b>369.0</b>	<b>353.7</b>
120°	<b>545.3</b>	<b>456.2</b>	<b>417.3</b>	<b>395.3</b>	<b>381.8</b>	<b>365.5</b>	<b>347.0</b>
135°	<b>608.6</b>	<b>473.2</b>	<b>416.9</b>	<b>396.7</b>	<b>382.0</b>	<b>368.7</b>	<b>338.8</b>
150°	<b>721.5</b>	<b>569.2</b>	<b>471.1</b>	<b>418.5</b>	<b>394.1</b>	<b>370.7</b>	<b>323.1</b>
Run VMG	<b>833.1</b>	<b>657.2</b>	<b>544.0</b>	<b>480.7</b>	<b>444.5</b>	<b>416.2</b>	<b>371.4</b>

Selected Courses							
Windward / Leeward	<b>910.5</b>	<b>747.3</b>	<b>657.0</b>	<b>606.4</b>	<b>578.4</b>	<b>553.7</b>	<b>523.9</b>
Circular Random	<b>751.1</b>	<b>611.5</b>	<b>538.0</b>	<b>495.9</b>	<b>470.0</b>	<b>452.6</b>	<b>429.4</b>
Ocean for PCS	<b>939.9</b>	<b>729.6</b>	<b>611.2</b>	<b>538.1</b>	<b>489.4</b>	<b>454.3</b>	<b>403.8</b>
Non Spinnaker	<b>835.8</b>	<b>669.7</b>	<b>579.5</b>	<b>526.3</b>	<b>492.8</b>	<b>470.5</b>	<b>442.7</b>

Velocity Prediction in Knots for True Wind Speeds							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat Angles	<b>46.9°</b>	<b>44.6°</b>	<b>43.9°</b>	<b>43.6°</b>	<b>43.8°</b>	<b>43.7°</b>	<b>44.4°</b>
Beat VMG	<b>3.64</b>	<b>4.30</b>	<b>4.68</b>	<b>4.92</b>	<b>5.05</b>	<b>5.21</b>	<b>5.32</b>
52°	<b>5.80</b>	<b>6.72</b>	<b>7.28</b>	<b>7.62</b>	<b>7.83</b>	<b>8.00</b>	<b>8.21</b>
60°	<b>6.38</b>	<b>7.32</b>	<b>7.87</b>	<b>8.17</b>	<b>8.35</b>	<b>8.45</b>	<b>8.67</b>
75°	<b>7.16</b>	<b>8.05</b>	<b>8.53</b>	<b>8.77</b>	<b>8.92</b>	<b>9.01</b>	<b>9.17</b>
90°	<b>7.55</b>	<b>8.46</b>	<b>8.81</b>	<b>9.11</b>	<b>9.30</b>	<b>9.43</b>	<b>9.55</b>
110°	<b>7.04</b>	<b>8.23</b>	<b>8.79</b>	<b>9.26</b>	<b>9.54</b>	<b>9.76</b>	<b>10.18</b>
120°	<b>6.60</b>	<b>7.89</b>	<b>8.63</b>	<b>9.11</b>	<b>9.43</b>	<b>9.85</b>	<b>10.37</b>
135°	<b>5.92</b>	<b>7.61</b>	<b>8.64</b>	<b>9.07</b>	<b>9.42</b>	<b>9.76</b>	<b>10.63</b>
150°	<b>4.99</b>	<b>6.33</b>	<b>7.64</b>	<b>8.60</b>	<b>9.14</b>	<b>9.71</b>	<b>11.14</b>
Run VMG	<b>4.32</b>	<b>5.48</b>	<b>6.62</b>	<b>7.49</b>	<b>8.10</b>	<b>8.65</b>	<b>9.69</b>
Gybe Angles	<b>143.3°</b>	<b>144.8°</b>	<b>145.6°</b>	<b>152.9°</b>	<b>160.3°</b>	<b>180.0°</b>	<b>180.0°</b>