



World Leader in Rating Technology

## 2016 ORC Club Certificate

### Rating Office

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



### Certificate

Number **025/16**  
Issued On **10.5.2016.**  
ORC Ref **HUN00062895**  
VPP Ver. **2016 1.01**  
Valid until **31.12.2016.**

### Crew Weight

Declared **350kg**  
Default\* **797kg**  
Non Manual Pwr

### Special Scoring

	ToD	ToT
Non Spin GPH	<b>694.3</b>	<b>0.8642</b>
Non Spin OSN	<b>673.9</b>	<b>0.8903</b>
N/S Perf. Line	<b>-36.6</b>	<b>0.501</b>

### Sails Limitations

Headsails **1** Spinnakers **3**  
**Dacron Sails**

**Spinnaker configuration**  
Symmetric: **Yes** **87.73**  
Asymmetric: **No**  
Flying H/S: **No**  
Spin. Pole: **Yes**

### Class Division Length

CDL = **9.194**

### Stability

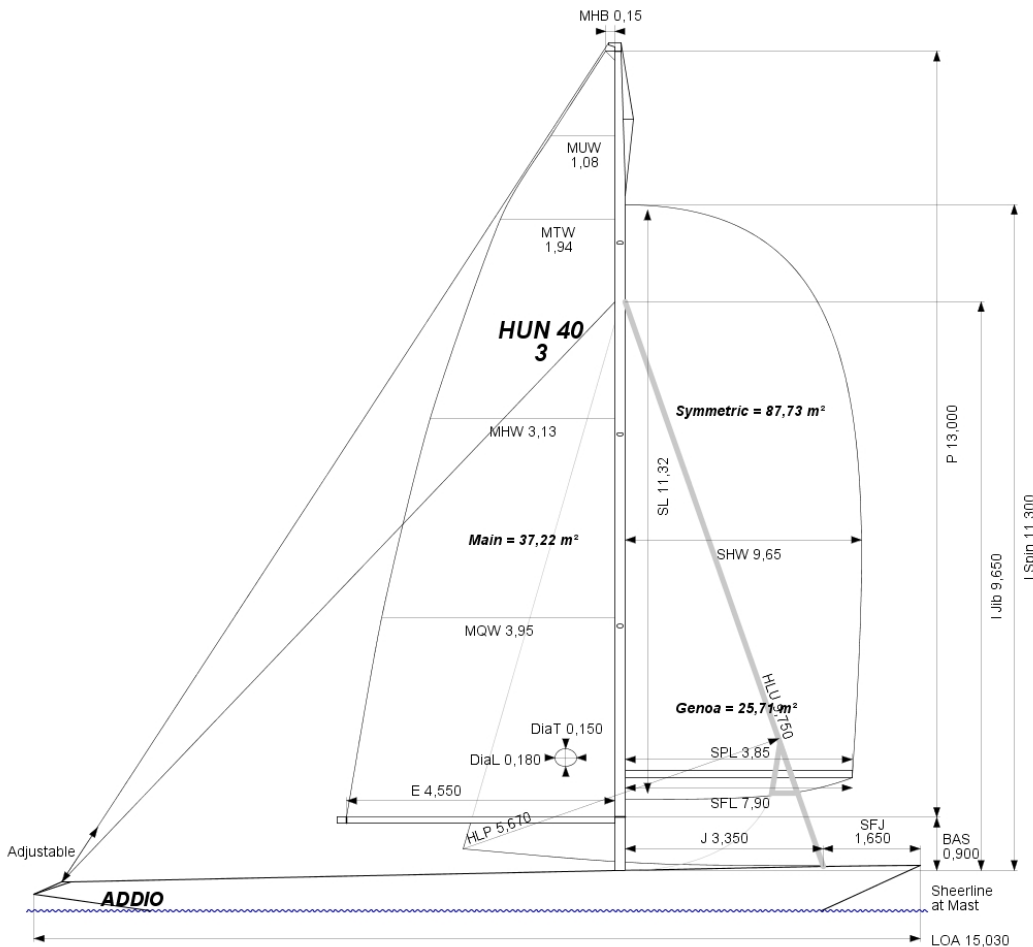
LPS (Estimated): **104.4°**  
Stability Index: **111.3**  
OSR Category: **N/A**

### Owner

Ervin Vásárhelyi  
HUNGARY

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

Signature



BOAT		GPH		HULL			
Name	<b>Addio</b>			Data File	<b>HUN 40-3.dxt</b>	LOA	<b>15.030m</b>
Sail Nr	<b>HUN 40-3</b>			Offset File	<b>ADDIO2.OFF</b>	MB	<b>2.312m</b>
			<b>655.1</b>	Displacement	<b>5,899kg</b>	Draft	<b>1.707m</b>
<b>CLASS</b>				IMS Division	<b>Cruiser/Racer</b>	Dynamic All.	<b>0.419%</b>
Class	<b>40 Skerry Cruiser</b>			Fwd Accom.	<b>Yes</b>	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>05.1943</b>			IMSL	<b>11.927m</b>	VCGD	<b>-0.050m</b>
Age Allowance	<b>0.487%</b>			RL	<b>6.459m</b>	VCGM	<b>-0.037m</b>
<b>COMMENTS</b>				WS	<b>28.02m2</b>	LSM0	<b>11.084m</b>
				Displacement/Length ratio	<b>4.3320</b>	Water Ballast <b>0</b> Trim Tab <b>No</b>	
<b>PROPELLER</b>				<b>CENTERBOARD</b>			
Installation	<b>In Aperture</b>	PRD	<b>0.390</b>	<b>N/A</b>			
Type	<b>Solid 3 blades</b>	PBW	<b>0.100</b>				
		PIPA	<b>0.0106</b>				
<b>SCORING OPTIONS</b>							
	<b>OFFSHORE</b>			<b>INSHORE</b>			
	<b>COASTAL / LONG DISTANCE</b>			<b>WINDWARD / LEEWARD</b>			
Time On Distance	<b>636.3</b>			<b>731.3</b>			
Time On Time	<b>0.9429</b>			<b>0.9230</b>			
Performance Line	PLT	PLD		PLT	PLD		
	<b>0.571</b>	<b>-7.7</b>		<b>0.714</b>	<b>155.7</b>		
Triple Number	Low	Medium	High	Low	Medium	High	
	<b>0.8587</b>	<b>1.1866</b>	<b>1.3493</b>	<b>0.6456</b>	<b>0.9188</b>	<b>1.0815</b>	



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## ORC Club Certificate Appendix

<b>BOAT</b>	
Name <b>Addio</b>	Certificate Number <b>025/16</b>
Sail Nr <b>HUN 40-3</b>	Issued On <b>10.5.2016.</b>

<b>TIME ALLOWANCES</b>							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	<b>1258.1</b>	<b>1000.1</b>	<b>883.0</b>	<b>830.8</b>	<b>801.0</b>	<b>789.7</b>	<b>771.4</b>
52°	<b>794.2</b>	<b>635.1</b>	<b>561.7</b>	<b>531.3</b>	<b>514.3</b>	<b>506.4</b>	<b>492.9</b>
60°	<b>727.8</b>	<b>584.6</b>	<b>515.2</b>	<b>489.8</b>	<b>476.7</b>	<b>469.3</b>	<b>458.8</b>
75°	<b>672.1</b>	<b>540.6</b>	<b>472.9</b>	<b>450.5</b>	<b>441.2</b>	<b>436.1</b>	<b>431.1</b>
90°	<b>665.7</b>	<b>539.4</b>	<b>469.4</b>	<b>439.1</b>	<b>424.6</b>	<b>417.7</b>	<b>411.5</b>
110°	<b>656.0</b>	<b>517.5</b>	<b>465.9</b>	<b>444.9</b>	<b>431.1</b>	<b>420.2</b>	<b>391.0</b>
120°	<b>687.3</b>	<b>533.8</b>	<b>458.7</b>	<b>434.7</b>	<b>421.0</b>	<b>409.1</b>	<b>386.5</b>
135°	<b>790.6</b>	<b>605.4</b>	<b>496.1</b>	<b>446.3</b>	<b>419.7</b>	<b>394.1</b>	<b>364.3</b>
150°	<b>942.9</b>	<b>723.2</b>	<b>584.4</b>	<b>497.2</b>	<b>450.4</b>	<b>424.5</b>	<b>377.4</b>
Run VMG	<b>1088.8</b>	<b>835.1</b>	<b>674.9</b>	<b>574.0</b>	<b>514.5</b>	<b>472.8</b>	<b>417.8</b>

<b>Selected Courses</b>							
Windward / Leeward	<b>1173.4</b>	<b>917.6</b>	<b>778.9</b>	<b>702.4</b>	<b>657.7</b>	<b>631.2</b>	<b>594.6</b>
Circular Random	<b>935.0</b>	<b>739.0</b>	<b>632.6</b>	<b>571.2</b>	<b>534.3</b>	<b>510.9</b>	<b>481.4</b>
Ocean for PCS	<b>1164.1</b>	<b>879.1</b>	<b>717.7</b>	<b>619.3</b>	<b>555.7</b>	<b>511.6</b>	<b>450.4</b>
Non Spinnaker	<b>1005.7</b>	<b>789.5</b>	<b>670.1</b>	<b>599.2</b>	<b>555.2</b>	<b>526.6</b>	<b>491.8</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>46.2°</b>	<b>45.6°</b>	<b>45.2°</b>	<b>44.6°</b>	<b>44.2°</b>	<b>44.2°</b>	<b>44.9°</b>
Beat VMG	<b>2.86</b>	<b>3.60</b>	<b>4.08</b>	<b>4.33</b>	<b>4.49</b>	<b>4.56</b>	<b>4.67</b>
52°	<b>4.53</b>	<b>5.67</b>	<b>6.41</b>	<b>6.78</b>	<b>7.00</b>	<b>7.11</b>	<b>7.30</b>
60°	<b>4.95</b>	<b>6.16</b>	<b>6.99</b>	<b>7.35</b>	<b>7.55</b>	<b>7.67</b>	<b>7.85</b>
75°	<b>5.36</b>	<b>6.66</b>	<b>7.61</b>	<b>7.99</b>	<b>8.16</b>	<b>8.26</b>	<b>8.35</b>
90°	<b>5.41</b>	<b>6.67</b>	<b>7.67</b>	<b>8.20</b>	<b>8.48</b>	<b>8.62</b>	<b>8.75</b>
110°	<b>5.49</b>	<b>6.96</b>	<b>7.73</b>	<b>8.09</b>	<b>8.35</b>	<b>8.57</b>	<b>9.21</b>
120°	<b>5.24</b>	<b>6.74</b>	<b>7.85</b>	<b>8.28</b>	<b>8.55</b>	<b>8.80</b>	<b>9.32</b>
135°	<b>4.55</b>	<b>5.95</b>	<b>7.26</b>	<b>8.07</b>	<b>8.58</b>	<b>9.14</b>	<b>9.88</b>
150°	<b>3.82</b>	<b>4.98</b>	<b>6.16</b>	<b>7.24</b>	<b>7.99</b>	<b>8.48</b>	<b>9.54</b>
Run VMG	<b>3.31</b>	<b>4.31</b>	<b>5.33</b>	<b>6.27</b>	<b>7.00</b>	<b>7.61</b>	<b>8.62</b>
Gybe Angles	<b>144.1°</b>	<b>146.9°</b>	<b>143.1°</b>	<b>150.2°</b>	<b>155.7°</b>	<b>170.1°</b>	<b>180.0°</b>