



**ORC**

Offshore Racing Congress  
World leader in rating technology

**2019  
ORC Club  
Certificate**

**Rating Office**

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



**Certificate**

Number **006/19**  
Issued On **17/05/2019**  
ORC Ref **HUN10025174**  
VPP Ver. **2019 1.01**  
Valid until **31/12/2019**

**Crew Weight**

Default 722kg  
Maximum **350kg**  
Minimum\* **263kg**  
*\*when applied by the NoR and SI*  
Non Manual Pwr

**Special Scoring**

	ToD	ToT
Double H.GPH	<b>627.0</b>	<b>0.9569</b>
Double H.OSN	<b>609.7</b>	<b>0.9842</b>
Non Spin GPH	<b>658.4</b>	<b>0.9113</b>
Non Spin OSN	<b>639.4</b>	<b>0.9383</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 = 9.414**

**Stability (Measured)**

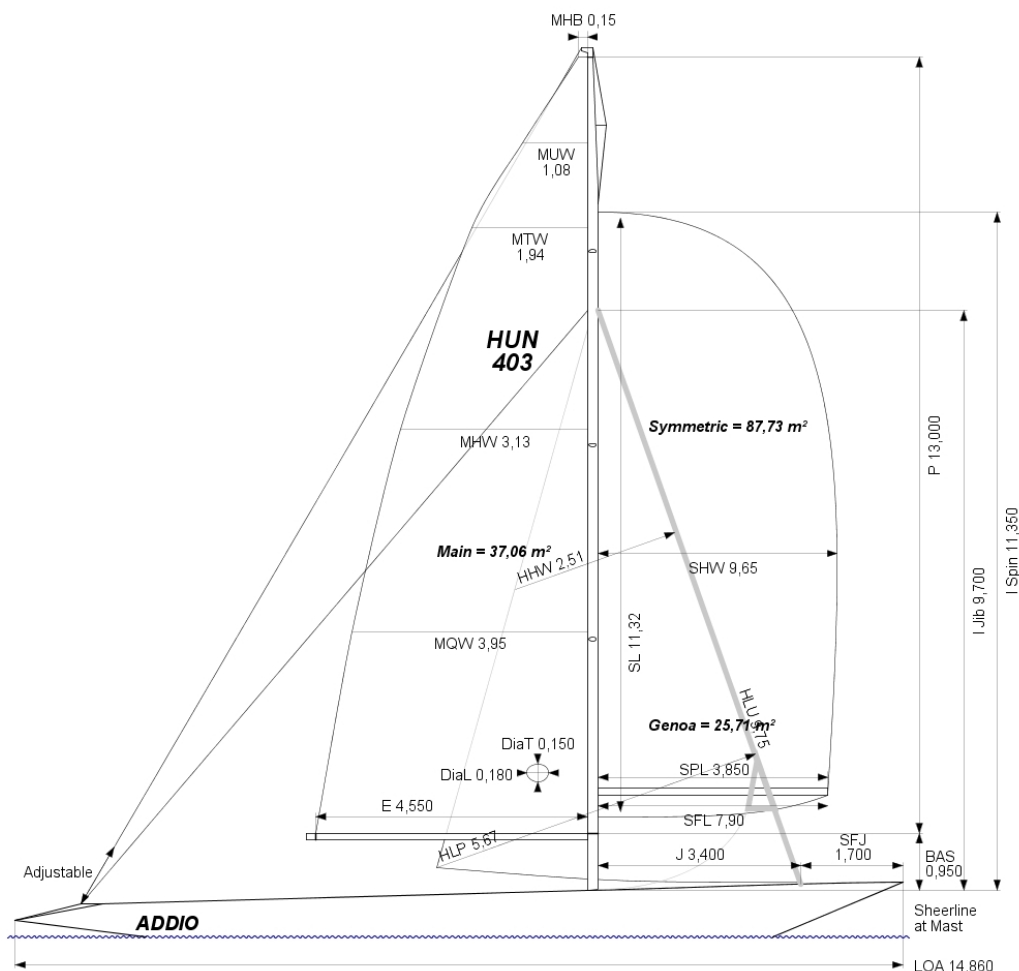
Limit Positive Stab.: **129.7°**  
Stability Index: **135.7**

**Owner**

Ervin Vásárhelyi  
HUNGARY

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

Signature



BOAT	GPH	HULL
Name <b>Addio</b> Sail Nr <b>HUN 40-3</b>	<b>619.0</b>	Data File <b>HUN 40-3</b> LOA <b>14.860m</b> Offset File <b>ADDIO2.OFF</b> MB <b>2.312m</b> Displacement <b>4 599kg</b> Draft <b>1.628m</b>
<b>CLASS</b> Class <b>40 Skerry Cruiser</b> Designer <b>Jenő Benacsek</b> Builder <b>Balatonfüred SY</b> Series <b>01/1943</b> Age Date <b>05/1943</b> Age Allowance <b>0.487%</b>		IMS Division <b>Cruiser/Racer</b> Dynamic All. <b>0.296%</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>11.320m</b> VCGD <b>-0.390m</b> Sink <b>16.20kg/mm</b> RL <b>7.506m</b> VCGM <b>-0.298m</b> WS <b>25.51m²</b> LSM0 <b>10.336m</b> Displacement/Length ratio <b>4.1649</b>
<b>PROPELLER</b> Installation <b>Strut</b> PRD <b>0.390</b> Type <b>Folding 3 blades</b> PBW <b>0.100</b> PIPA <b>0.0030</b>		Water Ballast <b>0</b> Trim Tab <b>No</b> BLR Index <b>0.0000</b>
<b>SCORING OPTIONS</b>		<b>CENTERBOARD</b> N/A
	<b>COASTAL / LONG DISTANCE</b>	<b>WINDWARD / LEEWARD</b>
Time on Distance	<b>600.8</b>	<b>687.5</b>
Time on Time	<b>0.9987</b>	<b>0.9818</b>
Triple Number	Low Medium High	Low Medium High
Time on Distance	<b>732.5 539.8 480.7</b>	<b>965.8 687.7 599.3</b>
Time on Time	<b>0.9215 1.2504 1.4043</b>	<b>0.6989 0.9816 1.1263</b>

# 2019

## ORC Club Certificate Appendix

<b>BOAT</b>	
Name <b>Addio</b>	Certificate Number <b>006/19</b>
Sail Nr <b>HUN 40-3</b>	Issued On <b>17/05/2019</b>

<b>TIME ALLOWANCES</b>							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	<b>1141.9</b>	<b>910.0</b>	<b>808.1</b>	<b>770.7</b>	<b>754.8</b>	<b>748.9</b>	<b>750.5</b>
52°	<b>728.1</b>	<b>587.1</b>	<b>522.0</b>	<b>499.7</b>	<b>489.9</b>	<b>485.3</b>	<b>481.8</b>
60°	<b>676.0</b>	<b>548.2</b>	<b>489.6</b>	<b>470.5</b>	<b>462.2</b>	<b>458.2</b>	<b>455.5</b>
75°	<b>634.8</b>	<b>517.2</b>	<b>465.0</b>	<b>444.8</b>	<b>434.9</b>	<b>429.1</b>	<b>424.4</b>
90°	<b>639.7</b>	<b>518.5</b>	<b>461.1</b>	<b>436.0</b>	<b>418.6</b>	<b>405.0</b>	<b>392.8</b>
110°	<b>624.6</b>	<b>497.8</b>	<b>449.3</b>	<b>432.3</b>	<b>416.0</b>	<b>403.2</b>	<b>374.7</b>
120°	<b>644.6</b>	<b>507.0</b>	<b>448.0</b>	<b>419.6</b>	<b>401.7</b>	<b>388.8</b>	<b>362.1</b>
135°	<b>740.5</b>	<b>566.6</b>	<b>472.8</b>	<b>433.7</b>	<b>402.6</b>	<b>374.5</b>	<b>332.0</b>
150°	<b>885.1</b>	<b>683.4</b>	<b>550.6</b>	<b>475.0</b>	<b>437.5</b>	<b>408.3</b>	<b>354.1</b>
Run VMG	<b>1022.1</b>	<b>789.1</b>	<b>635.8</b>	<b>547.6</b>	<b>497.0</b>	<b>459.5</b>	<b>402.9</b>
<b>Selected Courses</b>							
Windward / Leeward	<b>1082.0</b>	<b>849.6</b>	<b>721.9</b>	<b>659.2</b>	<b>625.9</b>	<b>604.2</b>	<b>576.7</b>
Circular Random	<b>874.7</b>	<b>694.8</b>	<b>598.3</b>	<b>543.3</b>	<b>510.6</b>	<b>489.9</b>	<b>463.8</b>
Coastal / Long Distance	<b>1076.0</b>	<b>792.5</b>	<b>641.1</b>	<b>561.7</b>	<b>520.0</b>	<b>487.1</b>	<b>433.7</b>
Non Spinnaker	<b>945.0</b>	<b>745.2</b>	<b>635.9</b>	<b>571.7</b>	<b>532.3</b>	<b>507.0</b>	<b>476.9</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>45.4°</b>	<b>44.0°</b>	<b>43.9°</b>	<b>43.6°</b>	<b>43.7°</b>	<b>44.0°</b>	<b>45.1°</b>
Beat VMG	<b>3.15</b>	<b>3.96</b>	<b>4.46</b>	<b>4.67</b>	<b>4.77</b>	<b>4.81</b>	<b>4.80</b>
52°	<b>4.94</b>	<b>6.13</b>	<b>6.90</b>	<b>7.20</b>	<b>7.35</b>	<b>7.42</b>	<b>7.47</b>
60°	<b>5.33</b>	<b>6.57</b>	<b>7.35</b>	<b>7.65</b>	<b>7.79</b>	<b>7.86</b>	<b>7.90</b>
75°	<b>5.67</b>	<b>6.96</b>	<b>7.74</b>	<b>8.09</b>	<b>8.28</b>	<b>8.39</b>	<b>8.48</b>
90°	<b>5.63</b>	<b>6.94</b>	<b>7.81</b>	<b>8.26</b>	<b>8.60</b>	<b>8.89</b>	<b>9.16</b>
110°	<b>5.76</b>	<b>7.23</b>	<b>8.01</b>	<b>8.33</b>	<b>8.65</b>	<b>8.93</b>	<b>9.61</b>
120°	<b>5.58</b>	<b>7.10</b>	<b>8.04</b>	<b>8.58</b>	<b>8.96</b>	<b>9.26</b>	<b>9.94</b>
135°	<b>4.86</b>	<b>6.35</b>	<b>7.61</b>	<b>8.30</b>	<b>8.94</b>	<b>9.61</b>	<b>10.84</b>
150°	<b>4.07</b>	<b>5.27</b>	<b>6.54</b>	<b>7.58</b>	<b>8.23</b>	<b>8.82</b>	<b>10.17</b>
Run VMG	<b>3.52</b>	<b>4.56</b>	<b>5.66</b>	<b>6.57</b>	<b>7.24</b>	<b>7.83</b>	<b>8.93</b>
Gybe Angles	<b>142.9°</b>	<b>145.4°</b>	<b>142.5°</b>	<b>151.6°</b>	<b>157.9°</b>	<b>173.6°</b>	<b>180.0°</b>