



**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 **021/19**  
Issued On **07/06/2019**  
ORC Ref **HUN10025643**  
VPP Ver. **2019 1.01**  
Valid until **31/12/2019**

**Crew Weight**

Default 774kg  
Maximum **350kg**  
Minimum\* **263kg**  
*\*when applied by the NoR and SI*  
Non Manual Pwr

**Special Scoring**

	ToD	ToT
Double H.GPH	<b>646.4</b>	<b>0.9282</b>
Double H.OSN	<b>627.1</b>	<b>0.9567</b>
Non Spin GPH	<b>678.4</b>	<b>0.8844</b>
Non Spin OSN	<b>656.6</b>	<b>0.9138</b>

**Sails Limitations**

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

**Spinnaker configuration**  
Symmetric: **Yes** **79.84**  
Asymmetric: **No**  
Flying H/S: **No**  
Spin. Pole: **Yes**

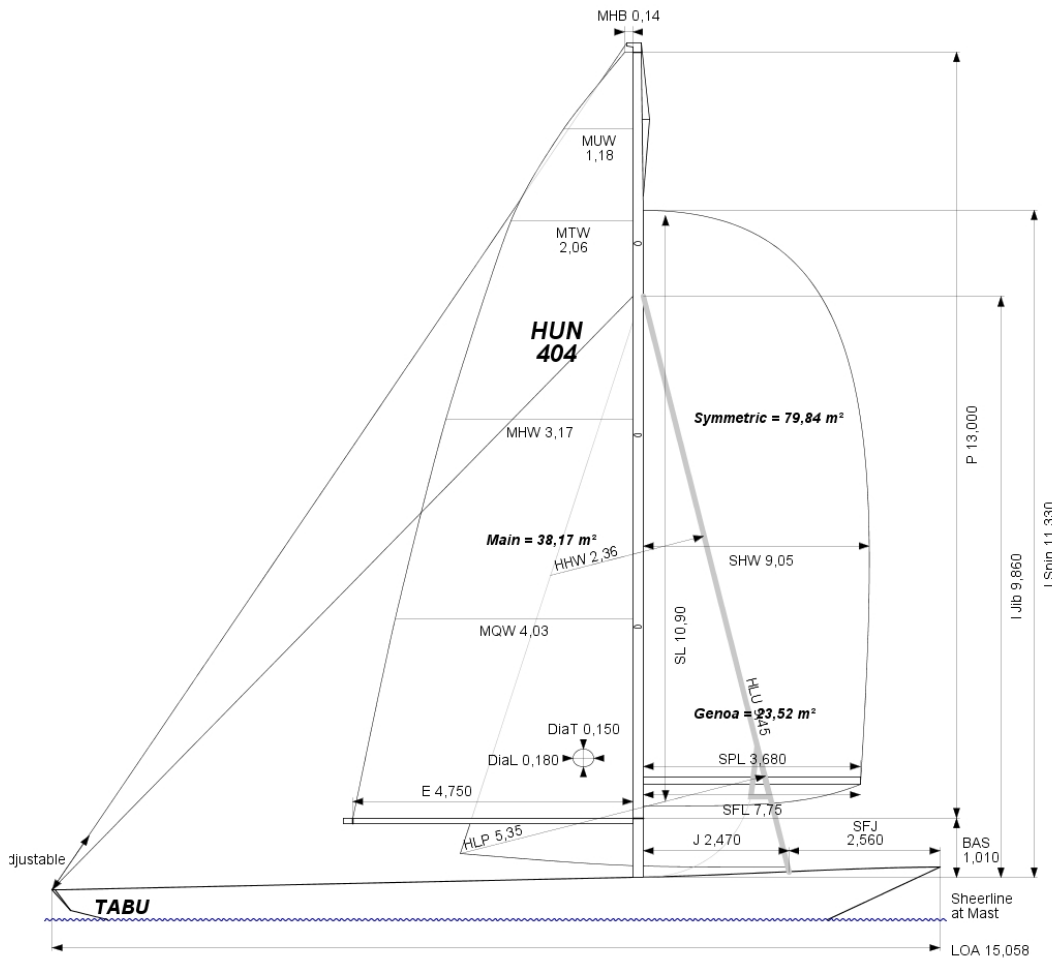
**Class Division Length**  
CDL = **9.461**

**Stability (Measured)**  
Limit Positive Stab.: **124.5°**  
Stability Index: **131.3**

**Owner**  
Dr Lajos Kollár  
Jakabhegyi út 26  
7635 Pécs  
HUNGARY

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

Signature



BOAT		GPH		HULL		
Name	<b>Tabu</b>			Data File	<b>HUN 40-4</b>	
Sail Nr	<b>HUN 40-4</b>			Offset File	<b>tabu.off</b>	
		<b>639.5</b>		Displacement	<b>5 852kg</b>	
				LOA	<b>15.058m</b>	
				MB	<b>2.358m</b>	
				Draft	<b>1.717m</b>	
<b>CLASS</b>				IMS Division	<b>Cruiser/Racer</b>	
Class	<b>40 Skerry Cruiser</b>		Dynamic All.	<b>0.417%</b>		
Designer	<b>Jenő Benacsek</b>		Fwd Accom.	<b>Yes</b>		
Builder	<b>Balatonfüred SY</b>		Construction	<b>Solid</b>		
Series	<b>01/1942</b>		Fiber Rigging	<b>No</b>		
Age Date	<b>01/1942</b>		Aramid Core	<b>No</b>		
Age Allowance	<b>0.487%</b>		Carbon Rudder	<b>No</b>		
			Light Stanchions	<b>No</b>		
<b>COMMENTS</b>				IMSL	<b>11.758m</b>	
WOODEN BENT MAST				VCGD	<b>-0.327m</b>	
				Sink	<b>17.69kg/mm</b>	
				RL	<b>7.162m</b>	
				VCGM	<b>-0.234m</b>	
				WS	<b>28.09m²</b>	
				LSM0	<b>10.856m</b>	
				Displacement/Length ratio	<b>4.5740</b>	
<b>PROPELLER</b>				Water Ballast	<b>0</b>	
Installation	<b>Strut</b>	PRD	<b>0.390</b>	Trim Tab	<b>No</b>	
Type	<b>Folding 3 blades</b>	PBW	<b>0.100</b>	BLR Index	<b>0.0000</b>	
		PIPA	<b>0.0038</b>			
				<b>CENTERBOARD</b>		
				<b>N/A</b>		
<b>SCORING OPTIONS</b>						
	<b>COASTAL / LONG DISTANCE</b>			<b>WINDWARD / LEEWARD</b>		
Time on Distance	<b>619.6</b>			<b>709.6</b>		
Time on Time	<b>0.9684</b>			<b>0.9513</b>		
Triple Number	Low	Medium	High	Low	Medium	High
Time on Distance	<b>765.3</b>	<b>555.8</b>	<b>491.8</b>	<b>1009.4</b>	<b>711.4</b>	<b>613.2</b>
Time on Time	<b>0.8820</b>	<b>1.2145</b>	<b>1.3725</b>	<b>0.6687</b>	<b>0.9488</b>	<b>1.1008</b>

# 2019

## ORC Club Certificate Appendix

<b>BOAT</b>	
Name <b>Tabu</b>	Certificate Number <b>021/19</b>
Sail Nr <b>HUN 40-4</b>	Issued On <b>07/06/2019</b>

<b>TIME ALLOWANCES</b>							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	<b>1189.0</b>	<b>948.0</b>	<b>834.0</b>	<b>789.1</b>	<b>768.9</b>	<b>760.3</b>	<b>766.1</b>
52°	<b>760.1</b>	<b>614.7</b>	<b>540.4</b>	<b>509.9</b>	<b>497.1</b>	<b>491.4</b>	<b>492.1</b>
60°	<b>707.3</b>	<b>575.9</b>	<b>505.4</b>	<b>476.8</b>	<b>466.2</b>	<b>461.1</b>	<b>458.9</b>
75°	<b>666.3</b>	<b>544.5</b>	<b>478.0</b>	<b>450.6</b>	<b>438.3</b>	<b>432.6</b>	<b>427.8</b>
90°	<b>662.0</b>	<b>534.4</b>	<b>475.7</b>	<b>444.8</b>	<b>427.2</b>	<b>414.5</b>	<b>401.2</b>
110°	<b>649.5</b>	<b>517.3</b>	<b>454.7</b>	<b>433.9</b>	<b>421.7</b>	<b>409.5</b>	<b>389.2</b>
120°	<b>673.3</b>	<b>531.3</b>	<b>459.7</b>	<b>428.9</b>	<b>408.7</b>	<b>395.1</b>	<b>373.2</b>
135°	<b>779.0</b>	<b>597.6</b>	<b>493.8</b>	<b>446.5</b>	<b>420.1</b>	<b>394.8</b>	<b>348.2</b>
150°	<b>930.0</b>	<b>716.2</b>	<b>579.2</b>	<b>495.2</b>	<b>450.2</b>	<b>424.5</b>	<b>377.2</b>
Run VMG	<b>1073.9</b>	<b>827.0</b>	<b>668.8</b>	<b>571.5</b>	<b>513.2</b>	<b>471.6</b>	<b>417.6</b>
<b>Selected Courses</b>							
Windward / Leeward	<b>1131.5</b>	<b>887.5</b>	<b>751.4</b>	<b>680.3</b>	<b>641.0</b>	<b>616.0</b>	<b>591.9</b>
Circular Random	<b>910.0</b>	<b>720.4</b>	<b>617.7</b>	<b>558.5</b>	<b>523.4</b>	<b>501.8</b>	<b>477.1</b>
Coastal / Long Distance	<b>1125.7</b>	<b>827.9</b>	<b>666.0</b>	<b>577.0</b>	<b>530.4</b>	<b>496.3</b>	<b>444.4</b>
Non Spinnaker	<b>978.9</b>	<b>770.0</b>	<b>654.9</b>	<b>586.7</b>	<b>544.9</b>	<b>518.4</b>	<b>488.4</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>45.2°</b>	<b>43.6°</b>	<b>43.5°</b>	<b>43.6°</b>	<b>43.7°</b>	<b>43.9°</b>	<b>44.5°</b>
Beat VMG	<b>3.03</b>	<b>3.80</b>	<b>4.32</b>	<b>4.56</b>	<b>4.68</b>	<b>4.73</b>	<b>4.70</b>
52°	<b>4.74</b>	<b>5.86</b>	<b>6.66</b>	<b>7.06</b>	<b>7.24</b>	<b>7.33</b>	<b>7.32</b>
60°	<b>5.09</b>	<b>6.25</b>	<b>7.12</b>	<b>7.55</b>	<b>7.72</b>	<b>7.81</b>	<b>7.84</b>
75°	<b>5.40</b>	<b>6.61</b>	<b>7.53</b>	<b>7.99</b>	<b>8.21</b>	<b>8.32</b>	<b>8.41</b>
90°	<b>5.44</b>	<b>6.74</b>	<b>7.57</b>	<b>8.09</b>	<b>8.43</b>	<b>8.69</b>	<b>8.97</b>
110°	<b>5.54</b>	<b>6.96</b>	<b>7.92</b>	<b>8.30</b>	<b>8.54</b>	<b>8.79</b>	<b>9.25</b>
120°	<b>5.35</b>	<b>6.78</b>	<b>7.83</b>	<b>8.39</b>	<b>8.81</b>	<b>9.11</b>	<b>9.65</b>
135°	<b>4.62</b>	<b>6.02</b>	<b>7.29</b>	<b>8.06</b>	<b>8.57</b>	<b>9.12</b>	<b>10.34</b>
150°	<b>3.87</b>	<b>5.03</b>	<b>6.22</b>	<b>7.27</b>	<b>8.00</b>	<b>8.48</b>	<b>9.54</b>
Run VMG	<b>3.35</b>	<b>4.35</b>	<b>5.38</b>	<b>6.30</b>	<b>7.01</b>	<b>7.63</b>	<b>8.62</b>
Gybe Angles	<b>143.6°</b>	<b>146.8°</b>	<b>142.6°</b>	<b>150.6°</b>	<b>156.5°</b>	<b>171.2°</b>	<b>180.0°</b>