



**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 **019/20**  
Issued On **07/07/2020**  
ORC Ref **03880000M66**  
VPP Ver. **2020 1.02**  
Valid until **31/12/2020**

**Crew Weight**

Default 693kg  
Maximum **400kg**  
Minimum\* **300kg**  
*\*when applied by the NoR and SI*  
Non Manual Pwr

**Special Scoring**

ToD ToT  
Non Spin GPH **622.4 0.9640**  
Non Spin OSN **607.4 0.9878**

**Sails Limitations**

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

**Spinnaker configuration**

Symmetric: **Yes 72.59**  
Asymmetric: **No**  
Flying H/S: **No**  
Spin. Pole: **Yes**

**Class Division Length**

**CDL = 9.858**

**Stability (Measured)**

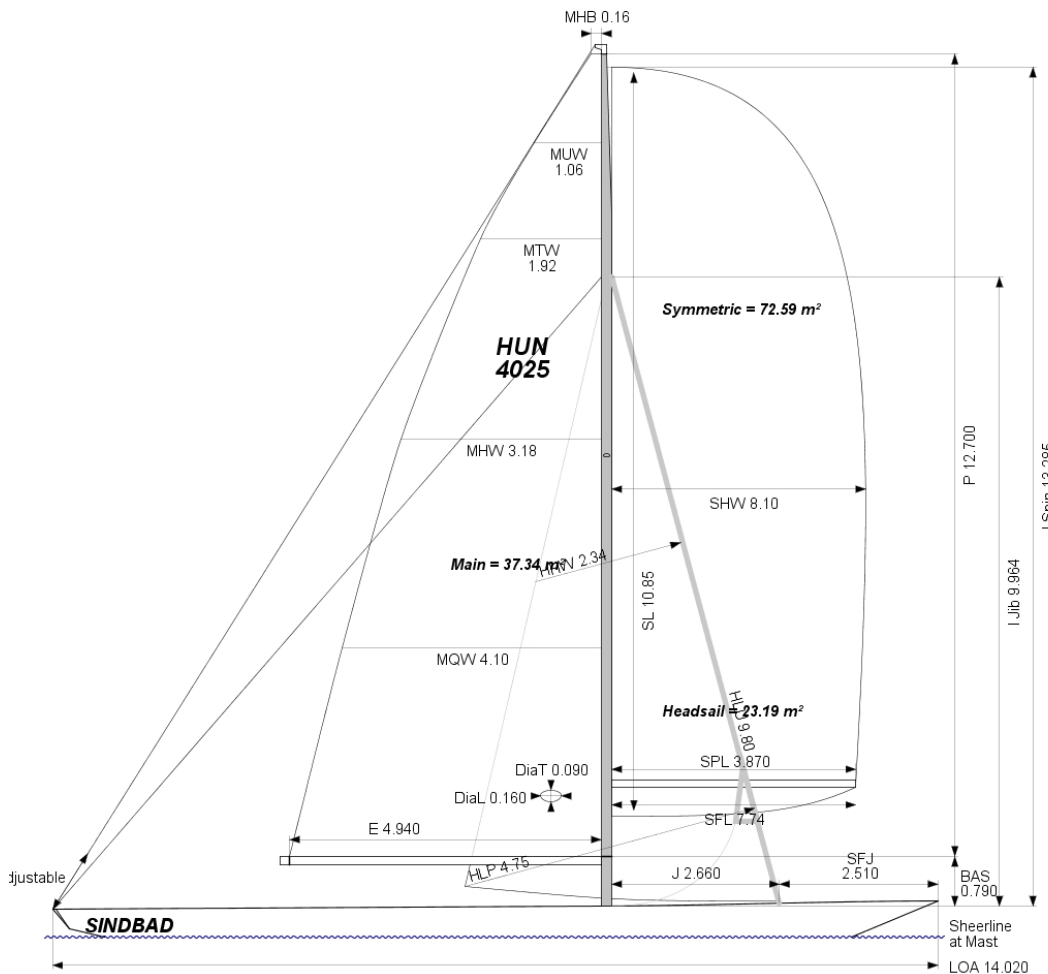
Limit Positive Stab.: **141.0°**  
Stability Index: **146.2**

**Owner**

Horvath Laszlo  
Igmandi ut 45  
2900 Komárom  
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>Sindbad</b>		<b>585.2</b>		Data File <b>HUN 40-25</b>	LOA <b>14.020m</b>				
Sail Nr <b>HUN 40-25</b>				Offset File <b>sindbad.off</b>	MB <b>1.796m</b>				
				Displacement <b>3,427kg</b>	Draft <b>1.719m</b>				
<b>CLASS</b>				IMS Division <b>Cruiser/Racer</b>	Dynamic All. <b>0.236%</b>				
Class <b>40 Skerry Cruiser</b>				Plan Review	Construction <b>Solid</b>				
Designer <b>Plunder</b>				Fiber Rigging <b>No</b>	Aramid Core <b>No</b>				
Builder <b>Bodenseewerf</b>				Crew Arm Ex	Carbon Rudder <b>No</b>				
Series <b>01/1922</b>					Light Stanchions <b>No</b>				
Age Date <b>01/1922</b>				IMSL <b>11.314m</b>	VCGD <b>-0.575m</b>	Sink <b>13.62kg/mm</b>			
Age Allowance <b>0.487%</b>				RL <b>8.460m</b>	VCGM <b>-0.476m</b>	WS <b>21.91m²</b>			
<b>COMMENTS</b>				LSM0 <b>10.050m</b>	Displacement/Length ratio <b>3.3761</b>				
PAUGER CARBON MAST ELECTRIC ENGINE				Water Ballast	Trim Tab <b>No</b>				
				BLR Index <b>0.0000</b>					
<b>PROPELLER</b>				<b>CENTERBOARD</b>					
Installation <b>Strut</b>	PRD <b>0.280</b>			N/A					
Type <b>Folding 2 blades</b>	PBW <b>0.080</b>								
	PIPA <b>0.0032</b>								
<b>SCORING OPTIONS</b>									
	<b>COASTAL / LONG DISTANCE</b>				<b>WINDWARD / LEEWARD</b>				
Time on Distance	<b>569.5</b>				<b>649.7</b>				
Time on Time	<b>1.0536</b>				<b>1.0389</b>				
Triple Number	Low	Medium	High	Low	Medium	High			
Time on Distance	<b>677.7</b>	<b>515.6</b>	<b>453.7</b>	<b>890.4</b>	<b>653.8</b>	<b>562.9</b>			
Time on Time	<b>0.9960</b>	<b>1.3091</b>	<b>1.4878</b>	<b>0.7581</b>	<b>1.0325</b>	<b>1.1991</b>			

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# 2020

## ORC Club Certificate Appendix

**BOAT**

Name	<b>Sindbad</b>	Certificate Number	<b>019/20</b>
Sail Nr	<b>HUN 40-25</b>	Issued On	<b>07/07/2020</b>

**TIME ALLOWANCES**

Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	<b>1023.8</b>	<b>829.3</b>	<b>758.8</b>	<b>726.0</b>	<b>708.8</b>	<b>698.2</b>	<b>679.6</b>
52°	<b>658.2</b>	<b>537.8</b>	<b>496.8</b>	<b>479.3</b>	<b>469.8</b>	<b>467.1</b>	<b>453.7</b>
60°	<b>612.8</b>	<b>503.1</b>	<b>469.0</b>	<b>455.6</b>	<b>448.2</b>	<b>444.1</b>	<b>432.8</b>
75°	<b>577.5</b>	<b>476.9</b>	<b>443.9</b>	<b>430.3</b>	<b>421.3</b>	<b>414.9</b>	<b>404.1</b>
90°	<b>583.3</b>	<b>477.5</b>	<b>437.6</b>	<b>413.3</b>	<b>397.4</b>	<b>387.1</b>	<b>375.2</b>
110°	<b>599.5</b>	<b>480.9</b>	<b>444.7</b>	<b>422.7</b>	<b>401.9</b>	<b>377.1</b>	<b>339.5</b>
120°	<b>617.8</b>	<b>488.6</b>	<b>436.7</b>	<b>412.7</b>	<b>392.7</b>	<b>372.5</b>	<b>337.1</b>
135°	<b>694.9</b>	<b>539.4</b>	<b>459.3</b>	<b>421.0</b>	<b>385.0</b>	<b>353.4</b>	<b>314.8</b>
150°	<b>835.1</b>	<b>644.3</b>	<b>531.4</b>	<b>463.4</b>	<b>426.5</b>	<b>392.3</b>	<b>326.9</b>
Run VMG	<b>964.3</b>	<b>743.9</b>	<b>613.6</b>	<b>534.5</b>	<b>486.5</b>	<b>450.2</b>	<b>377.5</b>

**Selected Courses**

Windward / Leeward	<b>994.1</b>	<b>786.6</b>	<b>686.2</b>	<b>630.2</b>	<b>597.6</b>	<b>574.2</b>	<b>528.6</b>
Circular Random	<b>816.9</b>	<b>653.8</b>	<b>566.8</b>	<b>516.6</b>	<b>485.1</b>	<b>462.9</b>	<b>429.8</b>
Coastal / Long Distance	<b>991.1</b>	<b>735.0</b>	<b>610.8</b>	<b>539.0</b>	<b>498.8</b>	<b>464.9</b>	<b>405.9</b>
Non Spinnaker	<b>886.3</b>	<b>702.4</b>	<b>602.0</b>	<b>542.5</b>	<b>504.7</b>	<b>478.6</b>	<b>442.9</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>44.3°</b>	<b>43.5°</b>	<b>42.4°</b>	<b>42.0°</b>	<b>42.0°</b>	<b>42.0°</b>	<b>42.4°</b>
Beat VMG	<b>3.52</b>	<b>4.34</b>	<b>4.74</b>	<b>4.96</b>	<b>5.08</b>	<b>5.16</b>	<b>5.30</b>
52°	<b>5.47</b>	<b>6.69</b>	<b>7.25</b>	<b>7.51</b>	<b>7.66</b>	<b>7.71</b>	<b>7.94</b>
60°	<b>5.87</b>	<b>7.16</b>	<b>7.68</b>	<b>7.90</b>	<b>8.03</b>	<b>8.11</b>	<b>8.32</b>
75°	<b>6.23</b>	<b>7.55</b>	<b>8.11</b>	<b>8.37</b>	<b>8.54</b>	<b>8.68</b>	<b>8.91</b>
90°	<b>6.17</b>	<b>7.54</b>	<b>8.23</b>	<b>8.71</b>	<b>9.06</b>	<b>9.30</b>	<b>9.60</b>
110°	<b>6.00</b>	<b>7.49</b>	<b>8.10</b>	<b>8.52</b>	<b>8.96</b>	<b>9.55</b>	<b>10.60</b>
120°	<b>5.83</b>	<b>7.37</b>	<b>8.24</b>	<b>8.72</b>	<b>9.17</b>	<b>9.66</b>	<b>10.68</b>
135°	<b>5.18</b>	<b>6.67</b>	<b>7.84</b>	<b>8.55</b>	<b>9.35</b>	<b>10.19</b>	<b>11.43</b>
150°	<b>4.31</b>	<b>5.59</b>	<b>6.77</b>	<b>7.77</b>	<b>8.44</b>	<b>9.18</b>	<b>11.01</b>
Run VMG	<b>3.73</b>	<b>4.84</b>	<b>5.87</b>	<b>6.74</b>	<b>7.40</b>	<b>8.00</b>	<b>9.54</b>
Gybe Angles	<b>140.0°</b>	<b>141.0°</b>	<b>145.3°</b>	<b>152.0°</b>	<b>158.0°</b>	<b>174.0°</b>	<b>146.0°</b>