



World Leader in Rating Technology

## 2016 ORC Club Certificate

### Rating Office

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



### Certificate

Number **019/16**  
Issued On **4.5.2016.**  
ORC Ref **HUN00062837**  
VPP Ver. **2016 1.01**  
Valid until **31.12.2016.**

### Crew Weight

Declared	<b>320kg</b>
Default*	<b>330kg</b>
Non Manual Pwr	<b>No</b>

### Special Scoring

	ToD	ToT
Non Spin	GPH <b>744.5</b>	<b>0.8059</b>
Non Spin	OSN <b>722.3</b>	<b>0.8307</b>
N/S Perf. Line	<b>32.1</b>	<b>0.555</b>

### Sails Limitations

Headsails 1 Spinnakers 3

### Spinnaker configuration

Symmetric:	<b>Yes</b>	<b>49.53</b>
Asymmetric:	<b>No</b>	
Flying H/S:	<b>Yes</b>	<b>29.47</b>
Spin. Pole:	<b>Yes</b>	

### Class Division Length

CDL = **6.306**

### Stability

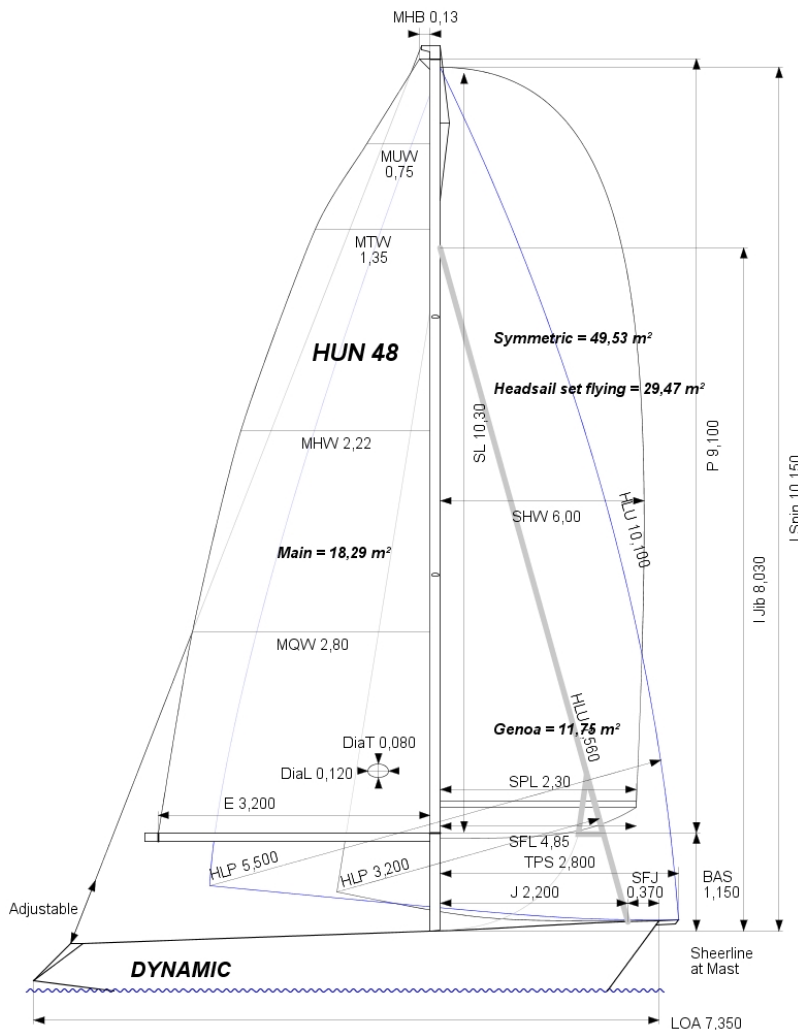
LPS (Estimated):	<b>99.6°</b>
Stability Index:	<b>91.4</b>
OSR Category:	<b>N/A</b>

### Owner

W lasitsch Tamás  
Tücsök u. 15  
2049 Diósd  
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>Dynamic</b> Sail Nr <b>HUN 48</b>		<b>688.6</b>		Data File <b>HUN48.dxt</b>	LOA <b>7.350m</b>	
				Offset File <b>DYN2000.OFF</b>	MB <b>2.486m</b>	
				Displacement <b>1,187kg</b>	Draft <b>1.240m</b>	
<b>CLASS</b>				IMS Division <b>Performance</b>	Dynamic All. <b>0.025%</b>	
Class <b>Dynamic 2000</b>				Fwd Accom. <b>Yes</b>	Construction <b>Cored</b>	
Designer <b>J. Kjaerulff</b>				Fiber Rigging <b>No</b>	Aramid Core <b>No</b>	
Builder <b>Bach</b>				Crew Arm Ex	Carbon Rudder <b>No</b>	
Series <b>01.1988, CIN 48</b>					Light Stanchions <b>No</b>	
Age Date <b>01.1995</b>				IMSL <b>6.332m</b>	VCGD <b>0.103m</b>	
Age Allowance <b>0.487%</b>				RL <b>6.280m</b>	VCGM <b>0.081m</b>	
				WS <b>10.18m2</b>		
				LSM0 <b>5.976m</b>	Displacement/Length ratio <b>5.5618</b>	
<b>COMMENTS</b>				Water Ballast <b>0</b> Trim Tab <b>No</b>		
				<b>CENTERBOARD</b>		
<b>PROPELLER</b>				<b>N/A</b>		
Type <b>No Propeller</b>						
<b>SCORING OPTIONS</b>						
	<b>OFFSHORE</b>			<b>INSHORE</b>		
	<b>COASTAL / LONG DISTANCE</b>			<b>WINDWARD / LEEWARD</b>		
Time On Distance	<b>676.2</b>			<b>757.9</b>		
Time On Time	<b>0.8874</b>			<b>0.8907</b>		
Performance Line	PLT	PLD		PLT	PLD	
	<b>0.649</b>	<b>69.4</b>		<b>0.950</b>	<b>355.7</b>	
Triple Number	Low	Medium	High	Low	Medium	High
	<b>0.8847</b>	<b>1.0896</b>	<b>1.2163</b>	<b>0.6807</b>	<b>0.8850</b>	<b>0.9955</b>



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# 2016

## ORC Club Certificate Appendix

### BOAT

Name **Dynamic** Certificate Number **019/16**  
 Sail Nr **HUN 48** Issued On **4.5.2016.**

### TIME ALLOWANCES

Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	<b>1144.9</b>	<b>961.7</b>	<b>886.4</b>	<b>842.6</b>	<b>824.5</b>	<b>818.1</b>	<b>828.0</b>
52°	<b>725.2</b>	<b>629.6</b>	<b>604.2</b>	<b>591.6</b>	<b>583.1</b>	<b>578.9</b>	<b>576.3</b>
60°	<b>667.3</b>	<b>603.4</b>	<b>582.9</b>	<b>570.9</b>	<b>560.8</b>	<b>554.8</b>	<b>551.8</b>
75°	<b>624.9</b>	<b>577.1</b>	<b>552.6</b>	<b>538.1</b>	<b>527.4</b>	<b>517.0</b>	<b>510.2</b>
90°	<b>619.2</b>	<b>574.3</b>	<b>538.7</b>	<b>514.3</b>	<b>501.3</b>	<b>490.7</b>	<b>473.4</b>
110°	<b>660.5</b>	<b>591.6</b>	<b>545.6</b>	<b>517.0</b>	<b>483.4</b>	<b>462.4</b>	<b>425.6</b>
120°	<b>685.8</b>	<b>599.1</b>	<b>553.7</b>	<b>510.0</b>	<b>477.8</b>	<b>457.5</b>	<b>395.6</b>
135°	<b>754.7</b>	<b>630.1</b>	<b>578.8</b>	<b>536.7</b>	<b>496.9</b>	<b>455.9</b>	<b>358.4</b>
150°	<b>894.4</b>	<b>716.4</b>	<b>621.5</b>	<b>575.0</b>	<b>536.0</b>	<b>499.6</b>	<b>415.9</b>
Run VMG	<b>1032.8</b>	<b>827.3</b>	<b>710.0</b>	<b>632.4</b>	<b>586.0</b>	<b>549.0</b>	<b>481.0</b>

### Selected Courses

Windward / Leeward	<b>1088.8</b>	<b>894.5</b>	<b>798.2</b>	<b>737.5</b>	<b>705.2</b>	<b>683.5</b>	<b>654.5</b>
Circular Random	<b>922.8</b>	<b>757.2</b>	<b>670.3</b>	<b>619.9</b>	<b>587.8</b>	<b>565.0</b>	<b>530.9</b>
Ocean for PCS	<b>1141.2</b>	<b>892.8</b>	<b>754.1</b>	<b>668.9</b>	<b>611.8</b>	<b>569.2</b>	<b>503.2</b>
Non Spinnaker	<b>1030.9</b>	<b>830.2</b>	<b>722.0</b>	<b>658.8</b>	<b>619.7</b>	<b>593.7</b>	<b>559.8</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>46.1°</b>	<b>44.3°</b>	<b>41.8°</b>	<b>39.6°</b>	<b>38.8°</b>	<b>38.7°</b>	<b>40.0°</b>
Beat VMG	<b>3.14</b>	<b>3.74</b>	<b>4.06</b>	<b>4.27</b>	<b>4.37</b>	<b>4.40</b>	<b>4.35</b>
52°	<b>4.96</b>	<b>5.72</b>	<b>5.96</b>	<b>6.08</b>	<b>6.17</b>	<b>6.22</b>	<b>6.25</b>
60°	<b>5.40</b>	<b>5.97</b>	<b>6.18</b>	<b>6.31</b>	<b>6.42</b>	<b>6.49</b>	<b>6.52</b>
75°	<b>5.76</b>	<b>6.24</b>	<b>6.51</b>	<b>6.69</b>	<b>6.83</b>	<b>6.96</b>	<b>7.06</b>
90°	<b>5.81</b>	<b>6.27</b>	<b>6.68</b>	<b>7.00</b>	<b>7.18</b>	<b>7.34</b>	<b>7.61</b>
110°	<b>5.45</b>	<b>6.09</b>	<b>6.60</b>	<b>6.96</b>	<b>7.45</b>	<b>7.78</b>	<b>8.46</b>
120°	<b>5.25</b>	<b>6.01</b>	<b>6.50</b>	<b>7.06</b>	<b>7.54</b>	<b>7.87</b>	<b>9.10</b>
135°	<b>4.77</b>	<b>5.71</b>	<b>6.22</b>	<b>6.71</b>	<b>7.24</b>	<b>7.90</b>	<b>10.04</b>
150°	<b>4.02</b>	<b>5.03</b>	<b>5.79</b>	<b>6.26</b>	<b>6.72</b>	<b>7.21</b>	<b>8.66</b>
Run VMG	<b>3.49</b>	<b>4.35</b>	<b>5.07</b>	<b>5.69</b>	<b>6.14</b>	<b>6.56</b>	<b>7.48</b>
Gybe Angles	<b>146.5°</b>	<b>150.1°</b>	<b>156.6°</b>	<b>180.0°</b>	<b>180.0°</b>	<b>180.0°</b>	<b>180.0°</b>