



World Leader in Rating Technology

## 2018 ORC Club Certificate

### Rating Office

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



### Certificate

Number **026/18**  
Issued On **20/07/2018**  
ORC Ref **HUN10015081**  
VPP Ver. **2018 1.00**  
Valid until **31/12/2018**

### Crew Weight

Default 469kg  
Maximum **400kg**  
Minimum\* **300kg**  
*\*when applied by the NoR and SI*  
Non Manual Pwr **No**

### Special Scoring

	ToD	ToT
Non Spin GPH	<b>735.4</b>	<b>0.8159</b>
Non Spin OSN	<b>712.7</b>	<b>0.8419</b>

### Sails Limitations

Headsails **5** Spinnakers **3**

**Spinnaker configuration**  
Symmetric: **Yes 55.37**  
Asymmetric: **Yes 50.31**  
Flying H/S: **Yes 27.06**  
Spin. Pole: **Yes**

### Class Division Length

**CDL = 7.032**

### Stability (Estimated)

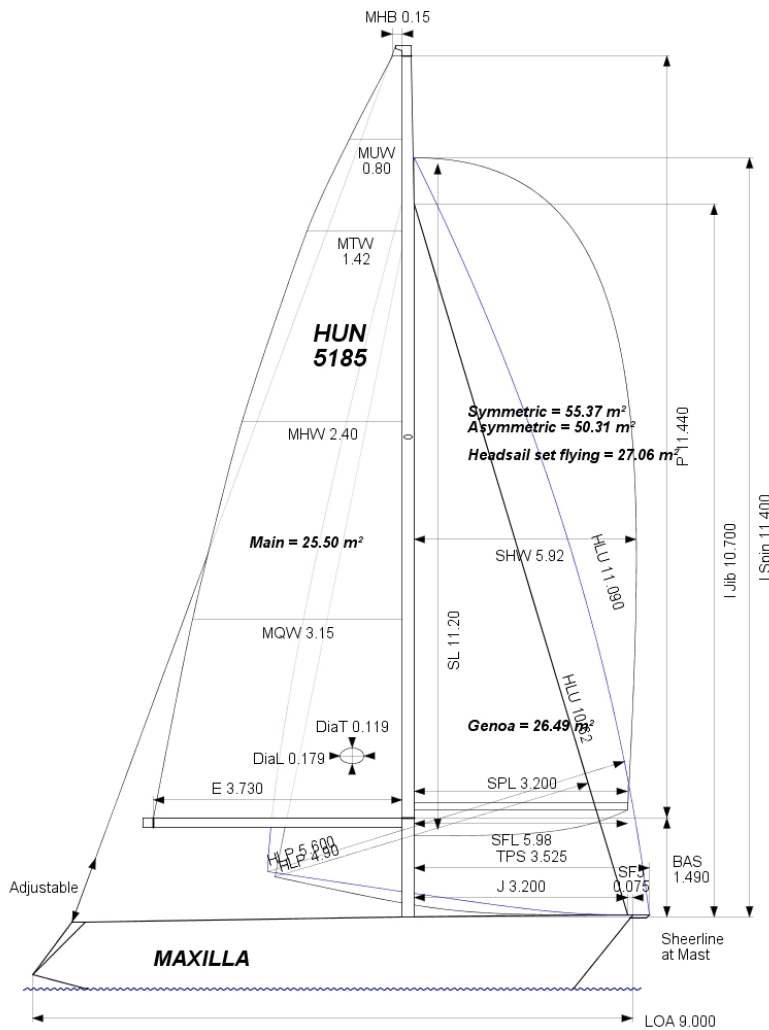
Limit Positive Stab.: **122.2°**  
Stability Index: **121.3**

### Owner

Béla Pető  
Nagy-Eged út 67  
Eger  
Hungary

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

Signature



BOAT		GPH	HULL			
Name <b>Maxilla</b>	Sail Nr <b>HUN-5185</b>	<b>707.8</b>	Data File <b>HUN5185</b>	LOA <b>9.000m</b>		
			Offset File <b>MAXI900.OFF</b>	MB <b>3.096m</b>		
			Displacement <b>3,690kg</b>	Draft <b>1.738m</b>		
<b>CLASS</b>			IMS Division <b>Cruiser/Racer</b>	Dynamic All. <b>0.366%</b>		
Class <b>Maxi 900 mod.</b>	Designer <b>Doug Petterson</b>		Fwd Accom. <b>Yes</b>	Construction <b>Solid</b>		
Builder <b>Maxi Yachts</b>	Series <b>01/1986</b>		Fiber Rigging <b>No</b>	Aramid Core <b>No</b>		
Age Date <b>06/1994</b>	Age Allowance <b>0.487%</b>		Crew Arm Ex	Carbon Rudder <b>No</b>		
				Light Stanchions <b>No</b>		
<b>COMMENTS</b>			IMSL <b>7.600m</b>	VCGD <b>-0.013m</b>		
			RL <b>6.463m</b>	VCGM <b>-0.002m</b>		
			LSM0 <b>7.637m</b>	Displacement/Length ratio <b>8.2843</b>		
			Water Ballast <b>0</b>	Trim Tab <b>No</b>		
			BLR Index <b>0.0000</b>			
<b>PROPELLER</b>			<b>CENTERBOARD</b>			
Installation <b>Strut</b>	PRD <b>0.370</b>		<b>NA</b>			
Type <b>Folding 2 blades</b>	PIPA <b>0.0031</b>					
<b>SCORING OPTIONS</b>						
	<b>COASTAL / LONG DISTANCE</b>			<b>WINDWARD / LEEWARD</b>		
Time on Distance	<b>689.2</b>			<b>769.6</b>		
Time on Time	<b>0.8706</b>			<b>0.8771</b>		
Triple Number	Low	Medium	High	Low	Medium	High
Time on Distance	<b>804.5</b>	<b>627.9</b>	<b>569.7</b>	<b>1037.8</b>	<b>771.8</b>	<b>684.3</b>
Time on Time	<b>0.8390</b>	<b>1.0750</b>	<b>1.1848</b>	<b>0.6504</b>	<b>0.8746</b>	<b>0.9864</b>



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# 2018

## ORC Club Certificate Appendix

<b>BOAT</b>	
Name <b>Maxilla</b>	Certificate Number <b>026/18</b>
Sail Nr <b>HUN-5185</b>	Issued On <b>20/07/2018</b>

<b>TIME ALLOWANCES</b>							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	<b>1177.2</b>	<b>990.0</b>	<b>882.8</b>	<b>830.6</b>	<b>816.6</b>	<b>814.1</b>	<b>836.3</b>
52°	<b>774.5</b>	<b>652.3</b>	<b>594.8</b>	<b>574.7</b>	<b>567.3</b>	<b>564.0</b>	<b>563.6</b>
60°	<b>728.2</b>	<b>616.5</b>	<b>575.0</b>	<b>557.5</b>	<b>549.8</b>	<b>545.6</b>	<b>543.6</b>
75°	<b>688.8</b>	<b>594.5</b>	<b>561.4</b>	<b>543.5</b>	<b>530.5</b>	<b>521.5</b>	<b>514.2</b>
90°	<b>698.3</b>	<b>599.2</b>	<b>556.0</b>	<b>534.0</b>	<b>518.1</b>	<b>501.1</b>	<b>483.8</b>
110°	<b>718.5</b>	<b>598.3</b>	<b>553.2</b>	<b>526.7</b>	<b>503.5</b>	<b>483.8</b>	<b>461.7</b>
120°	<b>743.5</b>	<b>613.2</b>	<b>560.2</b>	<b>532.3</b>	<b>506.9</b>	<b>483.8</b>	<b>449.1</b>
135°	<b>819.5</b>	<b>670.6</b>	<b>585.7</b>	<b>550.1</b>	<b>524.7</b>	<b>500.0</b>	<b>456.6</b>
150°	<b>956.9</b>	<b>762.0</b>	<b>647.8</b>	<b>580.0</b>	<b>548.5</b>	<b>524.7</b>	<b>479.6</b>
Run VMG	<b>1105.0</b>	<b>878.9</b>	<b>744.4</b>	<b>651.8</b>	<b>588.4</b>	<b>554.5</b>	<b>508.2</b>
<b>Selected Courses</b>							
Windward / Leeward	<b>1141.1</b>	<b>934.5</b>	<b>813.6</b>	<b>741.2</b>	<b>702.5</b>	<b>684.3</b>	<b>672.3</b>
Circular Random	<b>967.4</b>	<b>784.0</b>	<b>686.8</b>	<b>631.6</b>	<b>599.0</b>	<b>579.4</b>	<b>558.4</b>
Coastal / Long Distance	<b>1137.5</b>	<b>877.1</b>	<b>733.7</b>	<b>650.8</b>	<b>609.6</b>	<b>578.0</b>	<b>527.4</b>
Non Spinnaker	<b>1018.0</b>	<b>819.4</b>	<b>712.8</b>	<b>651.5</b>	<b>615.0</b>	<b>592.9</b>	<b>570.4</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>42.3°</b>	<b>41.4°</b>	<b>41.6°</b>	<b>40.5°</b>	<b>40.1°</b>	<b>40.8°</b>	<b>41.7°</b>
Beat VMG	<b>3.06</b>	<b>3.64</b>	<b>4.08</b>	<b>4.33</b>	<b>4.41</b>	<b>4.42</b>	<b>4.30</b>
52°	<b>4.65</b>	<b>5.52</b>	<b>6.05</b>	<b>6.26</b>	<b>6.35</b>	<b>6.38</b>	<b>6.39</b>
60°	<b>4.94</b>	<b>5.84</b>	<b>6.26</b>	<b>6.46</b>	<b>6.55</b>	<b>6.60</b>	<b>6.62</b>
75°	<b>5.23</b>	<b>6.06</b>	<b>6.41</b>	<b>6.62</b>	<b>6.79</b>	<b>6.90</b>	<b>7.00</b>
90°	<b>5.16</b>	<b>6.01</b>	<b>6.48</b>	<b>6.74</b>	<b>6.95</b>	<b>7.18</b>	<b>7.44</b>
110°	<b>5.01</b>	<b>6.02</b>	<b>6.51</b>	<b>6.83</b>	<b>7.15</b>	<b>7.44</b>	<b>7.80</b>
120°	<b>4.84</b>	<b>5.87</b>	<b>6.43</b>	<b>6.76</b>	<b>7.10</b>	<b>7.44</b>	<b>8.02</b>
135°	<b>4.39</b>	<b>5.37</b>	<b>6.15</b>	<b>6.54</b>	<b>6.86</b>	<b>7.20</b>	<b>7.88</b>
150°	<b>3.76</b>	<b>4.72</b>	<b>5.56</b>	<b>6.21</b>	<b>6.56</b>	<b>6.86</b>	<b>7.51</b>
Run VMG	<b>3.26</b>	<b>4.10</b>	<b>4.84</b>	<b>5.52</b>	<b>6.12</b>	<b>6.49</b>	<b>7.08</b>
Gybe Angles	<b>147.7°</b>	<b>152.2°</b>	<b>153.5°</b>	<b>163.6°</b>	<b>180.0°</b>	<b>180.0°</b>	<b>180.0°</b>