



World Leader in Rating Technology

## 2018 ORC Club Certificate

### Rating Office

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



### Certificate

Number **016/18**  
Issued On **08/06/2018**  
ORC Ref **HUN10014565**  
VPP Ver. **2018 1.00**  
Valid until **31/12/2018**

### Crew Weight

Default 544kg  
Maximum **544kg**  
Minimum\* **408kg**  
*\*when applied by the NoR and SI*  
Non Manual Pwr **No**

### Special Scoring

ToD ToT  
Non Spin GPH **666.0 0.9009**  
Non Spin OSN **645.6 0.9293**

### Sails Limitations

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

### Spinnaker configuration

Symmetric: **Yes 59.72**  
Asymmetric: **No**  
Flying H/S: **No**  
Spin. Pole: **Yes**

### Class Division Length

CDL = **8.724**

### Stability (Estimated)

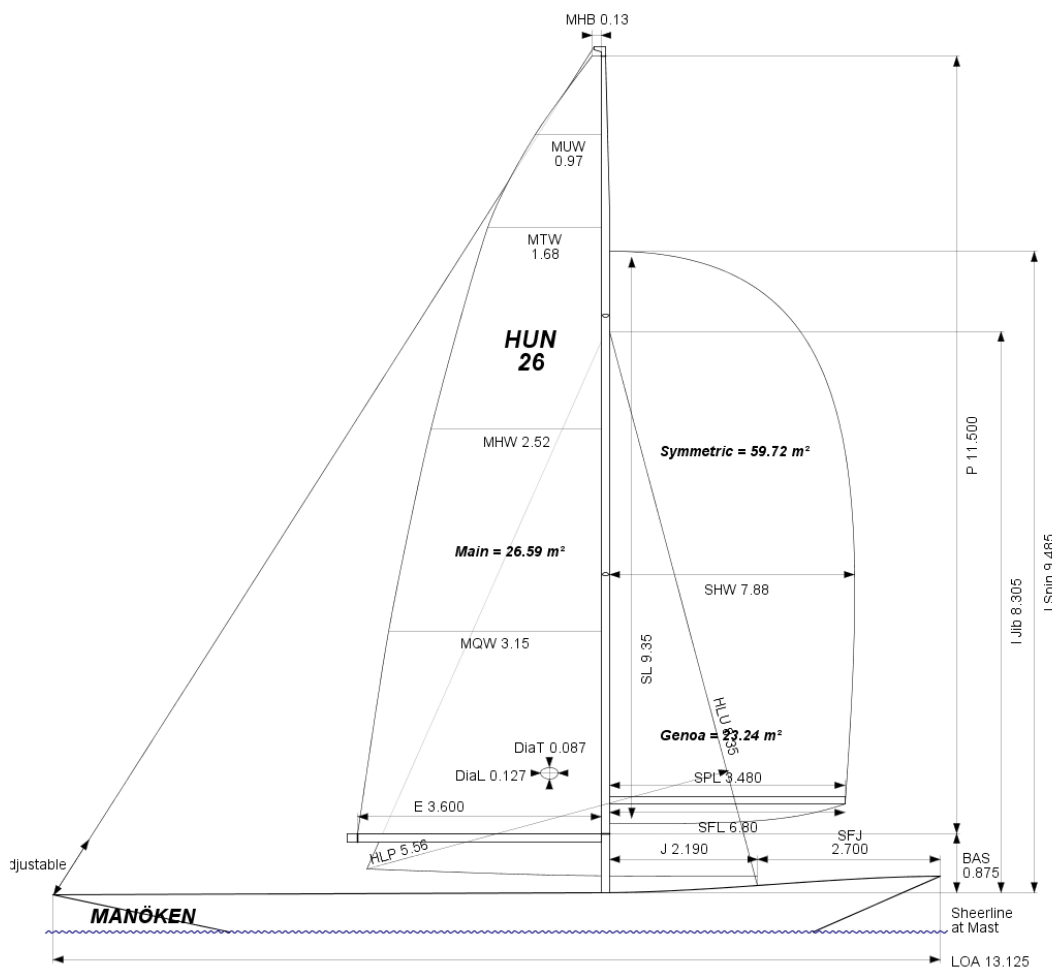
Limit Positive Stab.: **134.4°**  
Stability Index: **138.8**

### Owner

Tracon Budapest Kft  
Pallag utca 23  
2120 Dunakeszi  
HUNGARY

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

Signature



<b>BOAT</b> Name <b>Manöken</b> Sail Nr <b>HUN-26</b>		<b>GPH</b> <b>633.6</b>	<b>HULL</b> Data File <b>HUN26</b> LOA <b>13.125m</b> Offset File <b>skerry.off</b> MB <b>2.138m</b> Displacement <b>3,042kg</b> Draft <b>1.535m</b>			
<b>CLASS</b> Class <b>30 Skerry Cruiser</b> Designer <b>Jenő Benacsek</b> Builder <b>Style Yacht</b> Series <b>01/1938</b> Age Date <b>01/2006</b> Age Allowance <b>0.487%</b>		IMS Division <b>Performance</b> Dynamic All. <b>0.337%</b> Fwd Accom. <b>No</b> Construction <b>Cored</b> Fiber Rigging <b>No</b> Aramid Core <b>No</b> Crew Arm Ex Carbon Rudder <b>No</b> Light Stanchions <b>No</b>		IMSL <b>9.345m</b> VCGD <b>-0.400m</b> Sink <b>11.82kg/mm</b> RL <b>8.101m</b> VCGM <b>-0.374m</b> WS <b>18.55m²</b> LSM0 <b>8.480m</b> Displacement/Length ratio <b>4.9885</b>		
<b>COMMENTS</b>		Water Ballast <b>0</b> Trim Tab <b>No</b> BLR Index <b>0.0000</b>				
<b>PROPELLER</b> Type <b>No Propeller</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>614.0</b>			<b>693.9</b>		
Time on Time	<b>0.9773</b>			<b>0.9728</b>		
Triple Number	Low	Medium	High	Low	Medium	High
Time on Distance	<b>746.8</b>	<b>555.1</b>	<b>487.0</b>	<b>978.5</b>	<b>696.2</b>	<b>600.2</b>
Time on Time	<b>0.9039</b>	<b>1.2161</b>	<b>1.3860</b>	<b>0.6898</b>	<b>0.9695</b>	<b>1.1247</b>



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## ORC Club Certificate Appendix

BOAT	
Name	<b>Manöken</b>
Sail Nr	<b>HUN-26</b>
Certificate Number	<b>016/18</b>
Issued On	<b>08/06/2018</b>

TIME ALLOWANCES							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	<b>1104.1</b>	<b>891.6</b>	<b>782.4</b>	<b>741.9</b>	<b>722.8</b>	<b>711.7</b>	<b>716.1</b>
52°	<b>715.0</b>	<b>581.3</b>	<b>523.3</b>	<b>501.8</b>	<b>492.7</b>	<b>487.4</b>	<b>484.2</b>
60°	<b>671.1</b>	<b>550.3</b>	<b>504.8</b>	<b>483.6</b>	<b>473.5</b>	<b>467.6</b>	<b>462.2</b>
75°	<b>638.5</b>	<b>530.4</b>	<b>491.4</b>	<b>468.0</b>	<b>448.8</b>	<b>438.4</b>	<b>428.7</b>
90°	<b>649.0</b>	<b>534.4</b>	<b>488.0</b>	<b>465.9</b>	<b>442.7</b>	<b>422.4</b>	<b>400.0</b>
110°	<b>657.1</b>	<b>528.3</b>	<b>479.9</b>	<b>447.6</b>	<b>424.6</b>	<b>410.0</b>	<b>382.4</b>
120°	<b>685.4</b>	<b>542.5</b>	<b>487.3</b>	<b>453.0</b>	<b>421.9</b>	<b>394.0</b>	<b>359.6</b>
135°	<b>786.7</b>	<b>611.5</b>	<b>514.7</b>	<b>476.8</b>	<b>445.1</b>	<b>414.8</b>	<b>348.7</b>
150°	<b>935.0</b>	<b>726.4</b>	<b>594.1</b>	<b>515.2</b>	<b>479.3</b>	<b>450.0</b>	<b>393.8</b>
Run VMG	<b>1079.6</b>	<b>838.8</b>	<b>686.0</b>	<b>590.3</b>	<b>536.2</b>	<b>494.8</b>	<b>439.0</b>
Selected Courses							
Windward / Leeward	<b>1091.9</b>	<b>865.2</b>	<b>734.2</b>	<b>666.1</b>	<b>629.5</b>	<b>603.3</b>	<b>577.6</b>
Circular Random	<b>892.7</b>	<b>711.2</b>	<b>613.1</b>	<b>555.9</b>	<b>520.6</b>	<b>497.4</b>	<b>468.4</b>
Coastal / Long Distance	<b>1090.6</b>	<b>809.8</b>	<b>657.7</b>	<b>575.5</b>	<b>531.6</b>	<b>495.0</b>	<b>440.3</b>
Non Spinnaker	<b>948.1</b>	<b>751.5</b>	<b>644.0</b>	<b>580.4</b>	<b>540.7</b>	<b>514.6</b>	<b>482.1</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>44.0°</b>	<b>43.6°</b>	<b>42.3°</b>	<b>41.4°</b>	<b>41.0°</b>	<b>40.7°</b>	<b>41.7°</b>
Beat VMG	<b>3.26</b>	<b>4.04</b>	<b>4.60</b>	<b>4.85</b>	<b>4.98</b>	<b>5.06</b>	<b>5.03</b>
52°	<b>5.04</b>	<b>6.19</b>	<b>6.88</b>	<b>7.17</b>	<b>7.31</b>	<b>7.39</b>	<b>7.43</b>
60°	<b>5.36</b>	<b>6.54</b>	<b>7.13</b>	<b>7.44</b>	<b>7.60</b>	<b>7.70</b>	<b>7.79</b>
75°	<b>5.64</b>	<b>6.79</b>	<b>7.33</b>	<b>7.69</b>	<b>8.02</b>	<b>8.21</b>	<b>8.40</b>
90°	<b>5.55</b>	<b>6.74</b>	<b>7.38</b>	<b>7.73</b>	<b>8.13</b>	<b>8.52</b>	<b>9.00</b>
110°	<b>5.48</b>	<b>6.81</b>	<b>7.50</b>	<b>8.04</b>	<b>8.48</b>	<b>8.78</b>	<b>9.41</b>
120°	<b>5.25</b>	<b>6.64</b>	<b>7.39</b>	<b>7.95</b>	<b>8.53</b>	<b>9.14</b>	<b>10.01</b>
135°	<b>4.58</b>	<b>5.89</b>	<b>6.99</b>	<b>7.55</b>	<b>8.09</b>	<b>8.68</b>	<b>10.32</b>
150°	<b>3.85</b>	<b>4.96</b>	<b>6.06</b>	<b>6.99</b>	<b>7.51</b>	<b>8.00</b>	<b>9.14</b>
Run VMG	<b>3.33</b>	<b>4.29</b>	<b>5.25</b>	<b>6.10</b>	<b>6.71</b>	<b>7.28</b>	<b>8.20</b>
Gybe Angles	<b>144.5°</b>	<b>147.7°</b>	<b>145.2°</b>	<b>154.1°</b>	<b>165.9°</b>	<b>180.0°</b>	<b>180.0°</b>