



World Leader in Rating Technology

## 2016 ORC Club Certificate

### Rating Office

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



### Certificate

Number **012/16**  
Issued On **27.4.2016.**  
ORC Ref **HUN00062703**  
VPP Ver. **2016 1.01**  
Valid until **31.12.2016.**

### Crew Weight

Declared **500kg**  
Default\* **874kg**  
Non Manual Pwr **No**

### Special Scoring

ToD ToT  
Non Spin GPH **614.0 0.9772**  
Non Spin OSN **597.0 1.0050**  
N/S Perf. Line **-12.7 0.604**

### Sails Limitations

Headsails **7** Spinnakers **4**

### Spinnaker configuration

Symmetric: **No**  
Asymmetric: **Yes 172.46**  
Flying H/S: **No**  
Spin. Pole: **No**

### Class Division Length

CDL = **10.756**

### Stability

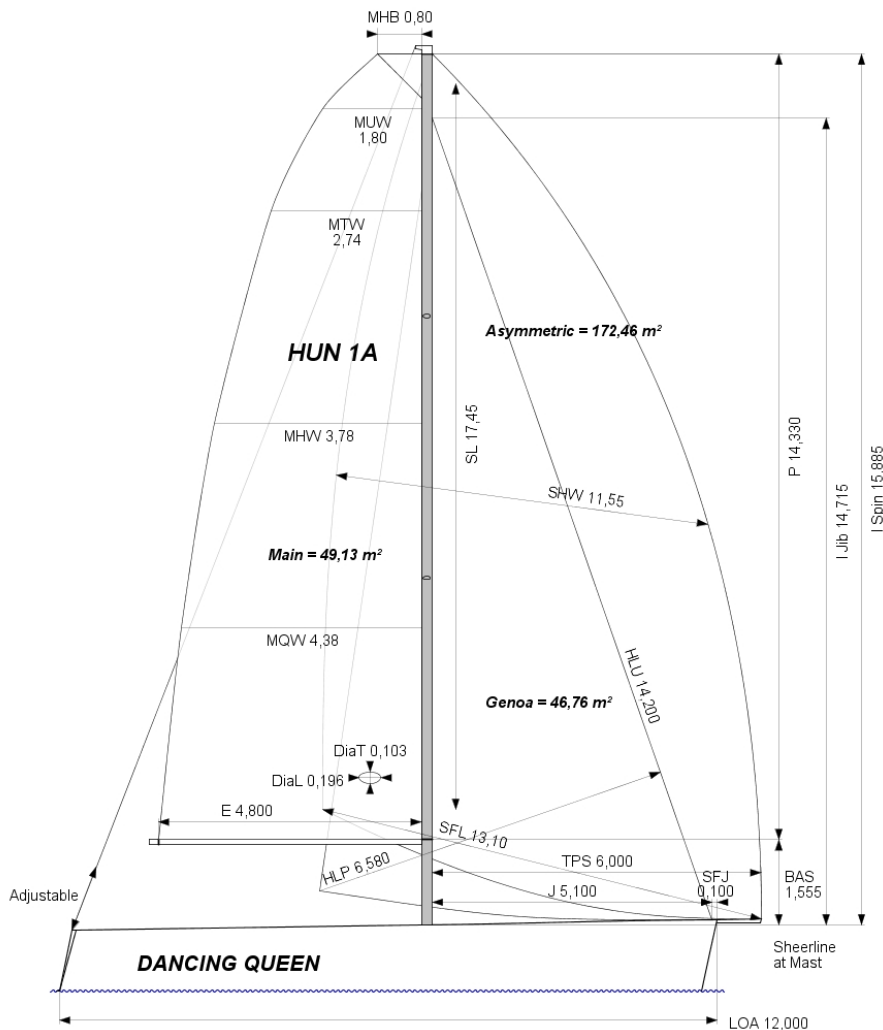
LPS (Estimated): **162.2°**  
Stability Index: **165.1**  
OSR Category: **N/A**

### Owner

István Strakovits  
Kócsag u. 54  
7400 Kaposvár  
Hungary

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

Signature



BOAT		GPH		HULL			
Name	<b>Dancing Queen</b>			Data File	<b>HUN1a.dxt</b>	LOA	<b>12.000m</b>
Sail Nr	<b>HUN 1a</b>			Offset File	<b>SP40_DV.off</b>	MB	<b>3.874m</b>
			<b>576.6</b>	Displacement	<b>7,500kg</b>	Draft	<b>1.932m</b>
CLASS				IMS Division	<b>Performance</b>	Dynamic All.	<b>0.000%</b>
Class	<b>Speeder 40</b>			Fwd Accom.	<b>Yes</b>	Construction	<b>Cored</b>
Designer	<b>Sándor Tarcsafalvi</b>			Fiber Rigging	<b>No</b>	Aramid Core	<b>No</b>
Builder	<b>Speederyacht</b>			Crew Arm Ex		Carbon Rudder	<b>No</b>
Series	<b>01.2015, CIN HUTLSSP401G515</b>					Light Stanchions	<b>No</b>
Age Date	<b>01.2015</b>			IMSL	<b>11.684m</b>	VCGD	<b>-1.740m</b>
Age Allowance	<b>0.033%</b>			RL	<b>9.827m</b>	VCGM	<b>-1.900m</b>
COMMENTS				WS	<b>31.64m2</b>	LSM0	<b>11.823m</b>
				Displacement/Length ratio	<b>4.5381</b>	Water Ballast <b>0</b> Trim Tab <b>No</b>	
PROPELLER				CENTERBOARD			
Installation	<b>Strut</b>	PRD	<b>0.406</b>	<b>N/A</b>			
Type	<b>Folding 3 blades</b>	PBW	<b>0.200</b>				
		PIPA	<b>0.0043</b>				
SCORING OPTIONS							
	OFFSHORE COASTAL / LONG DISTANCE			INSHORE WINDWARD / LEEWARD			
Time On Distance	<b>559.9</b>			<b>630.3</b>			
Time On Time	<b>1.0716</b>			<b>1.0710</b>			
Performance Line	PLT	PLD		PLT	PLD		
	<b>0.688</b>	<b>11.8</b>		<b>0.880</b>	<b>187.1</b>		
Triple Number	Low	Medium	High	Low	Medium	High	
	<b>1.0081</b>	<b>1.3238</b>	<b>1.5294</b>	<b>0.7729</b>	<b>1.0620</b>	<b>1.2436</b>	



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## ORC Club Certificate Appendix

<b>BOAT</b>	
Name	<b>Dancing Queen</b>
Sail Nr	<b>HUN 1a</b>
Certificate Number	<b>012/16</b>
Issued On	<b>27.4.2016.</b>

<b>TIME ALLOWANCES</b>							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	<b>1028.4</b>	<b>843.4</b>	<b>739.0</b>	<b>673.6</b>	<b>637.1</b>	<b>614.8</b>	<b>593.9</b>
52°	<b>659.5</b>	<b>549.6</b>	<b>489.5</b>	<b>462.0</b>	<b>446.8</b>	<b>436.0</b>	<b>422.8</b>
60°	<b>615.4</b>	<b>517.4</b>	<b>471.3</b>	<b>450.1</b>	<b>435.1</b>	<b>421.5</b>	<b>400.1</b>
75°	<b>578.5</b>	<b>493.4</b>	<b>458.8</b>	<b>439.8</b>	<b>422.6</b>	<b>404.3</b>	<b>370.1</b>
90°	<b>578.4</b>	<b>491.6</b>	<b>452.5</b>	<b>429.8</b>	<b>414.1</b>	<b>398.8</b>	<b>365.2</b>
110°	<b>577.7</b>	<b>481.2</b>	<b>444.5</b>	<b>418.4</b>	<b>390.2</b>	<b>364.4</b>	<b>334.8</b>
120°	<b>588.5</b>	<b>487.6</b>	<b>448.7</b>	<b>422.6</b>	<b>394.5</b>	<b>365.8</b>	<b>311.1</b>
135°	<b>661.1</b>	<b>526.9</b>	<b>466.1</b>	<b>439.1</b>	<b>414.4</b>	<b>387.8</b>	<b>332.5</b>
150°	<b>780.9</b>	<b>623.6</b>	<b>523.1</b>	<b>469.4</b>	<b>448.7</b>	<b>430.9</b>	<b>390.4</b>
Run VMG	<b>901.7</b>	<b>720.1</b>	<b>604.1</b>	<b>541.6</b>	<b>515.5</b>	<b>481.2</b>	<b>436.3</b>

<b>Selected Courses</b>							
Windward / Leeward	<b>965.0</b>	<b>781.7</b>	<b>671.5</b>	<b>607.6</b>	<b>576.3</b>	<b>548.0</b>	<b>515.1</b>
Circular Random	<b>802.0</b>	<b>644.8</b>	<b>559.4</b>	<b>508.3</b>	<b>475.0</b>	<b>451.2</b>	<b>416.5</b>
Ocean for PCS	<b>985.4</b>	<b>758.1</b>	<b>628.6</b>	<b>547.7</b>	<b>493.3</b>	<b>453.0</b>	<b>392.7</b>
Non Spinnaker	<b>866.7</b>	<b>691.8</b>	<b>595.0</b>	<b>536.2</b>	<b>497.9</b>	<b>471.3</b>	<b>435.4</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>42.9°</b>	<b>41.5°</b>	<b>39.8°</b>	<b>38.8°</b>	<b>37.3°</b>
Beat VMG	<b>3.50</b>	<b>4.27</b>	<b>4.87</b>	<b>5.34</b>	<b>5.65</b>	<b>5.86</b>	<b>6.06</b>
52°	<b>5.46</b>	<b>6.55</b>	<b>7.35</b>	<b>7.79</b>	<b>8.06</b>	<b>8.26</b>	<b>8.51</b>
60°	<b>5.85</b>	<b>6.96</b>	<b>7.64</b>	<b>8.00</b>	<b>8.27</b>	<b>8.54</b>	<b>9.00</b>
75°	<b>6.22</b>	<b>7.30</b>	<b>7.85</b>	<b>8.19</b>	<b>8.52</b>	<b>8.90</b>	<b>9.73</b>
90°	<b>6.22</b>	<b>7.32</b>	<b>7.96</b>	<b>8.38</b>	<b>8.69</b>	<b>9.03</b>	<b>9.86</b>
110°	<b>6.23</b>	<b>7.48</b>	<b>8.10</b>	<b>8.60</b>	<b>9.23</b>	<b>9.88</b>	<b>10.75</b>
120°	<b>6.12</b>	<b>7.38</b>	<b>8.02</b>	<b>8.52</b>	<b>9.13</b>	<b>9.84</b>	<b>11.57</b>
135°	<b>5.45</b>	<b>6.83</b>	<b>7.72</b>	<b>8.20</b>	<b>8.69</b>	<b>9.28</b>	<b>10.83</b>
150°	<b>4.61</b>	<b>5.77</b>	<b>6.88</b>	<b>7.67</b>	<b>8.02</b>	<b>8.36</b>	<b>9.22</b>
Run VMG	<b>3.99</b>	<b>5.00</b>	<b>5.96</b>	<b>6.65</b>	<b>6.98</b>	<b>7.48</b>	<b>8.25</b>
Gybe Angles	<b>143.8°</b>	<b>147.8°</b>	<b>147.1°</b>	<b>150.8°</b>	<b>152.2°</b>	<b>176.0°</b>	<b>177.7°</b>