



World Leader in Rating Technology

## 2018 ORC Club Certificate

### Rating Office

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



### Certificate

Number **013/18**  
Issued On **08/06/2018**  
ORC Ref **HUN10014561**  
VPP Ver. **2018 1.00**  
Valid until **31/12/2018**

### Crew Weight

Default 617kg  
Maximum **320kg**  
Minimum\* **235kg**  
*\*when applied by the NoR and SI*  
Non Manual Pwr **No**

### Special Scoring

ToD ToT  
Non Spin GPH **638.9 0.9391**  
Non Spin OSN **622.5 0.9638**

### Sails Limitations

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

**Spinnaker configuration**  
Symmetric: **Yes 105.12**  
Asymmetric: **No**  
Flying H/S: **No**  
Spin. Pole: **Yes**

### Class Division Length

CDL = **9.022**

### Stability (Estimated)

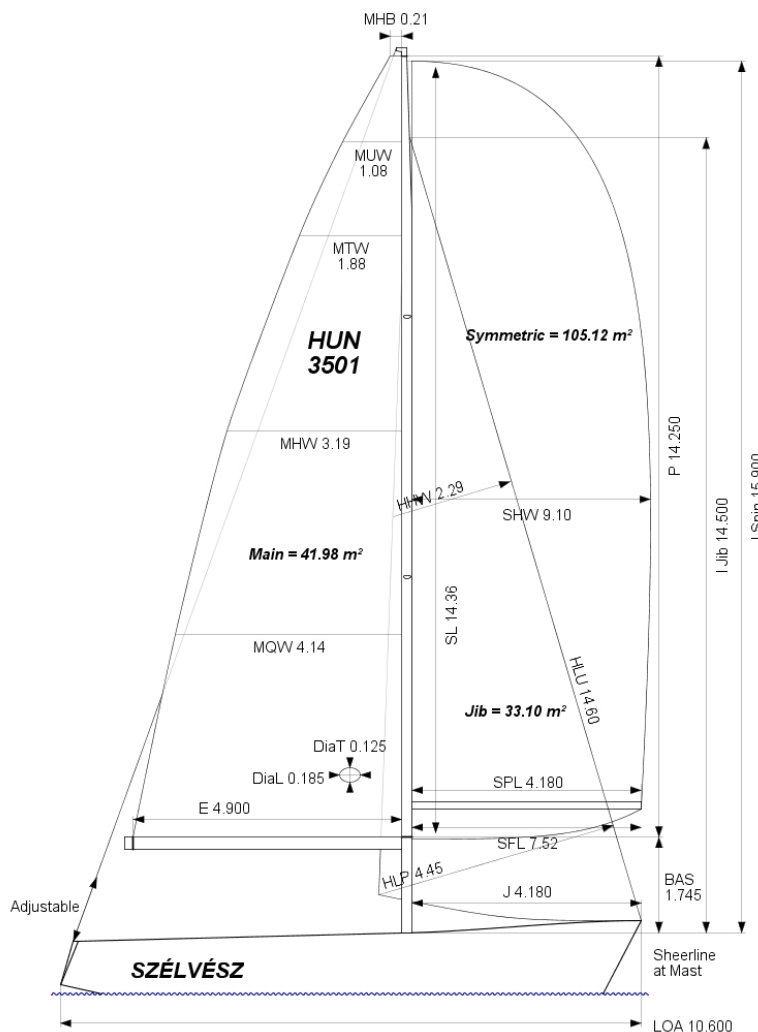
Limit Positive Stab.: **124.2°**  
Stability Index: **125.2**

### Owner

István Soós  
Csallókoz u. 9  
1222 Budapest  
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>Szélvész</b> Sail Nr <b>HUN-3501</b>		<b>605.0</b>		Data File <b>HUN3501</b>	LOA <b>10.600m</b>				
				Offset File <b>X35SD.OFF</b>	MB <b>3.250m</b>				
				Displacement <b>4,599kg</b>	Draft <b>1.867m</b>				
<b>CLASS</b>				IMS Division <b>Cruiser/Racer</b>	Dynamic All. <b>0.000%</b>				
Class <b>X-35 SD</b>				Fwd Accom. <b>Yes</b>	Construction <b>Cored</b>				
Designer <b>Jeppesen</b>				Fiber Rigging <b>No</b>	Aramid Core <b>No</b>				
Builder <b>X-Yachts</b>				Crew Arm Ex	Carbon Rudder <b>No</b>				
Series <b>01/2005</b>					Light Stanchions <b>No</b>				
Age Date <b>02/2008</b>				IMSL <b>9.474m</b>	VCGD <b>-0.098m</b>	Sink <b>17.80kg/mm</b>			
Age Allowance <b>0.422%</b>				RL <b>8.568m</b>	VCGM <b>-0.114m</b>	WS <b>22.99m<sup>2</sup></b>			
<b>COMMENTS</b>				LSM0 <b>9.258m</b>	Displacement/Length ratio <b>5.7958</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>0.415</b>			<b>N/A</b>					
Type <b>Folding 2 blades</b>	PBW <b>0.120</b>								
	PIPA <b>0.0031</b>								
<b>SCORING OPTIONS</b>									
	<b>COASTAL / LONG DISTANCE</b>					<b>WINDWARD / LEEWARD</b>			
Time on Distance	<b>590.5</b>					<b>658.1</b>			
Time on Time	<b>1.0160</b>					<b>1.0257</b>			
Triple Number	Low	Medium	High	Low	Medium	High			
Time on Distance	<b>674.6</b>	<b>541.3</b>	<b>491.1</b>	<b>863.9</b>	<b>660.6</b>	<b>587.3</b>			
Time on Time	<b>1.0006</b>	<b>1.2471</b>	<b>1.3745</b>	<b>0.7813</b>	<b>1.0218</b>	<b>1.1493</b>			



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# 2018

## ORC Club Certificate Appendix

BOAT	
Name	<b>Szélvész</b>
Certificate Number	<b>013/18</b>
Sail Nr	<b>HUN-3501</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>984.4</b>	<b>819.8</b>	<b>746.6</b>	<b>721.4</b>	<b>711.0</b>	<b>700.2</b>	<b>699.3</b>
52°	<b>649.4</b>	<b>551.6</b>	<b>516.6</b>	<b>506.1</b>	<b>501.4</b>	<b>498.5</b>	<b>492.3</b>
60°	<b>616.5</b>	<b>532.1</b>	<b>503.2</b>	<b>492.6</b>	<b>487.5</b>	<b>484.9</b>	<b>476.7</b>
75°	<b>592.4</b>	<b>519.8</b>	<b>492.6</b>	<b>476.6</b>	<b>466.9</b>	<b>461.3</b>	<b>456.3</b>
90°	<b>598.5</b>	<b>519.9</b>	<b>491.2</b>	<b>471.3</b>	<b>453.7</b>	<b>439.8</b>	<b>426.0</b>
110°	<b>598.2</b>	<b>510.0</b>	<b>478.1</b>	<b>460.3</b>	<b>446.0</b>	<b>432.9</b>	<b>410.6</b>
120°	<b>613.0</b>	<b>516.9</b>	<b>480.5</b>	<b>452.6</b>	<b>430.9</b>	<b>416.5</b>	<b>391.7</b>
135°	<b>674.5</b>	<b>551.9</b>	<b>498.9</b>	<b>469.4</b>	<b>440.4</b>	<b>412.7</b>	<b>359.7</b>
150°	<b>793.5</b>	<b>636.9</b>	<b>544.3</b>	<b>498.3</b>	<b>470.8</b>	<b>443.9</b>	<b>392.7</b>
Run VMG	<b>916.2</b>	<b>735.4</b>	<b>626.6</b>	<b>561.5</b>	<b>513.9</b>	<b>483.4</b>	<b>432.9</b>
Selected Courses							
Windward / Leeward	<b>950.3</b>	<b>777.6</b>	<b>686.6</b>	<b>641.5</b>	<b>612.4</b>	<b>591.8</b>	<b>566.1</b>
Circular Random	<b>816.6</b>	<b>666.2</b>	<b>587.9</b>	<b>543.9</b>	<b>517.1</b>	<b>499.1</b>	<b>474.6</b>
Coastal / Long Distance	<b>946.9</b>	<b>732.4</b>	<b>623.3</b>	<b>564.3</b>	<b>530.0</b>	<b>501.2</b>	<b>454.8</b>
Non Spinnaker	<b>878.6</b>	<b>709.6</b>	<b>619.7</b>	<b>568.1</b>	<b>536.5</b>	<b>515.9</b>	<b>489.6</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>42.4°</b>	<b>41.1°</b>	<b>39.9°</b>	<b>38.9°</b>	<b>38.6°</b>	<b>38.7°</b>	<b>39.6°</b>
Beat VMG	<b>3.66</b>	<b>4.39</b>	<b>4.82</b>	<b>4.99</b>	<b>5.06</b>	<b>5.14</b>	<b>5.15</b>
52°	<b>5.54</b>	<b>6.53</b>	<b>6.97</b>	<b>7.11</b>	<b>7.18</b>	<b>7.22</b>	<b>7.31</b>
60°	<b>5.84</b>	<b>6.77</b>	<b>7.15</b>	<b>7.31</b>	<b>7.38</b>	<b>7.42</b>	<b>7.55</b>
75°	<b>6.08</b>	<b>6.93</b>	<b>7.31</b>	<b>7.55</b>	<b>7.71</b>	<b>7.80</b>	<b>7.89</b>
90°	<b>6.02</b>	<b>6.92</b>	<b>7.33</b>	<b>7.64</b>	<b>7.93</b>	<b>8.19</b>	<b>8.45</b>
110°	<b>6.02</b>	<b>7.06</b>	<b>7.53</b>	<b>7.82</b>	<b>8.07</b>	<b>8.32</b>	<b>8.77</b>
120°	<b>5.87</b>	<b>6.97</b>	<b>7.49</b>	<b>7.95</b>	<b>8.35</b>	<b>8.64</b>	<b>9.19</b>
135°	<b>5.34</b>	<b>6.52</b>	<b>7.22</b>	<b>7.67</b>	<b>8.18</b>	<b>8.72</b>	<b>10.01</b>
150°	<b>4.54</b>	<b>5.65</b>	<b>6.61</b>	<b>7.22</b>	<b>7.65</b>	<b>8.11</b>	<b>9.17</b>
Run VMG	<b>3.93</b>	<b>4.90</b>	<b>5.75</b>	<b>6.41</b>	<b>7.01</b>	<b>7.45</b>	<b>8.32</b>
Gybe Angles	<b>143.7°</b>	<b>148.1°</b>	<b>152.2°</b>	<b>159.6°</b>	<b>180.0°</b>	<b>180.0°</b>	<b>180.0°</b>