



World Leader in Rating Technology

## 2018 ORC Club Certificate

### Rating Office

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



### Certificate

Number **024/18**  
Issued On **20/07/2018**  
ORC Ref **HUN10015079**  
VPP Ver. **2018 1.00**  
Valid until **31/12/2018**

### Crew Weight

Default 613kg  
Maximum **320kg**  
Minimum\* **235kg**  
*\*when applied by the NoR and SI*  
Non Manual Pwr **No**

### Special Scoring

	ToD	ToT
Non Spin GPH	<b>638.1</b>	<b>0.9403</b>
Non Spin OSN	<b>621.9</b>	<b>0.9648</b>

### Sails Limitations

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

**Spinnaker configuration**  
Symmetric: **Yes 92.19**  
Asymmetric: **No**  
Flying H/S: **No**  
Spin. Pole: **Yes**

### Class Division Length

**CDL = 9.007**

### Stability (Estimated)

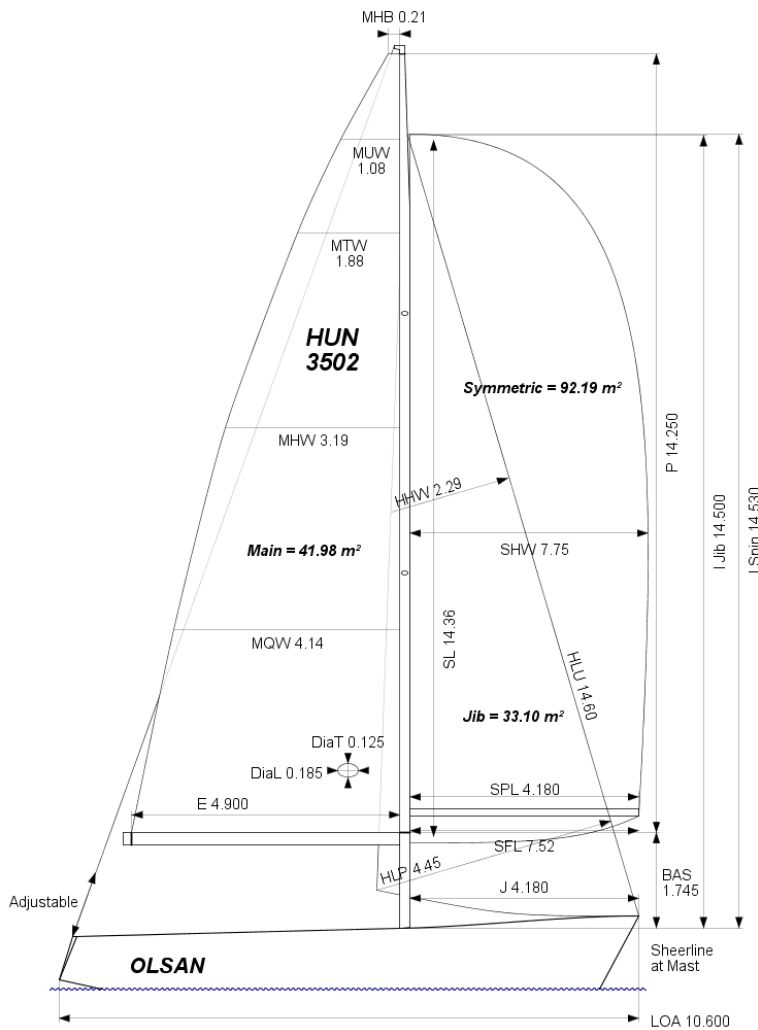
Limit Positive Stab.: **124.3°**  
Stability Index: **125.1**

### Owner

Zoltan Dobsai  
Kiskorosai u. 1  
6230 Soltvadkert  
HUNGARY

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

Signature



BOAT	GPH	HULL
Name <b>Olsan</b> Sail Nr <b>HUN-3502</b>	<b>608.7</b>	Data File <b>HUN3502</b> LOA <b>10.600m</b> Offset File <b>X35SD.OFF</b> MB <b>3.250m</b> Displacement <b>4,530kg</b> Draft <b>1.863m</b>
<b>CLASS</b> Class <b>X-35 SD</b> Designer <b>Jeppesen</b> Builder <b>X-Yachts</b> Series <b>01/2005</b> Age Date <b>02/2009</b> Age Allowance <b>0.422%</b>		IMS Division <b>Cruiser/Racer</b> Dynamic All. <b>0.000%</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>
<b>COMMENTS</b>		IMSL <b>9.448m</b> VCGD <b>-0.101m</b> Sink <b>17.72kg/mm</b> RL <b>8.564m</b> VCGM <b>-0.113m</b> WS <b>22.88m<sup>2</sup></b> LSM0 <b>9.219m</b> Displacement/Length ratio <b>5.7816</b>
<b>PROPELLER</b> Installation <b>Strut</b> PRD <b>0.415</b> Type <b>Folding 2 blades</b> PBW <b>0.120</b> PIPA <b>0.0031</b>		Water Ballast <b>0</b> Trim Tab <b>No</b> BLR Index <b>0.0000</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>594.2</b>	<b>662.9</b>
Time on Time	<b>1.0098</b>	<b>1.0183</b>
Triple Number	Low Medium High	Low Medium High
Time on Distance	<b>681.1 543.8 492.3</b>	<b>875.5 665.9 589.8</b>
Time on Time	<b>0.9910 1.2413 1.3712</b>	<b>0.7710 1.0137 1.1445</b>



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## ORC Club Certificate Appendix

<b>BOAT</b>	
Name <b>Olsan</b>	Certificate Number <b>024/18</b>
Sail Nr <b>HUN-3502</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>982.5</b>	<b>818.1</b>	<b>746.4</b>	<b>721.6</b>	<b>711.3</b>	<b>700.1</b>	<b>700.0</b>
52°	<b>647.9</b>	<b>550.7</b>	<b>516.4</b>	<b>506.1</b>	<b>501.5</b>	<b>498.4</b>	<b>492.4</b>
60°	<b>615.0</b>	<b>531.3</b>	<b>502.9</b>	<b>492.5</b>	<b>487.5</b>	<b>484.9</b>	<b>476.7</b>
75°	<b>591.0</b>	<b>519.1</b>	<b>492.0</b>	<b>476.1</b>	<b>466.6</b>	<b>461.1</b>	<b>455.4</b>
90°	<b>597.0</b>	<b>520.5</b>	<b>490.6</b>	<b>470.5</b>	<b>452.8</b>	<b>439.0</b>	<b>425.7</b>
110°	<b>607.8</b>	<b>514.5</b>	<b>480.1</b>	<b>456.6</b>	<b>442.3</b>	<b>428.8</b>	<b>409.1</b>
120°	<b>625.1</b>	<b>523.5</b>	<b>484.6</b>	<b>456.1</b>	<b>429.5</b>	<b>412.5</b>	<b>388.1</b>
135°	<b>691.1</b>	<b>563.6</b>	<b>505.3</b>	<b>475.4</b>	<b>447.2</b>	<b>419.8</b>	<b>364.6</b>
150°	<b>818.6</b>	<b>654.7</b>	<b>556.3</b>	<b>504.6</b>	<b>476.5</b>	<b>450.3</b>	<b>399.9</b>
Run VMG	<b>945.3</b>	<b>755.9</b>	<b>641.1</b>	<b>569.9</b>	<b>519.3</b>	<b>487.5</b>	<b>437.6</b>
<b>Selected Courses</b>							
Windward / Leeward	<b>963.9</b>	<b>787.0</b>	<b>693.7</b>	<b>645.8</b>	<b>615.3</b>	<b>593.8</b>	<b>568.8</b>
Circular Random	<b>823.8</b>	<b>671.2</b>	<b>591.4</b>	<b>546.2</b>	<b>518.8</b>	<b>500.6</b>	<b>476.1</b>
Coastal / Long Distance	<b>962.0</b>	<b>741.1</b>	<b>628.7</b>	<b>567.0</b>	<b>531.3</b>	<b>501.6</b>	<b>455.1</b>
Non Spinnaker	<b>877.3</b>	<b>708.7</b>	<b>619.1</b>	<b>567.6</b>	<b>536.1</b>	<b>515.5</b>	<b>489.3</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>42.5°</b>	<b>41.1°</b>	<b>39.8°</b>	<b>38.9°</b>	<b>38.5°</b>	<b>38.7°</b>	<b>39.6°</b>
Beat VMG	<b>3.66</b>	<b>4.40</b>	<b>4.82</b>	<b>4.99</b>	<b>5.06</b>	<b>5.14</b>	<b>5.14</b>
52°	<b>5.56</b>	<b>6.54</b>	<b>6.97</b>	<b>7.11</b>	<b>7.18</b>	<b>7.22</b>	<b>7.31</b>
60°	<b>5.85</b>	<b>6.78</b>	<b>7.16</b>	<b>7.31</b>	<b>7.38</b>	<b>7.42</b>	<b>7.55</b>
75°	<b>6.09</b>	<b>6.93</b>	<b>7.32</b>	<b>7.56</b>	<b>7.72</b>	<b>7.81</b>	<b>7.91</b>
90°	<b>6.03</b>	<b>6.92</b>	<b>7.34</b>	<b>7.65</b>	<b>7.95</b>	<b>8.20</b>	<b>8.46</b>
110°	<b>5.92</b>	<b>7.00</b>	<b>7.50</b>	<b>7.88</b>	<b>8.14</b>	<b>8.40</b>	<b>8.80</b>
120°	<b>5.76</b>	<b>6.88</b>	<b>7.43</b>	<b>7.89</b>	<b>8.38</b>	<b>8.73</b>	<b>9.28</b>
135°	<b>5.21</b>	<b>6.39</b>	<b>7.13</b>	<b>7.57</b>	<b>8.05</b>	<b>8.58</b>	<b>9.87</b>
150°	<b>4.40</b>	<b>5.50</b>	<b>6.47</b>	<b>7.13</b>	<b>7.56</b>	<b>8.00</b>	<b>9.00</b>
Run VMG	<b>3.81</b>	<b>4.76</b>	<b>5.62</b>	<b>6.32</b>	<b>6.93</b>	<b>7.38</b>	<b>8.23</b>
Gybe Angles	<b>142.3°</b>	<b>148.4°</b>	<b>151.6°</b>	<b>159.2°</b>	<b>180.0°</b>	<b>180.0°</b>	<b>180.0°</b>