



World Leader in Rating Technology

## 2016 ORC Club Certificate

### Rating Office

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



### Certificate

Number **018/16**  
Issued On **4.5.2016.**  
ORC Ref **HUN00062836**  
VPP Ver. **2016 1.01**  
Valid until **31.12.2016.**

### Crew Weight

Declared **500kg**  
Default\* **624kg**  
Non Manual Pwr **No**

### Special Scoring

	ToD	ToT
Non Spin GPH	<b>643.6</b>	<b>0.9323</b>
Non Spin OSN	<b>628.2</b>	<b>0.9551</b>
N/S Perf. Line	<b>26.9</b>	<b>0.631</b>

### Sails Limitations

Headsails **1** Spinnakers **3**

### Spinnaker configuration

Symmetric: **Yes 95.94**  
Asymmetric: **No**  
Flying H/S: **No**  
Spin. Pole: **Yes**

### Class Division Length

CDL = **8.949**

### Stability

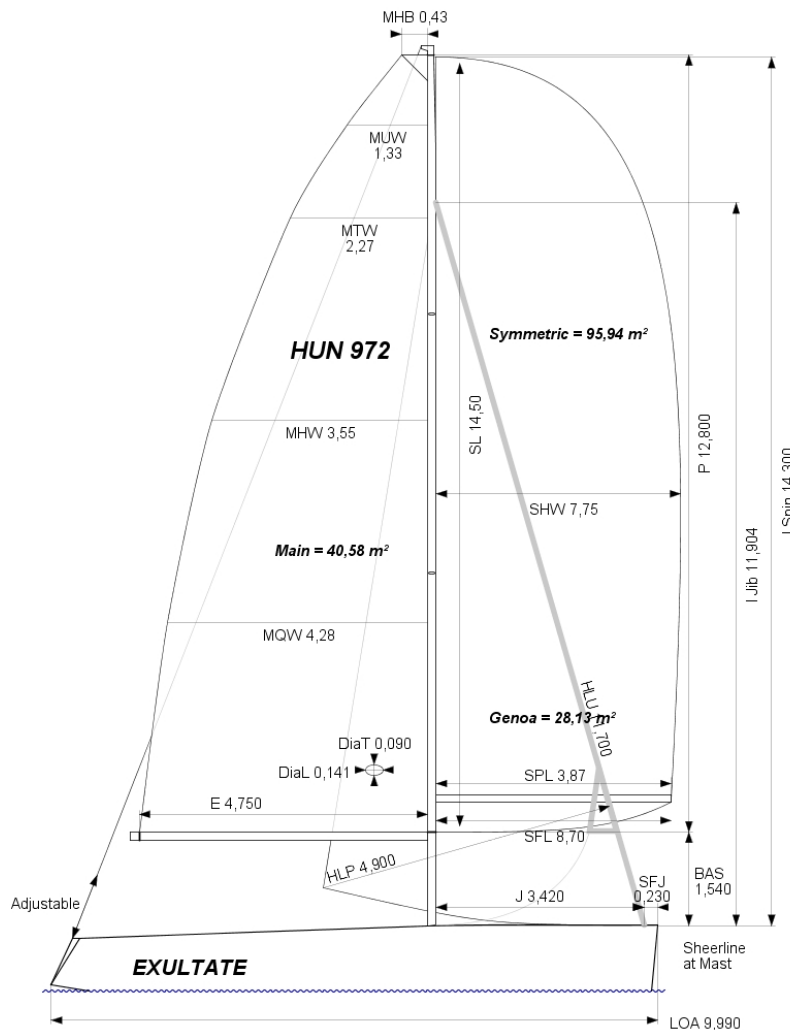
LPS (Estimated): **128.7°**  
Stability Index: **130.9**  
OSR Category: **N/A**

### Owner

Elemér Gidófalvy  
Váralja u. 9/a  
1013 Budapest  
HUNGARY

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

Signature



BOAT		GPH		HULL			
Name	<b>Exultate</b>		<b>612.5</b>	Data File	<b>HUN972.dxt</b>	LOA	<b>9.990m</b>
Sail Nr	<b>HUN 972</b>			Offset File	<b>DEH33C.OFF</b>	MB	<b>2.984m</b>
				Displacement	<b>3,953kg</b>	Draft	<b>1.748m</b>
CLASS				IMS Division	<b>Cruiser/Racer</b>	Dynamic All.	<b>0.000%</b>
Class	<b>Dehler 33</b>			Fwd Accom.	<b>Yes</b>	Construction	<b>Solid</b>
Designer	<b>Judel / Vrolijk</b>			Fiber Rigging	<b>No</b>	Aramid Core	<b>No</b>
Builder	<b>Dehler</b>			Crew Arm Ex		Carbon Rudder	<b>No</b>
Series	<b>01.1995, CIN DE-DEH611401798</b>					Light Stanchions	<b>No</b>
Age Date	<b>01.1998</b>			IMSL	<b>9.518m</b>	VCGD	<b>-0.175m</b>
Age Allowance	<b>0.487%</b>			RL	<b>8.379m</b>	VCGM	<b>-0.168m</b>
				WS	<b>20.94m2</b>		
				LSM0	<b>9.338m</b>	Displacement/Length ratio	<b>4.8547</b>
COMMENTS				Water Ballast	<b>0</b>	Trim Tab	<b>No</b>
PROPELLER				CENTERBOARD			
Installation	<b>Strut</b>	PRD	<b>0.385</b>	<b>N/A</b>			
Type	<b>Folding 2 blades</b>	PBW	<b>0.005</b>				
		PIPA	<b>0.0033</b>				
SCORING OPTIONS							
	OFFSHORE COASTAL / LONG DISTANCE			INSHORE WINDWARD / LEEWARD			
Time On Distance	<b>598.3</b>			<b>668.5</b>			
Time On Time	<b>1.0028</b>			<b>1.0097</b>			
Performance Line	PLT	PLD		PLT	PLD		
	<b>0.720</b>	<b>61.9</b>		<b>0.963</b>	<b>277.7</b>		
Triple Number	Low	Medium	High	Low	Medium	High	
	<b>0.9770</b>	<b>1.2353</b>	<b>1.3822</b>	<b>0.7542</b>	<b>1.0063</b>	<b>1.1493</b>	



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# 2016

## ORC Club Certificate Appendix

BOAT	
Name	<b>Exultate</b>
Sail Nr	<b>HUN 972</b>
Certificate Number	<b>018/16</b>
Issued On	<b>4.5.2016.</b>

TIME ALLOWANCES							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	<b>1036.3</b>	<b>864.2</b>	<b>769.5</b>	<b>729.5</b>	<b>709.5</b>	<b>698.8</b>	<b>691.4</b>
52°	<b>672.2</b>	<b>565.8</b>	<b>521.5</b>	<b>507.3</b>	<b>500.3</b>	<b>496.0</b>	<b>490.1</b>
60°	<b>629.5</b>	<b>538.5</b>	<b>505.8</b>	<b>492.4</b>	<b>485.1</b>	<b>480.6</b>	<b>474.4</b>
75°	<b>592.7</b>	<b>520.5</b>	<b>492.7</b>	<b>473.9</b>	<b>460.5</b>	<b>452.6</b>	<b>445.0</b>
90°	<b>592.9</b>	<b>520.2</b>	<b>492.8</b>	<b>471.0</b>	<b>449.2</b>	<b>431.6</b>	<b>414.5</b>
110°	<b>602.0</b>	<b>514.2</b>	<b>481.0</b>	<b>462.2</b>	<b>446.1</b>	<b>431.0</b>	<b>402.0</b>
120°	<b>618.0</b>	<b>521.8</b>	<b>485.7</b>	<b>454.2</b>	<b>431.2</b>	<b>415.6</b>	<b>385.8</b>
135°	<b>681.7</b>	<b>556.6</b>	<b>504.6</b>	<b>475.2</b>	<b>444.4</b>	<b>412.9</b>	<b>354.0</b>
150°	<b>805.5</b>	<b>648.7</b>	<b>551.7</b>	<b>503.8</b>	<b>476.4</b>	<b>447.9</b>	<b>390.3</b>
Run VMG	<b>930.1</b>	<b>749.1</b>	<b>635.6</b>	<b>566.1</b>	<b>518.1</b>	<b>488.4</b>	<b>435.3</b>

Selected Courses							
Windward / Leeward	<b>983.2</b>	<b>806.6</b>	<b>702.5</b>	<b>647.8</b>	<b>613.8</b>	<b>593.6</b>	<b>563.4</b>
Circular Random	<b>832.8</b>	<b>677.4</b>	<b>595.2</b>	<b>547.6</b>	<b>517.9</b>	<b>497.5</b>	<b>468.6</b>
Ocean for PCS	<b>1020.4</b>	<b>794.3</b>	<b>667.4</b>	<b>589.9</b>	<b>539.0</b>	<b>502.6</b>	<b>449.8</b>
Non Spinnaker	<b>889.4</b>	<b>717.2</b>	<b>624.4</b>	<b>570.1</b>	<b>536.1</b>	<b>513.2</b>	<b>483.3</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>43.8°</b>	<b>42.9°</b>	<b>42.0°</b>	<b>40.1°</b>	<b>39.0°</b>	<b>38.5°</b>	<b>38.9°</b>
Beat VMG	<b>3.47</b>	<b>4.17</b>	<b>4.68</b>	<b>4.94</b>	<b>5.07</b>	<b>5.15</b>	<b>5.21</b>
52°	<b>5.36</b>	<b>6.36</b>	<b>6.90</b>	<b>7.10</b>	<b>7.20</b>	<b>7.26</b>	<b>7.35</b>
60°	<b>5.72</b>	<b>6.69</b>	<b>7.12</b>	<b>7.31</b>	<b>7.42</b>	<b>7.49</b>	<b>7.59</b>
75°	<b>6.07</b>	<b>6.92</b>	<b>7.31</b>	<b>7.60</b>	<b>7.82</b>	<b>7.95</b>	<b>8.09</b>
90°	<b>6.07</b>	<b>6.92</b>	<b>7.30</b>	<b>7.64</b>	<b>8.01</b>	<b>8.34</b>	<b>8.68</b>
110°	<b>5.98</b>	<b>7.00</b>	<b>7.48</b>	<b>7.79</b>	<b>8.07</b>	<b>8.35</b>	<b>8.96</b>
120°	<b>5.82</b>	<b>6.90</b>	<b>7.41</b>	<b>7.93</b>	<b>8.35</b>	<b>8.66</b>	<b>9.33</b>
135°	<b>5.28</b>	<b>6.47</b>	<b>7.13</b>	<b>7.58</b>	<b>8.10</b>	<b>8.72</b>	<b>10.17</b>
150°	<b>4.47</b>	<b>5.55</b>	<b>6.53</b>	<b>7.15</b>	<b>7.56</b>	<b>8.04</b>	<b>9.22</b>
Run VMG	<b>3.87</b>	<b>4.81</b>	<b>5.66</b>	<b>6.36</b>	<b>6.95</b>	<b>7.37</b>	<b>8.27</b>
Gybe Angles	<b>141.5°</b>	<b>148.5°</b>	<b>151.6°</b>	<b>159.9°</b>	<b>180.0°</b>	<b>180.0°</b>	<b>180.0°</b>