



**2020**  
ORC Club  
Certificate

**Rating Office**  
Hellenic Sailing Federation  
Offshore Committee  
Επιτροπή  
Ανοικτής Θαλάσσης  
Ελληνικής  
Ιστιοπλοϊκής Ομοσπονδίας

**Certificate**  
Number **00988**  
Issued On **27/03/2020**  
ORC Ref **03420000F9Q**  
VPP Ver. **2020 1.01**  
Valid until **28/02/2021**

**Crew Weight**

Default	550kg
Maximum	<b>550kg</b>
Minimum*	<b>413kg</b>

*\*when applied by the NoR and SI*  
Non Manual Pwr **No**

**Special Scoring**

ToD	ToT
Non Spin GPH <b>729.7</b>	<b>0.8223</b>
Non Spin OSN <b>705.4</b>	<b>0.8506</b>

**Sails Limitations**

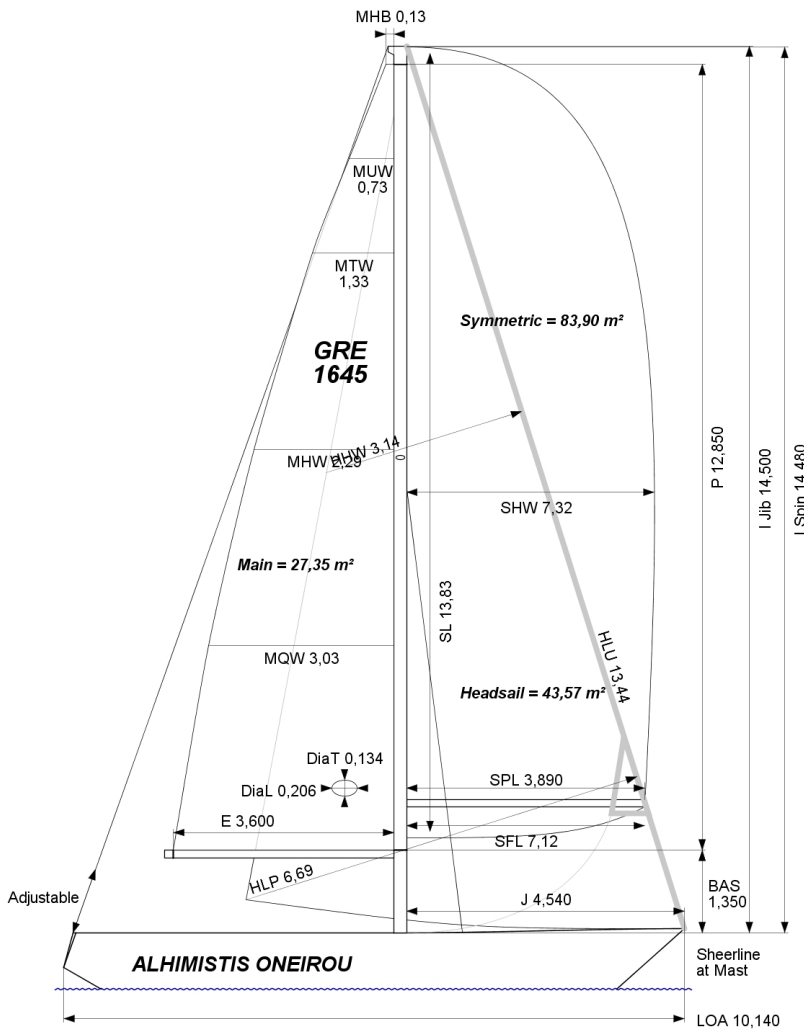
Headsails **1** Spinnakers **4**  
**Woven Polyester**

**Spinnaker configuration**  
Symmetric: **Yes** **83.90**  
Asymmetric: **No**  
Flying H/S: **No**  
Spin. Pole: **Yes**

**Class Division Length**  
CDL = **7.626**

**Stability (Estimated)**  
Limit Positive Stab.: **117.5°**  
Stability Index: **120.8**

**Owner**



<b>BOAT</b> Name <b>ALHIMISTIS ONEIROU</b> Sail Nr <b>GRE-1645</b>	<b>GPH</b> <b>697.5</b>	<b>HULL</b> Data File <b>GR1645</b> LOA <b>10.140m</b> Offset File <b>E152.BOF</b> MB <b>3.380m</b> Displacement <b>6,046kg</b> Draft <b>1.849m</b>
<b>CLASS</b> Class <b>JEANNEAU MELODY</b> Designer <b>Mauric/Vaton</b> Builder <b>JEANNEAU</b> Series <b>08/1976</b> Age Date <b>03/1980</b> Age Allowance <b>0.487%</b>		IMS Division <b>Cruiser/Racer</b> Dynamic All. <b>0.384%</b> Plan Review Construction <b>Solid</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> Builder's displacement.		IMSL <b>8.483m</b> VCGD <b>-0.075m</b> Sink <b>16.30kg/mm</b> RL <b>6.767m</b> VCGM <b>-0.051m</b> WS <b>24.38m²</b> LSM0 <b>8.541m</b> Displacement/Length ratio <b>9.7038</b>
<b>PROPELLER</b> Installation <b>Shaft exposed</b> PRD <b>0.460</b> Type <b>Solid 3 blades</b> PIPA <b>0.0264</b>		Water Ballast <b>0</b> Trim Tab <b>No</b> BLR Index <b>0.0000</b>
		<b>CENTERBOARD</b> <b>NA</b>
<b>SCORING OPTIONS</b>		
	<b>COASTAL / LONG DISTANCE</b>	<b>WINDWARD / LEEWARD</b>
Time on Distance	<b>675.5</b>	<b>754.1</b>
Time on Time	<b>0.8883</b>	<b>0.8951</b>
Triple Number	Low Medium High	Low Medium High
Time on Distance	<b>810.7 614.3 545.9</b>	<b>1044.7 760.3 652.9</b>
Time on Time	<b>0.8326 1.0989 1.2366</b>	<b>0.6461 0.8878 1.0338</b>

<b>BOAT</b>	
Name <b>ALHIMISTIS</b>	Sail Nr <b>GRE-1645</b>
File <b>GR1645</b>	Data in <b>meters/kilograms</b>

<b>RIG</b>	
Forestay Tension <b>Aft</b>	Spreaders <b>1</b>
Inner Stay <b>Fixed</b>	Runners/Checkstays <b>0</b>
Carbon Mast <b>No</b>	Jib Furler <b>Yes</b>
Fiber Rigging <b>No</b>	Main Furler <b>No</b>
Non-Circular Rigging <b>No</b>	
Articulated Bowsprit <b>No</b>	
P <b>12.850</b>	E <b>3.600</b> MDT1 <b>0.134</b> MW
IG <b>14.500</b>	J <b>4.540</b> MDL1 <b>0.206</b> GO
ISP <b>14.480</b>	SFJ <b>0.000</b> MDT2 <b></b> BD <b>0.123</b>
BAS <b>1.350</b>	SPL <b>3.890</b> MDL2 <b></b> MWT
FSD <b>-3.000</b>	TPS <b></b> TL <b>-3.000</b> MCG

<b>INCLINING TEST AND FREEBOARDS</b>	
Inclining Test <b>Club Estimated VCG</b>	
Flotation date <b>01/01/2013</b>	SG <b>1.0250</b>
FFM <b>0.981</b>	FF <b>0.981</b> SFFP <b>0.890</b>
FAM <b>0.918</b>	FA <b>0.918</b> SAFF <b>9.945</b>
LCF from stem on CL / on sheer	<b>5.623 / 5.858</b>
Maximum beam station from stem	<b>6.150</b>
RM Measured	<b>94.9kg-m</b>
RM Default	<b>92.1kg-m</b>
Limit of positive stability / Stab.Index	<b>117.5° / 120.8</b>
Freeboard at mast at 4.540	<b>0.923</b>



**ORC**  
Offshore Racing Congress  
World leader in rating technology

**2020**  
Measurements  
Datasheet

<b>MIZZEN RIG AND SAILS</b>	
N/A	

<b>PROPELLER</b>	
Installation <b>Shaft exposed</b>	PRD <b>0.460</b>
Type <b>Solid 3 blades</b>	PBW
Twin Screw <b>No</b>	PIPA <b>0.0264</b>
PSA	PHL ST3 ESL
PSD	ST1 ST4
PHD	ST2 ST5

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<b>COMMENTS</b>	
Builder's displacement.	

<b>MOVABLE BALLAST</b>	
N/A	

<b>CENTERBOARD</b>	
N/A	

<b>SAILS INVENTORY</b>																
<b>MAINSAIL (1)</b>																
Id	MHB	MUW	MTW	MHW	MQW	Area	Measurer	Meas.Date	Manufacture	Material	Comment					
1	0.13	0.73	1.33	2.29	3.03	27.36		25/02/2020	QUANTUM	Dacron						
<b>HEADSAILS (1)</b>																
Id	HHB	HUW	HTW	HHW	HQW	HLP	HLU	Ovrlp	Area	Btn	Flying	Measurer	Meas.Date	Manufacture	Material	Comment
1	0.07	0.78	1.53	3.14	4.88	6.69	13.44	147%	43.57	N	No		25/02/2020	QUANTUM	Dacron	
<b>SYMMETRIC SPINNAKERS (1)</b>																
Id	SLU	SLE	SL	SHW	SFL	Area	Measurer	Meas.Date	Manufacture	Material	Comment					
1	13.83	13.83	13.83	7.32	7.12	83.91		07/03/2018		Unknown						
<b>ASYMMETRIC SPINNAKERS (0)</b>																
Id	SLU	SLE	SL	SHW	SFL	Area	Kind	Measurer	Meas.Date	Manufacture	Material	Comment				

# 2020

## ORC Club Certificate Appendix

<b>BOAT</b>			
Name	<b>ALHIMISTIS ONEIROU</b>	Certificate Number	<b>00988</b>
Sail Nr	<b>GRE-1645</b>	Issued On	<b>27/03/2020</b>

<b>TIME ALLOWANCES</b>							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	<b>1205.3</b>	<b>994.8</b>	<b>876.5</b>	<b>811.7</b>	<b>785.3</b>	<b>772.3</b>	<b>768.7</b>
52°	<b>783.3</b>	<b>658.7</b>	<b>585.1</b>	<b>553.8</b>	<b>540.9</b>	<b>535.1</b>	<b>531.5</b>
60°	<b>738.3</b>	<b>624.1</b>	<b>563.5</b>	<b>538.8</b>	<b>526.3</b>	<b>519.6</b>	<b>515.0</b>
75°	<b>709.4</b>	<b>599.1</b>	<b>549.2</b>	<b>526.9</b>	<b>512.5</b>	<b>501.4</b>	<b>489.2</b>
90°	<b>719.0</b>	<b>603.3</b>	<b>546.6</b>	<b>523.8</b>	<b>507.6</b>	<b>493.4</b>	<b>470.6</b>
110°	<b>725.4</b>	<b>593.4</b>	<b>535.3</b>	<b>508.8</b>	<b>488.2</b>	<b>473.8</b>	<b>456.7</b>
120°	<b>746.1</b>	<b>608.2</b>	<b>541.1</b>	<b>511.8</b>	<b>488.7</b>	<b>468.1</b>	<b>441.0</b>
135°	<b>818.9</b>	<b>664.6</b>	<b>570.4</b>	<b>528.5</b>	<b>503.9</b>	<b>481.1</b>	<b>441.3</b>
150°	<b>958.1</b>	<b>755.8</b>	<b>640.1</b>	<b>564.3</b>	<b>528.1</b>	<b>505.3</b>	<b>463.8</b>
Run VMG	<b>1106.3</b>	<b>872.5</b>	<b>738.0</b>	<b>645.1</b>	<b>579.9</b>	<b>538.0</b>	<b>493.2</b>
<b>Selected Courses</b>							
Windward / Leeward	<b>1155.8</b>	<b>933.6</b>	<b>807.2</b>	<b>728.4</b>	<b>682.6</b>	<b>655.2</b>	<b>630.9</b>
Circular Random	<b>969.7</b>	<b>779.0</b>	<b>675.9</b>	<b>616.0</b>	<b>579.6</b>	<b>556.8</b>	<b>530.4</b>
Coastal / Long Distance	<b>1150.9</b>	<b>876.5</b>	<b>725.2</b>	<b>634.9</b>	<b>589.1</b>	<b>555.6</b>	<b>505.7</b>
Non Spinnaker	<b>1028.1</b>	<b>820.1</b>	<b>706.3</b>	<b>639.3</b>	<b>598.0</b>	<b>571.7</b>	<b>541.0</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>43.5°</b>	<b>42.0°</b>	<b>42.0°</b>	<b>41.6°</b>	<b>40.9°</b>	<b>40.5°</b>	<b>40.9°</b>
Beat VMG	<b>2.99</b>	<b>3.62</b>	<b>4.11</b>	<b>4.43</b>	<b>4.58</b>	<b>4.66</b>	<b>4.68</b>
52°	<b>4.60</b>	<b>5.46</b>	<b>6.15</b>	<b>6.50</b>	<b>6.66</b>	<b>6.73</b>	<b>6.77</b>
60°	<b>4.88</b>	<b>5.77</b>	<b>6.39</b>	<b>6.68</b>	<b>6.84</b>	<b>6.93</b>	<b>6.99</b>
75°	<b>5.07</b>	<b>6.01</b>	<b>6.55</b>	<b>6.83</b>	<b>7.02</b>	<b>7.18</b>	<b>7.36</b>
90°	<b>5.01</b>	<b>5.97</b>	<b>6.59</b>	<b>6.87</b>	<b>7.09</b>	<b>7.30</b>	<b>7.65</b>
110°	<b>4.96</b>	<b>6.07</b>	<b>6.72</b>	<b>7.08</b>	<b>7.37</b>	<b>7.60</b>	<b>7.88</b>
120°	<b>4.82</b>	<b>5.92</b>	<b>6.65</b>	<b>7.03</b>	<b>7.37</b>	<b>7.69</b>	<b>8.16</b>
135°	<b>4.40</b>	<b>5.42</b>	<b>6.31</b>	<b>6.81</b>	<b>7.14</b>	<b>7.48</b>	<b>8.16</b>
150°	<b>3.76</b>	<b>4.76</b>	<b>5.62</b>	<b>6.38</b>	<b>6.82</b>	<b>7.12</b>	<b>7.76</b>
Run VMG	<b>3.25</b>	<b>4.13</b>	<b>4.88</b>	<b>5.58</b>	<b>6.21</b>	<b>6.69</b>	<b>7.30</b>
Gybe Angles	<b>147.0°</b>	<b>151.0°</b>	<b>152.0°</b>	<b>156.0°</b>	<b>180.0°</b>	<b>180.0°</b>	<b>180.0°</b>