



**2020**  
**ORC Club**  
**Certificate**

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



**Certificate**  
 Number **00500**  
 Issued On **25/06/2020**  
 ORC Ref **03420000LEV**  
 VPP Ver. **2020 1.02**  
 Valid until **28/02/2021**

**Crew Weight**

Default	414kg
Maximum	320kg
Minimum*	235kg

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

**Special Scoring**

ToD	ToT
Non Spin GPH <b>850.2</b>	<b>0.7057</b>
Non Spin OSN <b>824.8</b>	<b>0.7275</b>

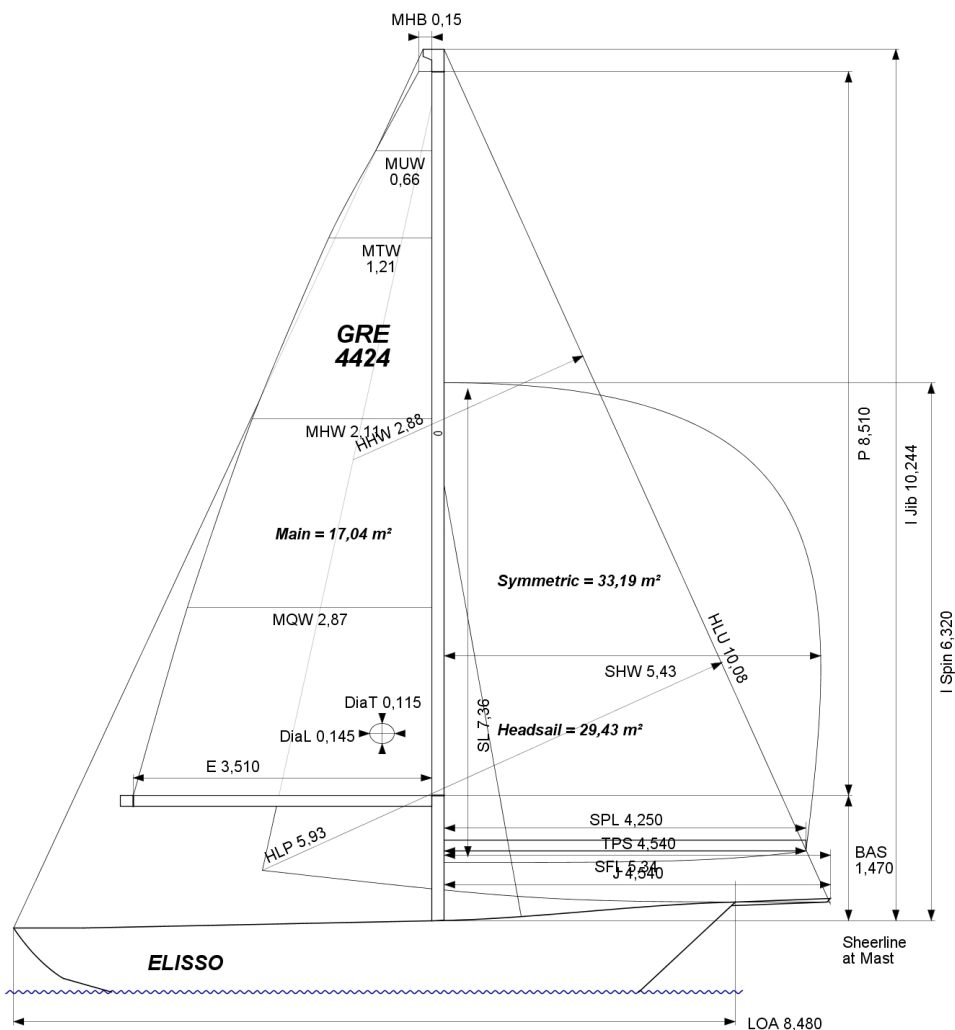
**Sails Limitations**  
 Headsails **5** Spinnakers **4**  
**Woven Polyester**

**Spinnaker configuration**  
 Symmetric: **Yes** **40.27**  
 Asymmetric: **No**  
 Flying H/S: **No**  
 Spin. Pole: **Yes**

**Class Division Length**  
**CDL = 5.533**

**Stability (Estimated)**  
 Limit Positive Stab.: **104.6°**  
 Stability Index: **109.2**

**Owner**



<b>BOAT</b> Name <b>ELISSO</b> Sail Nr <b>GRE-4424</b>		<b>GPH</b> <b>843.1</b>	<b>HULL</b> Data File <b>GR4424</b> LOA <b>8.480m</b> Offset File <b>CORINTH#.OFF</b> MB <b>2.730m</b> Displacement <b>4,220kg</b> Draft <b>1.149m</b>					
<b>CLASS</b> Class <b>CORINTHIAN 28</b> Designer Builder <b>DROMOR</b> Series <b>01/1978</b> Age Date <b>01/1980</b> Age Allowance <b>0.487%</b>			IMS Division <b>Cruiser/Racer</b> Dynamic All. <b>0.708%</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>			IMSL <b>7.105m</b> VCGD <b>0.118m</b> Sink <b>12.65kg/mm</b> RL <b>3.960m</b> VCGM <b>0.079m</b> WS <b>17.28m²</b> LSM0 <b>7.002m</b> Displacement/Length ratio <b>12.2927</b>		
<b>COMMENTS</b>			Water Ballast <b>0</b> Trim Tab <b>No</b> BLR Index <b>0.0000</b>					
<b>PROPELLER</b> Installation <b>Strut</b> PRD <b>0.406</b> Type <b>Solid 2 blades</b> PBW <b>0.120</b> PIPA <b>0.0170</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>818.9</b>				<b>931.3</b>			
Time on Time	<b>0.7327</b>				<b>0.7248</b>			
Triple Number	Low	Medium	High	Low	Medium	High		
Time on Distance	<b>993.8</b>	<b>740.5</b>	<b>644.9</b>	<b>1304.1</b>	<b>944.6</b>	<b>794.3</b>		
Time on Time	<b>0.6792</b>	<b>0.9116</b>	<b>1.0467</b>	<b>0.5176</b>	<b>0.7146</b>	<b>0.8498</b>		

<b>BOAT</b>	
Name <b>ELISSO</b>	Sail Nr <b>GRE-4424</b>
File <b>GR4424</b>	Data in <b>meters/kilograms</b>

<b>RIG</b>			
Forestay Tension <b>Fixed</b>	Spreaders <b>1</b>		
Inner Stay <b>Fixed</b>	Runners/Checkstays <b>0</b>		
Carbon Mast <b>No</b>	Jib Furler <b>No</b>		
Fiber Rigging <b>No</b>	Main Furler <b>No</b>		
Non-Circular Rigging <b>No</b>			
Articulated Bowsprit <b>No</b>			
P <b>8.510</b>	E <b>3.510</b>	MDT1 <b>0.115</b>	MW
IG <b>10.244</b>	J <b>4.540</b>	MDL1 <b>0.145</b>	GO
ISP <b>6.320</b>	SFJ <b>-1.120</b>	MDT2 <b>0.115</b>	BD
BAS <b>1.470</b>	SPL <b>4.250</b>	MDL2 <b>0.145</b>	MWT
FSD <b>0.000</b>	TPS <b>4.540</b>	TL <b>0.000</b>	MCG

<b>INCLINING TEST AND FREEBOARDS</b>			
Inclining Test <b>Club Estimated VCG</b>			
Flotation date <b>05/10/2003</b>		SG	
FFM <b>1.020</b>	FF <b>1.028</b>	SFFP <b>0.714</b>	
FAM <b>0.630</b>	FA <b>0.637</b>	SAFP <b>7.659</b>	
LCF from stem on CL / on sheer		<b>4.877 / 5.049</b>	
Maximum beam station from stem		<b>5.084</b>	
RM Measured		<b>59.5kg-m</b>	
RM Default		<b>57.8kg-m</b>	
Limit of positive stability / Stab.Index		<b>104.6° / 109.2</b>	
Freeboard at mast at 0.000		<b>0.841</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>Strut</b>	PRD <b>0.406</b>		
Type <b>Solid 2 blades</b>	PBW <b>0.120</b>		
Twin Screw <b>No</b>	PIPA <b>0.0170</b>		
ST1 <b>0.045</b>	ST3 <b>0.178</b>	ST5 <b>0.240</b>	
ST2 <b>0.178</b>	ST4 <b>0.113</b>	EDL <b>0.593</b>	

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<b>COMMENTS</b>	

<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					
ORC	0.15	0.66	1.21	2.11	2.87	17.05					* Copied from legacy					
<b>HEADSAILS (2)</b>																
Id	HHB	HUW	HTW	HHW	HQW	HLP	HLU	Ovrlp	Area	Btn	Flying	Measurer	Meas.Date	Manufacture	Material	Comment
1	0.06	0.72	1.41	2.88	4.38	5.93	10.08	131%	29.43	No			22/05/2012	KAKITSIS	Dacron	
2	0.04	0.45	0.90	1.84	2.82	3.85	9.33	85%	17.53	No			22/05/2012	KAKITSIS	Dacron	
<b>SYMMETRIC SPINNAKERS (1)</b>																
Id	SLU	SLE	SL	SHW	SFL	Area	Measurer	Meas.Date	Manufacture	Material	Comment					
1	7.36	7.36	7.36	5.43	5.34	33.20		22/05/2012	NORTH	Unknown	FUN					
<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>ELISSO</b>
Certificate Number	<b>00500</b>
Sail Nr	<b>GRE-4424</b>
Issued On	<b>25/06/2020</b>

<b>TIME ALLOWANCES</b>							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	<b>1535.9</b>	<b>1275.8</b>	<b>1146.0</b>	<b>1061.2</b>	<b>1008.9</b>	<b>980.0</b>	<b>968.7</b>
52°	<b>961.9</b>	<b>806.7</b>	<b>722.6</b>	<b>665.2</b>	<b>634.8</b>	<b>620.6</b>	<b>613.4</b>
60°	<b>876.5</b>	<b>745.6</b>	<b>666.4</b>	<b>621.6</b>	<b>599.6</b>	<b>589.6</b>	<b>582.8</b>
75°	<b>823.8</b>	<b>701.7</b>	<b>628.0</b>	<b>594.6</b>	<b>576.1</b>	<b>563.7</b>	<b>551.4</b>
90°	<b>824.2</b>	<b>696.8</b>	<b>620.1</b>	<b>586.4</b>	<b>565.1</b>	<b>549.8</b>	<b>529.2</b>
110°	<b>870.0</b>	<b>710.7</b>	<b>618.3</b>	<b>578.7</b>	<b>555.5</b>	<b>536.3</b>	<b>502.4</b>
120°	<b>915.9</b>	<b>728.7</b>	<b>630.2</b>	<b>585.6</b>	<b>561.0</b>	<b>540.6</b>	<b>502.9</b>
135°	<b>1018.8</b>	<b>807.3</b>	<b>679.2</b>	<b>609.2</b>	<b>576.2</b>	<b>554.4</b>	<b>515.4</b>
150°	<b>1173.8</b>	<b>912.1</b>	<b>760.1</b>	<b>661.1</b>	<b>604.3</b>	<b>575.1</b>	<b>536.2</b>
Run VMG	<b>1355.4</b>	<b>1049.5</b>	<b>872.0</b>	<b>750.0</b>	<b>666.8</b>	<b>610.9</b>	<b>559.5</b>
<b>Selected Courses</b>							
Windward / Leeward	<b>1445.7</b>	<b>1162.7</b>	<b>1009.0</b>	<b>905.6</b>	<b>837.9</b>	<b>795.4</b>	<b>764.1</b>
Circular Random	<b>1184.8</b>	<b>947.2</b>	<b>816.7</b>	<b>738.9</b>	<b>690.6</b>	<b>659.8</b>	<b>626.1</b>
Coastal / Long Distance	<b>1436.6</b>	<b>1084.3</b>	<b>893.1</b>	<b>769.7</b>	<b>700.0</b>	<b>651.9</b>	<b>583.7</b>
Non Spinnaker	<b>1193.9</b>	<b>955.0</b>	<b>823.8</b>	<b>745.4</b>	<b>696.4</b>	<b>665.1</b>	<b>630.0</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>47.6°</b>	<b>46.5°</b>	<b>47.3°</b>	<b>48.0°</b>	<b>48.4°</b>	<b>48.0°</b>	<b>48.2°</b>
Beat VMG	<b>2.34</b>	<b>2.82</b>	<b>3.14</b>	<b>3.39</b>	<b>3.57</b>	<b>3.67</b>	<b>3.72</b>
52°	<b>3.74</b>	<b>4.46</b>	<b>4.98</b>	<b>5.41</b>	<b>5.67</b>	<b>5.80</b>	<b>5.87</b>
60°	<b>4.11</b>	<b>4.83</b>	<b>5.40</b>	<b>5.79</b>	<b>6.00</b>	<b>6.11</b>	<b>6.18</b>
75°	<b>4.37</b>	<b>5.13</b>	<b>5.73</b>	<b>6.05</b>	<b>6.25</b>	<b>6.39</b>	<b>6.53</b>
90°	<b>4.37</b>	<b>5.17</b>	<b>5.81</b>	<b>6.14</b>	<b>6.37</b>	<b>6.55</b>	<b>6.80</b>
110°	<b>4.14</b>	<b>5.07</b>	<b>5.82</b>	<b>6.22</b>	<b>6.48</b>	<b>6.71</b>	<b>7.17</b>
120°	<b>3.93</b>	<b>4.94</b>	<b>5.71</b>	<b>6.15</b>	<b>6.42</b>	<b>6.66</b>	<b>7.16</b>
135°	<b>3.53</b>	<b>4.46</b>	<b>5.30</b>	<b>5.91</b>	<b>6.25</b>	<b>6.49</b>	<b>6.99</b>
150°	<b>3.07</b>	<b>3.95</b>	<b>4.74</b>	<b>5.45</b>	<b>5.96</b>	<b>6.26</b>	<b>6.71</b>
Run VMG	<b>2.66</b>	<b>3.43</b>	<b>4.13</b>	<b>4.80</b>	<b>5.40</b>	<b>5.89</b>	<b>6.43</b>
Gybe Angles	<b>150.0°</b>	<b>155.0°</b>	<b>162.0°</b>	<b>174.0°</b>	<b>178.0°</b>	<b>180.0°</b>	<b>180.0°</b>