



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

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



**Certificate**  
Number **00076**  
Issued On **10/06/2020**  
ORC Ref **0342000KC8**  
VPP Ver. **2020 1.02**  
Valid until **28/02/2021**

**Crew Weight**  
Default 513kg  
Maximum **500kg**  
Minimum\* **375kg**  
*\*when applied by the NoR and SI*  
Non Manual Pwr **No**

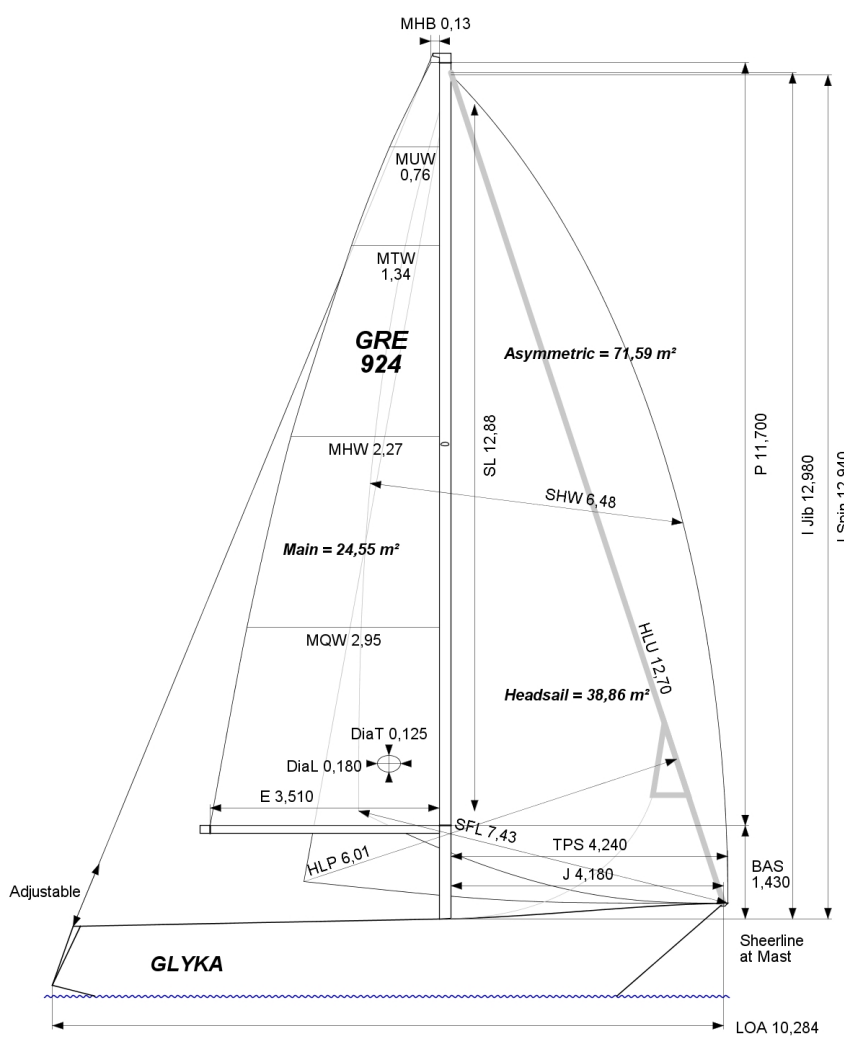
**Special Scoring**  
ToD ToT  
Non Spin GPH **750.5 0.7995**  
Non Spin OSN **725.4 0.8272**

**Sails Limitations**  
Headsails **1** Spinnakers **4**  
**Woven Polyester**  
**Asymmetric on centerline**  
**Spinnaker configuration**  
Symmetric: **No**  
Asymmetric: **Yes 71.59**  
Flying H/S: **No**  
Spin. Pole: **No**

**Class Division Length**  
**CDL = 7.218**

**Stability (Estimated)**  
Limit Positive Stab.: **122.6°**  
Stability Index: **126.6**

**Owner**



<b>BOAT</b> Name <b>GLYKA</b> Sail Nr <b>GRE-924</b>		<b>GPH</b> <b>724.3</b>	<b>HULL</b> Data File <b>GR924</b> LOA <b>10.284m</b> Offset File <b>E115.BOF</b> MB <b>3.266m</b> Displacement <b>5,894kg</b> Draft <b>1.875m</b>			
<b>CLASS</b> Class <b>DUFOUR 34</b> Designer <b>M.DUFOUR</b> Builder <b>DUFOUR SA</b> Series <b>01/1975</b> Age Date <b>01/1975</b> Age Allowance <b>0.487%</b>		IMS Division <b>Cruiser/Racer</b> Dynamic All. <b>0.679%</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> Freeboards raised 4mm due to fuel tank full 80 Ltr		IMSL <b>8.103m</b> VCGD <b>-0.074m</b> Sink <b>16.35kg/mm</b> RL <b>6.331m</b> VCGM <b>-0.010m</b> WS <b>23.94m²</b> LSM0 <b>8.136m</b> Displacement/Length ratio <b>10.9440</b> Water Ballast <b>0</b> Trim Tab <b>No</b> BLR Index <b>0.0000</b>				
<b>PROPELLER</b> Installation <b>Shaft non exposed</b> PRD <b>0.376</b> Type <b>Solid 3 blades</b> PIPA <b>0.0085</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>704.3</b>		<b>791.1</b>			
Time on Time	<b>0.8520</b>		<b>0.8533</b>			
Triple Number	Low	Medium	High	Low	Medium	High
Time on Distance	<b>836.7</b>	<b>639.9</b>	<b>568.4</b>	<b>1081.9</b>	<b>800.7</b>	<b>685.5</b>
Time on Time	<b>0.8067</b>	<b>1.0548</b>	<b>1.1875</b>	<b>0.6239</b>	<b>0.8430</b>	<b>0.9847</b>

<b>BOAT</b>	
Name <b>GLYKA</b>	Sail Nr <b>GRE-924</b>
File <b>GR924</b>	Data in <b>meters/kilograms</b>

<b>RIG</b>	
Forestay Tension <b>Aft</b>	Spreaders <b>1</b>
Inner Stay <b>None Fitted</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>11.700</b>	E <b>3.510</b> MDT1 <b>0.125</b> MW
IG <b>12.980</b>	J <b>4.180</b> MDL1 <b>0.180</b> GO
ISP <b>12.940</b>	SFJ <b>0.000</b> MDT2 <b>0.125</b> BD
BAS <b>1.430</b>	SPL <b>0.000</b> MDL2 <b>0.180</b> MWT
FSD <b>-3.000</b>	TPS <b>4.240</b> TL <b>0.000</b> MCG

<b>INCLINING TEST AND FREEBOARDS</b>	
Inclining Test <b>Club Estimated VCG</b>	
Flotation date <b>04/04/2007</b>	SG
FFM <b>1.363</b>	FF <b>1.391</b> SFFP <b>0.859</b>
FAM <b>1.013</b>	FA <b>0.998</b> SAFF <b>9.862</b>
LCF from stem on CL / on sheer	<b>6.036 / 6.244</b>
Maximum beam station from stem	<b>6.253</b>
RM Measured	<b>109.5kg-m</b>
RM Default	<b>106.3kg-m</b>
Limit of positive stability / Stab.Index	<b>122.6° / 126.6</b>
Freeboard at mast at 4.180	<b>1.186</b>




**2020**  
Measurements  
Datasheet

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

<b>PROPELLER</b>	
Installation <b>Shaft non exposed</b>	PRD <b>0.376</b>
Type <b>Solid 3 blades</b>	PBW
Twin Screw <b>No</b>	PIPA <b>0.0085</b>
PSA	PHD ESL
PSD	PHL

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<b>COMMENTS</b>	
Freeboards raised 4mm due to fuel tank full 80 Ltr	

<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	0.13	0.76	1.34	2.27	2.95	24.55					* Copied from legacy					
<b>HEADSAILS (1)</b>																
Id	HHB	HUW	HTW	HHW	HQW	HLP	HLU	Ovrlp	Area	Btn	Flying	Measurer	Meas.Date	Manufacture	Material	Comment
ORC						6.01	12.70	144%	38.86		No					* Copied from
<b>SYMMETRIC SPINNAKERS (0)</b>																
Id	SLU	SLE	SL	SHW	SFL	Area	Measurer	Meas.Date	Manufacture	Material	Comment					
<b>ASYMMETRIC SPINNAKERS (1)</b>																
Id	SLU	SLE	SL	SHW	SFL	Area	Kind	Measurer	Meas.Date	Manufacture	Material	Comment				
ORC	12.88	12.88	12.88	6.48	7.43	71.60	asym					* Copied from legacy *				

<b>MEASUREMENT INVENTORY</b>				
Measurer				
Date				
Comment				
<b>Internal Ballast total = 0.0</b>				
Id	Item	Weight	Distance	VCG Description
OR	Anchor	50.0	1.00	*Legacy Anchor*
Id	Item	Weight	Description	

<b>MEASUREMENT INVENTORY</b>				
Id	Item	Weight	Distance	VCG Description

# 2020

## ORC Club Certificate Appendix

<b>BOAT</b>	
Name <b>GLYKA</b>	Certificate Number <b>00076</b>
Sail Nr <b>GRE-924</b>	Issued On <b>10/06/2020</b>

<b>TIME ALLOWANCES</b>							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	<b>1246.6</b>	<b>1033.1</b>	<b>916.2</b>	<b>839.2</b>	<b>804.1</b>	<b>789.5</b>	<b>786.7</b>
52°	<b>804.7</b>	<b>682.7</b>	<b>607.6</b>	<b>571.6</b>	<b>555.6</b>	<b>549.3</b>	<b>546.2</b>
60°	<b>757.7</b>	<b>645.8</b>	<b>583.3</b>	<b>555.8</b>	<b>541.2</b>	<b>533.8</b>	<b>529.6</b>
75°	<b>724.8</b>	<b>617.6</b>	<b>566.7</b>	<b>543.2</b>	<b>527.7</b>	<b>516.0</b>	<b>503.8</b>
90°	<b>732.2</b>	<b>620.3</b>	<b>557.6</b>	<b>531.2</b>	<b>517.0</b>	<b>508.9</b>	<b>485.3</b>
110°	<b>739.3</b>	<b>611.1</b>	<b>553.0</b>	<b>525.8</b>	<b>504.1</b>	<b>484.4</b>	<b>461.3</b>
120°	<b>764.9</b>	<b>630.6</b>	<b>561.1</b>	<b>531.1</b>	<b>508.5</b>	<b>487.0</b>	<b>452.6</b>
135°	<b>844.1</b>	<b>689.1</b>	<b>593.9</b>	<b>549.1</b>	<b>524.3</b>	<b>503.1</b>	<b>465.0</b>
150°	<b>985.8</b>	<b>788.0</b>	<b>676.6</b>	<b>605.7</b>	<b>566.9</b>	<b>542.5</b>	<b>507.1</b>
Run VMG	<b>1138.3</b>	<b>910.0</b>	<b>781.3</b>	<b>699.4</b>	<b>639.1</b>	<b>584.6</b>	<b>532.9</b>
<b>Selected Courses</b>							
Windward / Leeward	<b>1192.4</b>	<b>971.5</b>	<b>848.7</b>	<b>769.3</b>	<b>721.6</b>	<b>687.0</b>	<b>659.8</b>
Circular Random	<b>1001.8</b>	<b>807.4</b>	<b>702.4</b>	<b>641.1</b>	<b>603.6</b>	<b>579.8</b>	<b>552.4</b>
Coastal / Long Distance	<b>1187.0</b>	<b>911.5</b>	<b>759.5</b>	<b>663.7</b>	<b>614.3</b>	<b>578.2</b>	<b>525.3</b>
Non Spinnaker	<b>1054.3</b>	<b>842.8</b>	<b>726.9</b>	<b>658.3</b>	<b>615.9</b>	<b>589.1</b>	<b>559.3</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>45.0°</b>	<b>42.0°</b>	<b>42.0°</b>	<b>41.8°</b>	<b>40.9°</b>	<b>40.5°</b>	<b>40.9°</b>
Beat VMG	<b>2.89</b>	<b>3.48</b>	<b>3.93</b>	<b>4.29</b>	<b>4.48</b>	<b>4.56</b>	<b>4.58</b>
52°	<b>4.47</b>	<b>5.27</b>	<b>5.92</b>	<b>6.30</b>	<b>6.48</b>	<b>6.55</b>	<b>6.59</b>
60°	<b>4.75</b>	<b>5.57</b>	<b>6.17</b>	<b>6.48</b>	<b>6.65</b>	<b>6.74</b>	<b>6.80</b>
75°	<b>4.97</b>	<b>5.83</b>	<b>6.35</b>	<b>6.63</b>	<b>6.82</b>	<b>6.98</b>	<b>7.15</b>
90°	<b>4.92</b>	<b>5.80</b>	<b>6.46</b>	<b>6.78</b>	<b>6.96</b>	<b>7.07</b>	<b>7.42</b>
110°	<b>4.87</b>	<b>5.89</b>	<b>6.51</b>	<b>6.85</b>	<b>7.14</b>	<b>7.43</b>	<b>7.80</b>
120°	<b>4.71</b>	<b>5.71</b>	<b>6.42</b>	<b>6.78</b>	<b>7.08</b>	<b>7.39</b>	<b>7.95</b>
135°	<b>4.26</b>	<b>5.22</b>	<b>6.06</b>	<b>6.56</b>	<b>6.87</b>	<b>7.16</b>	<b>7.74</b>
150°	<b>3.65</b>	<b>4.57</b>	<b>5.32</b>	<b>5.94</b>	<b>6.35</b>	<b>6.64</b>	<b>7.10</b>
Run VMG	<b>3.16</b>	<b>3.96</b>	<b>4.61</b>	<b>5.15</b>	<b>5.63</b>	<b>6.16</b>	<b>6.75</b>
Gybe Angles	<b>146.0°</b>	<b>146.8°</b>	<b>146.0°</b>	<b>147.0°</b>	<b>170.0°</b>	<b>172.5°</b>	<b>175.5°</b>