



**2020**  
ORC Club  
Certificate

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



**Certificate**  
Number **00249**  
Issued On **23/06/2020**  
ORC Ref **03420000L7V**  
VPP Ver. **2020 1.02**  
Valid until **28/02/2021**

**Crew Weight**

Default	454kg
Maximum	<b>170kg</b>
Minimum*	<b>85kg</b>

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

**Special Scoring**

ToD	ToT
Non Spin GPH <b>832.9</b>	<b>0.7204</b>
Non Spin OSN <b>803.6</b>	<b>0.7467</b>

**Sails Limitations**

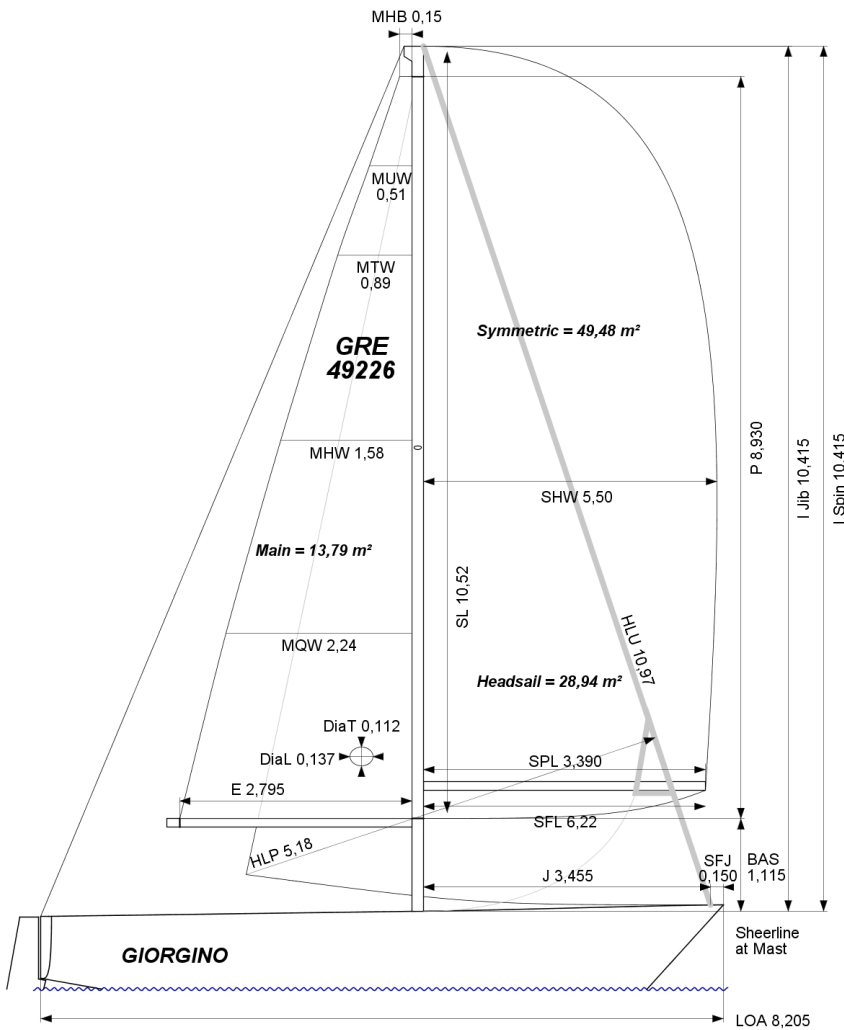
Headsails **1** Spinnakers **4**  
**Woven Polyester**

**Spinnaker configuration**  
Symmetric: **Yes** **49.48**  
Asymmetric: **No**  
Flying H/S: **No**  
Spin. Pole: **Yes**

**Class Division Length**  
CDL = **6.018**

**Stability (Estimated)**  
Limit Positive Stab.: **112.3°**  
Stability Index: **113.8**

**Owner**



<b>BOAT</b> Name <b>GIORGINO</b> Sail Nr <b>GRE-49226</b>		<b>GPH</b> <b>802.7</b>	<b>HULL</b> Data File <b>GR49226</b> LOA <b>8.205m</b> Offset File <b>G1091.BOF</b> MB <b>2.938m</b> Displacement <b>3,743kg</b> Draft <b>1.576m</b> IMS Division <b>Cruiser/Racer</b> Dynamic All. <b>0.632%</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>7.258m</b> VCGD <b>0.086m</b> Sink <b>12.47kg/mm</b> RL <b>4.778m</b> VCGM <b>0.080m</b> WS <b>18.41m²</b> LSM0 <b>7.471m</b> Displacement/Length ratio <b>8.9760</b> Water Ballast <b>0</b> Trim Tab <b>No</b> BLR Index <b>0.0000</b>																																
<b>CLASS</b> Class <b>MAXI 84</b> Designer <b>PELLE PETTERSSON</b> Builder <b>P.PETTERSSON</b> Series <b>06/1979</b> Age Date <b>01/1981</b> Age Allowance <b>0.487%</b>		<table border="1"> <tr><td colspan="7"><b>COMMENTS</b></td></tr> <tr><td colspan="7"><b>PROPELLER</b></td></tr> <tr><td>Installation</td><td><b>Strut</b></td><td>PRD</td><td><b>0.360</b></td><td colspan="3"></td></tr> <tr><td>Type</td><td><b>Solid 2 blades</b></td><td>PIPA</td><td><b>0.0131</b></td><td colspan="3"></td></tr> </table>						<b>COMMENTS</b>							<b>PROPELLER</b>							Installation	<b>Strut</b>	PRD	<b>0.360</b>				Type	<b>Solid 2 blades</b>	PIPA	<b>0.0131</b>			
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<b>SCORING OPTIONS</b>		<b>COASTAL / LONG DISTANCE</b>			<b>WINDWARD / LEEWARD</b>																														
Time on Distance	<b>776.9</b>			<b>872.2</b>																															
Time on Time	<b>0.7723</b>			<b>0.7739</b>																															
Triple Number	Low	Medium	High	Low	Medium	High																													
Time on Distance	<b>937.8</b>	<b>705.8</b>	<b>626.3</b>	<b>1207.7</b>	<b>880.6</b>	<b>756.6</b>																													
Time on Time	<b>0.7198</b>	<b>0.9563</b>	<b>1.0777</b>	<b>0.5589</b>	<b>0.7665</b>	<b>0.8921</b>																													
<b>CENTERBOARD</b> N/A																																			

<b>BOAT</b>	
Name <b>GIORGINO</b>	Sail Nr <b>GRE-49226</b>
File <b>GR49226</b>	Data in <b>meters/kilograms</b>

<b>INCLINING TEST AND FREEBOARDS</b>			
Inclining Test <b>Club Estimated VCG</b>			
Flotation date <b>20/01/2001</b>		SG	
FFM <b>0.992</b>	FF <b>1.000</b>	SFFP <b>0.870</b>	
FAM <b>0.870</b>	FA <b>0.876</b>	SAFP <b>8.114</b>	
LCF from stem on CL / on sheer		<b>4.900 / 5.111</b>	
Maximum beam station from stem		<b>4.861</b>	
RM Measured		<b>53.6kg-m</b>	
RM Default		<b>52.1kg-m</b>	
Limit of positive stability / Stab.Index		<b>112.3° / 113.8</b>	
Freeboard at mast at 3.605		<b>0.937</b>	



**2020**  
Measurements  
Datasheet


<b>RIG</b>			
Forestay Tension <b>Fixed</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>8.930</b>	E <b>2.795</b>	MDT1 <b>0.112</b>	MW
IG <b>10.415</b>	J <b>3.455</b>	MDL1 <b>0.137</b>	GO
ISP <b>10.415</b>	SFJ <b>0.150</b>	MDT2 <b>0.112</b>	BD
BAS <b>1.115</b>	SPL <b>3.390</b>	MDL2 <b>0.137</b>	MWT
FSD <b>-3.000</b>	TPS	TL <b>0.000</b>	MCG

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

<b>PROPELLER</b>			
Installation <b>Strut</b>	PRD <b>0.360</b>		
Type <b>Solid 2 blades</b>	PBW		
Twin Screw <b>No</b>	PIPA <b>0.0131</b>		
ST1	ST3	ST5	
ST2	ST4	EDL	

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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	0.00	0.51	0.89	1.58	2.24	13.80					* 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						5.18	0.00	150%	28.94		No					* Copied from
<b>SYMMETRIC SPINNAKERS (1)</b>																
Id	SLU	SLE	SL	SHW	SFL	Area	Measurer	Meas.Date	Manufacture	Material	Comment					
ORC	10.52	10.52	10.52	5.50	0.00	49.48					* Copied from legacy *					
<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>GIORGINO</b>
Sail Nr	<b>GRE-49226</b>
Certificate Number	<b>00249</b>
Issued On	<b>23/06/2020</b>

<b>TIME ALLOWANCES</b>							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	<b>1421.8</b>	<b>1169.9</b>	<b>1040.5</b>	<b>966.1</b>	<b>927.4</b>	<b>911.5</b>	<b>921.9</b>
52°	<b>915.3</b>	<b>772.3</b>	<b>688.5</b>	<b>638.6</b>	<b>617.3</b>	<b>610.4</b>	<b>611.1</b>
60°	<b>859.8</b>	<b>732.2</b>	<b>652.6</b>	<b>613.3</b>	<b>595.7</b>	<b>588.7</b>	<b>587.0</b>
75°	<b>819.7</b>	<b>699.0</b>	<b>627.0</b>	<b>594.9</b>	<b>577.8</b>	<b>566.6</b>	<b>557.5</b>
90°	<b>827.7</b>	<b>702.5</b>	<b>619.7</b>	<b>585.2</b>	<b>571.8</b>	<b>557.3</b>	<b>535.3</b>
110°	<b>829.0</b>	<b>683.5</b>	<b>604.9</b>	<b>572.1</b>	<b>550.2</b>	<b>532.1</b>	<b>514.0</b>
120°	<b>851.6</b>	<b>698.7</b>	<b>612.1</b>	<b>575.5</b>	<b>552.1</b>	<b>530.0</b>	<b>495.3</b>
135°	<b>939.0</b>	<b>757.0</b>	<b>648.1</b>	<b>593.6</b>	<b>565.9</b>	<b>543.2</b>	<b>499.9</b>
150°	<b>1087.2</b>	<b>853.4</b>	<b>722.5</b>	<b>636.0</b>	<b>591.3</b>	<b>566.2</b>	<b>523.8</b>
Run VMG	<b>1255.4</b>	<b>984.0</b>	<b>831.2</b>	<b>726.3</b>	<b>647.6</b>	<b>599.8</b>	<b>552.2</b>
<b>Selected Courses</b>							
Windward / Leeward	<b>1338.6</b>	<b>1076.9</b>	<b>935.8</b>	<b>846.2</b>	<b>787.5</b>	<b>755.7</b>	<b>737.1</b>
Circular Random	<b>1119.5</b>	<b>898.1</b>	<b>777.7</b>	<b>707.4</b>	<b>665.0</b>	<b>639.3</b>	<b>613.0</b>
Coastal / Long Distance	<b>1330.3</b>	<b>1010.9</b>	<b>838.0</b>	<b>731.0</b>	<b>673.8</b>	<b>634.6</b>	<b>577.4</b>
Non Spinnaker	<b>1173.8</b>	<b>936.5</b>	<b>806.3</b>	<b>729.4</b>	<b>682.4</b>	<b>653.3</b>	<b>623.0</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>45.0°</b>	<b>42.8°</b>	<b>42.0°</b>	<b>42.8°</b>	<b>43.5°</b>	<b>42.8°</b>	<b>43.5°</b>
Beat VMG	<b>2.53</b>	<b>3.08</b>	<b>3.46</b>	<b>3.73</b>	<b>3.88</b>	<b>3.95</b>	<b>3.90</b>
52°	<b>3.93</b>	<b>4.66</b>	<b>5.23</b>	<b>5.64</b>	<b>5.83</b>	<b>5.90</b>	<b>5.89</b>
60°	<b>4.19</b>	<b>4.92</b>	<b>5.52</b>	<b>5.87</b>	<b>6.04</b>	<b>6.11</b>	<b>6.13</b>
75°	<b>4.39</b>	<b>5.15</b>	<b>5.74</b>	<b>6.05</b>	<b>6.23</b>	<b>6.35</b>	<b>6.46</b>
90°	<b>4.35</b>	<b>5.12</b>	<b>5.81</b>	<b>6.15</b>	<b>6.30</b>	<b>6.46</b>	<b>6.72</b>
110°	<b>4.34</b>	<b>5.27</b>	<b>5.95</b>	<b>6.29</b>	<b>6.54</b>	<b>6.77</b>	<b>7.00</b>
120°	<b>4.23</b>	<b>5.15</b>	<b>5.88</b>	<b>6.26</b>	<b>6.52</b>	<b>6.79</b>	<b>7.27</b>
135°	<b>3.83</b>	<b>4.76</b>	<b>5.55</b>	<b>6.06</b>	<b>6.36</b>	<b>6.63</b>	<b>7.20</b>
150°	<b>3.31</b>	<b>4.22</b>	<b>4.98</b>	<b>5.66</b>	<b>6.09</b>	<b>6.36</b>	<b>6.87</b>
Run VMG	<b>2.87</b>	<b>3.66</b>	<b>4.33</b>	<b>4.96</b>	<b>5.56</b>	<b>6.00</b>	<b>6.52</b>
Gybe Angles	<b>148.0°</b>	<b>152.0°</b>	<b>155.0°</b>	<b>170.0°</b>	<b>180.0°</b>	<b>180.0°</b>	<b>180.0°</b>