



**ORC**

Offshore Racing Congress  
World leader in rating technology

**2020  
ORC Club  
Certificate**

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



**Certificate**  
Number **01202**  
Issued On **06/08/2020**  
ORC Ref **03420000031**  
VPP Ver. **2020 1.02**  
Valid until **28/02/2021**

**Crew Weight**

Default	502kg
Maximum	350kg
Minimum*	263kg

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

**Special Scoring**

ToD	ToT
Non Spin GPH <b>803.6</b>	<b>0.7466</b>
Non Spin OSN <b>773.1</b>	<b>0.7761</b>

**Sails Limitations**

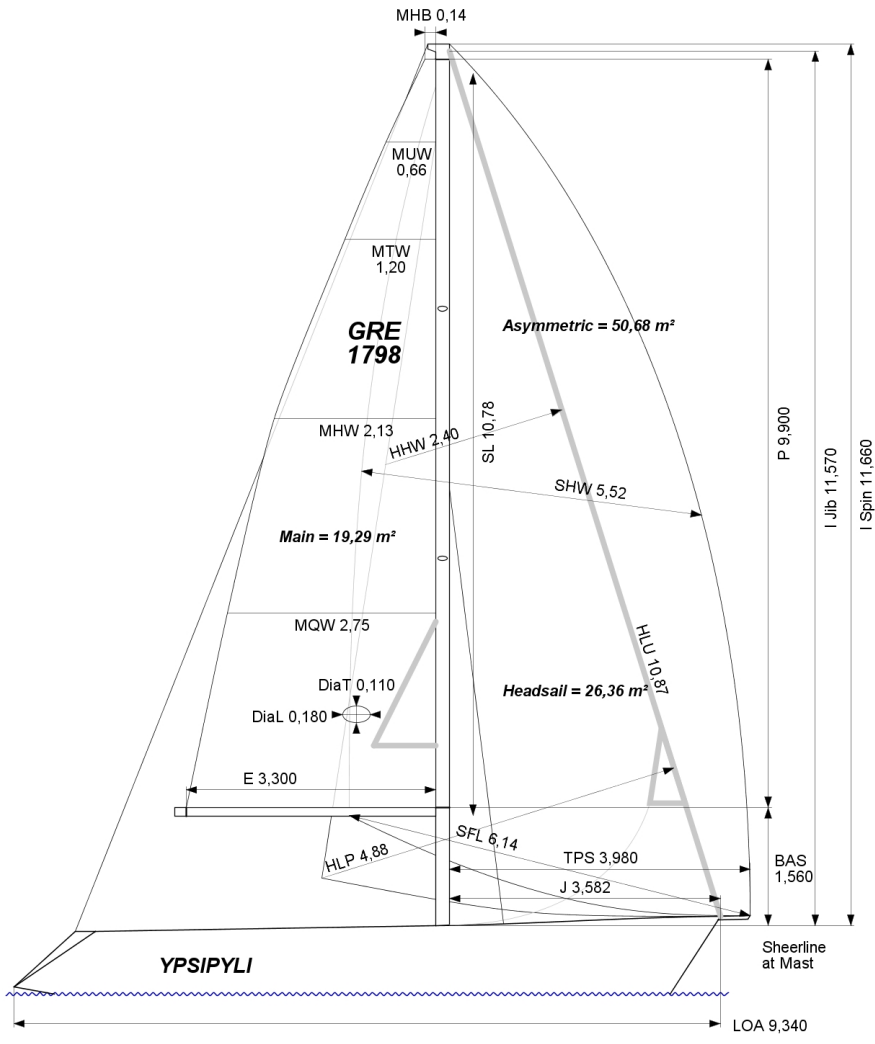
Headsails **1** Spinnakers **4**  
**Woven Polyester**  
**Asymmetric on centerline**

**Spinnaker configuration**  
Symmetric: **No**  
Asymmetric: **Yes 50.68**  
Flying H/S: **No**  
Spin. Pole: **No**

**Class Division Length**  
CDL = **6.698**

**Stability (Estimated)**  
Limit Positive Stab.: **104.6°**  
Stability Index: **102.8**

**Owner**



<b>BOAT</b> Name <b>YPSIPYLI</b> Sail Nr <b>GRE-1798</b>		<b>GPH</b> <b>769.2</b>	<b>HULL</b> Data File <b>GR1798</b> LOA <b>9.340m</b> Offset File <b>GR0008.bof</b> MB <b>3.408m</b> Displacement <b>4,414kg</b> Draft <b>1.609m</b>					
<b>CLASS</b> Class <b>ATLANTIC 31</b> Designer <b>JACOPIN &amp; JACOPIN</b> Builder <b>ATLANTIC MARINE</b> Series <b>04/1993</b> Age Date <b>03/1994</b> Age Allowance <b>0.487%</b>			IMS Division <b>Cruiser/Racer</b> Dynamic All. <b>0.507%</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>8.145m</b> VCGD <b>0.207m</b> Sink <b>15.40kg/mm</b> RL <b>5.249m</b> VCGM <b>0.137m</b> WS <b>20.26m²</b> LSM0 <b>8.011m</b> Displacement/Length ratio <b>8.5856</b>		
<b>COMMENTS</b> ex "AMFITRITI"			Water Ballast <b>0</b> Trim Tab <b>No</b> BLR Index <b>0.0000</b>					
<b>PROPELLER</b> Installation <b>Shaft exposed</b> PRD <b>0.380</b> Type <b>Solid 3 blades</b> PBW <b>0.130</b> PIPA <b>0.0180</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>745.1</b>			<b>843.7</b>				
Time on Time	<b>0.8052</b>			<b>0.8000</b>				
Triple Number	Low	Medium	High	Low	Medium	High		
Time on Distance	<b>912.3</b>	<b>674.7</b>	<b>581.6</b>	<b>1191.1</b>	<b>859.1</b>	<b>712.0</b>		
Time on Time	<b>0.7399</b>	<b>1.0004</b>	<b>1.1605</b>	<b>0.5667</b>	<b>0.7857</b>	<b>0.9480</b>		

<b>BOAT</b>	
Name <b>YPSIPYLI</b>	Sail Nr <b>GRE-1798</b>
File <b>GR1798</b>	Data in <b>meters/kilograms</b>

<b>RIG</b>	
Forestay Tension <b>Fixed</b>	Spreaders <b>2</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>Yes</b>
Non-Circular Rigging <b>No</b>	
Articulated Bowsprit <b>No</b>	
P <b>9.900</b>	E <b>3.300</b> MDT1 <b>0.110</b> MW
IG <b>11.570</b>	J <b>3.582</b> MDL1 <b>0.180</b> GO
ISP <b>11.660</b>	SFJ <b>0.000</b> MDT2 <b></b> BD
BAS <b>1.560</b>	SPL <b></b> MDL2 <b></b> MWT
FSD <b>-3.000</b>	TPS <b>3.980</b> TL <b>-3.000</b> MCG

<b>INCLINING TEST AND FREEBOARDS</b>			
Inclining Test <b>Club Estimated VCG</b>			
Flotation date <b>23/03/2017</b>		SG	
FFM <b>1.017</b>	FF <b>1.017</b>	SFFP <b>0.520</b>	
FAM <b>0.830</b>	FA <b>0.830</b>	SAFP <b>8.260</b>	
LCF from stem on CL / on sheer		<b>5.052 / 5.330</b>	
Maximum beam station from stem		<b>5.622</b>	
RM Measured		<b>82.8kg-m</b>	
RM Default		<b>81.3kg-m</b>	
Limit of positive stability / Stab.Index		<b>104.6° / 102.8</b>	
Freeboard at mast at 3.582		<b>0.909</b>	



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**2020**  
Measurements  
Datasheet

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

<b>PROPELLER</b>			
Installation <b>Shaft exposed</b>	PRD <b>0.380</b>		
Type <b>Solid 3 blades</b>	PBW <b>0.130</b>		
Twin Screw <b>No</b>	PIPA <b>0.0180</b>		
PSA	PHL	ST3	ESL
PSD	ST1	ST4	
PHD	ST2	ST5	

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<b>COMMENTS</b>	
ex "AMFITRITI"	

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

<b>CENTERBOARD</b>	
N/A	

<b>SAILS INVENTORY</b>																
<b>MAINSAIL (2)</b>																
Id	MHB	MUW	MTW	MHW	MQW	Area	Measurer	Meas.Date	Manufacture	Material	Comment					
2	0.14	0.66	1.20	2.13	2.75	19.30		26/04/2017	KAKITSIS	Dacron						
1	0.04	0.39	0.76	1.57	2.36	15.73		14/03/2019	KAKITSIS	Dacron						
<b>HEADSAILS (1)</b>																
Id	HHB	HUW	HTW	HHW	HQW	HLP	HLU	Ovr/tp	Area	Btn	Flying	Measurer	Meas.Date	Manufacture	Material	Comment
2	0.04	0.62	1.19	2.40	3.64	4.88	10.87	136%	26.36		No		14/03/2019	KAKITSIS	Dacron	
<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				
1	11.10	10.45	10.78	5.52	6.14	50.68	asym		23/03/2017	CJ MARINE	Nylon					

# 2020

## ORC Club Certificate Appendix

<b>BOAT</b>	
Name	<b>YPSIPYLI</b>
Certificate Number	<b>01202</b>
Sail Nr	<b>GRE-1798</b>
Issued On	<b>06/08/2020</b>

<b>TIME ALLOWANCES</b>							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	<b>1420.1</b>	<b>1155.0</b>	<b>1016.0</b>	<b>921.7</b>	<b>853.9</b>	<b>819.9</b>	<b>814.4</b>
52°	<b>900.0</b>	<b>745.2</b>	<b>660.2</b>	<b>603.1</b>	<b>571.8</b>	<b>556.8</b>	<b>550.8</b>
60°	<b>835.4</b>	<b>699.2</b>	<b>620.7</b>	<b>576.3</b>	<b>553.2</b>	<b>540.2</b>	<b>531.7</b>
75°	<b>793.7</b>	<b>665.5</b>	<b>592.4</b>	<b>557.4</b>	<b>538.1</b>	<b>524.3</b>	<b>505.2</b>
90°	<b>795.2</b>	<b>651.1</b>	<b>572.0</b>	<b>538.1</b>	<b>519.1</b>	<b>506.8</b>	<b>491.4</b>
110°	<b>784.7</b>	<b>641.2</b>	<b>565.5</b>	<b>532.8</b>	<b>510.5</b>	<b>489.4</b>	<b>454.7</b>
120°	<b>814.7</b>	<b>662.6</b>	<b>576.2</b>	<b>538.5</b>	<b>515.0</b>	<b>493.1</b>	<b>453.2</b>
135°	<b>906.2</b>	<b>724.6</b>	<b>618.6</b>	<b>559.8</b>	<b>531.0</b>	<b>509.6</b>	<b>469.0</b>
150°	<b>1062.1</b>	<b>833.9</b>	<b>709.4</b>	<b>628.2</b>	<b>582.7</b>	<b>550.9</b>	<b>513.3</b>
Run VMG	<b>1226.4</b>	<b>962.9</b>	<b>819.1</b>	<b>725.4</b>	<b>669.8</b>	<b>606.2</b>	<b>540.9</b>
<b>Selected Courses</b>							
Windward / Leeward	<b>1323.3</b>	<b>1059.0</b>	<b>917.5</b>	<b>823.5</b>	<b>761.8</b>	<b>713.1</b>	<b>677.7</b>
Circular Random	<b>1087.2</b>	<b>866.5</b>	<b>744.9</b>	<b>671.8</b>	<b>625.8</b>	<b>595.9</b>	<b>562.3</b>
Coastal / Long Distance	<b>1313.6</b>	<b>989.5</b>	<b>814.4</b>	<b>700.6</b>	<b>636.4</b>	<b>589.9</b>	<b>531.4</b>
Non Spinnaker	<b>1154.4</b>	<b>912.5</b>	<b>777.2</b>	<b>694.7</b>	<b>642.3</b>	<b>608.4</b>	<b>571.4</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>46.5°</b>	<b>44.6°</b>	<b>43.5°</b>	<b>43.5°</b>	<b>42.9°</b>	<b>42.0°</b>	<b>42.0°</b>
Beat VMG	<b>2.54</b>	<b>3.12</b>	<b>3.54</b>	<b>3.91</b>	<b>4.22</b>	<b>4.39</b>	<b>4.42</b>
52°	<b>4.00</b>	<b>4.83</b>	<b>5.45</b>	<b>5.97</b>	<b>6.30</b>	<b>6.47</b>	<b>6.54</b>
60°	<b>4.31</b>	<b>5.15</b>	<b>5.80</b>	<b>6.25</b>	<b>6.51</b>	<b>6.66</b>	<b>6.77</b>
75°	<b>4.54</b>	<b>5.41</b>	<b>6.08</b>	<b>6.46</b>	<b>6.69</b>	<b>6.87</b>	<b>7.13</b>
90°	<b>4.53</b>	<b>5.53</b>	<b>6.29</b>	<b>6.69</b>	<b>6.94</b>	<b>7.10</b>	<b>7.33</b>
110°	<b>4.59</b>	<b>5.61</b>	<b>6.37</b>	<b>6.76</b>	<b>7.05</b>	<b>7.36</b>	<b>7.92</b>
120°	<b>4.42</b>	<b>5.43</b>	<b>6.25</b>	<b>6.69</b>	<b>6.99</b>	<b>7.30</b>	<b>7.94</b>
135°	<b>3.97</b>	<b>4.97</b>	<b>5.82</b>	<b>6.43</b>	<b>6.78</b>	<b>7.07</b>	<b>7.68</b>
150°	<b>3.39</b>	<b>4.32</b>	<b>5.07</b>	<b>5.73</b>	<b>6.18</b>	<b>6.54</b>	<b>7.01</b>
Run VMG	<b>2.94</b>	<b>3.74</b>	<b>4.40</b>	<b>4.96</b>	<b>5.37</b>	<b>5.94</b>	<b>6.66</b>
Gybe Angles	<b>145.0°</b>	<b>145.8°</b>	<b>145.5°</b>	<b>145.5°</b>	<b>172.0°</b>	<b>173.0°</b>	<b>176.5°</b>