



**2020**  
ORC Club  
Certificate

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



**Certificate**  
Number **00320**  
Issued On **14/07/2020**  
ORC Ref **03420000MHK**  
VPP Ver. **2020 1.02**  
Valid until **28/02/2021**

**Crew Weight**

Default	664kg
Maximum	<b>300kg</b>
Minimum*	<b>215kg</b>

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

**Special Scoring**

ToD	ToT
Non Spin GPH <b>714.3</b>	<b>0.8400</b>
Non Spin OSN <b>692.6</b>	<b>0.8663</b>

**Sails Limitations**

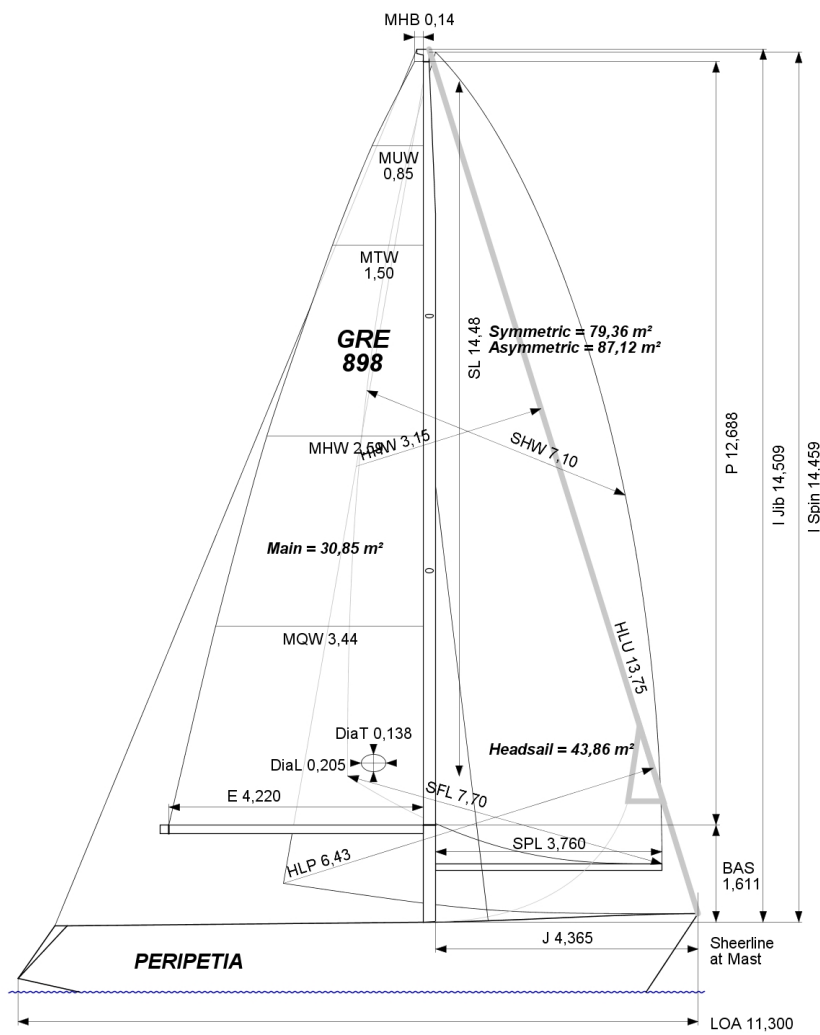
Headsails **1** Spinnakers **4**  
**Woven Polyester**

**Spinnaker configuration**  
Symmetric: **Yes** **79.36**  
Asymmetric: **Yes** **87.12**  
Flying H/S: **No**  
Spin. Pole: **Yes**

**Class Division Length**  
CDL = **8.098**

**Stability (Estimated)**  
Limit Positive Stab.: **114.7°**  
Stability Index: **117.2**

**Owner**



<b>BOAT</b> Name <b>PERIPETIA</b> Sail Nr <b>GRE-898</b>		<b>GPH</b> <b>684.9</b>	<b>HULL</b> Data File <b>GR898</b> LOA <b>11.300m</b> Offset File <b>H190.OFF</b> MB <b>3.846m</b> Displacement <b>7,570kg</b> Draft <b>1.653m</b>			
<b>CLASS</b> Class <b>OCEANIS 390</b> Designer <b>PHILIP BRIAND</b> Builder <b>BENETEAU</b> Series <b>09/1987</b> Age Date <b>09/1987</b> Age Allowance <b>0.487%</b>		IMS Division <b>Cruiser/Racer</b> Dynamic All. <b>0.487%</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>9.799m</b> VCGD <b>0.041m</b> Sink <b>20.86kg/mm</b> RL <b>6.396m</b> VCGM <b>0.082m</b> WS <b>29.06m²</b> LSMO <b>9.754m</b> Displacement/Length ratio <b>8.1573</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>Shaft non exposed</b> PRD <b>0.390</b> Type <b>Solid 3 blades</b> PIPA <b>0.0091</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>665.3</b>			<b>752.1</b>		
Time on Time	<b>0.9018</b>			<b>0.8975</b>		
Triple Number	Low	Medium	High	Low	Medium	High
Time on Distance	<b>800.0</b>	<b>602.5</b>	<b>533.7</b>	<b>1044.1</b>	<b>759.8</b>	<b>651.0</b>
Time on Time	<b>0.8438</b>	<b>1.1204</b>	<b>1.2648</b>	<b>0.6465</b>	<b>0.8884</b>	<b>1.0369</b>

<b>BOAT</b>	
Name <b>PERIPETIA</b>	Sail Nr <b>GRE-898</b>
File <b>GR898</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>No</b>
Non-Circular Rigging <b>No</b>	
Articulated Bowsprit <b>No</b>	
P <b>12.688</b>	E <b>4.220</b> MDT1 <b>0.138</b> MW <b>0.000</b>
IG <b>14.509</b>	J <b>4.365</b> MDL1 <b>0.205</b> GO
ISP <b>14.459</b>	SFJ <b>0.000</b> MDT2
BAS <b>1.611</b>	SPL <b>3.760</b> MDL2
FSD <b>-3.000</b>	TPS TL <b>-2.000</b> MCG

<b>INCLINING TEST AND FREEBOARDS</b>	
Inclining Test <b>Club Estimated VCG</b>	
Flotation date <b>09/05/2001</b> SG	
FFM <b>1.286</b>	FF <b>1.293</b> SFFP <b>0.485</b>
FAM <b>1.099</b>	FA <b>1.104</b> SAFF <b>10.476</b>
LCF from stem on CL / on sheer <b>6.182 / 6.447</b>	
Maximum beam station from stem <b>6.945</b>	
RM Measured <b>146.3kg-m</b>	
RM Default <b>142.0kg-m</b>	
Limit of positive stability / Stab.Index <b>114.7° / 117.2</b>	
Freeboard at mast at 4.365 <b>1.167</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 non exposed</b>	PRD <b>0.390</b>
Type <b>Solid 3 blades</b>	PBW
Twin Screw <b>No</b>	PIPA <b>0.0091</b>
PSA	PHD ESL
PSD	PHL

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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	0.14	0.85	1.50	2.59	3.44	30.85		30/03/2017	KAKITSIS	Dacron						
<b>HEADSAILS (1)</b>																
Id	HHB	HUW	HTW	HHW	HQW	HLP	HLU	Ovrlp	Area	Btn	Flying	Measurer	Meas.Date	Manufacture	Material	Comment
1		0.78	1.56	3.15	4.79	6.43	13.75	147%	43.86		No		22/03/2014	KAKITSIS	Dacron	αντικατασταση της
<b>SYMMETRIC SPINNAKERS (1)</b>																
Id	SLU	SLE	SL	SHW	SFL	Area	Measurer	Meas.Date	Manufacture	Material	Comment					
1	13.22	13.22	13.22	7.24	7.06	79.37		13/03/2008		Unknown						
<b>ASYMMETRIC SPINNAKERS (1)</b>																
Id	SLU	SLE	SL	SHW	SFL	Area	Kind	Measurer	Meas.Date	Manufacture	Material	Comment				
ORC	14.48	14.48	14.48	7.10	7.70	87.13	asym						* Copied from legacy *			

# 2020

## ORC Club Certificate Appendix

<b>BOAT</b>	
Name	<b>PERIPETIA</b>
Sail Nr	<b>GRE-898</b>
Certificate Number	<b>00320</b>
Issued On	<b>14/07/2020</b>

<b>TIME ALLOWANCES</b>							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	<b>1240.4</b>	<b>1017.7</b>	<b>900.7</b>	<b>834.9</b>	<b>801.2</b>	<b>786.9</b>	<b>792.2</b>
52°	<b>784.9</b>	<b>657.9</b>	<b>584.2</b>	<b>541.5</b>	<b>524.3</b>	<b>517.7</b>	<b>516.7</b>
60°	<b>727.9</b>	<b>617.1</b>	<b>549.2</b>	<b>517.9</b>	<b>503.6</b>	<b>497.5</b>	<b>494.8</b>
75°	<b>685.3</b>	<b>582.9</b>	<b>525.6</b>	<b>500.9</b>	<b>486.9</b>	<b>477.6</b>	<b>468.7</b>
90°	<b>687.3</b>	<b>582.0</b>	<b>518.7</b>	<b>492.4</b>	<b>480.6</b>	<b>468.6</b>	<b>449.5</b>
110°	<b>691.3</b>	<b>569.0</b>	<b>508.0</b>	<b>482.0</b>	<b>464.0</b>	<b>448.7</b>	<b>432.0</b>
120°	<b>712.5</b>	<b>585.1</b>	<b>514.9</b>	<b>485.3</b>	<b>465.5</b>	<b>447.8</b>	<b>417.0</b>
135°	<b>788.9</b>	<b>639.8</b>	<b>548.2</b>	<b>502.4</b>	<b>478.7</b>	<b>459.7</b>	<b>423.1</b>
150°	<b>930.1</b>	<b>730.8</b>	<b>618.5</b>	<b>544.3</b>	<b>502.3</b>	<b>479.9</b>	<b>444.3</b>
Run VMG	<b>1074.0</b>	<b>843.9</b>	<b>713.3</b>	<b>623.1</b>	<b>560.4</b>	<b>514.8</b>	<b>470.4</b>
<b>Selected Courses</b>							
Windward / Leeward	<b>1157.2</b>	<b>930.8</b>	<b>807.0</b>	<b>729.0</b>	<b>680.8</b>	<b>650.9</b>	<b>631.3</b>
Circular Random	<b>955.4</b>	<b>766.3</b>	<b>663.6</b>	<b>603.5</b>	<b>567.1</b>	<b>544.7</b>	<b>521.2</b>
Coastal / Long Distance	<b>1148.9</b>	<b>870.4</b>	<b>718.6</b>	<b>625.3</b>	<b>575.4</b>	<b>540.2</b>	<b>488.5</b>
Non Spinnaker	<b>1009.0</b>	<b>804.0</b>	<b>691.3</b>	<b>624.6</b>	<b>583.6</b>	<b>557.9</b>	<b>530.2</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>44.4°</b>	<b>44.6°</b>	<b>44.3°</b>	<b>45.0°</b>
Beat VMG	<b>2.90</b>	<b>3.54</b>	<b>4.00</b>	<b>4.31</b>	<b>4.49</b>	<b>4.57</b>	<b>4.54</b>
52°	<b>4.59</b>	<b>5.47</b>	<b>6.16</b>	<b>6.65</b>	<b>6.87</b>	<b>6.95</b>	<b>6.97</b>
60°	<b>4.95</b>	<b>5.83</b>	<b>6.55</b>	<b>6.95</b>	<b>7.15</b>	<b>7.24</b>	<b>7.28</b>
75°	<b>5.25</b>	<b>6.18</b>	<b>6.85</b>	<b>7.19</b>	<b>7.39</b>	<b>7.54</b>	<b>7.68</b>
90°	<b>5.24</b>	<b>6.19</b>	<b>6.94</b>	<b>7.31</b>	<b>7.49</b>	<b>7.68</b>	<b>8.01</b>
110°	<b>5.21</b>	<b>6.33</b>	<b>7.09</b>	<b>7.47</b>	<b>7.76</b>	<b>8.02</b>	<b>8.33</b>
120°	<b>5.05</b>	<b>6.15</b>	<b>6.99</b>	<b>7.42</b>	<b>7.73</b>	<b>8.04</b>	<b>8.63</b>
135°	<b>4.56</b>	<b>5.63</b>	<b>6.57</b>	<b>7.17</b>	<b>7.52</b>	<b>7.83</b>	<b>8.51</b>
150°	<b>3.87</b>	<b>4.93</b>	<b>5.82</b>	<b>6.61</b>	<b>7.17</b>	<b>7.50</b>	<b>8.10</b>
Run VMG	<b>3.35</b>	<b>4.27</b>	<b>5.05</b>	<b>5.78</b>	<b>6.42</b>	<b>6.99</b>	<b>7.65</b>
Gybe Angles	<b>146.0°</b>	<b>150.0°</b>	<b>152.0°</b>	<b>154.0°</b>	<b>168.0°</b>	<b>180.0°</b>	<b>180.0°</b>