



**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 **00506**  
Issued On **06/06/2020**  
ORC Ref **03420000K2I**  
VPP Ver. **2020 1.02**  
Valid until **28/02/2021**

**Crew Weight**

Default 608kg  
Maximum **450kg**  
Minimum\* **338kg**  
*\*when applied by the NoR and SI*  
Non Manual Pwr **No**

**Special Scoring**

	ToD	ToT
Non Spin GPH	<b>759.8</b>	<b>0.7897</b>
Non Spin OSN	<b>731.1</b>	<b>0.8207</b>

**Sails Limitations**

Headsails **1** Spinnakers **4**

**Asymmetric on centerline**

**Spinnaker configuration**  
Symmetric: **No**  
Asymmetric: **Yes 57.31**  
Flying H/S: **No**  
Spin. Pole: **No**

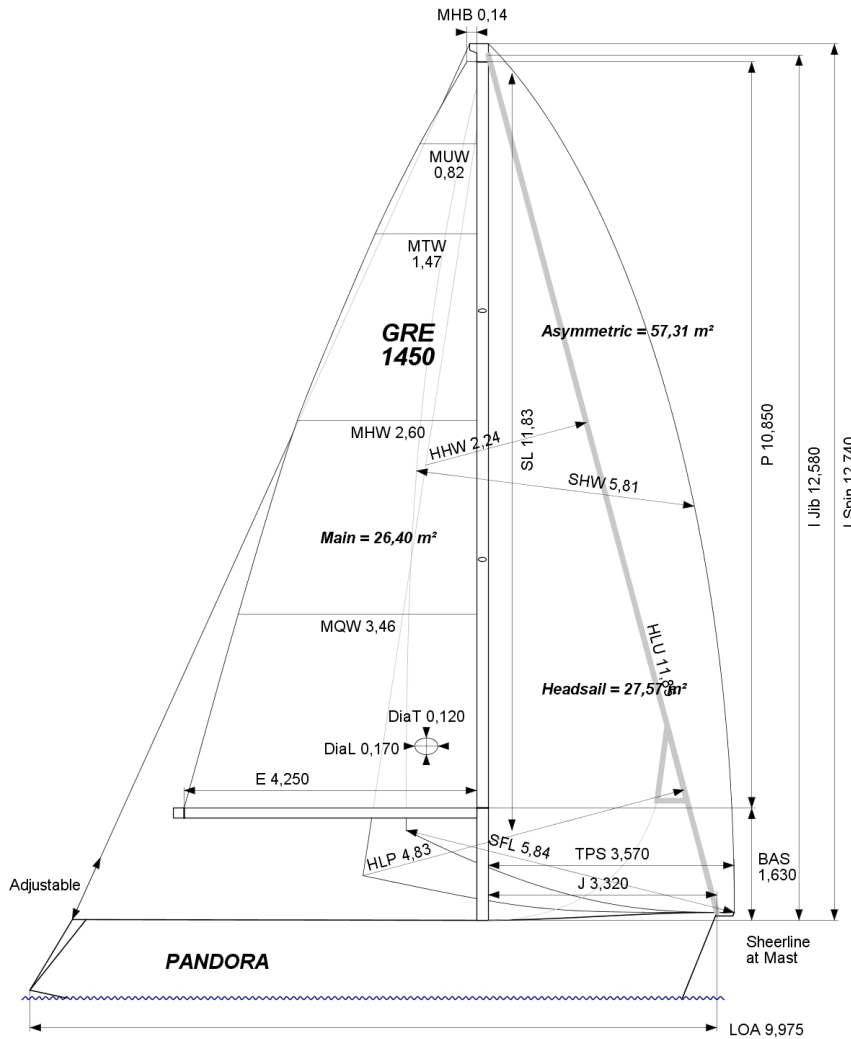
**Class Division Length**

**CDL = 7.619**

**Stability (Estimated)**

Limit Positive Stab.: **114.8°**  
Stability Index: **117.8**

**Owner**



BOAT		GPH	HULL	
Name	<b>PANDORA</b>	<b>730.4</b>	Data File	<b>GR1450</b> LOA <b>9.975m</b>
Sail Nr	<b>GRE-1450</b>		Offset File	<b>SODYS342.OFF</b> MB <b>3.310m</b>
CLASS			Displacement	<b>5,429kg</b> Draft <b>1.773m</b>
Class	<b>SUN ODYSSEY 34.2</b>		IMS Division	<b>Cruiser/Racer</b> Dynamic All. <b>0.408%</b>
Designer	<b>JEANNEAU</b>		Plan Review	Construction <b>Solid</b>
Builder	<b>JEANNEAU</b>		Fiber Rigging	<b>No</b> Aramid Core <b>No</b>
Series	<b>01/1999</b>		Crew Arm Ex	Carbon Rudder <b>No</b>
Age Date	<b>01/1999</b>			Light Stanchions <b>No</b>
Age Allowance	<b>0.487%</b>		IMSL	<b>9.153m</b> VCGD <b>0.294m</b> Sink <b>17.84kg/mm</b>
COMMENTS			RL	<b>6.084m</b> VCGM <b>0.125m</b> WS <b>24.35m²</b>
PROPELLER			LSM0	<b>9.170m</b> Displacement/Length ratio <b>7.0406</b>
Installation	<b>Shaft exposed</b>	PRD <b>0.410</b>	Water Ballast	<b>0</b> Trim Tab <b>No</b>
Type	<b>Solid 2 blades</b>	PIPA <b>0.0176</b>	BLR Index	<b>0.0000</b>
SCORING OPTIONS			CENTERBOARD	
			<b>NA</b>	
	<b>COASTAL / LONG DISTANCE</b>	<b>WINDWARD / LEEWARD</b>		
Time on Distance	<b>707.1</b>	<b>800.8</b>		
Time on Time	<b>0.8485</b>	<b>0.8429</b>		
Triple Number	Low Medium High	Low Medium High		
Time on Distance	<b>865.5 639.6 557.9</b>	<b>1129.5 812.0 683.0</b>		
Time on Time	<b>0.7799 1.0553 1.2100</b>	<b>0.5976 0.8313 0.9883</b>		

<b>BOAT</b>	
Name <b>PANDORA</b>	Sail Nr <b>GRE-1450</b>
File <b>GR1450</b>	Data in <b>meters/kilograms</b>

<b>RIG</b>	
Forestay Tension <b>Aft</b>	Spreaders <b>2</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>10.850</b>	E <b>4.250</b> MDT1 <b>0.120</b> MW
IG <b>12.580</b>	J <b>3.320</b> MDL1 <b>0.170</b> GO
ISP <b>12.740</b>	SFJ <b>0.000</b> MDT2 <b></b> BD
BAS <b>1.630</b>	SPL <b></b> MDL2 <b></b> MWT
FSD <b>-3.000</b>	TPS <b>3.570</b> TL <b>-3.000</b> MCG

<b>INCLINING TEST AND FREEBOARDS</b>			
Inclining Test <b>Club Estimated VCG</b>			
Flotation date <b>19/04/2010</b>		SG	
FFM <b>1.235</b>	FF <b>1.243</b>	SFFP <b>0.260</b>	
FAM <b>1.142</b>	FA <b>1.146</b>	SAFP <b>9.160</b>	
LCF from stem on CL / on sheer		<b>5.629 / 5.854</b>	
Maximum beam station from stem		<b>6.401</b>	
RM Measured		<b>106.0kg-m</b>	
RM Default		<b>102.9kg-m</b>	
Limit of positive stability / Stab.Index		<b>114.8° / 117.8</b>	
Freeboard at mast at 3.320		<b>1.133</b>	



**2020**  
Measurements  
Datasheet

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

<b>PROPELLER</b>			
Installation <b>Shaft exposed</b>	PRD <b>0.410</b>		
Type <b>Solid 2 blades</b>	PBW		
Twin Screw <b>No</b>	PIPA <b>0.0176</b>		
PSA	PHL	ST3	ESL
PSD	ST1	ST4	
PHD	ST2	ST5	

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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					
1	0.14	0.82	1.47	2.60	3.46	26.40		06/05/2011		Dacron						
<b>HEADSAILS (2)</b>																
Id	HHB	HUW	HTW	HHW	HQW	HLP	HLU	Ovrlp	Area	Btn	Flying	Measurer	Meas.Date	Manufacture	Material	Comment
1	0.05	0.53	1.07	2.24	3.53	4.83	11.85	145%	27.57	No			19/04/2010		Dacron	
2	0.07	0.58	1.11	2.25	3.52	4.81	11.72	145%	27.39	No			23/07/2013		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	12.40	11.25	11.83	5.81	5.84	57.32	asym		30/05/2010		Nylon					

# 2020

## ORC Club Certificate Appendix

<b>BOAT</b>	
Name	<b>PANDORA</b>
Sail Nr	<b>GRE-1450</b>
Certificate Number	<b>00506</b>
Issued On	<b>06/06/2020</b>

<b>TIME ALLOWANCES</b>							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	<b>1324.6</b>	<b>1076.3</b>	<b>943.9</b>	<b>856.1</b>	<b>805.7</b>	<b>789.9</b>	<b>794.6</b>
52°	<b>842.0</b>	<b>700.5</b>	<b>620.1</b>	<b>567.2</b>	<b>542.8</b>	<b>534.5</b>	<b>533.1</b>
60°	<b>784.1</b>	<b>660.2</b>	<b>585.9</b>	<b>544.8</b>	<b>525.4</b>	<b>516.4</b>	<b>513.3</b>
75°	<b>746.8</b>	<b>629.2</b>	<b>561.1</b>	<b>528.9</b>	<b>511.2</b>	<b>499.3</b>	<b>487.7</b>
90°	<b>752.7</b>	<b>619.8</b>	<b>545.1</b>	<b>513.3</b>	<b>496.6</b>	<b>489.3</b>	<b>468.5</b>
110°	<b>749.4</b>	<b>613.9</b>	<b>540.7</b>	<b>509.3</b>	<b>488.5</b>	<b>469.2</b>	<b>439.5</b>
120°	<b>780.9</b>	<b>636.3</b>	<b>552.4</b>	<b>515.3</b>	<b>493.3</b>	<b>473.0</b>	<b>434.1</b>
135°	<b>874.7</b>	<b>698.7</b>	<b>596.8</b>	<b>537.5</b>	<b>509.0</b>	<b>488.7</b>	<b>449.7</b>
150°	<b>1028.9</b>	<b>804.8</b>	<b>683.7</b>	<b>603.4</b>	<b>555.9</b>	<b>525.0</b>	<b>489.7</b>
Run VMG	<b>1188.1</b>	<b>929.3</b>	<b>789.5</b>	<b>696.8</b>	<b>640.2</b>	<b>578.9</b>	<b>515.5</b>
<b>Selected Courses</b>							
Windward / Leeward	<b>1256.3</b>	<b>1002.8</b>	<b>866.7</b>	<b>776.4</b>	<b>722.9</b>	<b>684.4</b>	<b>655.0</b>
Circular Random	<b>1031.0</b>	<b>821.8</b>	<b>707.0</b>	<b>638.9</b>	<b>597.0</b>	<b>570.6</b>	<b>541.7</b>
Coastal / Long Distance	<b>1249.5</b>	<b>938.3</b>	<b>770.6</b>	<b>662.2</b>	<b>605.2</b>	<b>565.9</b>	<b>510.5</b>
Non Spinnaker	<b>1088.9</b>	<b>861.3</b>	<b>734.6</b>	<b>658.4</b>	<b>611.0</b>	<b>581.2</b>	<b>549.9</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>45.8°</b>	<b>43.9°</b>	<b>42.8°</b>	<b>42.4°</b>	<b>42.4°</b>	<b>42.0°</b>	<b>42.4°</b>
Beat VMG	<b>2.72</b>	<b>3.34</b>	<b>3.81</b>	<b>4.21</b>	<b>4.47</b>	<b>4.56</b>	<b>4.53</b>
52°	<b>4.28</b>	<b>5.14</b>	<b>5.81</b>	<b>6.35</b>	<b>6.63</b>	<b>6.74</b>	<b>6.75</b>
60°	<b>4.59</b>	<b>5.45</b>	<b>6.14</b>	<b>6.61</b>	<b>6.85</b>	<b>6.97</b>	<b>7.01</b>
75°	<b>4.82</b>	<b>5.72</b>	<b>6.42</b>	<b>6.81</b>	<b>7.04</b>	<b>7.21</b>	<b>7.38</b>
90°	<b>4.78</b>	<b>5.81</b>	<b>6.60</b>	<b>7.01</b>	<b>7.25</b>	<b>7.36</b>	<b>7.68</b>
110°	<b>4.80</b>	<b>5.86</b>	<b>6.66</b>	<b>7.07</b>	<b>7.37</b>	<b>7.67</b>	<b>8.19</b>
120°	<b>4.61</b>	<b>5.66</b>	<b>6.52</b>	<b>6.99</b>	<b>7.30</b>	<b>7.61</b>	<b>8.29</b>
135°	<b>4.12</b>	<b>5.15</b>	<b>6.03</b>	<b>6.70</b>	<b>7.07</b>	<b>7.37</b>	<b>8.01</b>
150°	<b>3.50</b>	<b>4.47</b>	<b>5.27</b>	<b>5.97</b>	<b>6.48</b>	<b>6.86</b>	<b>7.35</b>
Run VMG	<b>3.03</b>	<b>3.87</b>	<b>4.56</b>	<b>5.17</b>	<b>5.62</b>	<b>6.22</b>	<b>6.98</b>
Gybe Angles	<b>145.0°</b>	<b>146.0°</b>	<b>146.0°</b>	<b>146.0°</b>	<b>171.0°</b>	<b>172.5°</b>	<b>178.0°</b>