



**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 **00260**  
Issued On **04/04/2020**  
ORC Ref **03420000H7T**  
VPP Ver. **2020 1.01**  
Valid until **28/02/2021**

**Crew Weight**

Default 314kg  
Maximum **314kg**  
Minimum\* **229kg**  
*\*when applied by the NoR and SI*  
Non Manual Pwr **No**

**Special Scoring**

	ToD	ToT
Non Spin GPH	<b>836.3</b>	<b>0.7174</b>
Non Spin OSN	<b>806.4</b>	<b>0.7441</b>

**Sails Limitations**

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

**Spinnaker configuration**

Symmetric: **Yes** **22.82**  
Asymmetric: **No**  
Flying H/S: **No**  
Spin. Pole: **Yes**

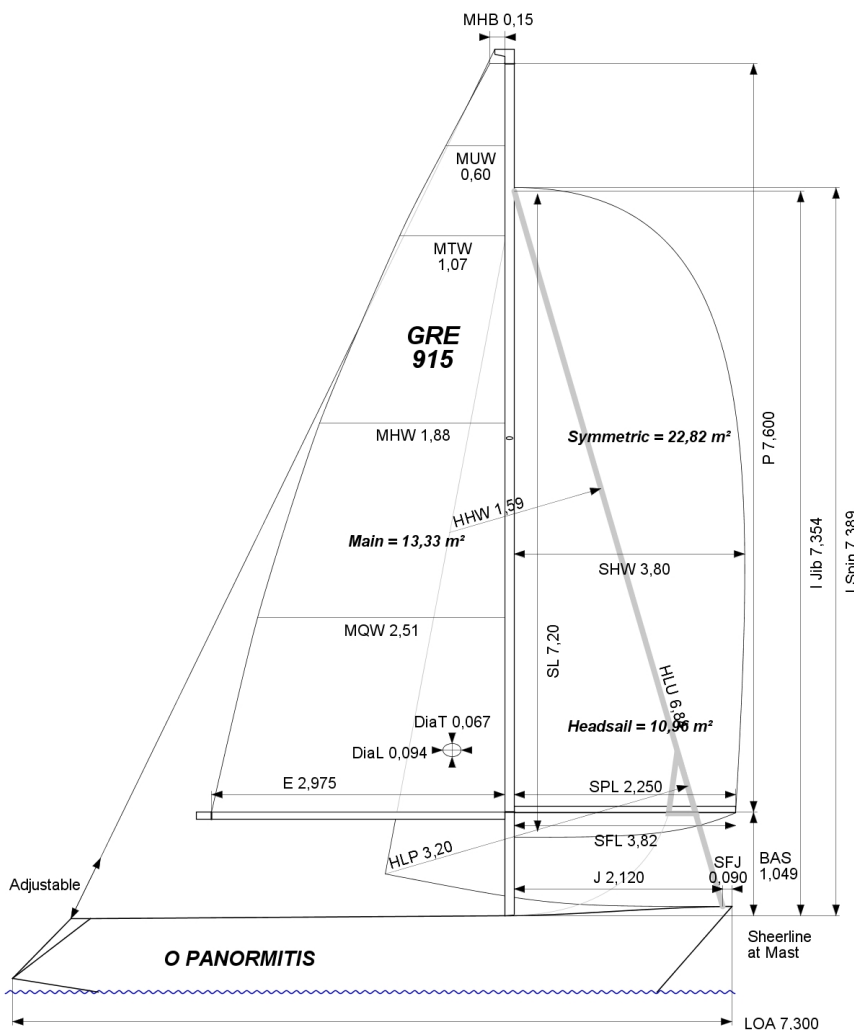
**Class Division Length**

**CDL = 5.437**

**Stability (Measured)**

Limit Positive Stab.: **106.1°**  
Stability Index: **100.4**

**Owner**



BOAT	GPH	HULL
Name <b>O PANORMITIS</b> Sail Nr <b>GRE-915</b>	<b>809.4</b>	Data File <b>GR915</b> LOA <b>7.300m</b> Offset File <b>GR0098.OFF</b> MB <b>2.520m</b> Displacement <b>1,611kg</b> Draft <b>1.362m</b>
<b>CLASS</b> Class <b>SEA MINI</b> Designer <b>VAN DE STADT</b> Builder <b>KATSOULIS</b> Series <b>01/1985</b> Age Date <b>08/2000</b> Age Allowance <b>0.487%</b>	IMS Division <b>Cruiser/Racer</b> Dynamic All. <b>0.402%</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>	IMS L <b>6.039m</b> VCGD <b>0.066m</b> Sink <b>8.23kg/mm</b> RL <b>4.837m</b> VCGM <b>0.094m</b> WS <b>10.60m²</b> LSM0 <b>5.773m</b> Displacement/Length ratio <b>8.3732</b>
<b>COMMENTS</b> ex "DANAE"	Water Ballast <b>0</b> Trim Tab <b>No</b> BLR Index <b>0.0000</b>	
<b>PROPELLER</b> Type <b>No Propeller</b>	<b>CENTERBOARD</b>  <b>NA</b>	
<b>SCORING OPTIONS</b>		
	<b>COASTAL / LONG DISTANCE</b>	<b>WINDWARD / LEEWARD</b>
Time on Distance	<b>784.1</b>	<b>871.0</b>
Time on Time	<b>0.7652</b>	<b>0.7750</b>
Triple Number	Low Medium High	Low Medium High
Time on Distance	<b>938.9 715.2 626.6</b>	<b>1212.5 882.0 747.3</b>
Time on Time	<b>0.7189 0.9438 1.0772</b>	<b>0.5567 0.7653 0.9033</b>

<b>BOAT</b>	
Name <b>O PANORMITIS</b>	Sail Nr <b>GRE-915</b>
File <b>GR915</b>	Data in <b>meters/kilograms</b>

<b>INCLINING TEST AND FREEBOARDS</b>			
Inclining Test		Current Inclining	
Flotation date	<b>10/04/2011</b>	SG	<b>1.0290</b>
FFM	<b>0.880</b>	FF	<b>0.862</b>
FAM	<b>0.726</b>	FA	<b>0.745</b>
SFFP	<b>0.355</b>	SAFP	<b>6.508</b>
W1	<b>27.1</b>	PD1	<b>265.0</b>
W2	<b>27.1</b>	PD2	<b>265.0</b>
W3	<b>27.1</b>	PD3	<b>265.0</b>
W4	<b>27.1</b>	PD4	<b>265.0</b>
WD	<b>7.350</b>	GSA	<b>50.3</b>
RSA	<b>6082.1</b>	PLM	<b>2140.0</b>
LCF from stem on CL / on sheer	<b>3.904 / 4.078</b>		
Maximum beam station from stem	<b>4.286</b>		
RM Measured	<b>27.9kg-m</b>		
RM Default	<b>27.1kg-m</b>		
Limit of positive stability / Stab.Index	<b>106.1° / 100.4</b>		
Freeboard at mast at 2.210	<b>0.779</b>		



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**Measurements**  
**Datasheet**


<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>7.600</b>	E	<b>2.975</b>
IG	<b>7.354</b>	J	<b>2.120</b>
ISP	<b>7.389</b>	SFJ	<b>0.090</b>
BAS	<b>1.049</b>	SPL	<b>2.250</b>
FSD	<b>0.026</b>	TPS	
MDT1	<b>0.067</b>	MW	<b>0.094</b>
MDL1	<b>0.094</b>	GO	<b>0.096</b>
MDT2	<b>0.067</b>	BD	<b>0.070</b>
MDL2	<b>0.094</b>	MWT	
TL	<b>0.000</b>	MCG	

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

<b>PROPELLER</b>	
Type <b>No Propeller</b>	

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<b>COMMENTS</b>	
ex "DANAE"	

<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					
2	0.15	0.60	1.07	1.88	2.51	13.34		22/04/2012	UK	Polyester						
<b>HEADSAILS (1)</b>																
Id	HHB	HUW	HTW	HHW	HQW	HLP	HLU	Ovrlp	Area	Btn	Flying	Measurer	Meas.Date	Manufacture	Material	Comment
1	0.04	0.42	0.80	1.59	2.40	3.20	6.84	151%	10.96		No		06/03/2010	ZOUGANELI	Dacron	
<b>SYMMETRIC SPINNAKERS (1)</b>																
Id	SLU	SLE	SL	SHW	SFL	Area	Measurer	Meas.Date	Manufacture	Material	Comment					
1	7.20	7.20	7.20	3.80	3.82	22.83		23/03/2011	KAFETZIDA	Unknown	RED-YELLOW-BLU					
<b>ASYMMETRIC SPINNAKERS (0)</b>																
Id	SLU	SLE	SL	SHW	SFL	Area	Kind	Measurer	Meas.Date	Manufacture	Material	Comment				

<b>MEASUREMENT INVENTORY</b>				
Measurer <b>GRE-116</b>				
Date <b>10/04/2011</b>				
Comment				
<b>Internal Ballast total = 0.0</b>				
Id	Item	Weight	Distance	VCG Description
4	Anchor	6.0	6.25	
4	Chain	25.5	6.56	
Id	Item	Maker	Model	
1	Engine	SUZUKI	DF15EL(15H)	
Id	Item	Weight	Description	

<b>MEASUREMENT INVENTORY</b>								
Id	Item	Tank Use	Tank Type	Capcty	Dist.	VCG	Condtn	Description
1	Tank	FUEL	STEEL	20.0	5.70			
2	Tank	WATER	PLASTIC	30.0	5.15			
Id	Item	Weight	Distance	VCG Description				
1	Battery		4.10	2x70Ah				

# 2020

## ORC Club Certificate Appendix

<b>BOAT</b>			
Name	<b>O PANORMITIS</b>	Certificate Number	<b>00260</b>
Sail Nr	<b>GRE-915</b>	Issued On	<b>04/04/2020</b>

<b>TIME ALLOWANCES</b>							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	<b>1411.8</b>	<b>1181.7</b>	<b>1055.0</b>	<b>960.1</b>	<b>898.9</b>	<b>874.5</b>	<b>885.3</b>
52°	<b>913.8</b>	<b>771.0</b>	<b>691.7</b>	<b>651.8</b>	<b>629.1</b>	<b>617.1</b>	<b>614.7</b>
60°	<b>860.6</b>	<b>728.0</b>	<b>662.4</b>	<b>632.8</b>	<b>613.5</b>	<b>599.7</b>	<b>591.9</b>
75°	<b>824.1</b>	<b>699.2</b>	<b>642.9</b>	<b>617.1</b>	<b>597.8</b>	<b>579.7</b>	<b>555.3</b>
90°	<b>821.1</b>	<b>681.0</b>	<b>623.8</b>	<b>595.0</b>	<b>571.0</b>	<b>553.0</b>	<b>535.4</b>
110°	<b>820.9</b>	<b>681.1</b>	<b>623.3</b>	<b>592.1</b>	<b>563.8</b>	<b>538.0</b>	<b>497.9</b>
120°	<b>850.8</b>	<b>700.9</b>	<b>632.9</b>	<b>601.1</b>	<b>573.3</b>	<b>545.8</b>	<b>499.2</b>
135°	<b>948.0</b>	<b>769.8</b>	<b>666.9</b>	<b>621.1</b>	<b>592.5</b>	<b>565.3</b>	<b>516.1</b>
150°	<b>1093.5</b>	<b>866.2</b>	<b>733.4</b>	<b>654.6</b>	<b>616.9</b>	<b>590.4</b>	<b>540.3</b>
Run VMG	<b>1262.7</b>	<b>994.1</b>	<b>838.3</b>	<b>727.7</b>	<b>656.9</b>	<b>619.7</b>	<b>568.8</b>
<b>Selected Courses</b>							
Windward / Leeward	<b>1337.3</b>	<b>1087.9</b>	<b>946.7</b>	<b>843.9</b>	<b>777.9</b>	<b>747.1</b>	<b>727.1</b>
Circular Random	<b>1124.7</b>	<b>904.9</b>	<b>785.1</b>	<b>713.9</b>	<b>669.4</b>	<b>640.8</b>	<b>608.7</b>
Coastal / Long Distance	<b>1329.8</b>	<b>1019.1</b>	<b>849.5</b>	<b>740.0</b>	<b>678.5</b>	<b>637.5</b>	<b>579.3</b>
Non Spinnaker	<b>1172.4</b>	<b>938.8</b>	<b>810.6</b>	<b>733.9</b>	<b>685.7</b>	<b>654.8</b>	<b>620.7</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>44.3°</b>	<b>43.5°</b>	<b>43.5°</b>	<b>41.6°</b>	<b>40.1°</b>	<b>39.8°</b>	<b>40.9°</b>
Beat VMG	<b>2.55</b>	<b>3.05</b>	<b>3.41</b>	<b>3.75</b>	<b>4.00</b>	<b>4.12</b>	<b>4.07</b>
52°	<b>3.94</b>	<b>4.67</b>	<b>5.20</b>	<b>5.52</b>	<b>5.72</b>	<b>5.83</b>	<b>5.86</b>
60°	<b>4.18</b>	<b>4.95</b>	<b>5.44</b>	<b>5.69</b>	<b>5.87</b>	<b>6.00</b>	<b>6.08</b>
75°	<b>4.37</b>	<b>5.15</b>	<b>5.60</b>	<b>5.83</b>	<b>6.02</b>	<b>6.21</b>	<b>6.48</b>
90°	<b>4.38</b>	<b>5.29</b>	<b>5.77</b>	<b>6.05</b>	<b>6.30</b>	<b>6.51</b>	<b>6.72</b>
110°	<b>4.39</b>	<b>5.29</b>	<b>5.78</b>	<b>6.08</b>	<b>6.39</b>	<b>6.69</b>	<b>7.23</b>
120°	<b>4.23</b>	<b>5.14</b>	<b>5.69</b>	<b>5.99</b>	<b>6.28</b>	<b>6.60</b>	<b>7.21</b>
135°	<b>3.80</b>	<b>4.68</b>	<b>5.40</b>	<b>5.80</b>	<b>6.08</b>	<b>6.37</b>	<b>6.97</b>
150°	<b>3.29</b>	<b>4.16</b>	<b>4.91</b>	<b>5.50</b>	<b>5.84</b>	<b>6.10</b>	<b>6.66</b>
Run VMG	<b>2.85</b>	<b>3.62</b>	<b>4.29</b>	<b>4.95</b>	<b>5.48</b>	<b>5.81</b>	<b>6.33</b>
Gybe Angles	<b>150.0°</b>	<b>155.0°</b>	<b>170.0°</b>	<b>174.0°</b>	<b>180.0°</b>	<b>180.0°</b>	<b>180.0°</b>