



World Leader in Rating Technology

## 2017 ORC Club Certificate

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

**Certificate**  
 Number **001090**  
 Issued On **17/3/2017**  
 ORC Ref **GRE01006839**  
 VPP Ver. **2017 1.00**  
 Valid until **28/2/2018**

**Crew Weight**  
 Declared **854kg**  
 Default\* **854kg**  
 Non Manual Pwr **No**

**Special Scoring**

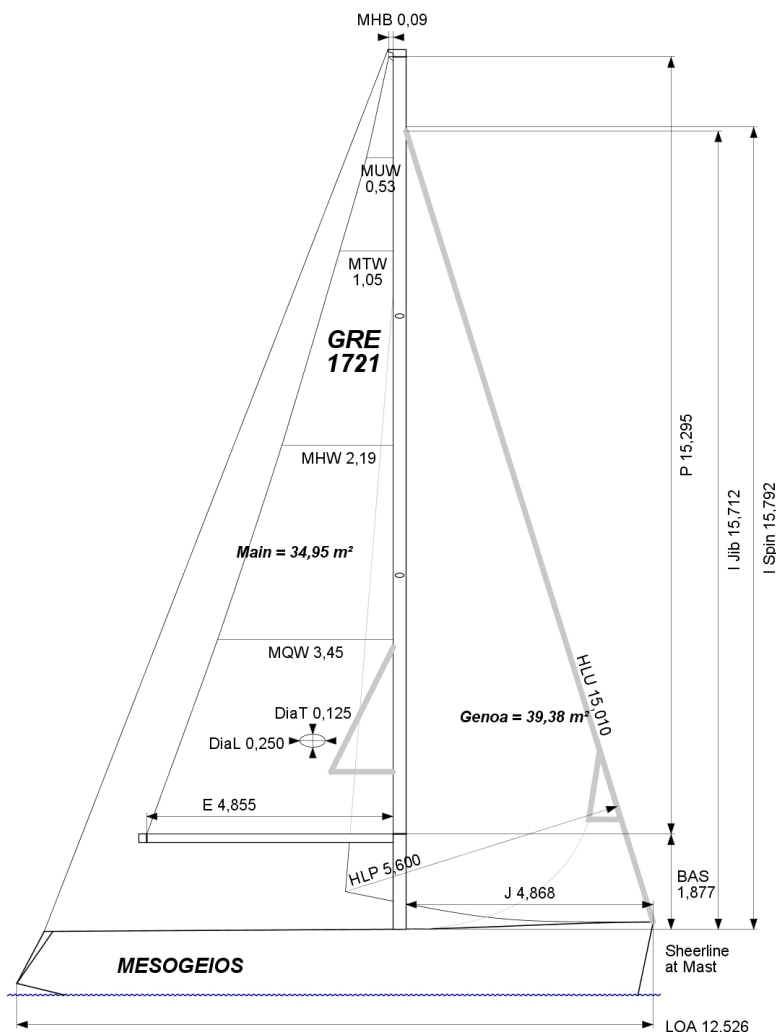
	ToD	ToT
Non Spin GPH	<b>710,5</b>	<b>0,8445</b>
Non Spin OSN	<b>681,4</b>	<b>0,8806</b>

**Sails Limitations**  
 Headsails **1** Spinnakers **0**  
**Dacron Sails**  
 Spinnaker configuration  
 Symmetric: **No**  
 Asymmetric: **No**  
 Flying H/S: **No**  
 Spin. Pole: **No**

**Class Division Length**  
 CDL = **9,396**

**Stability (Estimated)**  
 Limit Positive Stab.: **109,9°**  
 Stability Index: **112,0**

**Owner**



BOAT		GPH		HULL		
Name	<b>MESOGEIOS</b>		<b>710,5</b>	Data File	<b>GR1721</b> LOA <b>12,526m</b>	
Sail Nr	<b>GRE-1721</b>			Offset File	<b>JEANN42G.OFF</b> MB <b>4,110m</b>	
				Displacement	<b>8.410kg</b> Draft <b>2,116m</b>	
<b>CLASS</b>				IMS Division	<b>Cruiser/Racer</b> Dynamic All. <b>0,386%</b>	
Class	<b>SUN ODYSSEY 42I</b>			Fwd Accom.	<b>Yes</b> Construction <b>Solid</b>	
Designer	<b>LOMBARD</b>			Fiber Rigging	<b>No</b> Aramid Core <b>No</b>	
Builder	<b>JEANNEAU</b>			Crew Arm Ex	<b>No</b> Carbon Rudder <b>No</b>	
Series	<b>01/2005</b>				Light Stanchions <b>No</b>	
Age Date	<b>02/2007</b>			IMSL	<b>11,654m</b> VCGD <b>0,010m</b> Sink <b>26,50kg/mm</b>	
Age Allowance	<b>0,390%</b>			RL	<b>7,137m</b> VCGM <b>0,219m</b> WS <b>35,12m²</b>	
<b>COMMENTS</b>				LSM0	<b>11,629m</b> Displacement/Length ratio <b>5,3477</b>	
Builder's declared displacement.				Water Ballast	<b>0</b> Trim Tab <b>No</b>	
<b>PROPELLER</b>				<b>CENTERBOARD</b>		
Installation	<b>Shaft exposed</b>	PRD	<b>0,450</b>			
Type	<b>Solid 3 blades</b>	PIPA	<b>0,0252</b>	<b>N/A</b>		
<b>SCORING OPTIONS</b>						
	<b>COASTAL / LONG DISTANCE</b>			<b>WINDWARD / LEEWARD</b>		
Time On Distance	<b>681,4</b>			<b>764,3</b>		
Time On Time	<b>0,8806</b>			<b>0,8832</b>		
Triple Number	Low	Medium	High	Low	Medium	High
Time on Distance	<b>887,5</b>	<b>614,9</b>	<b>502,2</b>	<b>1163,6</b>	<b>779,0</b>	<b>609,3</b>
Time on Time	<b>0,7606</b>	<b>1,0978</b>	<b>1,3440</b>	<b>0,5801</b>	<b>0,8665</b>	<b>1,1078</b>

<b>BOAT</b>	
Name <b>MESOGIOS</b>	Sail Nr <b>GRE-1721</b>
File <b>GR1721</b>	Data in <b>meters/kilograms</b>

<b>INCLINING TEST AND FREEBOARDS</b>			
Inclining Test <b>Club Estimated VCG</b>			
Flotation date <b>20/04/2015</b>		SG	
FFM	FF	1,426	SFFP 0,295
FAM	FA	1,256	SAFP 11,811
LCF from stem on CL / on sheer		<b>6,877 / 7,155</b>	
Maximum beam station from stem		<b>7,970</b>	
RM Measured		<b>216,0kg·m</b>	
RM Default		<b>212,8kg·m</b>	
Limit of positive stability / Stab.Index		<b>109,9° / 112,0</b>	
Freeboard at mast at 4,868		<b>1,289</b>	

<b>RIG</b>			
Forestay Tension <b>Fixed</b>	Spreaders <b>2</b>		
Inner Stay <b>None Fitted</b>	Runners <b>0</b>		
Carbon Mast <b>No</b>	Jumper Struts <b>None</b>		
Taper Hollows <b>No</b>	Jib Furler <b>Yes</b>		
Fiber Rigging <b>No</b>	Main Furler <b>Yes</b>		
Lenticular Rigging <b>No</b>	Without Backstay <b>No</b>		
Articulated Bowsprit <b>No</b>			
P <b>15,295</b>	E <b>4,855</b>	MDT1 <b>0,125</b>	MW
IG <b>15,712</b>	J <b>4,868</b>	MDL1 <b>0,250</b>	GO
ISP <b>15,792</b>	SFJ <b>0,000</b>	MDT2	BD
BAS <b>1,877</b>	SPL	MDL2	MWT
FSP <b>-3,000</b>	TPS	TL <b>-3,000</b>	MCG



World Leader in Rating Technology

## 2017 Measurements Datasheet

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

<b>PROPELLER</b>			
Installation	<b>Shaft exposed</b>	PRD	<b>0,450</b>
Type	<b>Solid 3 blades</b>	PBW	
Twin Screw	<b>No</b>	PIPA	<b>0,0252</b>
PSA	PHL	ST3	ESL
PSD	ST1	ST4	
PHD	ST2	ST5	

**Certificate**

Number **001090**  
 ORC Ref **GRE01006839**  
 Issued On **17/3/2017**  
 VPP Ver. **2017 1.00**  
 Valid until **28/2/2018**



<b>COMMENTS</b>	
Builder's declared displacement.	

<b>MOVEABLE 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	0,085	0,53	1,05	2,19	3,45	34,95	VAFIAS	20/04/2015	QUANTUM	Dacron						
<b>HEADSAILS (1)</b>																
Id	HHB	HUW	HTW	HHW	HQW	HLP	HLU	Ovrlp	Area	Btn	Fly	Measurer	Meas.Date	Manufacture	Material	Comment
2	0,05	0,58	1,15	2,46	3,99	5,60	15,01	115%	39,38			VAFIAS	20/04/2015	AP SAILS	Dacron	
<b>SYMMETRIC SPINNAKERS (0)</b>																
Id	SLU	SLE	SL	SHW	SFL	Area	Measurer	Meas.Date	Manufacture	Material	Comment					
<b>ASYMMETRIC SPINNAKERS (0)</b>																
Id	SLU	SLE	SL	SHW	SFL	Area	Kind	Measurer	Meas.Date	Manufacture	Material	Comment				



World Leader in Rating Technology

# 2017

## ORC Club Certificate Appendix

<b>BOAT</b>	
Name	<b>MESOGEOIOS</b>
Certificate Number	<b>001090</b>
Sail Nr	<b>GRE-1721</b>
Issued On	<b>17/3/2017</b>

<b>TIME ALLOWANCES</b>							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	<b>1290,7</b>	<b>1024,7</b>	<b>880,8</b>	<b>790,4</b>	<b>723,1</b>	<b>684,9</b>	<b>669,6</b>
52°	<b>820,8</b>	<b>660,2</b>	<b>571,8</b>	<b>515,0</b>	<b>480,4</b>	<b>463,9</b>	<b>456,2</b>
60°	<b>759,6</b>	<b>617,5</b>	<b>536,7</b>	<b>488,5</b>	<b>462,9</b>	<b>449,1</b>	<b>439,7</b>
75°	<b>711,5</b>	<b>583,3</b>	<b>508,7</b>	<b>470,1</b>	<b>450,2</b>	<b>435,8</b>	<b>414,7</b>
90°	<b>718,1</b>	<b>587,4</b>	<b>511,4</b>	<b>470,2</b>	<b>449,1</b>	<b>434,3</b>	<b>405,0</b>
110°	<b>812,3</b>	<b>643,2</b>	<b>549,3</b>	<b>489,9</b>	<b>459,0</b>	<b>440,4</b>	<b>407,8</b>
120°	<b>877,4</b>	<b>686,7</b>	<b>581,1</b>	<b>511,7</b>	<b>470,7</b>	<b>448,4</b>	<b>415,9</b>
135°	<b>1012,8</b>	<b>776,2</b>	<b>645,7</b>	<b>562,9</b>	<b>504,8</b>	<b>469,3</b>	<b>433,0</b>
150°	<b>1184,6</b>	<b>895,0</b>	<b>730,8</b>	<b>627,9</b>	<b>556,7</b>	<b>504,4</b>	<b>450,1</b>
Run VMG	<b>1335,8</b>	<b>1003,4</b>	<b>811,0</b>	<b>688,7</b>	<b>604,9</b>	<b>543,3</b>	<b>466,4</b>

<b>Selected Courses</b>							
Windward / Leeward	<b>1313,2</b>	<b>1014,0</b>	<b>845,9</b>	<b>739,5</b>	<b>664,0</b>	<b>614,1</b>	<b>568,0</b>
Circular Random	<b>1044,7</b>	<b>815,7</b>	<b>685,7</b>	<b>605,2</b>	<b>553,0</b>	<b>518,3</b>	<b>477,9</b>
Ocean for PCS	<b>1294,0</b>	<b>963,4</b>	<b>772,6</b>	<b>653,6</b>	<b>575,7</b>	<b>522,6</b>	<b>455,7</b>
Non Spinnaker	<b>1044,7</b>	<b>815,7</b>	<b>685,7</b>	<b>605,2</b>	<b>553,0</b>	<b>518,3</b>	<b>477,9</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>45,6°</b>	<b>44,4°</b>	<b>43,6°</b>	<b>43,3°</b>	<b>42,9°</b>	<b>41,7°</b>	<b>41,1°</b>
Beat VMG	<b>2,79</b>	<b>3,51</b>	<b>4,09</b>	<b>4,55</b>	<b>4,98</b>	<b>5,26</b>	<b>5,38</b>
52°	<b>4,39</b>	<b>5,45</b>	<b>6,30</b>	<b>6,99</b>	<b>7,49</b>	<b>7,76</b>	<b>7,89</b>
60°	<b>4,74</b>	<b>5,83</b>	<b>6,71</b>	<b>7,37</b>	<b>7,78</b>	<b>8,02</b>	<b>8,19</b>
75°	<b>5,06</b>	<b>6,17</b>	<b>7,08</b>	<b>7,66</b>	<b>8,00</b>	<b>8,26</b>	<b>8,68</b>
90°	<b>5,01</b>	<b>6,13</b>	<b>7,04</b>	<b>7,66</b>	<b>8,02</b>	<b>8,29</b>	<b>8,89</b>
110°	<b>4,43</b>	<b>5,60</b>	<b>6,55</b>	<b>7,35</b>	<b>7,84</b>	<b>8,17</b>	<b>8,83</b>
120°	<b>4,10</b>	<b>5,24</b>	<b>6,20</b>	<b>7,04</b>	<b>7,65</b>	<b>8,03</b>	<b>8,66</b>
135°	<b>3,55</b>	<b>4,64</b>	<b>5,58</b>	<b>6,40</b>	<b>7,13</b>	<b>7,67</b>	<b>8,31</b>
150°	<b>3,04</b>	<b>4,02</b>	<b>4,93</b>	<b>5,73</b>	<b>6,47</b>	<b>7,14</b>	<b>8,00</b>
Run VMG	<b>2,70</b>	<b>3,59</b>	<b>4,44</b>	<b>5,23</b>	<b>5,95</b>	<b>6,63</b>	<b>7,72</b>
Gybe Angles	<b>173,8°</b>	<b>174,2°</b>	<b>175,0°</b>	<b>175,8°</b>	<b>176,5°</b>	<b>176,9°</b>	<b>178,6°</b>