



World Leader in Rating Technology

## 2018 ORC Club Certificate

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



**Certificate**  
 Number **000268**  
 Issued On **5/4/2018**  
 ORC Ref **GRE01009362**  
 VPP Ver. **2018 1.00**  
 Valid until **28/2/2019**

**Crew Weight**

Default	630kg
Maximum	<b>650kg</b>
Minimum*	<b>488kg</b>

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

**Special Scoring**

ToD	ToT
Non Spin GPH <b>692,4</b>	<b>0,8666</b>
Non Spin OSN <b>670,8</b>	<b>0,8945</b>

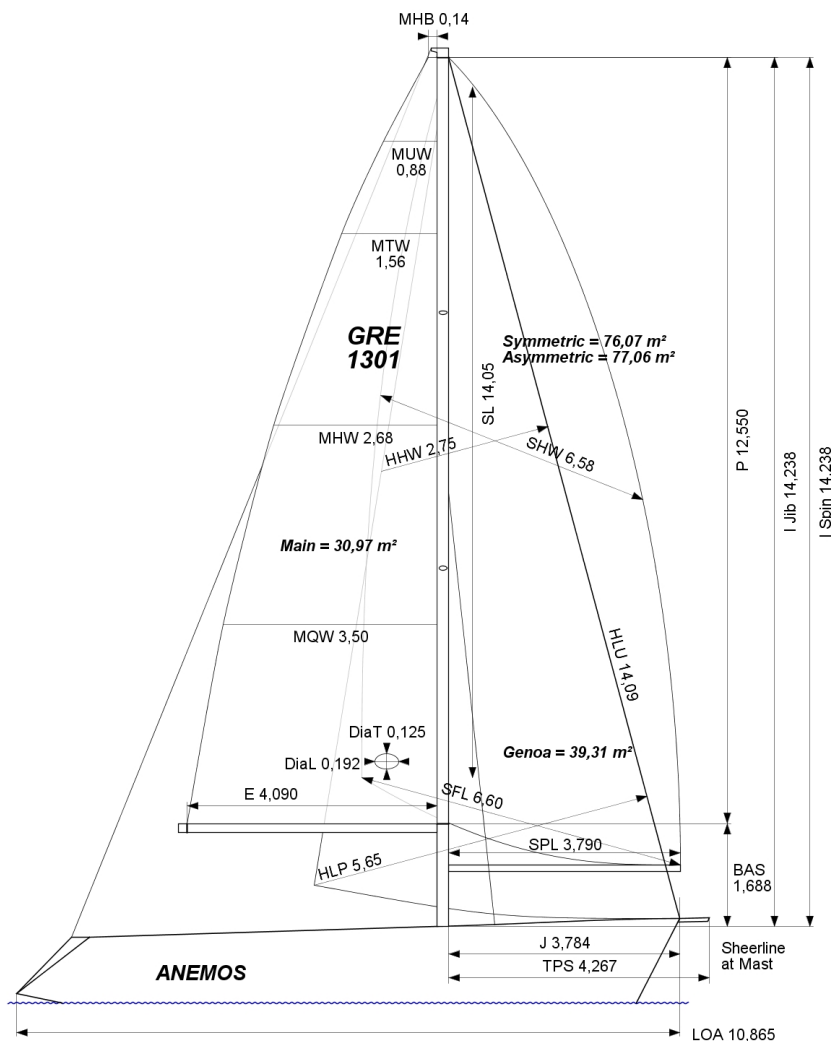
**Sails Limitations**  
 Headsails **5** Spinnakers **3**

**Spinnaker configuration**  
 Symmetric: **Yes** **76,07**  
 Asymmetric: **Yes** **77,06**  
 Flying H/S: **No**  
 Spin. Pole: **Yes**

**Class Division Length**  
 CDL = **8,346**

**Stability (Estimated)**  
 Limit Positive Stab.: **105,1°**  
 Stability Index: **104,2**

**Owner**



<b>BOAT</b> Name <b>ANEMOS</b> Sail Nr <b>GRE-1301</b>	<b>GPH</b> <b>666,6</b>	<b>HULL</b> Data File <b>GR1301</b> LOA <b>10,865m</b> Offset File <b>DUF36C.OFF</b> MB <b>3,772m</b> Displacement <b>5.879kg</b> Draft <b>1,732m</b>
<b>CLASS</b> Class <b>DUFOUR 36 Classic</b> Designer Builder <b>DUFOUR</b> Series <b>06/1999</b> Age Date <b>11/2000</b> Age Allowance <b>0,487%</b>		IMS Division <b>Cruiser/Racer</b> Dynamic All. <b>0,334%</b> Fwd Accom. <b>Yes</b> 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>
<b>COMMENTS</b> ex "LYDIA"		IMSL <b>9,339m</b> VCGD <b>0,142m</b> Sink <b>20,19kg/mm</b> RL <b>7,351m</b> VCGM <b>0,250m</b> WS <b>25,36m<sup>2</sup></b> LSM0 <b>9,395m</b> Displacement/Length ratio <b>7,0895</b>
<b>PROPELLER</b> Installation <b>Strut</b> PRD <b>0,408</b> Type <b>Feathering 3 blades</b> PBW <b>0,107</b> PIPA <b>0,0032</b>		Water Ballast <b>0</b> Trim Tab <b>No</b> BLR Index <b>0,0000</b>
<b>SCORING OPTIONS</b>		<b>CENTERBOARD</b> <b>N/A</b>
	<b>COASTAL / LONG DISTANCE</b>	<b>WINDWARD / LEEWARD</b>
Time on Distance	<b>647,2</b>	<b>724,4</b>
Time on Time	<b>0,9271</b>	<b>0,9318</b>
Triple Number	Low Medium High	Low Medium High
Time on Distance	<b>770,4 588,9 523,4</b>	<b>996,6 731,1 630,5</b>
Time on Time	<b>0,8762 1,1462 1,2897</b>	<b>0,6773 0,9233 1,0705</b>

<b>BOAT</b>	
Name <b>ANEMOS</b>	Sail Nr <b>GRE-1301</b>
File <b>GR1301</b>	Data in <b>meters/kilograms</b>

<b>INCLINING TEST AND FREEBOARDS</b>		
Inclining Test <b>Club Estimated VCG</b>		
Flotation date <b>13/05/2008</b>	SG <b>1,0300</b>	
FFM <b>1,374</b>	FF <b>1,438</b>	SFFP <b>0,217</b>
FAM <b>1,080</b>	FA <b>1,052</b>	SAFP <b>9,665</b>
LCF from stem on CL / on sheer		<b>5,896 / 6,177</b>
Maximum beam station from stem		<b>6,600</b>
RM Measured		<b>152,9kg·m</b>
RM Default		<b>148,5kg·m</b>
Limit of positive stability / Stab.Index		<b>105,1° / 104,2</b>
Freeboard at mast at 3,784		<b>1,250</b>



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**2018**  
Measurements  
Datasheet

<b>RIG</b>				
Forestay Tension <b>Fixed</b>	Spreaders <b>2</b>		Runners <b>0</b>	
Inner Stay <b>Fixed</b>	Jumper Struts <b>None</b>		Jib Furler <b>No</b>	
Carbon Mast <b>No</b>	Main Furler <b>No</b>		Without Backstay <b>No</b>	
Taper Hollows <b>No</b>				
Fiber Rigging <b>No</b>				
Lenticular Rigging <b>No</b>				
Articulated Bowsprit <b>No</b>				
P <b>12,550</b>	E <b>4,090</b>	MDT1 <b>0,125</b>	MW	
IG <b>14,238</b>	J <b>3,784</b>	MDL1 <b>0,192</b>	GO	
ISP <b>14,238</b>	SFJ <b>0,000</b>	MDT2	BD	
BAS <b>1,688</b>	SPL <b>3,790</b>	MDL2	MWT	
FSP <b>-3,000</b>	TPS <b>4,267</b>	TL <b>-3,000</b>	MCG	

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

<b>PROPELLER</b>		
Installation <b>Strut</b>	PRD <b>0,408</b>	
Type <b>Feathering 3 blades</b>	PBW <b>0,107</b>	
Twin Screw <b>No</b>	PIPA <b>0,0032</b>	
ST1 <b>0,043</b>	ST3 <b>0,170</b>	ST5 <b>0,335</b>
ST2 <b>0,170</b>	ST4 <b>0,096</b>	EDL <b>2,900</b>

<b>COMMENTS</b>	
ex "LYDIA"	

<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	0,140	0,88	1,56	2,68	3,50	30,97	KALATZIS	30/03/2013	QUANTUM	Pentex						
<b>HEADSAILS (5)</b>																
Id	HHB	HUW	HTW	HHW	HQW	HLP	HLU	Ovrlp	Area	Btn	Fly	Measurer	Meas.Date	Manufacture	Material	Comment
1a	0,07	0,71	1,37	2,75	4,17	5,65	14,09	149%	39,31			KALATZIS	07/03/2017	QUANTUM	Pentex	No 1
3	0,05	0,68	1,35	2,72	4,14	5,64	14,10	149%	39,02			KALATZIS	01/12/2009	ZOUGANELI	Pentex	
4	0,07	0,61	1,18	2,43	3,79	5,29	13,97	140%	35,36			KALATZIS	30/03/2013	QUANTUM	Pentex	
1	0,08	0,64	1,23	2,48	3,77	5,16	13,45	136%	34,01			KALATZIS	12/09/2008	ZOUGANELI	Pentex	
2						4,12	13,62	109%	28,56			KALATZIS	18/03/2009	ZOUGANELI	Dacron	No 3
<b>SYMMETRIC SPINNAKERS (1)</b>																
Id	SLU	SLE	SL	SHW	SFL	Area	Measurer	Meas.Date	Manufacture	Material	Comment					
1	13,64	13,64	13,64	6,70	6,66	76,07	KALATZIS	18/03/2009	ZOUGANELI	Unknown						
<b>ASYMMETRIC SPINNAKERS (1)</b>																
Id	SLU	SLE	SL	SHW	SFL	Area	Kind	Measurer	Meas.Date	Manufacture	Material	Comment				
1	14,37	13,72	14,04	6,58	6,60	77,06	asym	KALATZIS	12/09/2008	ZOUGANELI	Unknown					

<b>MEASUREMENT INVENTORY</b>				
Measurer <b>KALATZIS GRE-21</b>				
Date <b>28/03/2009</b>				
Comment				
Id	Item	Weight	Distance	VCG Description
2	Anchor	7,5	8,40	DANFORTH
4	Anchor	15,0	0,70	GQR
2	Chain	18,0	8,40	
4	Chain	164,0	0,70	
4	Tools	10,0	5,40	
Id	Item	Maker	Model	
1	Engine	VOLVO PENTA	MD 2030-C	
Id	Item	Weight	Description	

<b>MEASUREMENT INVENTORY</b>								
Id	Item	Tank Use	Tank Type	Capcty	Dist.	VCG	Condn	Description
3	Tank	WATER	PVC hard	160,0	2,20		0,0	
2	Tank	WATER	PVC HARD	160,0	6,80		0,0	
1	Tank	FUEL	PVC HARD	160,0	6,80		0,0	
Id	Item	Weight	Distance	VCG Description				
2	Battery	54,0	8,80	2 x 100 Ah				
1	Battery	34,0	8,80	2X60Ah				
2	Misc	15,0	1,30	ANCHOR WINDLASS (1000W)				
1	Misc	7,0	7,00	WATER HEATER (18L)				



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# 2018

## ORC Club Certificate Appendix

<b>BOAT</b>	
Name	<b>ANEMOS</b>
Sail Nr	<b>GRE-1301</b>
Certificate Number	<b>000268</b>
Issued On	<b>5/4/2018</b>

<b>TIME ALLOWANCES</b>							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	<b>1146,3</b>	<b>958,0</b>	<b>850,4</b>	<b>778,8</b>	<b>752,0</b>	<b>743,3</b>	<b>752,2</b>
52°	<b>742,3</b>	<b>629,0</b>	<b>561,4</b>	<b>529,4</b>	<b>516,0</b>	<b>511,5</b>	<b>511,0</b>
60°	<b>699,5</b>	<b>594,9</b>	<b>539,1</b>	<b>514,4</b>	<b>501,6</b>	<b>496,1</b>	<b>493,9</b>
75°	<b>667,1</b>	<b>569,3</b>	<b>524,2</b>	<b>502,5</b>	<b>487,8</b>	<b>476,5</b>	<b>466,3</b>
90°	<b>670,3</b>	<b>570,2</b>	<b>515,8</b>	<b>491,8</b>	<b>476,0</b>	<b>468,1</b>	<b>444,0</b>
110°	<b>679,7</b>	<b>563,3</b>	<b>512,0</b>	<b>486,5</b>	<b>464,9</b>	<b>445,0</b>	<b>417,2</b>
120°	<b>701,6</b>	<b>580,1</b>	<b>519,8</b>	<b>491,9</b>	<b>469,9</b>	<b>448,3</b>	<b>411,2</b>
135°	<b>775,2</b>	<b>634,0</b>	<b>549,8</b>	<b>509,4</b>	<b>486,0</b>	<b>464,7</b>	<b>424,3</b>
150°	<b>909,5</b>	<b>720,7</b>	<b>613,6</b>	<b>544,0</b>	<b>508,6</b>	<b>486,7</b>	<b>447,0</b>
Run VMG	<b>1050,3</b>	<b>831,9</b>	<b>706,3</b>	<b>620,5</b>	<b>558,8</b>	<b>518,4</b>	<b>475,1</b>
<b>Selected Courses</b>							
Windward / Leeward	<b>1098,3</b>	<b>894,9</b>	<b>778,3</b>	<b>699,7</b>	<b>655,4</b>	<b>630,9</b>	<b>613,7</b>
Circular Random	<b>922,2</b>	<b>743,3</b>	<b>646,5</b>	<b>590,0</b>	<b>555,5</b>	<b>533,8</b>	<b>509,5</b>
Coastal / Long Distance	<b>1093,5</b>	<b>839,2</b>	<b>697,8</b>	<b>608,5</b>	<b>563,7</b>	<b>532,6</b>	<b>482,5</b>
Non Spinnaker	<b>968,4</b>	<b>775,9</b>	<b>670,8</b>	<b>608,8</b>	<b>570,7</b>	<b>546,8</b>	<b>519,9</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>44,1°</b>	<b>42,8°</b>	<b>42,9°</b>	<b>42,0°</b>	<b>41,1°</b>	<b>40,8°</b>	<b>41,6°</b>
Beat VMG	<b>3,14</b>	<b>3,76</b>	<b>4,23</b>	<b>4,62</b>	<b>4,79</b>	<b>4,84</b>	<b>4,79</b>
52°	<b>4,85</b>	<b>5,72</b>	<b>6,41</b>	<b>6,80</b>	<b>6,98</b>	<b>7,04</b>	<b>7,04</b>
60°	<b>5,15</b>	<b>6,05</b>	<b>6,68</b>	<b>7,00</b>	<b>7,18</b>	<b>7,26</b>	<b>7,29</b>
75°	<b>5,40</b>	<b>6,32</b>	<b>6,87</b>	<b>7,16</b>	<b>7,38</b>	<b>7,56</b>	<b>7,72</b>
90°	<b>5,37</b>	<b>6,31</b>	<b>6,98</b>	<b>7,32</b>	<b>7,56</b>	<b>7,69</b>	<b>8,11</b>
110°	<b>5,30</b>	<b>6,39</b>	<b>7,03</b>	<b>7,40</b>	<b>7,74</b>	<b>8,09</b>	<b>8,63</b>
120°	<b>5,13</b>	<b>6,21</b>	<b>6,93</b>	<b>7,32</b>	<b>7,66</b>	<b>8,03</b>	<b>8,75</b>
135°	<b>4,64</b>	<b>5,68</b>	<b>6,55</b>	<b>7,07</b>	<b>7,41</b>	<b>7,75</b>	<b>8,48</b>
150°	<b>3,96</b>	<b>5,00</b>	<b>5,87</b>	<b>6,62</b>	<b>7,08</b>	<b>7,40</b>	<b>8,05</b>
Run VMG	<b>3,43</b>	<b>4,33</b>	<b>5,10</b>	<b>5,80</b>	<b>6,44</b>	<b>6,94</b>	<b>7,58</b>
Gybe Angles	<b>146,9°</b>	<b>151,1°</b>	<b>153,3°</b>	<b>157,1°</b>	<b>175,4°</b>	<b>180,0°</b>	<b>180,0°</b>