



World Leader in Rating Technology

## 2018 ORC Club Certificate

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



**Certificate**  
Number **001214**  
Issued On **25/4/2018**  
ORC Ref **GRE01009557**  
VPP Ver. **2018 1.00**  
Valid until **28/2/2019**

**Crew Weight**

Default	795kg
Maximum	795kg
Minimum*	596kg

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

**Special Scoring**

ToD	ToT
Non Spin GPH <b>745,4</b>	<b>0,8049</b>
Non Spin OSN <b>716,2</b>	<b>0,8377</b>

**Sails Limitations**

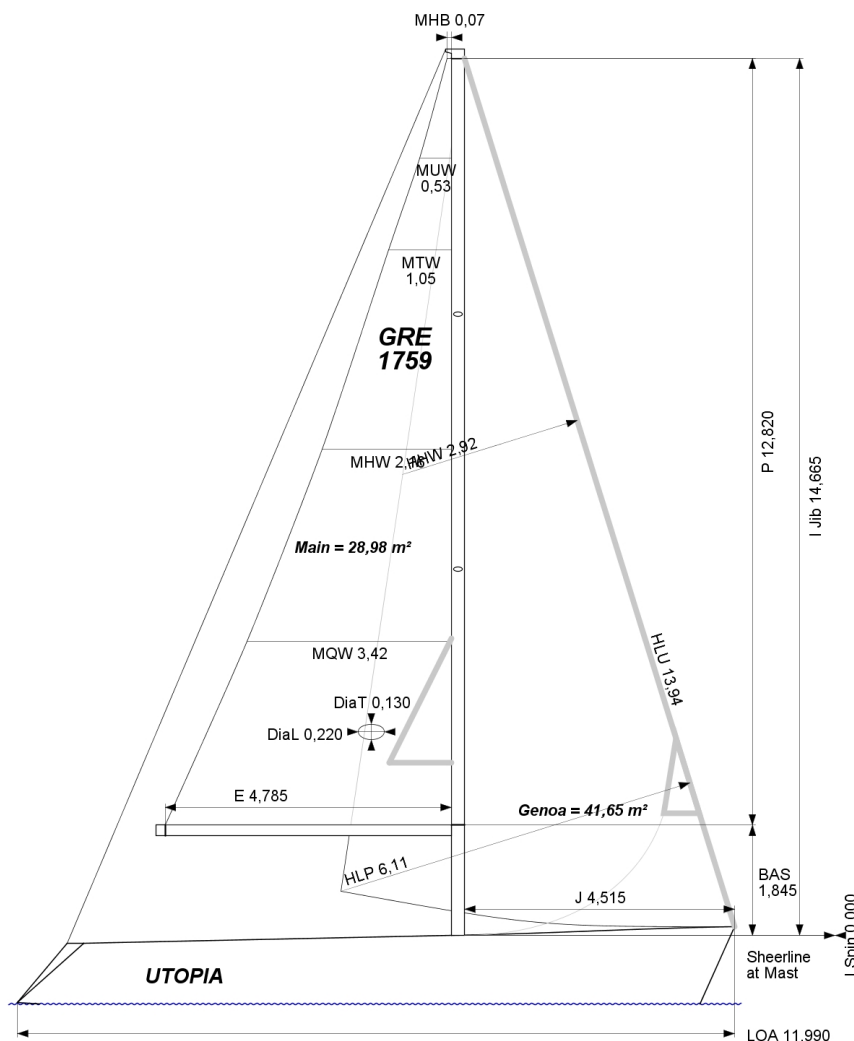
Headsails **1** Spinnakers **0**  
**Dacron Sails**

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

**Class Division Length**  
CDL = **8,592**

**Stability (Estimated)**  
Limit Positive Stab.: **101,6°**  
Stability Index: **105,5**

**Owner**



<b>BOAT</b> Name <b>UTOPIA</b> Sail Nr <b>GRE-1759</b>		<b>GPH</b> <b>745,4</b>	<b>HULL</b> Data File <b>GR1759</b> LOA <b>11,990m</b> Offset File <b>GR0062.BOF</b> MB <b>3,922m</b> Displacement <b>8,500kg</b> Draft <b>1,722m</b>			
<b>CLASS</b> Class <b>OCEANIS 400 CC</b> Designer <b>FINOT</b> Builder <b>BENETEAU</b> Series <b>01/1995</b> Age Date Age Allowance <b>0,487%</b>		IMS Division <b>Cruiser/Racer</b> Dynamic All. <b>0,423%</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> Builder's displacement.		IMSL <b>11,019m</b> VCGD <b>0,404m</b> Sink <b>24,93kg/mm</b> RL <b>6,164m</b> VCGM <b>0,252m</b> WS <b>33,31m²</b> LSM0 <b>11,059m</b> Displacement/Length ratio <b>6,2845</b>				
<b>PROPELLER</b> Installation <b>Shaft non exposed</b> PRD <b>0,520</b> Type <b>Solid 3 blades</b> PIPA <b>0,0162</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>716,2</b>			<b>805,5</b>		
Time on Time	<b>0,8377</b>			<b>0,8380</b>		
Triple Number	Low	Medium	High	Low	Medium	High
Time on Distance	<b>921,3</b>	<b>646,9</b>	<b>533,9</b>	<b>1210,1</b>	<b>820,2</b>	<b>650,4</b>
Time on Time	<b>0,7327</b>	<b>1,0435</b>	<b>1,2643</b>	<b>0,5578</b>	<b>0,8230</b>	<b>1,0379</b>

<b>BOAT</b>	
Name <b>UTOPIA</b>	Sail Nr <b>GRE-1759</b>
File <b>GR1759</b>	Data in <b>meters/kilograms</b>

<b>INCLINING TEST AND FREEBOARDS</b>			
Inclining Test <b>Club Estimated VCG</b>			
Flotation date <b>17/04/2017</b>		SG	
FFM	FF <b>1,265</b>	SFFP	<b>1,000</b>
FAM	FA <b>1,016</b>	SAFP	<b>10,880</b>
LCF from stem on CL / on sheer		<b>6,696 / 6,984</b>	
Maximum beam station from stem		<b>7,270</b>	
RM Measured		<b>183,4kg·m</b>	
RM Default		<b>180,4kg·m</b>	
Limit of positive stability / Stab.Index		<b>101,6° / 105,5</b>	
Freeboard at mast at 4,515		<b>1,146</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>12,820</b>	E <b>4,785</b>	MDT1 <b>0,130</b>	MW
IG <b>14,665</b>	J <b>4,515</b>	MDL1 <b>0,220</b>	GO
ISP	SFJ <b>0,000</b>	MDT2	BD <b>0,179</b>
BAS <b>1,845</b>	SPL	MDL2	MWT
FSP <b>0,078</b>	TPS	TL <b>-3,000</b>	MCG



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Measurements Datasheet

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

<b>PROPELLER</b>			
Installation	<b>Shaft non exposed</b>	PRD	<b>0,520</b>
Type	<b>Solid 3 blades</b>	PBW	
Twin Screw	<b>No</b>	PIPA	<b>0,0162</b>
PSA	PHD	ESL	
PSD	PHL		

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

<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	0,070	0,53	1,05	2,16	3,42	28,98		17/04/2016	KAFETZIDA	Dacron						
<b>HEADSAILS (1)</b>																
Id	HHB	HUW	HTW	HHW	HQW	HLP	HLU	Ovrlp	Area	Btn	Fly	Measurer	Meas.Date	Manufacture	Material	Comment
1	0,07	0,72	1,41	2,92	4,51	6,11	13,94	135%	41,65				17/04/2016	KAFETZIDA	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				



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# 2018

## ORC Club Certificate Appendix

<b>BOAT</b>	
Name <b>UTOPIA</b>	Certificate Number <b>001214</b>
Sail Nr <b>GRE-1759</b>	Issued On <b>25/4/2018</b>

<b>TIME ALLOWANCES</b>							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	<b>1362,5</b>	<b>1087,1</b>	<b>942,3</b>	<b>850,5</b>	<b>781,0</b>	<b>742,8</b>	<b>729,6</b>
52°	<b>860,9</b>	<b>697,5</b>	<b>610,4</b>	<b>550,6</b>	<b>513,0</b>	<b>495,6</b>	<b>487,3</b>
60°	<b>795,6</b>	<b>653,4</b>	<b>572,8</b>	<b>520,1</b>	<b>492,4</b>	<b>478,6</b>	<b>469,3</b>
75°	<b>747,8</b>	<b>620,1</b>	<b>543,5</b>	<b>499,9</b>	<b>477,9</b>	<b>464,4</b>	<b>447,9</b>
90°	<b>755,9</b>	<b>623,7</b>	<b>545,1</b>	<b>498,8</b>	<b>475,6</b>	<b>459,2</b>	<b>434,3</b>
110°	<b>826,5</b>	<b>661,9</b>	<b>571,0</b>	<b>511,8</b>	<b>480,6</b>	<b>462,4</b>	<b>433,3</b>
120°	<b>889,6</b>	<b>702,4</b>	<b>600,5</b>	<b>531,6</b>	<b>491,2</b>	<b>469,3</b>	<b>439,7</b>
135°	<b>1022,3</b>	<b>788,2</b>	<b>661,7</b>	<b>581,6</b>	<b>524,1</b>	<b>489,5</b>	<b>454,8</b>
150°	<b>1200,8</b>	<b>910,2</b>	<b>746,9</b>	<b>646,4</b>	<b>576,6</b>	<b>524,5</b>	<b>471,2</b>
Run VMG	<b>1364,5</b>	<b>1026,6</b>	<b>832,4</b>	<b>710,4</b>	<b>628,0</b>	<b>566,5</b>	<b>490,1</b>
<b>Selected Courses</b>							
Windward / Leeward	<b>1363,5</b>	<b>1056,8</b>	<b>887,4</b>	<b>780,5</b>	<b>704,5</b>	<b>654,6</b>	<b>609,9</b>
Circular Random	<b>1087,8</b>	<b>852,8</b>	<b>720,0</b>	<b>638,0</b>	<b>585,1</b>	<b>550,4</b>	<b>511,3</b>
Coastal / Long Distance	<b>1363,6</b>	<b>989,9</b>	<b>791,6</b>	<b>666,3</b>	<b>591,8</b>	<b>542,3</b>	<b>483,2</b>
Non Spinnaker	<b>1087,8</b>	<b>852,8</b>	<b>720,0</b>	<b>638,0</b>	<b>585,1</b>	<b>550,4</b>	<b>511,3</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>45,2°</b>	<b>44,2°</b>	<b>44,0°</b>	<b>44,0°</b>	<b>43,1°</b>	<b>43,0°</b>
Beat VMG	<b>2,64</b>	<b>3,31</b>	<b>3,82</b>	<b>4,23</b>	<b>4,61</b>	<b>4,85</b>	<b>4,93</b>
52°	<b>4,18</b>	<b>5,16</b>	<b>5,90</b>	<b>6,54</b>	<b>7,02</b>	<b>7,26</b>	<b>7,39</b>
60°	<b>4,52</b>	<b>5,51</b>	<b>6,28</b>	<b>6,92</b>	<b>7,31</b>	<b>7,52</b>	<b>7,67</b>
75°	<b>4,81</b>	<b>5,81</b>	<b>6,62</b>	<b>7,20</b>	<b>7,53</b>	<b>7,75</b>	<b>8,04</b>
90°	<b>4,76</b>	<b>5,77</b>	<b>6,60</b>	<b>7,22</b>	<b>7,57</b>	<b>7,84</b>	<b>8,29</b>
110°	<b>4,36</b>	<b>5,44</b>	<b>6,30</b>	<b>7,03</b>	<b>7,49</b>	<b>7,79</b>	<b>8,31</b>
120°	<b>4,05</b>	<b>5,13</b>	<b>5,99</b>	<b>6,77</b>	<b>7,33</b>	<b>7,67</b>	<b>8,19</b>
135°	<b>3,52</b>	<b>4,57</b>	<b>5,44</b>	<b>6,19</b>	<b>6,87</b>	<b>7,35</b>	<b>7,92</b>
150°	<b>3,00</b>	<b>3,96</b>	<b>4,82</b>	<b>5,57</b>	<b>6,24</b>	<b>6,86</b>	<b>7,64</b>
Run VMG	<b>2,64</b>	<b>3,51</b>	<b>4,32</b>	<b>5,07</b>	<b>5,73</b>	<b>6,36</b>	<b>7,34</b>
Gybe Angles	<b>168,3°</b>	<b>168,7°</b>	<b>169,5°</b>	<b>170,6°</b>	<b>171,4°</b>	<b>171,7°</b>	<b>175,1°</b>