



World Leader in Rating Technology

## 2018 ORC Club Certificate

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



**Certificate**  
 Number **000208**  
 Issued On **16/5/2018**  
 ORC Ref **GRE01009794**  
 VPP Ver. **2018 1.00**  
 Valid until **28/2/2019**

**Crew Weight**

Default	543kg
Maximum	<b>450kg</b>
Minimum*	<b>338kg</b>

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

**Special Scoring**

ToD	ToT
Non Spin GPH <b>797,9</b>	<b>0,7520</b>
Non Spin OSN <b>765,3</b>	<b>0,7840</b>

**Sails Limitations**

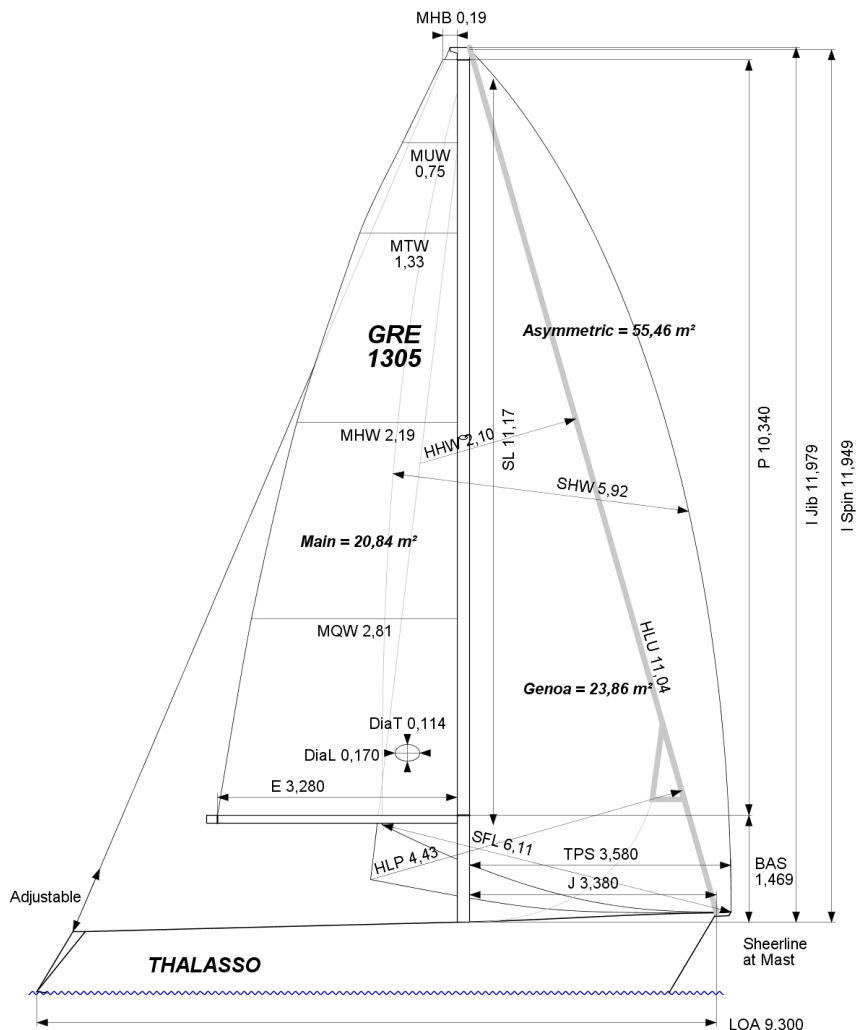
Headsails **1** Spinnakers **3**

**Spinnaker configuration**  
 Symmetric: **No**  
 Asymmetric: **Yes 55,46**  
 Flying H/S: **No**  
 Spin. Pole: **No**

**Class Division Length**  
 CDL = **6,970**

**Stability (Estimated)**  
 Limit Positive Stab.: **111,1°**  
 Stability Index: **114,8**

**Owner**



<b>BOAT</b> Name <b>THALASSO</b> Sail Nr <b>GRE-1305</b>	<b>GPH</b> <b>760,1</b>	<b>HULL</b> Data File <b>GR1305</b> LOA <b>9,300m</b> Offset File <b>CLSOD322.OFF</b> MB <b>2,972m</b> Displacement <b>4,585kg</b> Draft <b>1,477m</b>
<b>CLASS</b> Class <b>SUN ODYSSEY 32.2</b> Designer <b>Fauroux</b> Builder <b>JEANNEAU</b> Series <b>10/1989</b> Age Date <b>04/2000</b> Age Allowance <b>0,487%</b>		IMS Division <b>Cruiser/Racer</b> Dynamic All. <b>0,461%</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> Weighted by measurer.		IMSL <b>8,459m</b> VCGD <b>0,085m</b> Sink <b>15,62kg/mm</b> RL <b>5,480m</b> VCGM <b>0,051m</b> WS <b>20,50m<sup>2</sup></b> LSM0 <b>8,473m</b> Displacement/Length ratio <b>7,5375</b>
<b>PROPELLER</b> Installation <b>Shaft exposed</b> PRD <b>0,381</b> Type <b>Solid 3 blades</b> PIPA <b>0,0181</b>		Water Ballast <b>0</b> Trim Tab <b>No</b> BLR Index <b>0,0000</b>
		<b>CENTERBOARD</b>  <b>N/A</b>

**SCORING OPTIONS**

	COASTAL / LONG DISTANCE			WINDWARD / LEEWARD		
Time on Distance	<b>735,4</b>			<b>831,4</b>		
Time on Time	<b>0,8159</b>			<b>0,8119</b>		
Triple Number	Low	Medium	High	Low	Medium	High
Time on Distance	<b>899,8</b>	<b>666,5</b>	<b>578,9</b>	<b>1169,2</b>	<b>845,3</b>	<b>706,5</b>
Time on Time	<b>0,7502</b>	<b>1,0128</b>	<b>1,1660</b>	<b>0,5773</b>	<b>0,7985</b>	<b>0,9554</b>

<b>BOAT</b>	
Name <b>THALASSO</b>	Sail Nr <b>GRE-1305</b>
File <b>GR1305</b>	Data in <b>meters/kilograms</b>

<b>INCLINING TEST AND FREEBOARDS</b>			
Inclining Test <b>Club Estimated VCG</b>			
Flotation date <b>15/04/2015</b>		SG	
FFM	FF	1,090	SFFP 0,349
FAM	FA	0,845	SAFP 8,642
LCF from stem on CL / on sheer		5,275 / 5,480	
Maximum beam station from stem		5,361	
RM Measured		77,5kg·m	
RM Default		75,2kg·m	
Limit of positive stability / Stab.Index		111,1° / 114,8	
Freeboard at mast at 3,380		0,965	

<b>RIG</b>			
Forestay Tension <b>Aft</b>	Spreaders <b>1</b>		Runners <b>0</b>
Inner Stay <b>None Fitted</b>	Jumper Struts <b>None</b>		Jib Furler <b>Yes</b>
Carbon Mast <b>No</b>	Main Furler <b>No</b>		Without Backstay <b>No</b>
Taper Hollows <b>No</b>	Articulated Bowsprit <b>No</b>		
Fiber Rigging <b>No</b>			
Lenticular Rigging <b>No</b>			
P <b>10,340</b>	E <b>3,280</b>	MDT1 <b>0,114</b>	MW
IG <b>11,979</b>	J <b>3,380</b>	MDL1 <b>0,170</b>	GO
ISP <b>11,949</b>	SFJ <b>0,000</b>	MDT2	BD
BAS <b>1,469</b>	SPL	MDL2	MWT
FSP <b>-3,000</b>	TPS <b>3,580</b>	TL <b>-3,000</b>	MCG



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**2018**  
Measurements  
Datasheet

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

<b>PROPELLER</b>			
Installation	<b>Shaft exposed</b>	PRD	0,381
Type	<b>Solid 3 blades</b>	PBW	
Twin Screw	<b>No</b>	PIPA	0,0181
PSA	PHL	ST3	ESL
PSD	ST1	ST4	
PHD	ST2	ST5	

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<b>COMMENTS</b>	
Weighted by measurer.	

<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	0,190	0,75	1,33	2,19	2,81	20,84		13/06/2014	ZOUGANELI	Polyester						
<b>HEADSAILS (1)</b>																
Id	HHB	HUW	HTW	HHW	HQW	HLP	HLU	Ovrlp	Area	Btn	Fly	Measurer	Meas.Date	Manufacture	Material	Comment
2	0,08	0,55	1,04	2,10	3,23	4,43	11,04	131%	23,86	N			09/12/2015	ZOUGNELIS	Polyest	
<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	11,83	10,51	11,17	5,92	6,11	55,46	asym		13/06/2014	ZOUGANELI	Nylon					



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# 2018

## ORC Club Certificate Appendix

BOAT	
Name	<b>THALASSO</b>
Certificate Number	<b>000208</b>
Sail Nr	<b>GRE-1305</b>
Issued On	<b>16/5/2018</b>

TIME ALLOWANCES							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	<b>1392,2</b>	<b>1130,0</b>	<b>994,1</b>	<b>902,1</b>	<b>841,3</b>	<b>815,4</b>	<b>812,2</b>
52°	<b>895,3</b>	<b>741,7</b>	<b>654,0</b>	<b>594,9</b>	<b>567,3</b>	<b>554,6</b>	<b>550,2</b>
60°	<b>839,9</b>	<b>702,8</b>	<b>618,2</b>	<b>571,2</b>	<b>550,0</b>	<b>538,3</b>	<b>531,2</b>
75°	<b>800,7</b>	<b>672,5</b>	<b>592,5</b>	<b>555,3</b>	<b>535,8</b>	<b>522,8</b>	<b>505,6</b>
90°	<b>783,1</b>	<b>642,1</b>	<b>564,2</b>	<b>534,2</b>	<b>517,5</b>	<b>509,8</b>	<b>491,4</b>
110°	<b>772,4</b>	<b>634,3</b>	<b>560,1</b>	<b>529,4</b>	<b>507,9</b>	<b>487,8</b>	<b>457,3</b>
120°	<b>801,2</b>	<b>655,4</b>	<b>570,8</b>	<b>535,3</b>	<b>512,9</b>	<b>491,3</b>	<b>451,8</b>
135°	<b>890,6</b>	<b>715,8</b>	<b>611,8</b>	<b>555,4</b>	<b>528,3</b>	<b>507,8</b>	<b>467,6</b>
150°	<b>1044,2</b>	<b>821,5</b>	<b>701,6</b>	<b>621,1</b>	<b>576,1</b>	<b>546,4</b>	<b>511,0</b>
Run VMG	<b>1205,8</b>	<b>948,6</b>	<b>810,1</b>	<b>717,2</b>	<b>663,6</b>	<b>600,2</b>	<b>537,1</b>

Selected Courses							
Windward / Leeward	<b>1299,0</b>	<b>1039,3</b>	<b>902,1</b>	<b>809,7</b>	<b>752,5</b>	<b>707,8</b>	<b>674,7</b>
Circular Random	<b>1072,3</b>	<b>855,3</b>	<b>736,0</b>	<b>664,9</b>	<b>620,7</b>	<b>592,4</b>	<b>560,8</b>
Coastal / Long Distance	<b>1289,7</b>	<b>972,5</b>	<b>802,1</b>	<b>690,8</b>	<b>630,4</b>	<b>587,4</b>	<b>530,1</b>
Non Spinnaker	<b>1146,1</b>	<b>905,8</b>	<b>771,5</b>	<b>690,0</b>	<b>638,7</b>	<b>605,9</b>	<b>570,6</b>

Velocity Prediction in Knots for True Wind Speeds							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat Angles	<b>44,8°</b>	<b>43,2°</b>	<b>42,5°</b>	<b>42,8°</b>	<b>42,6°</b>	<b>41,9°</b>	<b>42,0°</b>
Beat VMG	<b>2,59</b>	<b>3,19</b>	<b>3,62</b>	<b>3,99</b>	<b>4,28</b>	<b>4,42</b>	<b>4,43</b>
52°	<b>4,02</b>	<b>4,85</b>	<b>5,50</b>	<b>6,05</b>	<b>6,35</b>	<b>6,49</b>	<b>6,54</b>
60°	<b>4,29</b>	<b>5,12</b>	<b>5,82</b>	<b>6,30</b>	<b>6,55</b>	<b>6,69</b>	<b>6,78</b>
75°	<b>4,50</b>	<b>5,35</b>	<b>6,08</b>	<b>6,48</b>	<b>6,72</b>	<b>6,89</b>	<b>7,12</b>
90°	<b>4,60</b>	<b>5,61</b>	<b>6,38</b>	<b>6,74</b>	<b>6,96</b>	<b>7,06</b>	<b>7,33</b>
110°	<b>4,66</b>	<b>5,68</b>	<b>6,43</b>	<b>6,80</b>	<b>7,09</b>	<b>7,38</b>	<b>7,87</b>
120°	<b>4,49</b>	<b>5,49</b>	<b>6,31</b>	<b>6,73</b>	<b>7,02</b>	<b>7,33</b>	<b>7,97</b>
135°	<b>4,04</b>	<b>5,03</b>	<b>5,88</b>	<b>6,48</b>	<b>6,81</b>	<b>7,09</b>	<b>7,70</b>
150°	<b>3,45</b>	<b>4,38</b>	<b>5,13</b>	<b>5,80</b>	<b>6,25</b>	<b>6,59</b>	<b>7,04</b>
Run VMG	<b>2,99</b>	<b>3,79</b>	<b>4,44</b>	<b>5,02</b>	<b>5,42</b>	<b>6,00</b>	<b>6,70</b>
Gybe Angles	<b>145,1°</b>	<b>145,9°</b>	<b>145,4°</b>	<b>145,9°</b>	<b>174,5°</b>	<b>175,5°</b>	<b>178,3°</b>