



World Leader in Rating Technology

## 2016 ORC Club Certificate

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



**Certificate**  
 Number **000199**  
 Issued On **15/3/2016**  
 ORC Ref **GRE01005168**  
 VPP Ver. **2016 1.01**  
 Valid until **28/2/2017**

**Crew Weight**  
 Declared **450kg**  
 Default\* **658kg**  
 Non Manual Pwr **No**

**Special Scoring**

	ToD	ToT
Double H.GPH	<b>705,1</b>	<b>0,8509</b>
Double H.OSN	<b>684,0</b>	<b>0,8771</b>
Non Spin GPH	<b>733,4</b>	<b>0,8181</b>
Non Spin OSN	<b>709,4</b>	<b>0,8458</b>
N/S Perf. Line	<b>-13,6</b>	<b>0,505</b>

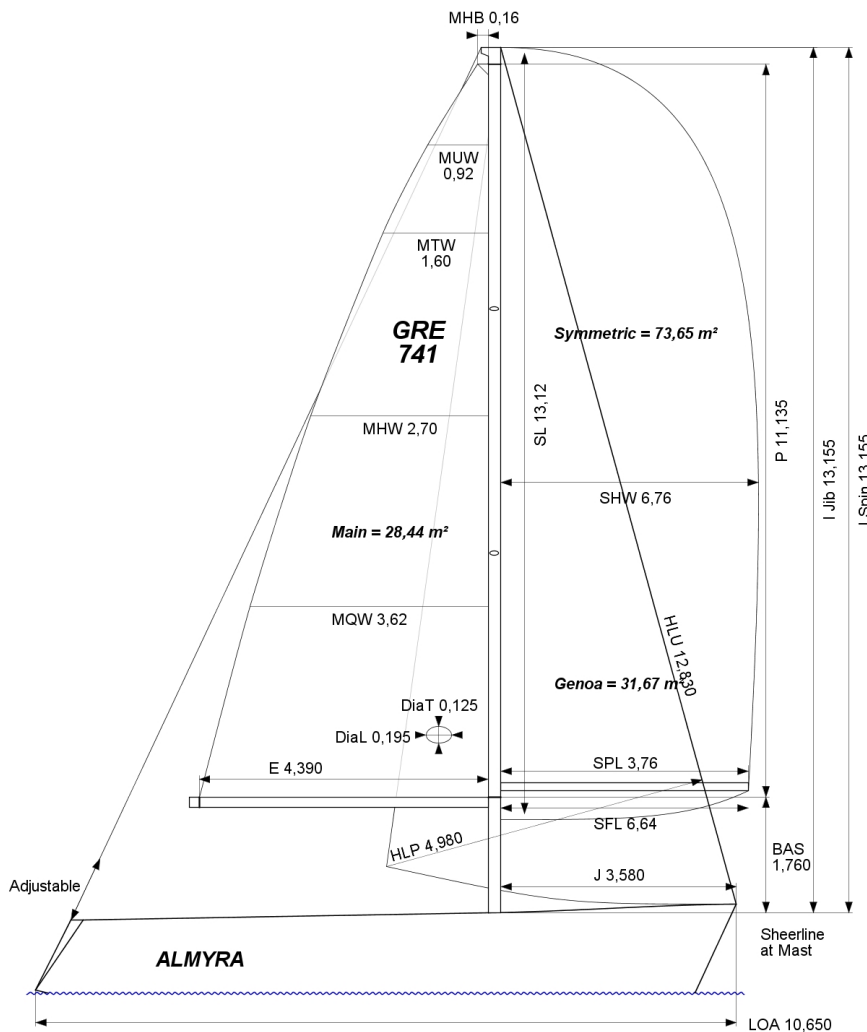
**Sails Limitations**  
 Headsails **5** Spinnakers **3**

**Spinnaker configuration**  
 Symmetric: **Yes** **73,65**  
 Asymmetric: **No**  
 Flying H/S: **No**  
 Spin. Pole: **Yes**

**Class Division Length**  
 CDL = **7,883**

**Stability**  
 LPS (Estimated): **108,7°**  
 Stability Index: **109,1**  
 OSR Category: **N/A**

**Owner**



BOAT		GPH		HULL		
Name	<b>ALMYRA</b>		<b>702,9</b>	Data File	<b>GR741.dxt</b> LOA <b>10,650m</b>	
Sail Nr	<b>GRE-741</b>			Offset File	<b>SUNOD362.OFF</b> MB <b>3,684m</b>	
				Displacement	<b>5,930kg</b> Draft <b>1,396m</b>	
<b>CLASS</b>				IMS Division	<b>Cruiser/Racer</b> Dynamic All. <b>0,416%</b>	
Class	<b>SUN ODYSSEY 36.2</b>			Fwd Accom.	<b>Yes</b> Construction <b>Solid</b>	
Designer	<b>JACQUES FAUROUX</b>			Fiber Rigging	<b>No</b> Aramid Core <b>No</b>	
Builder	<b>JEANNEAU</b>			Crew Arm Ex	Carbon Rudder <b>No</b>	
Series	<b>01/1996</b>				Light Stanchions <b>No</b>	
Age Date	<b>02/1998</b>			IMSL	<b>9,665m</b> VCGD <b>0,151m</b> Sink <b>20,25kg/mm</b>	
Age Allowance	<b>0,488%</b>			RL	<b>6,100m</b> VCGM <b>0,197m</b> WS <b>26,27m²</b>	
<b>COMMENTS</b>				LSM0	<b>9,685m</b> Displacement/Length ratio <b>6,5276</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>0,440</b>	<b>N/A</b>		
Type	<b>Folding 2 blades</b>	PBW	<b>0,109</b>			
		PIPA	<b>0,0053</b>			
<b>SCORING OPTIONS</b>						
	<b>OFFSHORE</b>			<b>INSHORE</b>		
	<b>COASTAL / LONG DISTANCE</b>			<b>WINDWARD / LEEWARD</b>		
Time On Distance	<b>681,5</b>			<b>769,3</b>		
Time On Time	<b>0,8804</b>			<b>0,8775</b>		
Performance Line	PLT	PLD		PLT	PLD	
	<b>0,551</b>	<b>4,0</b>		<b>0,656</b>	<b>134,6</b>	
Triple Number	Low	Medium	High	Low	Medium	High
	<b>0,8136</b>	<b>1,0935</b>	<b>1,2607</b>	<b>0,6220</b>	<b>0,8651</b>	<b>1,0349</b>

<b>BOAT</b>	
Name <b>ALMYRA</b>	Sail Nr <b>GRE-741</b>
File <b>GR741.dxt</b>	Data in <b>meters/kilograms</b>

<b>RIG</b>	
Forestay Tension <b>Aft</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>No</b>
Fiber Rigging <b>No</b>	Main Furler <b>No</b>
Lenticular Rigging <b>No</b>	Without Backstay <b>No</b>
Articulated Bowsprit <b>No</b>	
P <b>11,135</b>	E <b>4,390</b> MDT1 <b>0,125</b> MW
IG <b>13,155</b>	J <b>3,580</b> MDL1 <b>0,195</b> GO
ISP <b>13,155</b>	SFJ <b>0,000</b> MDT2 <b>0,125</b> BD
BAS <b>1,760</b>	SPL <b>3,760</b> MDL2 <b>0,195</b> MWT
FSP <b>-3,000</b>	TPS TL <b>0,000</b> MCG

<b>INCLINING TEST AND FREEBOARDS</b>			
Inclining Test <b>Club Estimated VCG</b>			
Flotation date <b>01/01/2013</b>		SG	
FFM	FF <b>1,336</b>	SFFP	<b>0,453</b>
FAM	FA <b>1,107</b>	SAFP	<b>9,930</b>
LCF from stem on CL / on sheer		<b>6,081 / 6,350</b>	
Maximum beam station from stem		<b>6,890</b>	
RM Measured		<b>136,2kg·m</b>	
RM Default		<b>132,2kg·m</b>	
Limit of positive stability / Stab.Index		<b>108,7° / 109,1</b>	
Freeboard at mast at 3,580		<b>1,218</b>	

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

<b>PROPELLER</b>			
Installation	<b>Shaft exposed</b>	PRD	<b>0,440</b>
Type	<b>Folding 2 blades</b>	PBW	<b>0,109</b>
Twin Screw	<b>No</b>	PIPA	<b>0,0053</b>
PSA	<b>18,800</b>	PHL	<b>0,122</b> ST3 <b>0,092</b> ESL <b>0,858</b>
PSD	<b>0,025</b>	ST1	<b>0,002</b> ST4 <b>0,046</b>
PHD	<b>0,080</b>	ST2	<b>0,075</b> ST5 <b>0,220</b>

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

<b>MOVEABLE BALLAST</b>	
N/A	

<b>CENTERBOARD</b>	
N/A	



World Leader in Rating Technology

**2016**

Measurements Datasheet

**Certificate**

Number **000199**  
 ORC Ref **GRE01005168**  
 Issued On **15/3/2016**  
 VPP Ver. **2016 1.01**  
 Valid until **28/2/2017**



<b>SAILS (Maximum Areas)</b>									
Mainsail	MHB	MUW	MTW	MHW	MQW	Area	Area (r)	Formula	
	0,160	0,92	1,60	2,70	3,62	28,44	29,08	P/8 · (E + 2·MQW + 2·MHW + 1.5·MTW + MUW + 0.5·MHB)	
Symmetric	SLU	SLE	SL	SHW	SFL	73,65		SL · (SFL + 4·SHW) / 6	
	13,12	13,12	13,12	6,76	6,64				
Asymmetric Not Available									

<b>HEADSAILS</b>												
Area = 0.1125·HLU · (1.445·HLP + 2·HQW + 2·HHW + 1.5·HTW + HUW + 0.5·HHB)												
HHB	HUW	HTW	HHW	HQW	HLP	HLU	Area	Btn	Fly	Meas.Date	Material	Comment
0,07	0,61	1,20	2,44	3,71	4,98	12,83	31,67			10/07/2015	Pentex	
0,02	0,36	0,72	1,54	2,48	3,52	12,86	21,09			23/09/2011	Dacron	



World Leader in Rating Technology

# 2016

## ORC Club Certificate Appendix

<b>BOAT</b>	
Name	<b>ALMYRA</b>
Sail Nr	<b>GRE-741</b>
Certificate Number	<b>000199</b>
Issued On	<b>15/3/2016</b>

<b>TIME ALLOWANCES</b>							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	<b>1301,0</b>	<b>1064,4</b>	<b>939,4</b>	<b>855,0</b>	<b>803,0</b>	<b>780,1</b>	<b>772,3</b>
52°	<b>820,9</b>	<b>681,5</b>	<b>602,8</b>	<b>551,0</b>	<b>526,1</b>	<b>516,8</b>	<b>512,5</b>
60°	<b>757,3</b>	<b>635,4</b>	<b>562,9</b>	<b>524,6</b>	<b>506,0</b>	<b>497,0</b>	<b>492,2</b>
75°	<b>706,6</b>	<b>596,2</b>	<b>534,1</b>	<b>506,3</b>	<b>489,8</b>	<b>477,3</b>	<b>463,0</b>
90°	<b>706,5</b>	<b>596,2</b>	<b>530,0</b>	<b>499,3</b>	<b>485,9</b>	<b>474,6</b>	<b>448,0</b>
110°	<b>717,7</b>	<b>589,5</b>	<b>522,6</b>	<b>493,8</b>	<b>472,7</b>	<b>451,9</b>	<b>428,5</b>
120°	<b>739,3</b>	<b>605,7</b>	<b>531,0</b>	<b>498,6</b>	<b>477,0</b>	<b>455,8</b>	<b>415,6</b>
135°	<b>815,6</b>	<b>659,4</b>	<b>565,7</b>	<b>516,7</b>	<b>491,7</b>	<b>471,4</b>	<b>430,2</b>
150°	<b>959,5</b>	<b>751,5</b>	<b>635,3</b>	<b>558,3</b>	<b>516,0</b>	<b>492,6</b>	<b>454,1</b>
Run VMG	<b>1107,9</b>	<b>867,7</b>	<b>731,7</b>	<b>640,0</b>	<b>573,4</b>	<b>527,1</b>	<b>481,4</b>

<b>Selected Courses</b>							
Windward / Leeward	<b>1204,5</b>	<b>966,0</b>	<b>835,6</b>	<b>747,5</b>	<b>688,2</b>	<b>653,6</b>	<b>626,9</b>
Circular Random	<b>989,0</b>	<b>790,2</b>	<b>680,9</b>	<b>615,5</b>	<b>574,5</b>	<b>548,1</b>	<b>517,9</b>
Ocean for PCS	<b>1219,5</b>	<b>932,1</b>	<b>767,5</b>	<b>665,2</b>	<b>597,9</b>	<b>551,2</b>	<b>488,1</b>
Non Spinnaker	<b>1044,0</b>	<b>829,0</b>	<b>709,7</b>	<b>637,7</b>	<b>592,3</b>	<b>562,9</b>	<b>528,9</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>46,8°</b>	<b>45,4°</b>	<b>44,9°</b>	<b>45,3°</b>	<b>44,6°</b>	<b>43,7°</b>	<b>43,6°</b>
Beat VMG	<b>2,77</b>	<b>3,38</b>	<b>3,83</b>	<b>4,21</b>	<b>4,48</b>	<b>4,61</b>	<b>4,66</b>
52°	<b>4,39</b>	<b>5,28</b>	<b>5,97</b>	<b>6,53</b>	<b>6,84</b>	<b>6,97</b>	<b>7,02</b>
60°	<b>4,75</b>	<b>5,67</b>	<b>6,40</b>	<b>6,86</b>	<b>7,12</b>	<b>7,24</b>	<b>7,31</b>
75°	<b>5,09</b>	<b>6,04</b>	<b>6,74</b>	<b>7,11</b>	<b>7,35</b>	<b>7,54</b>	<b>7,78</b>
90°	<b>5,10</b>	<b>6,04</b>	<b>6,79</b>	<b>7,21</b>	<b>7,41</b>	<b>7,58</b>	<b>8,04</b>
110°	<b>5,02</b>	<b>6,11</b>	<b>6,89</b>	<b>7,29</b>	<b>7,62</b>	<b>7,97</b>	<b>8,40</b>
120°	<b>4,87</b>	<b>5,94</b>	<b>6,78</b>	<b>7,22</b>	<b>7,55</b>	<b>7,90</b>	<b>8,66</b>
135°	<b>4,41</b>	<b>5,46</b>	<b>6,36</b>	<b>6,97</b>	<b>7,32</b>	<b>7,64</b>	<b>8,37</b>
150°	<b>3,75</b>	<b>4,79</b>	<b>5,67</b>	<b>6,45</b>	<b>6,98</b>	<b>7,31</b>	<b>7,93</b>
Run VMG	<b>3,25</b>	<b>4,15</b>	<b>4,92</b>	<b>5,62</b>	<b>6,28</b>	<b>6,83</b>	<b>7,48</b>
Gybe Angles	<b>146,8°</b>	<b>150,6°</b>	<b>153,2°</b>	<b>155,9°</b>	<b>172,3°</b>	<b>180,0°</b>	<b>180,0°</b>