

<b>BOAT</b>
Name <b>LUCIA</b> Sail Nr <b>PER 612</b>

<b>GPH</b>
<b>623.5</b>

<b>HULL</b>					
Length Overall	<b>10.640 m</b>				
Maximum Beam	<b>3.458 m</b>				
Displacement	<b>5,613 kg</b>				
Draft	<b>2.225 m</b>				
IMS Reg. Division	<b>Cruiser/Racer</b>				
Dynamic Allowance	<b>0.149%</b>				
Fwd Accommodation	<b>Yes</b>				
Hull Construction	<b>Solid</b>				
Carbon Rudder	<b>Yes</b>				
Trim Tab	<b>No</b>				
IMS L	<b>9.653</b>	VCGD	<b>0.220</b>	VCGM	<b>0.207</b>
Sink	<b>19.24 kg/mm</b>	Wetted Area	<b>25.02 m<sup>2</sup></b>		



**2010**  
ORC International  
Certificate

<b>GENERAL</b>
Class <b>First 36.7</b>
Designer <b>Farr</b>
Builder <b>Beneteau</b>
Series <b>01/2001</b>
Age <b>01/2001</b>
Age Allowance <b>0.585%</b>
Offset File <b>B367-NR.off - 06/12/2007 09:00:04 a.m.</b>
Measurement by <b>G Liza / L Yarlequ - 16/06/2010</b>

<b>SCORING OPTIONS</b>						
	<b>OFFSHORE</b>			<b>INSHORE</b>		
	COASTAL / LONG DISTANCE			WINDWARD / LEEWARD		
Time On Distance	<b>623.5</b>			<b>695.1</b>		
Time On Time	<b>0.9623</b>			<b>0.9710</b>		
Performance Line	PLT	PLD		PLT	PLD	
	<b>0.864</b>	<b>116.3</b>		<b>1.052</b>	<b>323.9</b>	
Triple Number	Low	Medium	High	Low	Medium	High
	<b>0.9450</b>	<b>1.2214</b>	<b>1.3703</b>	<b>0.7215</b>	<b>0.9875</b>	<b>1.1396</b>

**Rating Office**

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Oceánicos del Peru

<b>TIME ALLOWANCES</b>							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	<b>1041.3</b>	<b>850.6</b>	<b>757.1</b>	<b>717.1</b>	<b>693.3</b>	<b>679.0</b>	<b>684.0</b>
52°	<b>675.9</b>	<b>567.6</b>	<b>521.4</b>	<b>501.5</b>	<b>490.9</b>	<b>484.3</b>	<b>481.0</b>
60°	<b>630.7</b>	<b>546.5</b>	<b>505.1</b>	<b>483.6</b>	<b>473.9</b>	<b>467.6</b>	<b>462.6</b>
75°	<b>597.8</b>	<b>531.1</b>	<b>489.7</b>	<b>468.6</b>	<b>451.2</b>	<b>444.3</b>	<b>436.8</b>
90°	<b>588.4</b>	<b>515.7</b>	<b>477.0</b>	<b>455.3</b>	<b>446.4</b>	<b>435.5</b>	<b>416.8</b>
110°	<b>604.2</b>	<b>529.0</b>	<b>489.3</b>	<b>459.9</b>	<b>434.8</b>	<b>416.3</b>	<b>400.3</b>
120°	<b>647.4</b>	<b>548.3</b>	<b>502.3</b>	<b>471.7</b>	<b>446.0</b>	<b>422.8</b>	<b>384.2</b>
135°	<b>749.1</b>	<b>599.4</b>	<b>534.5</b>	<b>496.2</b>	<b>468.7</b>	<b>445.7</b>	<b>404.0</b>
150°	<b>895.9</b>	<b>706.7</b>	<b>591.2</b>	<b>534.3</b>	<b>498.0</b>	<b>471.4</b>	<b>429.5</b>
Run VMG	<b>1034.5</b>	<b>816.1</b>	<b>681.3</b>	<b>599.4</b>	<b>546.4</b>	<b>509.4</b>	<b>460.2</b>

<b>Certificate</b>	
Number	<b>PER105</b>
ORC Ref	<b>PER00000358</b>
Issued On	<b>11/08/2010</b>
VPP Ver.	<b>2010 1.11</b>
Valid until	<b>31/03/2011</b>

<b>Selected Courses</b>							
Windward / Leeward	<b>1057.1</b>	<b>846.3</b>	<b>731.4</b>	<b>666.8</b>	<b>627.2</b>	<b>601.1</b>	<b>578.8</b>
Circular Random	<b>857.8</b>	<b>693.2</b>	<b>605.0</b>	<b>553.8</b>	<b>522.4</b>	<b>502.2</b>	<b>478.2</b>
Ocean for PCS	<b>916.4</b>	<b>724.8</b>	<b>618.4</b>	<b>553.8</b>	<b>511.6</b>	<b>481.7</b>	<b>439.7</b>
Non Spinnaker	<b>918.4</b>	<b>735.0</b>	<b>635.3</b>	<b>576.7</b>	<b>540.5</b>	<b>517.0</b>	<b>489.7</b>

<b>Crew Weight</b>	
Declared	<b>650 kg</b>
Default*	<b>672 kg</b>
Non Manual Power	<b>No</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>43.4°</b>	<b>43.3°</b>	<b>39.8°</b>	<b>38.0°</b>	<b>37.0°</b>	<b>36.9°</b>	<b>37.7°</b>
Beat VMG	<b>3.46</b>	<b>4.23</b>	<b>4.76</b>	<b>5.02</b>	<b>5.19</b>	<b>5.30</b>	<b>5.26</b>
52°	<b>5.33</b>	<b>6.34</b>	<b>6.90</b>	<b>7.18</b>	<b>7.33</b>	<b>7.43</b>	<b>7.49</b>
60°	<b>5.71</b>	<b>6.59</b>	<b>7.13</b>	<b>7.44</b>	<b>7.60</b>	<b>7.70</b>	<b>7.78</b>
75°	<b>6.02</b>	<b>6.78</b>	<b>7.35</b>	<b>7.68</b>	<b>7.98</b>	<b>8.10</b>	<b>8.24</b>
90°	<b>6.12</b>	<b>6.98</b>	<b>7.55</b>	<b>7.91</b>	<b>8.06</b>	<b>8.27</b>	<b>8.64</b>
110°	<b>5.96</b>	<b>6.81</b>	<b>7.36</b>	<b>7.83</b>	<b>8.28</b>	<b>8.65</b>	<b>8.99</b>
120°	<b>5.56</b>	<b>6.57</b>	<b>7.17</b>	<b>7.63</b>	<b>8.07</b>	<b>8.51</b>	<b>9.37</b>
135°	<b>4.81</b>	<b>6.01</b>	<b>6.74</b>	<b>7.26</b>	<b>7.68</b>	<b>8.08</b>	<b>8.91</b>
150°	<b>4.02</b>	<b>5.09</b>	<b>6.09</b>	<b>6.74</b>	<b>7.23</b>	<b>7.64</b>	<b>8.38</b>
Run VMG	<b>3.48</b>	<b>4.41</b>	<b>5.28</b>	<b>6.01</b>	<b>6.59</b>	<b>7.07</b>	<b>7.82</b>
Gybe Angles	<b>142.7°</b>	<b>147.1°</b>	<b>152.4°</b>	<b>164.6°</b>	<b>170.0°</b>	<b>173.3°</b>	<b>174.7°</b>

<b>Special Scoring</b>		
	ToD	ToT
Double Handed	<b>626.6</b>	<b>0.9575</b>
Non Spinnaker	<b>655.8</b>	<b>0.9149</b>
N/S Perf. Line	<b>80.7</b>	<b>0.769</b>

<b>Sails Limitations</b>		
Genoas	Jibs	Spinnakers
<b>3</b>	<b>2</b>	<b>3</b>
Spinnaker configuration <b>Symmetric</b>		

<b>Storm Sails Areas</b>	
Heavy Weather Jib	<b>27.25</b>
Storm Jib (JL=9.23)	<b>10.09</b>
Storm Trysail	<b>11.51</b>

**Owner**

Alfonso Bringas  
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I certify that I understand my responsibilities under ORC Rules and Regulations

Signature

<b>BOAT</b>	
Name <b>LUCIA</b> File <b>PER612.dxt</b>	Sail Nr <b>PER 612</b> Data in <b>meters/kilograms</b>

<b>RIG</b>	
Forestay Tension <b>Aft</b>	Spreaders <b>2</b>
Inner Forestay <b>None Fitted</b>	Runners <b>0</b>
Carbon Mast <b>No</b>	Jumpers <b>None</b>
Taper Hollows <b>No</b>	Jib Furler <b>No</b>
Fiber Rigging <b>No</b>	w/o Backstay <b>No</b>
P <b>13.850</b>	E <b>4.750</b> MDT1 <b>0.112</b> TL <b>1.070</b>
IG <b>14.140</b>	J <b>3.990</b> MDL1 <b>0.201</b> MWT
ISP <b>14.190</b>	SFJ <b>0.000</b> MDT2 <b>0.104</b> MCG
SPS <b>3.620</b>	SPL <b>3.990</b> MDL2 <b>0.170</b> CPW <b>2.290</b>
BAS <b>1.560</b>	TPS <b>0.058</b> MW <b>0.201</b> BD <b>0.160</b>
BAL <b>0.250</b>	FSP <b>0.058</b> GO <b>0.220</b> BWT

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

<b>COMMENTS</b>	
Mayor y genoa nueva a 30set09 Cambio timon. Flotacion 3xi09 ex POPYRUS	

<b>INCLINING TEST AND FREEBOARDS</b>			
Inclining Test <b>Current Inclining</b>			
Flotation date <b>16/06/2010</b>		SG <b>1.0260</b>	
FFM <b>1.338</b>	FF <b>1.338</b>	SFFP <b>0.367</b>	
FAM <b>1.061</b>	FA <b>1.061</b>	SAFP <b>10.162</b>	
W1 <b>80.000</b>	PD1 <b>575.5</b>	WD <b>11.260</b>	
W2 <b>80.000</b>	PD2 <b>575.5</b>	GSA <b>1.0</b>	
W3 <b>80.000</b>	PD3 <b>575.5</b>	RSA <b>1.0</b>	
W4 <b>80.000</b>	PD4 <b>575.5</b>	PLM <b>9000.0</b>	
Maximum beam station from stern			<b>6.980</b>
RM Measured / Default			<b>123.3 / 136.9</b>
Limit of positive stability			<b>108.9°</b>
Stability Index			<b>110.8</b>
Freeboard at mast at 3.990			<b>1.190</b>

<b>PROPELLER</b>			
Installation <b>Strut</b>	PRD <b>0.410</b>		
Type <b>Folding</b>	PBW <b>0.112</b>		
Twin Screw <b>No</b>	PIPA <b>0.0029</b>		
ST1 <b>0.045</b>	ST3 <b>0.170</b>	ST5 <b>0.255</b>	
ST2 <b>0.170</b>	ST4 <b>0.095</b>	EDL <b>2.500</b>	


<b>WATER BALLAST</b>	
N/A	

<b>CENTERBOARD</b>	
N/A	

<b>SAILS (Maximum Areas)</b>									
Mainsail	HB	MGT	MGU	MGM	MGL	MSW	Area	Area (r)	Formula
	0.175	0.99	1.79	3.07	4.00	20.00	39.22	39.98	$P/8 \cdot (E + 2 \cdot MGL + 2 \cdot MGM + 1.5 \cdot MGU + MGT + 0.5 \cdot HB)$
Jib/Genoa	JH	JGT	JGU	JGM	JGL	JL	LPG		
	0.08	0.72	1.39	2.75	4.14	13.86	5.58	38.49	$0.1125 \cdot JL \cdot (1.445 \cdot LPG + 2 \cdot JGL + 2 \cdot JGM + 1.5 \cdot JGU + JGT + 0.5 \cdot JH)$
Symmetric	SL	SMG	SF						
	13.89	7.40	7.25				85.31		$SL \cdot (SF + 4 \cdot SMG) / 6$

<b>MEASUREMENT INVENTORY</b>			
Measurer Date Comment			
Id	Item	Weight	Distanc Description
OR	Anchor	41.0	0.80 *Legacy Anchor*
Id	Item	Weight	Description


<b>MEASUREMENT INVENTORY</b>			
Id	Item	Weight	Distanc Description



**ORC**  
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**2010**  
IMS Measurement  
Certificate

**Certificate**  
Number **PER105**  
ORC Ref **PER00000358**  
Issued On **11/08/2010**  
VPP Ver. **2010 1.11**  
Valid until **31/03/2011**

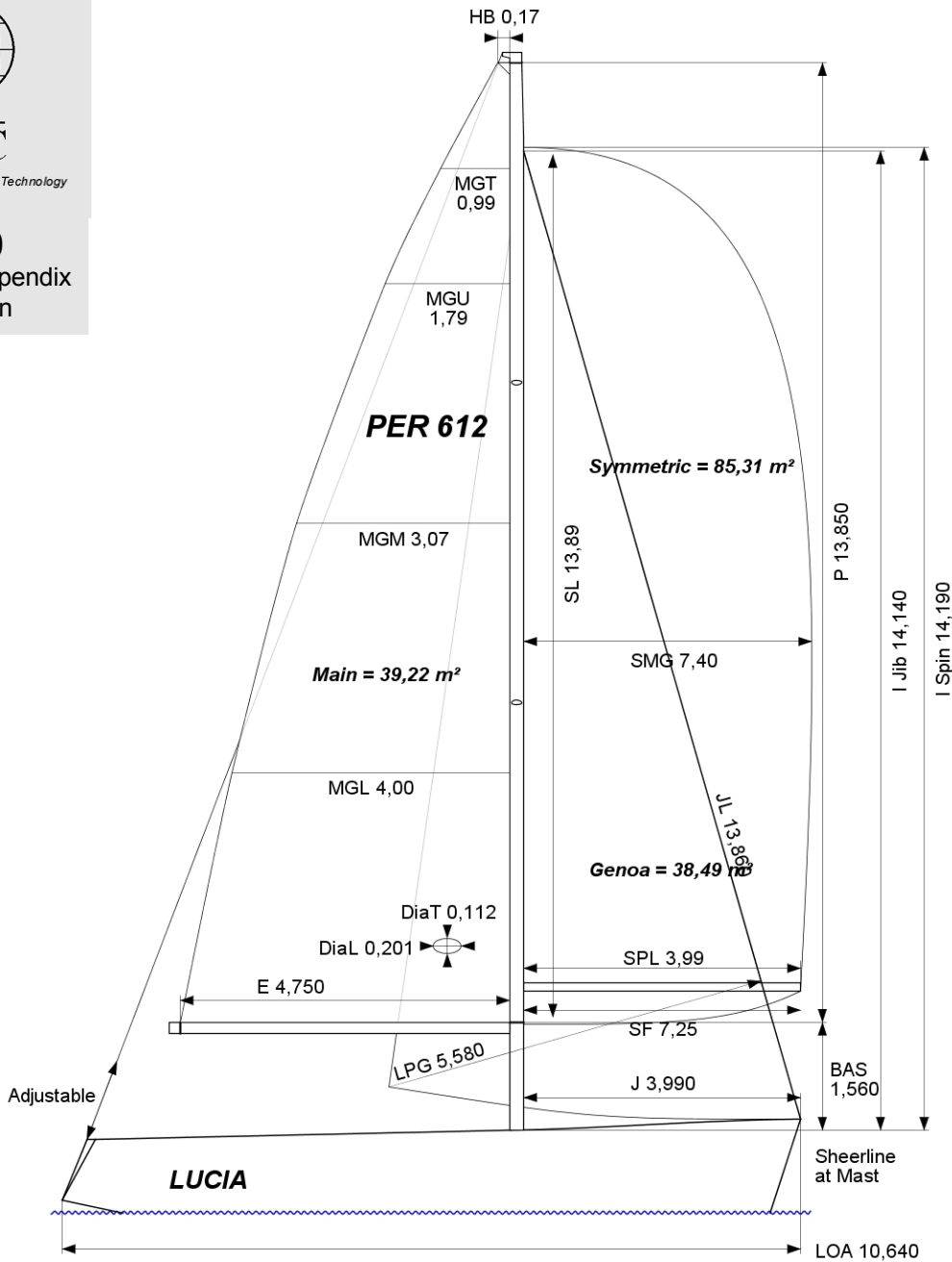


**AVOP**



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2010  
Certificate Appendix  
Sail Plan



**SAILS INVENTORY**

**MANSAIL**

Id	HB	MGT	MGU	MGM	MGL	MSW	Area	Measurer	Meas.Date	Manufacture	Material	Comment
MAY1	0.175	0.99	1.79	3.07	4.00	20.00	39.22	G Liza / L yarle	14/06/2010	North	Kevlar	

**JIBS / GENOAS**

Id	JH	JGT	JGU	JGM	JGL	LPG	JL	Overlp	Area	Measurer	Meas.Date	Manufacture	Material	Comment
G1	0.08	0.72	1.39	2.75	4.14	5.58	13.86	140%	38.49	G Liza / L	14/06/2010	North	Kevlar	

**SYMMETRIC SPINNAKERS**

Id	SL	SMG	SF	Area	Measurer	Meas.Date	Manufacture	Material	Comment
S075	13.89	7.40	7.25	85.31	G Liza / L Yarle	14/06/2010	North	Dacron	

**ASYMMETRIC SPINNAKERS**

Id	SLU	SLE	ASL	AMG	ASF	Area	Kind	Measurer	Meas.Date	Manufacture	Material	Comment
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