

<b>BOAT</b>
Name <b>GIRALDILLO</b> Sail Nr <b>PER 33917</b>

<b>GPH</b>
<b>661.1</b>

<b>HULL</b>					
Length Overall	<b>10.932 m</b>				
Maximum Beam	<b>3.724 m</b>				
Displacement	<b>6,929 kg</b>				
Draft	<b>1.838 m</b>				
IMS Reg. Division	<b>Cruiser/Racer</b>				
Dynamic Allowance	<b>0.930%</b>				
Fwd Accommodation	<b>Yes</b>				
Hull Construction	<b>Solid</b>				
Carbon Rudder	<b>No</b>				
Trim Tab	<b>No</b>				
IMS L	<b>9.782</b>	VCGD	<b>0.203</b>	VCGM	<b>0.025</b>
Sink	<b>20.07 kg/mm</b>	Wetted Area	<b>27.27 m<sup>2</sup></b>		



**2010**  
ORC International  
Certificate

<b>GENERAL</b>
Class <b>Voilier-OL-1B</b>
Designer
Builder <b>Kirie</b>
Series <b>08/1978</b>
Age <b>01/1984</b>
Age Allowance <b>0.975%</b>
Offset File <b>girald10.off - 22/06/2010 08:36:00 a.m.</b>
Measurement by <b>G Liza / L Yarlequ - 03/02/2010</b>

<b>SCORING OPTIONS</b>						
	<b>OFFSHORE</b>			<b>INSHORE</b>		
	COASTAL / LONG DISTANCE			WINDWARD / LEEWARD		
Time On Distance	<b>661.1</b>			<b>744.9</b>		
Time On Time	<b>0.9076</b>			<b>0.9061</b>		
Performance Line	PLT	PLD		PLT	PLD	
	<b>0.817</b>	<b>118.1</b>		<b>0.964</b>	<b>312.8</b>	
Triple Number	Low	Medium	High	Low	Medium	High
	<b>0.8933</b>	<b>1.1520</b>	<b>1.2878</b>	<b>0.6762</b>	<b>0.9262</b>	<b>1.0707</b>

<b>Rating Office</b>
Roberto Peschiera peschiera56@gmail.com Asociación de Veleros Oceánicos del Peru
 <b>AVOP</b>

<b>TIME ALLOWANCES</b>							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	<b>1152.8</b>	<b>945.3</b>	<b>840.6</b>	<b>789.2</b>	<b>759.2</b>	<b>740.6</b>	<b>737.6</b>
52°	<b>728.9</b>	<b>603.3</b>	<b>558.6</b>	<b>537.4</b>	<b>524.8</b>	<b>516.7</b>	<b>510.0</b>
60°	<b>670.5</b>	<b>572.2</b>	<b>536.1</b>	<b>515.5</b>	<b>504.5</b>	<b>497.1</b>	<b>489.2</b>
75°	<b>623.3</b>	<b>550.3</b>	<b>517.7</b>	<b>495.8</b>	<b>480.6</b>	<b>471.7</b>	<b>462.2</b>
90°	<b>614.4</b>	<b>537.9</b>	<b>503.8</b>	<b>484.5</b>	<b>474.9</b>	<b>464.8</b>	<b>445.8</b>
110°	<b>629.2</b>	<b>546.4</b>	<b>508.7</b>	<b>482.2</b>	<b>461.5</b>	<b>447.0</b>	<b>432.7</b>
120°	<b>671.1</b>	<b>562.4</b>	<b>519.2</b>	<b>489.9</b>	<b>466.3</b>	<b>446.8</b>	<b>419.7</b>
135°	<b>769.8</b>	<b>612.8</b>	<b>547.1</b>	<b>511.6</b>	<b>485.4</b>	<b>463.2</b>	<b>426.0</b>
150°	<b>918.8</b>	<b>722.1</b>	<b>603.2</b>	<b>547.0</b>	<b>513.4</b>	<b>488.1</b>	<b>447.5</b>
Run VMG	<b>1060.9</b>	<b>833.8</b>	<b>696.1</b>	<b>612.4</b>	<b>560.5</b>	<b>525.8</b>	<b>478.5</b>

<b>Certificate</b>
Number <b>PERI02</b>
ORC Ref <b>PER00000348</b>
Issued On <b>03/08/2010</b>
VPP Ver. <b>2010 1.11</b>
Valid until <b>31/03/2011</b>

<b>Selected Courses</b>							
Windward / Leeward	<b>1127.5</b>	<b>903.4</b>	<b>780.7</b>	<b>710.3</b>	<b>667.7</b>	<b>640.5</b>	<b>614.7</b>
Circular Random	<b>908.9</b>	<b>734.4</b>	<b>641.4</b>	<b>587.7</b>	<b>555.0</b>	<b>534.0</b>	<b>509.2</b>
Ocean for PCS	<b>972.7</b>	<b>769.0</b>	<b>656.1</b>	<b>587.8</b>	<b>543.3</b>	<b>511.9</b>	<b>467.7</b>
Non Spinnaker	<b>975.6</b>	<b>780.0</b>	<b>673.9</b>	<b>611.6</b>	<b>573.3</b>	<b>548.6</b>	<b>519.8</b>

<b>Crew Weight</b>	
Declared	<b>686 kg</b>
Default*	<b>686 kg</b>
Non Manual Power	<b>No</b>

<b>Special Scoring</b>		
	ToD	ToT
Double Handed	<b>664.5</b>	<b>0.9030</b>
Non Spinnaker	<b>695.8</b>	<b>0.8623</b>
N/S Perf. Line	<b>78.6</b>	<b>0.721</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>46.2°</b>	<b>46.0°</b>	<b>43.3°</b>	<b>40.9°</b>	<b>39.4°</b>	<b>38.6°</b>	<b>39.2°</b>
Beat VMG	<b>3.12</b>	<b>3.81</b>	<b>4.28</b>	<b>4.56</b>	<b>4.74</b>	<b>4.86</b>	<b>4.88</b>
52°	<b>4.94</b>	<b>5.97</b>	<b>6.44</b>	<b>6.70</b>	<b>6.86</b>	<b>6.97</b>	<b>7.06</b>
60°	<b>5.37</b>	<b>6.29</b>	<b>6.72</b>	<b>6.98</b>	<b>7.14</b>	<b>7.24</b>	<b>7.36</b>
75°	<b>5.78</b>	<b>6.54</b>	<b>6.95</b>	<b>7.26</b>	<b>7.49</b>	<b>7.63</b>	<b>7.79</b>
90°	<b>5.86</b>	<b>6.69</b>	<b>7.15</b>	<b>7.43</b>	<b>7.58</b>	<b>7.75</b>	<b>8.08</b>
110°	<b>5.72</b>	<b>6.59</b>	<b>7.08</b>	<b>7.47</b>	<b>7.80</b>	<b>8.05</b>	<b>8.32</b>
120°	<b>5.36</b>	<b>6.40</b>	<b>6.93</b>	<b>7.35</b>	<b>7.72</b>	<b>8.06</b>	<b>8.58</b>
135°	<b>4.68</b>	<b>5.87</b>	<b>6.58</b>	<b>7.04</b>	<b>7.42</b>	<b>7.77</b>	<b>8.45</b>
150°	<b>3.92</b>	<b>4.99</b>	<b>5.97</b>	<b>6.58</b>	<b>7.01</b>	<b>7.38</b>	<b>8.05</b>
Run VMG	<b>3.39</b>	<b>4.32</b>	<b>5.17</b>	<b>5.88</b>	<b>6.42</b>	<b>6.85</b>	<b>7.52</b>
Gybe Angles	<b>143.2°</b>	<b>146.5°</b>	<b>151.3°</b>	<b>163.2°</b>	<b>170.7°</b>	<b>173.4°</b>	<b>174.7°</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>30.12</b>
Storm Jib (JL=9.71)	<b>11.16</b>
Storm Trysail	<b>9.20</b>

<b>Owner</b>
Jose Abadia Av. del Pinar 323, Chacarilla Estanz Lima, Peru
I certify that I understand my responsibilities under ORC Rules and Regulations
Signature

<b>BOAT</b>	
Name <b>GIRALDILLO</b> File <b>PER33917.dxt</b>	Sail Nr <b>PER 33917</b> Data in <b>meters/kilograms</b>

<b>RIG</b>			
Forestay Tension <b>Aft</b>	Spreaders <b>2</b>		
Inner Forestay <b>Adjustable</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>13.094</b>	E <b>4.017</b>	MDT1 <b>0.133</b>	TL <b>0.000</b>
IG <b>14.865</b>	J <b>4.495</b>	MDL1 <b>0.198</b>	MWT
ISP <b>14.896</b>	SFJ <b>0.000</b>	MDT2 <b>0.130</b>	MCG
SPS <b>2.920</b>	SPL <b>4.495</b>	MDL2 <b>0.198</b>	CPW <b>2.360</b>
BAS <b>1.603</b>	TPS	MW <b>0.198</b>	BD <b>0.139</b>
BAL <b>0.208</b>	FSP <b>0.058</b>	GO <b>0.220</b>	BWT

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

<b>COMMENTS</b>	
Ex Matahari.	

<b>INCLINING TEST AND FREEBOARDS</b>			
Inclining Test <b>Current Inclining</b>			
Flotation date <b>03/02/2010</b>		SG <b>1.0260</b>	
FFM <b>1.227</b>	FF <b>1.227</b>	SFFP <b>0.350</b>	
FAM <b>0.927</b>	FA <b>0.927</b>	SAFP <b>10.098</b>	
W1 <b>60.000</b>	PD1 <b>365.0</b>	WD <b>11.450</b>	
W2 <b>60.000</b>	PD2 <b>368.2</b>	GSA <b>1.0</b>	
W3 <b>60.000</b>	PD3 <b>362.4</b>	RSA <b>1.0</b>	
W4 <b>60.000</b>	PD4 <b>367.1</b>	PLM <b>9000.0</b>	
Maximum beam station from stern			<b>6.457</b>
RM Measured / Default			<b>148.0 / 145.1</b>
Limit of positive stability			<b>111.3°</b>
Stability Index			<b>113.7</b>
Freeboard at mast at 4.495			<b>1.010</b>

<b>PROPELLER</b>			
Installation <b>Shaft</b>	PRD <b>0.437</b>		
Type <b>Feathering 2 blades</b>	PBW <b>0.136</b>		
Twin Screw <b>No</b>	PIPA <b>0.0056</b>		
PSA <b>25.000</b>	PHL <b>0.105</b>	ST3 <b>0.105</b>	ESL <b>0.830</b>
PSD <b>0.025</b>	ST1 <b>0.025</b>	ST4 <b>0.060</b>	
PHD <b>0.065</b>	ST2 <b>0.095</b>	ST5 <b>0.200</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	
	0.145	0.85	1.48	2.54	3.35	17.40	31.00	31.45	P/8 · (E + 2·MGL + 2·MGM + 1.5·MGU + MGT + 0.5·HB)	
Jib/Genoa	JH	JGT	JGU	JGM	JGL	JL	LPG			
	0.00	0.83	1.66	3.31	4.97	15.60	6.62	51.64	0.1125·JL·(1.445·LPG+2·JGL+2·JGM+1.5·JGU+JGT+0.5·JH)	
Symmetric	SL	SMG	SF							
	15.20	8.16	8.09				103.19		SL · (SF + 4·SMG) / 6	

<b>MEASUREMENT INVENTORY</b>			
Measurer Date Comment			
Id	Item	Weight	Distanc Description
OR	Anchor	18.0	1.00 *Legacy Anchor*
Id	Item	Weight	Description


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



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**2010**  
IMS Measurement  
Certificate

**Certificate**  
Number **PERI02**  
ORC Ref **PER00000348**  
Issued On **03/08/2010**  
VPP Ver. **2010 1.11**  
Valid until **31/03/2011**

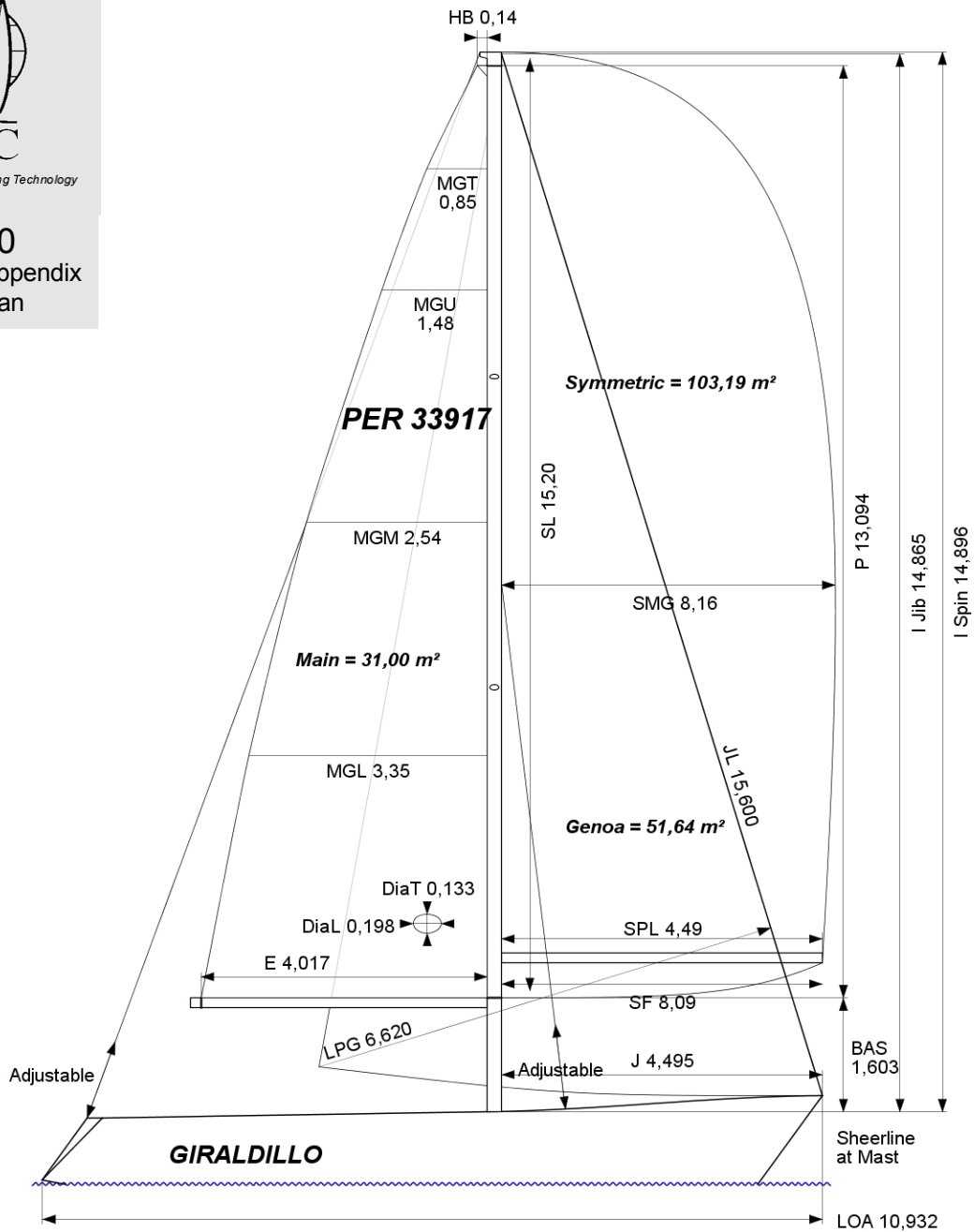


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Sail Plan



**SAILS INVENTORY**

**MANSAIL**

Id	HB	MGT	MGU	MGM	MGL	MSW	Area	Measurer	Meas.Date	Manufacture	Material	Comment
M1	0.145	0.85	1.48	2.54	3.35	17.40	31.00	G LIZA	24/06/2010	DOYLE	Kevlar	rectificar medición

**JIBS / GENOAS**

Id	JH	JGT	JGU	JGM	JGL	LPG	JL	Overlp	Area	Measurer	Meas.Date	Manufacture	Material	Comment
G1	0.08	0.81	1.59	3.20	4.84	6.50	15.02	145%	48.51	G LIZA	22/07/2010	DOYLE	Kevlar	nueva genoa
ORC						6.62	0.00	147%	51.64					* Copied from

**SYMMETRIC SPINNAKERS**

Id	SL	SMG	SF	Area	Measurer	Meas.Date	Manufacture	Material	Comment
ORC	15.20	8.16	0.00	103.19					* Copied from legacy *

**ASYMMETRIC SPINNAKERS**

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