

<b>BOAT</b> Name <b>LICHTBLICK</b> Sail Nr <b>GER 4910</b>	<b>GPH</b> <b>671.5</b>	<b>HULL</b> Length Overall <b>9.490m</b> Maximum Beam <b>3.216m</b> Displacement <b>3,386kg</b> Draft <b>1.905m</b> IMS Reg. Division <b>Cruiser/Racer</b> Dynamic Allowance <b>0.297%</b> Fwd Accommodation <b>Yes</b> Hull Construction <b>Solid</b> Carbon Rudder <b>No</b> Crew Arm Extension <b>0.00</b>
<b>GENERAL</b> Class <b>FIRST 31.7</b> Designer <b>FINOT-LONG</b> Builder <b>BENETEAU SA</b> Series <b>01/1998</b> Age <b>01/1999</b> Age Allowance <b>0.487%</b> Offset File <b>F171.OFF - 18/07/2000 21:25:00</b> Measurement by <b>BUELL/HENRITZ - 12/05/2000</b>		IMSL <b>8.847m</b> VCGD <b>0.049m</b> Sink <b>14.96kg/mm</b> RL <b>7.567m</b> VCGM <b>0.029m</b> WS <b>19.54m²</b> LSMO <b>8.763m</b> Displacement/Length ratio <b>5.0319</b>



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**2016**  
ORC International  
Certificate

<b>SCORING OPTIONS</b>						
	<b>OFFSHORE COASTAL / LONG DISTANCE</b>			<b>INSHORE WINDWARD / LEEWARD</b>		
Time On Distance	<b>650.0</b>			<b>725.6</b>		
Time On Time	<b>0.9230</b>			<b>0.9302</b>		
Performance Line	PLT	PLD		PLT	PLD	
	<b>0.598</b>	<b>18.7</b>		<b>0.727</b>	<b>160.3</b>	
Triple Number	Low	Medium	High	Low	Medium	High
	<b>0.8602</b>	<b>1.1416</b>	<b>1.3060</b>	<b>0.6621</b>	<b>0.9217</b>	<b>1.0844</b>

**Rating Office**

Offshore  
Racing  
Congress

**Invalid for  
Racing**



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<b>TIME ALLOWANCES</b>							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	<b>1168.5</b>	<b>957.9</b>	<b>841.1</b>	<b>767.6</b>	<b>737.3</b>	<b>723.6</b>	<b>720.3</b>
52°	<b>756.9</b>	<b>629.7</b>	<b>561.8</b>	<b>530.4</b>	<b>517.3</b>	<b>511.6</b>	<b>508.0</b>
60°	<b>709.4</b>	<b>594.5</b>	<b>540.9</b>	<b>516.0</b>	<b>501.5</b>	<b>494.8</b>	<b>489.8</b>
75°	<b>671.4</b>	<b>568.5</b>	<b>525.9</b>	<b>503.2</b>	<b>483.8</b>	<b>468.0</b>	<b>455.3</b>
90°	<b>676.2</b>	<b>571.9</b>	<b>524.1</b>	<b>498.5</b>	<b>483.9</b>	<b>463.6</b>	<b>431.5</b>
110°	<b>697.6</b>	<b>572.6</b>	<b>521.2</b>	<b>492.2</b>	<b>462.9</b>	<b>440.1</b>	<b>416.4</b>
120°	<b>721.1</b>	<b>588.8</b>	<b>528.7</b>	<b>499.0</b>	<b>471.5</b>	<b>443.4</b>	<b>396.2</b>
135°	<b>802.0</b>	<b>647.8</b>	<b>559.5</b>	<b>519.0</b>	<b>492.5</b>	<b>465.2</b>	<b>412.0</b>
150°	<b>947.1</b>	<b>742.8</b>	<b>626.3</b>	<b>554.0</b>	<b>518.3</b>	<b>493.5</b>	<b>443.3</b>
Run VMG	<b>1093.6</b>	<b>857.7</b>	<b>721.6</b>	<b>631.2</b>	<b>567.8</b>	<b>527.5</b>	<b>478.3</b>

**Certificate**  
Number **99843**  
ORC Ref **GER20014486**  
Issued On **25/04/2016**  
VPP Ver. **2016 1.01**  
Valid until **01/01/2017**

<b>Selected Courses</b>							
Windward / Leeward	<b>1131.1</b>	<b>907.8</b>	<b>781.3</b>	<b>699.4</b>	<b>652.5</b>	<b>625.5</b>	<b>599.3</b>
Circular Random	<b>938.7</b>	<b>752.3</b>	<b>650.8</b>	<b>590.7</b>	<b>553.1</b>	<b>528.4</b>	<b>497.5</b>
Ocean for PCS	<b>1153.1</b>	<b>883.8</b>	<b>731.1</b>	<b>637.1</b>	<b>575.8</b>	<b>532.8</b>	<b>472.3</b>
Non Spinnaker	<b>990.0</b>	<b>788.5</b>	<b>677.9</b>	<b>612.1</b>	<b>570.9</b>	<b>543.8</b>	<b>510.2</b>

**Crew Weight**

Declared **479kg**  
Default\* **570kg**  
Non Manual Per **No**

**Special Scoring**

	ToID	ToT
Double H.GPH	<b>675.3</b>	<b>0.8885</b>
Double H.OSN	<b>655.4</b>	<b>0.9155</b>
Non Spin GPH	<b>700.3</b>	<b>0.8568</b>
Non Spin OSN	<b>676.5</b>	<b>0.8869</b>
N/S Perf. Line	<b>1.9</b>	<b>0.550</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>43.8°</b>	<b>42.3°</b>	<b>41.8°</b>	<b>40.4°</b>	<b>39.0°</b>	<b>39.0°</b>	<b>39.3°</b>
Beat VMG	<b>3.08</b>	<b>3.76</b>	<b>4.28</b>	<b>4.69</b>	<b>4.88</b>	<b>4.98</b>	<b>5.00</b>
52°	<b>4.76</b>	<b>5.72</b>	<b>6.41</b>	<b>6.79</b>	<b>6.96</b>	<b>7.04</b>	<b>7.09</b>
60°	<b>5.08</b>	<b>6.06</b>	<b>6.66</b>	<b>6.98</b>	<b>7.18</b>	<b>7.28</b>	<b>7.35</b>
75°	<b>5.36</b>	<b>6.33</b>	<b>6.85</b>	<b>7.15</b>	<b>7.44</b>	<b>7.69</b>	<b>7.91</b>
90°	<b>5.32</b>	<b>6.29</b>	<b>6.87</b>	<b>7.22</b>	<b>7.44</b>	<b>7.77</b>	<b>8.34</b>
110°	<b>5.16</b>	<b>6.29</b>	<b>6.91</b>	<b>7.31</b>	<b>7.78</b>	<b>8.18</b>	<b>8.65</b>
120°	<b>4.99</b>	<b>6.11</b>	<b>6.81</b>	<b>7.21</b>	<b>7.64</b>	<b>8.12</b>	<b>9.09</b>
135°	<b>4.49</b>	<b>5.56</b>	<b>6.43</b>	<b>6.94</b>	<b>7.31</b>	<b>7.74</b>	<b>8.74</b>
150°	<b>3.80</b>	<b>4.85</b>	<b>5.75</b>	<b>6.50</b>	<b>6.95</b>	<b>7.30</b>	<b>8.12</b>
Run VMG	<b>3.29</b>	<b>4.20</b>	<b>4.99</b>	<b>5.70</b>	<b>6.34</b>	<b>6.82</b>	<b>7.53</b>
Gybe Angles	<b>146.6°</b>	<b>150.3°</b>	<b>152.4°</b>	<b>157.6°</b>	<b>180.0°</b>	<b>180.0°</b>	<b>180.0°</b>

**Sails Limitations**

Headsails	Spinnakers
<b>6</b>	<b>3</b>

**Class Division Length**  
CDL = **8.208**

**Storm Sails Areas**

Heavy Weather Jib	<b>19.26</b>
Storm Jib (JL=7.76)	<b>7.13</b>
Storm Trysail	<b>7.34</b>

**Owner**