



World Leader in Rating Technology

## 2010 ORC Club Certificate

### Rating Office

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### Certificate

Number **10052a**  
Issued On **08/03/2010**  
ORC Ref **FRA00007487**  
VPP Ver. **2010 1.08**  
Valid until **28/02/2011**

### Crew Weight

Declared **600 kg**  
Default\* **629 kg**  
Non Manual Power **No**

### Special Scoring

	ToD	ToT
Double Handed	<b>595.7</b>	<b>1.0072</b>
Non Spinnaker	<b>645.0</b>	<b>0.9302</b>
N/S Perf. Line	<b>52.7</b>	<b>0.742</b>

### Sails Limitations

Genoas **1** Spinnakers **4**  
Jibs **0**

### Spinnaker configuration

Symmetric: **Yes 144.72**  
Asymmetric: **No**  
Code Zero: **No**  
Spin. Pole: **Yes**

### Stability

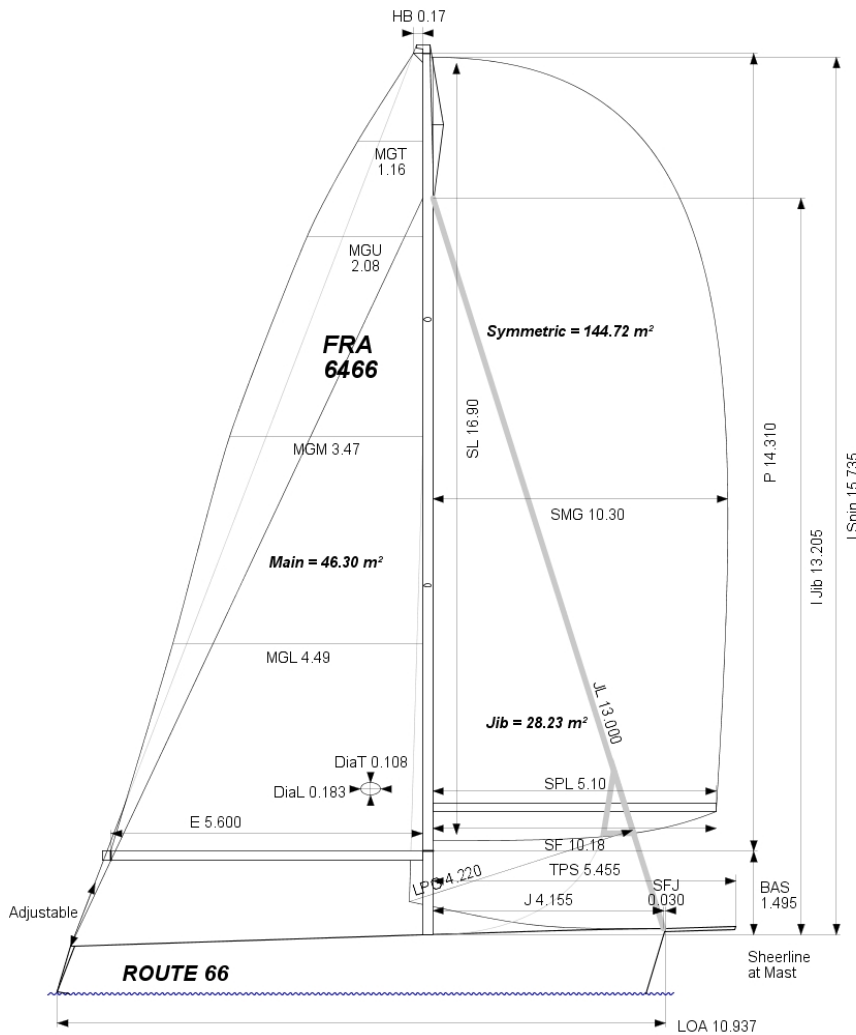
LPS (Estimated): **120.5°**  
Stability Index: **116.6**  
OSR Category: **1**

### Owner

EDUFFE Goulven  
BP 13206,  
98803 - NOUMEA

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

Signature



BOAT		GPH	HULL			
Name <b>ROUTE 66</b> Sail Nr <b>FRA- 6466</b>		<b>588.1</b>	Data File <b>F6466.dxt</b>	LOA <b>10.937 m</b>		
			Offset File <b>YOUNG11m.OFF</b>	MB <b>3.694 m</b>		
			Displacement <b>4,488 kg</b>	Draft <b>2.117 m</b>		
CLASS						
Class <b>YOUNG 11 (Mod)</b>		IMS Division <b>Cruiser/Racer</b> Dynamic All. <b>0.308%</b>				
Designer <b>YOUNG Jim</b>		Fwd Accom. <b>Yes</b> Construction <b>Cored</b>				
Builder <b>LAND Roger</b>		Fiber Rigging <b>No</b> Aramid Core <b>No</b>				
Series <b>01/1984</b>		Carbon Mast <b>No</b> Carbon Rudder <b>No</b>				
Age Date <b>01/1987</b>		Anchor Wgt				
Age Allowance <b>0.975%</b>		IMS L <b>10.518</b> Wetted Area <b>25.28 m<sup>2</sup></b> VCGM <b>-0.082</b>				
COMMENTS						
VOLVO /25S Draft = 2.10m.						
PROPELLER		CENTERBOARD				
Installation <b>Strut</b> PRD		N/A				
Type <b>Folding</b>						
SCORING OPTIONS						
	OFFSHORE COASTAL / LONG DISTANCE			INSHORE WINDWARD / LEEWARD		
Time On Distance	<b>588.1</b>			<b>662.2</b>		
Time On Time	<b>1.0203</b>			<b>1.0194</b>		
Performance Line	<b>PLT</b>	<b>PLD</b>		<b>PLT</b>	<b>PLD</b>	
	<b>0.912</b>	<b>111.5</b>		<b>1.083</b>	<b>308.4</b>	
Triple Number	<b>Low</b>	<b>Medium</b>	<b>High</b>	<b>Low</b>	<b>Medium</b>	<b>High</b>
	<b>1.0121</b>	<b>1.2889</b>	<b>1.4482</b>	<b>0.7744</b>	<b>1.0338</b>	<b>1.1966</b>



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# 2010

## ORC Club Certificate Appendix

BOAT	
Name	<b>ROUTE 66</b>
Certificate Number	<b>10052a</b>
Sail Nr	<b>FRA- 6466</b>
Issued On	<b>08/03/2010</b>

TIME ALLOWANCES							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	<b>1032.6</b>	<b>849.0</b>	<b>760.1</b>	<b>713.6</b>	<b>685.5</b>	<b>669.2</b>	<b>675.1</b>
52°	<b>670.7</b>	<b>562.6</b>	<b>511.7</b>	<b>490.2</b>	<b>477.0</b>	<b>468.7</b>	<b>467.5</b>
60°	<b>629.7</b>	<b>535.0</b>	<b>489.2</b>	<b>469.2</b>	<b>457.7</b>	<b>450.2</b>	<b>444.6</b>
75°	<b>597.9</b>	<b>508.0</b>	<b>472.4</b>	<b>446.4</b>	<b>432.8</b>	<b>424.7</b>	<b>415.0</b>
90°	<b>544.1</b>	<b>484.3</b>	<b>461.4</b>	<b>448.9</b>	<b>426.6</b>	<b>408.6</b>	<b>390.6</b>
110°	<b>544.2</b>	<b>474.1</b>	<b>442.6</b>	<b>427.1</b>	<b>414.7</b>	<b>431.1</b>	<b>390.7</b>
120°	<b>567.6</b>	<b>488.4</b>	<b>445.9</b>	<b>418.7</b>	<b>402.5</b>	<b>388.6</b>	<b>407.4</b>
135°	<b>644.4</b>	<b>532.6</b>	<b>475.1</b>	<b>438.3</b>	<b>407.7</b>	<b>377.2</b>	<b>331.4</b>
150°	<b>770.2</b>	<b>619.6</b>	<b>532.3</b>	<b>479.9</b>	<b>444.7</b>	<b>416.0</b>	<b>357.7</b>
Run VMG	<b>889.4</b>	<b>715.4</b>	<b>614.5</b>	<b>548.7</b>	<b>500.3</b>	<b>464.6</b>	<b>409.0</b>

Selected Courses							
Windward / Leeward	<b>980.6</b>	<b>795.8</b>	<b>697.4</b>	<b>638.8</b>	<b>599.9</b>	<b>573.5</b>	<b>548.2</b>
Circular Random	<b>803.2</b>	<b>652.0</b>	<b>571.2</b>	<b>524.2</b>	<b>494.8</b>	<b>475.3</b>	<b>450.5</b>
Ocean for PCS	<b>857.6</b>	<b>681.5</b>	<b>583.3</b>	<b>522.6</b>	<b>481.6</b>	<b>451.2</b>	<b>406.4</b>
Non Spinnaker	<b>910.8</b>	<b>726.2</b>	<b>624.7</b>	<b>563.9</b>	<b>525.2</b>	<b>499.6</b>	<b>468.9</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>43.2°</b>	<b>41.8°</b>	<b>40.5°</b>	<b>39.1°</b>	<b>37.9°</b>	<b>37.7°</b>	<b>38.6°</b>
Beat VMG	<b>3.49</b>	<b>4.24</b>	<b>4.74</b>	<b>5.04</b>	<b>5.25</b>	<b>5.38</b>	<b>5.33</b>
52°	<b>5.37</b>	<b>6.40</b>	<b>7.04</b>	<b>7.34</b>	<b>7.55</b>	<b>7.68</b>	<b>7.70</b>
60°	<b>5.72</b>	<b>6.73</b>	<b>7.36</b>	<b>7.67</b>	<b>7.87</b>	<b>8.00</b>	<b>8.10</b>
75°	<b>6.02</b>	<b>7.09</b>	<b>7.62</b>	<b>8.07</b>	<b>8.32</b>	<b>8.48</b>	<b>8.67</b>
90°	<b>6.62</b>	<b>7.43</b>	<b>7.80</b>	<b>8.02</b>	<b>8.44</b>	<b>8.81</b>	<b>9.22</b>
110°	<b>6.62</b>	<b>7.59</b>	<b>8.13</b>	<b>8.43</b>	<b>8.68</b>	<b>8.35</b>	<b>9.21</b>
120°	<b>6.34</b>	<b>7.37</b>	<b>8.07</b>	<b>8.60</b>	<b>8.94</b>	<b>9.26</b>	<b>8.84</b>
135°	<b>5.59</b>	<b>6.76</b>	<b>7.58</b>	<b>8.21</b>	<b>8.83</b>	<b>9.54</b>	<b>10.86</b>
150°	<b>4.67</b>	<b>5.81</b>	<b>6.76</b>	<b>7.50</b>	<b>8.10</b>	<b>8.65</b>	<b>10.06</b>
Run VMG	<b>4.05</b>	<b>5.03</b>	<b>5.86</b>	<b>6.56</b>	<b>7.20</b>	<b>7.75</b>	<b>8.80</b>
Gybe Angles	<b>142.6°</b>	<b>146.3°</b>	<b>150.8°</b>	<b>158.0°</b>	<b>163.4°</b>	<b>166.8°</b>	<b>162.8°</b>