



World Leader in Rating Technology

## 2010 ORC Club Certificate

### Rating Office

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www.ffvoile.org



### Certificate

Number **10029a**  
Issued On **08/03/2010**  
ORC Ref **FRA00007507**  
VPP Ver. **2010 1.08**  
Valid until **28/02/2011**

### Crew Weight

Declared **350 kg**  
Default\* **624 kg**  
Non Manual Power **No**

### Special Scoring

	ToD	ToT
Double Handed	<b>654.9</b>	<b>0.9161</b>
Non Spinnaker	<b>690.2</b>	<b>0.8693</b>
N/S Perf. Line	<b>57.3</b>	<b>0.698</b>

### Sails Limitations

Genoas **1** Spinnakers **3**  
Jibs **0** Dacron Sails

### Spinnaker configuration

Symmetric: **Yes** **74.87**  
Asymmetric: **Yes** **67.59**  
Code Zero: **No**  
Spin. Pole: **Yes**

### Stability

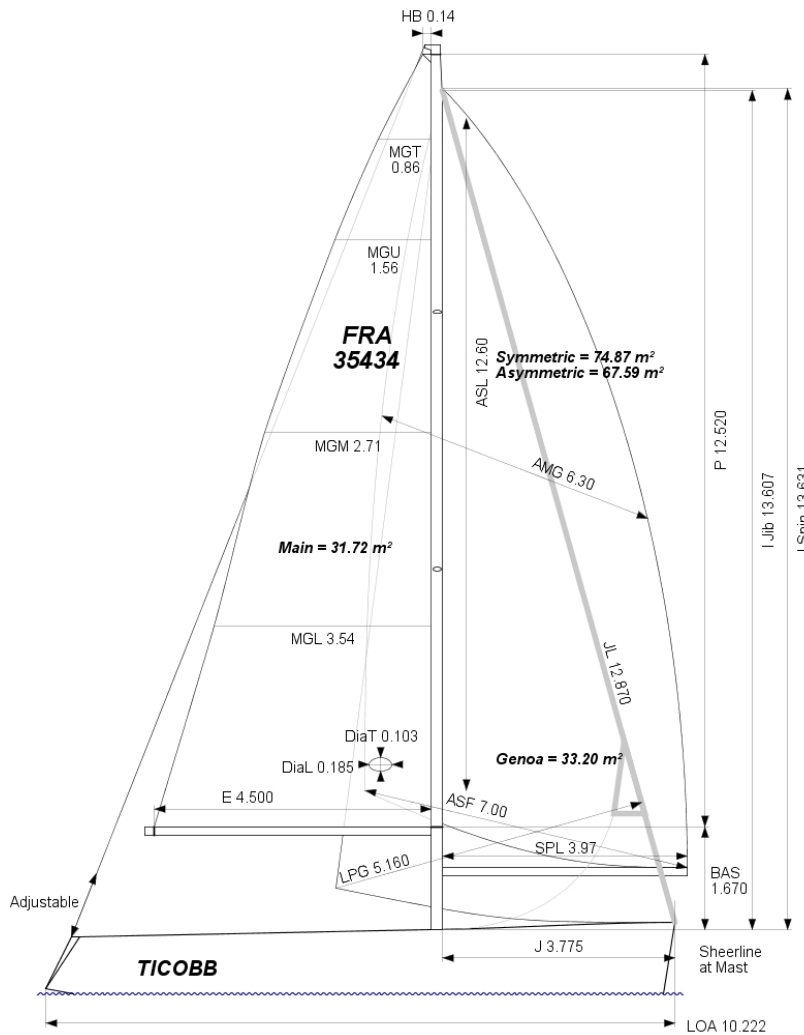
LPS (Estimated): **117.1°**  
Stability Index: **120.0**  
OSR Category: **0**

### Owner

LEFEBVRE Bertrand  
13 Rue du General Abbe,  
51000 - CHALONS en  
CHAMPAGNE

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

Signature



BOAT	GPH	HULL
Name <b>TICOB B</b> Sail Nr <b>FRA-35434</b>	<b>653.0</b>	Data File <b>F35434.dxt</b> LOA <b>10.222 m</b> Offset File <b>DEH34Nb.off</b> MB <b>3.216 m</b> Displacement <b>4,975 kg</b> Draft <b>1.881 m</b>
<b>CLASS</b> Class <b>DEHLER 34 Cruising</b> Designer <b>JUDEL Friedrich</b> Builder <b>DEHLER YACHTBAU</b> Series <b>10/2001</b> Age Date <b>06/2002</b> Age Allowance <b>0.585%</b>		IMS Division <b>Cruiser/Racer</b> Dynamic All. <b>0.823%</b> Fwd Accom. <b>Yes</b> Construction <b>Cored</b> Fiber Rigging <b>No</b> Aramid Core <b>No</b> Carbon Mast <b>No</b> Carbon Rudder <b>No</b> Anchor Wgt Anchor LCG
<b>COMMENTS</b> YANMAR SD20 DSPM = + 50kg From DE34CR_3.dxt		IMS L <b>9.817</b> Wetted Area <b>23.39 m²</b> VCGM <b>0.009</b>
<b>PROPELLER</b> Installation <b>Strut</b> PRD <b>0.384</b> Type <b>Folding</b>		<b>CENTERBOARD</b> N/A

SCORING OPTIONS	OFFSHORE COASTAL / LONG DISTANCE			INSHORE WINDWARD / LEEWARD		
	Time On Distance	<b>653.0</b>			<b>735.6</b>	
Time On Time	<b>0.9188</b>			<b>0.9176</b>		
Performance Line	<b>PLT</b>	<b>PLD</b>		<b>PLT</b>	<b>PLD</b>	
	<b>0.787</b>	<b>90.7</b>		<b>0.912</b>	<b>268.0</b>	
Triple Number	<b>Low</b>	<b>Medium</b>	<b>High</b>	<b>Low</b>	<b>Medium</b>	<b>High</b>
	<b>0.8912</b>	<b>1.1716</b>	<b>1.3266</b>	<b>0.6738</b>	<b>0.9329</b>	<b>1.0922</b>



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## ORC Club Certificate Appendix

<b>BOAT</b>	
Name	<b>TICOB</b>
Certificate Number	<b>10029a</b>
Sail Nr	<b>FRA-35434</b>
Issued On	<b>08/03/2010</b>

<b>TIME ALLOWANCES</b>							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	<b>1152.4</b>	<b>940.0</b>	<b>825.0</b>	<b>774.6</b>	<b>745.3</b>	<b>727.4</b>	<b>722.3</b>
52°	<b>737.8</b>	<b>608.6</b>	<b>550.8</b>	<b>525.0</b>	<b>511.8</b>	<b>503.4</b>	<b>497.0</b>
60°	<b>684.9</b>	<b>574.8</b>	<b>526.8</b>	<b>501.4</b>	<b>489.8</b>	<b>482.4</b>	<b>475.4</b>
75°	<b>641.0</b>	<b>542.1</b>	<b>498.5</b>	<b>481.2</b>	<b>463.7</b>	<b>455.1</b>	<b>446.7</b>
90°	<b>603.8</b>	<b>523.2</b>	<b>484.4</b>	<b>462.4</b>	<b>452.4</b>	<b>445.1</b>	<b>426.4</b>
110°	<b>629.7</b>	<b>540.4</b>	<b>496.6</b>	<b>466.3</b>	<b>442.6</b>	<b>423.9</b>	<b>403.8</b>
120°	<b>675.8</b>	<b>562.1</b>	<b>510.3</b>	<b>476.8</b>	<b>450.7</b>	<b>428.8</b>	<b>392.9</b>
135°	<b>776.8</b>	<b>622.6</b>	<b>545.4</b>	<b>503.0</b>	<b>473.3</b>	<b>449.1</b>	<b>406.5</b>
150°	<b>929.0</b>	<b>728.9</b>	<b>610.8</b>	<b>544.9</b>	<b>505.2</b>	<b>476.5</b>	<b>432.6</b>
Run VMG	<b>1072.8</b>	<b>841.7</b>	<b>704.8</b>	<b>615.2</b>	<b>556.1</b>	<b>515.9</b>	<b>463.0</b>

<b>Selected Courses</b>							
Windward / Leeward	<b>1132.7</b>	<b>904.1</b>	<b>777.4</b>	<b>704.0</b>	<b>658.6</b>	<b>628.8</b>	<b>599.1</b>
Circular Random	<b>907.3</b>	<b>729.2</b>	<b>633.1</b>	<b>576.8</b>	<b>542.0</b>	<b>519.4</b>	<b>491.8</b>
Ocean for PCS	<b>970.8</b>	<b>763.3</b>	<b>647.2</b>	<b>576.1</b>	<b>529.5</b>	<b>496.4</b>	<b>449.9</b>
Non Spinnaker	<b>976.8</b>	<b>777.3</b>	<b>667.9</b>	<b>603.1</b>	<b>562.6</b>	<b>536.2</b>	<b>504.7</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>44.6°</b>	<b>43.4°</b>	<b>42.1°</b>	<b>40.2°</b>	<b>39.2°</b>	<b>38.6°</b>	<b>39.1°</b>
Beat VMG	<b>3.12</b>	<b>3.83</b>	<b>4.36</b>	<b>4.65</b>	<b>4.83</b>	<b>4.95</b>	<b>4.98</b>
52°	<b>4.88</b>	<b>5.92</b>	<b>6.54</b>	<b>6.86</b>	<b>7.03</b>	<b>7.15</b>	<b>7.24</b>
60°	<b>5.26</b>	<b>6.26</b>	<b>6.83</b>	<b>7.18</b>	<b>7.35</b>	<b>7.46</b>	<b>7.57</b>
75°	<b>5.62</b>	<b>6.64</b>	<b>7.22</b>	<b>7.48</b>	<b>7.76</b>	<b>7.91</b>	<b>8.06</b>
90°	<b>5.96</b>	<b>6.88</b>	<b>7.43</b>	<b>7.79</b>	<b>7.96</b>	<b>8.09</b>	<b>8.44</b>
110°	<b>5.72</b>	<b>6.66</b>	<b>7.25</b>	<b>7.72</b>	<b>8.13</b>	<b>8.49</b>	<b>8.92</b>
120°	<b>5.33</b>	<b>6.40</b>	<b>7.05</b>	<b>7.55</b>	<b>7.99</b>	<b>8.40</b>	<b>9.16</b>
135°	<b>4.63</b>	<b>5.78</b>	<b>6.60</b>	<b>7.16</b>	<b>7.61</b>	<b>8.02</b>	<b>8.86</b>
150°	<b>3.87</b>	<b>4.94</b>	<b>5.89</b>	<b>6.61</b>	<b>7.13</b>	<b>7.56</b>	<b>8.32</b>
Run VMG	<b>3.36</b>	<b>4.28</b>	<b>5.11</b>	<b>5.85</b>	<b>6.47</b>	<b>6.98</b>	<b>7.77</b>
Gybe Angles	<b>143.0°</b>	<b>148.2°</b>	<b>151.9°</b>	<b>162.8°</b>	<b>171.2°</b>	<b>174.6°</b>	<b>176.3°</b>