



World Leader in Rating Technology

## 2017 ORC Club Certificate

### Rating Office

ORC Central Office  
UK Contact: Ruth Kelly  
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### Certificate

Number **041801**  
Issued On **18/04/2017**  
ORC Ref **GBR27400537**  
VPP Ver. **2017 1.00**  
Valid until **01/02/2018**

### Crew Weight

Declared **600kg**  
Default\* **776kg**  
Non Manual Pwr **No**

### Special Scoring

ToD ToT  
Non Spin GPH **653.6 0.9180**  
Non Spin OSN **638.5 0.9397**

### Sails Limitations

Headsails **5** Spinnakers **3**

### Spinnaker configuration

Symmetric: **No**  
Asymmetric: **Yes 125.92**  
Flying H/S: **No**  
Spin. Pole: **No**

### Class Division Length

CDL = **9.444**

### Stability (Estimated)

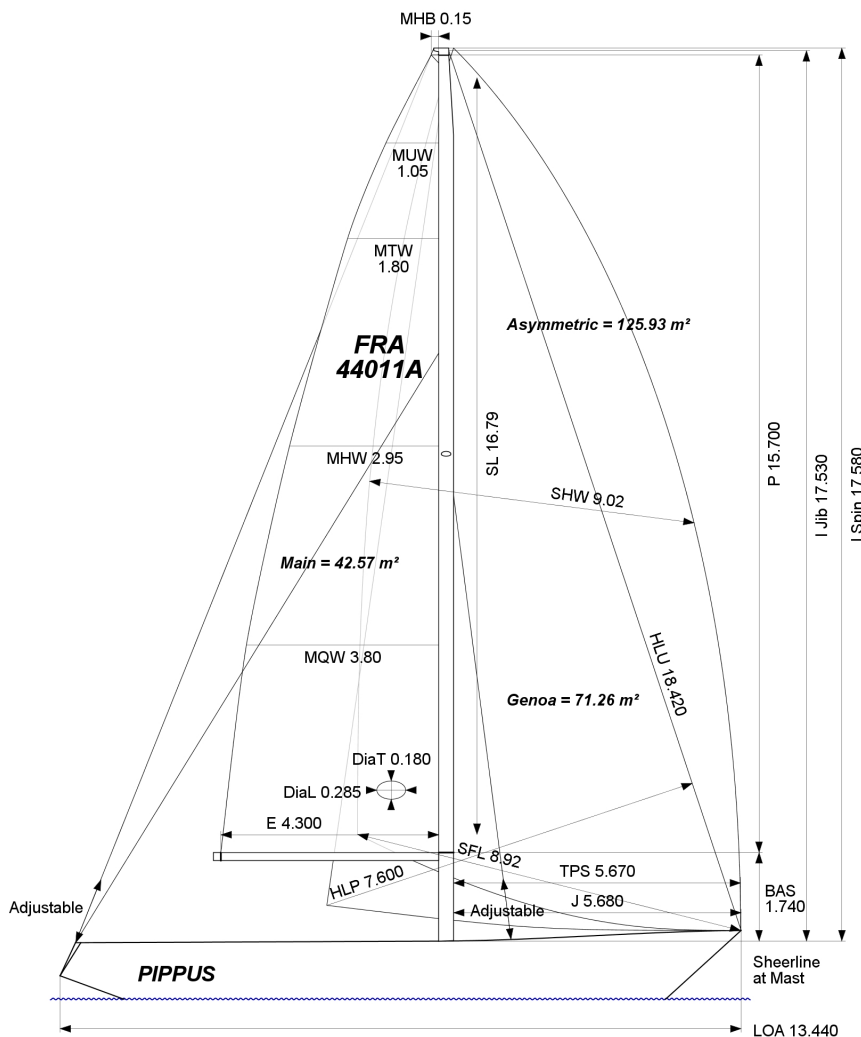
Limit Positive Stab.: **123.2°**  
Stability Index: **132.2**

### Owner

Alberto Pradella  
1bis Route de Chateaneuf  
06650 OPIO, France

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

Signature



<b>BOAT</b> Name <b>PIPPUS</b> Sail Nr <b>FRA 44011A</b>	<b>GPH</b> <b>633.0</b>	<b>HULL</b> Data File <b>44-011</b> LOA <b>13.440m</b> Offset File <b>SWN44S.OFF</b> MB <b>3.776m</b> Displacement <b>12,582kg</b> Draft <b>2.240m</b> IMS Division <b>Cruiser/Racer</b> Dynamic All. <b>0.442%</b> Fwd Accom. <b>Yes</b> Construction <b>Solid</b> Fiber Rigging <b>No</b> Aramid Core <b>No</b> Crew Arm Ex <b>0.00</b> Carbon Rudder <b>No</b> Light Stanchions <b>No</b> IMSL <b>10.842m</b> VCGD <b>-0.117m</b> Sink <b>24.99kg/mm</b> RL <b>8.045m</b> VCGM <b>-0.093m</b> WS <b>36.52m<sup>2</sup></b> LSM0 <b>10.872m</b> Displacement/Length ratio <b>9.7909</b> Water Ballast <b>0</b> Trim Tab <b>No</b>
<b>CLASS</b> Class <b>Swan 44 (1972)</b> Designer <b>S&amp;S</b> Builder <b>Nautor</b> Series <b>09/1972, CIN 44-011</b> Age Date <b>02/1973</b> Age Allowance <b>0.487%</b>		<b>CENTERBOARD</b> <b>N/A</b>
<b>COMMENTS</b> New rig from Velscaf		
<b>PROPELLER</b> Installation <b>Shaft exposed</b> PRD <b>0.340</b> Type <b>Feathering 3 blades</b> PBW <b>0.105</b> PIPA <b>0.0026</b>		

SCORING OPTIONS	COASTAL / LONG DISTANCE			WINDWARD / LEEWARD		
	Low	Medium	High	Low	Medium	High
Time On Distance	<b>618.3</b>			<b>698.4</b>		
Time On Time	<b>0.9703</b>			<b>0.9664</b>		
Triple Number	Low	Medium	High	Low	Medium	High
Time on Distance	<b>724.6</b>	<b>561.5</b>	<b>499.8</b>	<b>940.5</b>	<b>708.4</b>	<b>605.4</b>
Time on Time	<b>0.9315</b>	<b>1.2021</b>	<b>1.3505</b>	<b>0.7177</b>	<b>0.9528</b>	<b>1.1149</b>



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## ORC Club Certificate Appendix

<b>BOAT</b>	
Name <b>PIPPUS</b>	Certificate Number <b>041801</b>
Sail Nr <b>FRA 44011A</b>	Issued On <b>18/04/2017</b>

<b>TIME ALLOWANCES</b>							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	<b>1050.4</b>	<b>889.8</b>	<b>798.7</b>	<b>744.5</b>	<b>715.2</b>	<b>697.2</b>	<b>677.7</b>
52°	<b>684.2</b>	<b>584.3</b>	<b>521.4</b>	<b>496.3</b>	<b>485.4</b>	<b>479.6</b>	<b>474.1</b>
60°	<b>646.4</b>	<b>549.6</b>	<b>499.0</b>	<b>479.2</b>	<b>470.1</b>	<b>464.9</b>	<b>459.9</b>
75°	<b>615.0</b>	<b>523.2</b>	<b>484.4</b>	<b>466.6</b>	<b>454.7</b>	<b>446.7</b>	<b>439.9</b>
90°	<b>614.0</b>	<b>521.9</b>	<b>482.3</b>	<b>463.7</b>	<b>450.5</b>	<b>439.4</b>	<b>422.2</b>
110°	<b>653.9</b>	<b>540.6</b>	<b>484.7</b>	<b>460.6</b>	<b>443.5</b>	<b>433.0</b>	<b>419.5</b>
120°	<b>674.2</b>	<b>559.8</b>	<b>493.6</b>	<b>466.0</b>	<b>447.8</b>	<b>431.1</b>	<b>406.2</b>
135°	<b>745.1</b>	<b>613.9</b>	<b>528.0</b>	<b>483.7</b>	<b>461.5</b>	<b>444.6</b>	<b>413.5</b>
150°	<b>876.6</b>	<b>701.0</b>	<b>603.8</b>	<b>535.0</b>	<b>498.2</b>	<b>476.0</b>	<b>448.0</b>
Run VMG	<b>1012.2</b>	<b>809.4</b>	<b>697.2</b>	<b>617.7</b>	<b>575.3</b>	<b>523.4</b>	<b>470.5</b>

<b>Selected Courses</b>							
Windward / Leeward	<b>1031.3</b>	<b>849.6</b>	<b>747.9</b>	<b>681.1</b>	<b>645.2</b>	<b>610.3</b>	<b>574.1</b>
Circular Random	<b>869.2</b>	<b>703.4</b>	<b>614.4</b>	<b>562.5</b>	<b>530.4</b>	<b>509.4</b>	<b>483.7</b>
Ocean for PCS	<b>1070.5</b>	<b>829.8</b>	<b>693.1</b>	<b>608.6</b>	<b>553.1</b>	<b>514.4</b>	<b>461.9</b>
Non Spinnaker	<b>908.5</b>	<b>731.0</b>	<b>634.0</b>	<b>576.3</b>	<b>540.0</b>	<b>516.2</b>	<b>487.5</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>43.9°</b>	<b>42.5°</b>	<b>43.7°</b>	<b>43.1°</b>	<b>41.9°</b>	<b>41.0°</b>	<b>39.9°</b>
Beat VMG	<b>3.43</b>	<b>4.05</b>	<b>4.51</b>	<b>4.84</b>	<b>5.03</b>	<b>5.16</b>	<b>5.31</b>
52°	<b>5.26</b>	<b>6.16</b>	<b>6.90</b>	<b>7.25</b>	<b>7.42</b>	<b>7.51</b>	<b>7.59</b>
60°	<b>5.57</b>	<b>6.55</b>	<b>7.21</b>	<b>7.51</b>	<b>7.66</b>	<b>7.74</b>	<b>7.83</b>
75°	<b>5.85</b>	<b>6.88</b>	<b>7.43</b>	<b>7.72</b>	<b>7.92</b>	<b>8.06</b>	<b>8.18</b>
90°	<b>5.86</b>	<b>6.90</b>	<b>7.46</b>	<b>7.76</b>	<b>7.99</b>	<b>8.19</b>	<b>8.53</b>
110°	<b>5.51</b>	<b>6.66</b>	<b>7.43</b>	<b>7.82</b>	<b>8.12</b>	<b>8.31</b>	<b>8.58</b>
120°	<b>5.34</b>	<b>6.43</b>	<b>7.29</b>	<b>7.73</b>	<b>8.04</b>	<b>8.35</b>	<b>8.86</b>
135°	<b>4.83</b>	<b>5.86</b>	<b>6.82</b>	<b>7.44</b>	<b>7.80</b>	<b>8.10</b>	<b>8.71</b>
150°	<b>4.11</b>	<b>5.14</b>	<b>5.96</b>	<b>6.73</b>	<b>7.23</b>	<b>7.56</b>	<b>8.04</b>
Run VMG	<b>3.56</b>	<b>4.45</b>	<b>5.16</b>	<b>5.83</b>	<b>6.26</b>	<b>6.88</b>	<b>7.65</b>
Gybe Angles	<b>145.7°</b>	<b>148.0°</b>	<b>147.0°</b>	<b>147.2°</b>	<b>149.4°</b>	<b>171.4°</b>	<b>175.3°</b>