



**ORC**  
Offshore Racing Congress  
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**2020**  
**Club**  
**Double Handed**

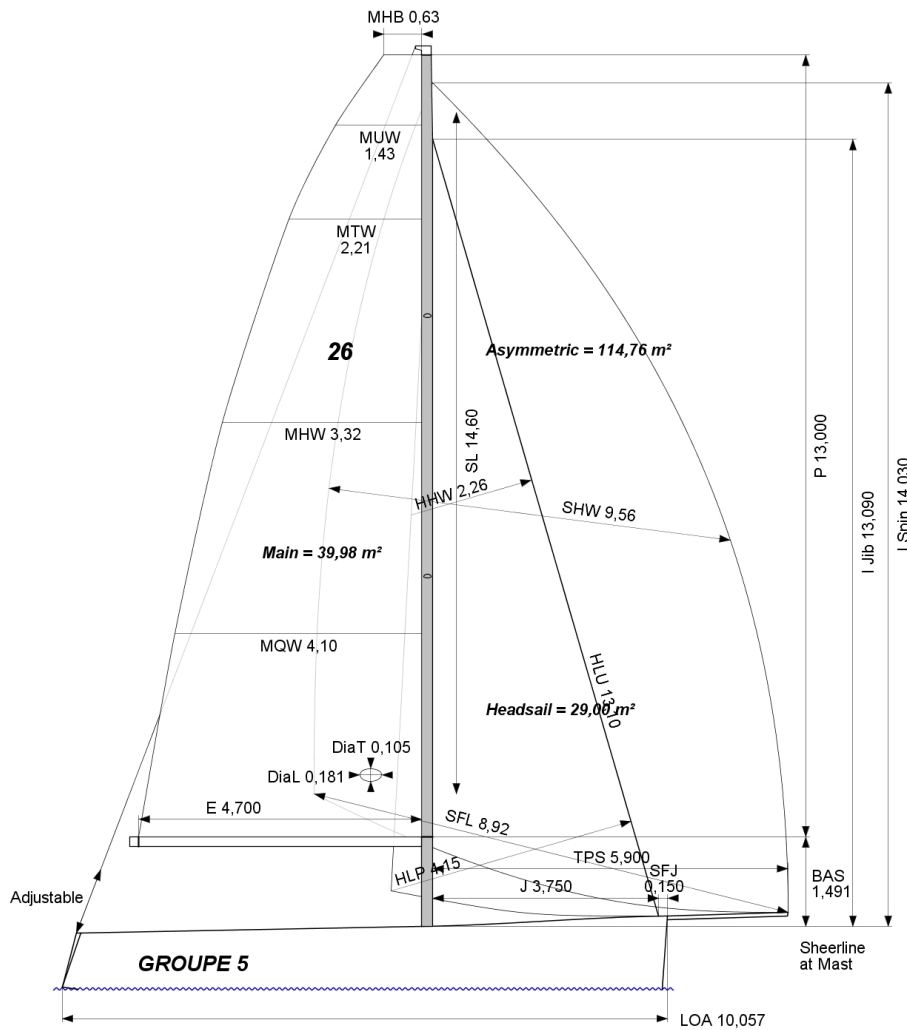
**Rating Office**

**Offshore**  
**Racing**  
**Congress**

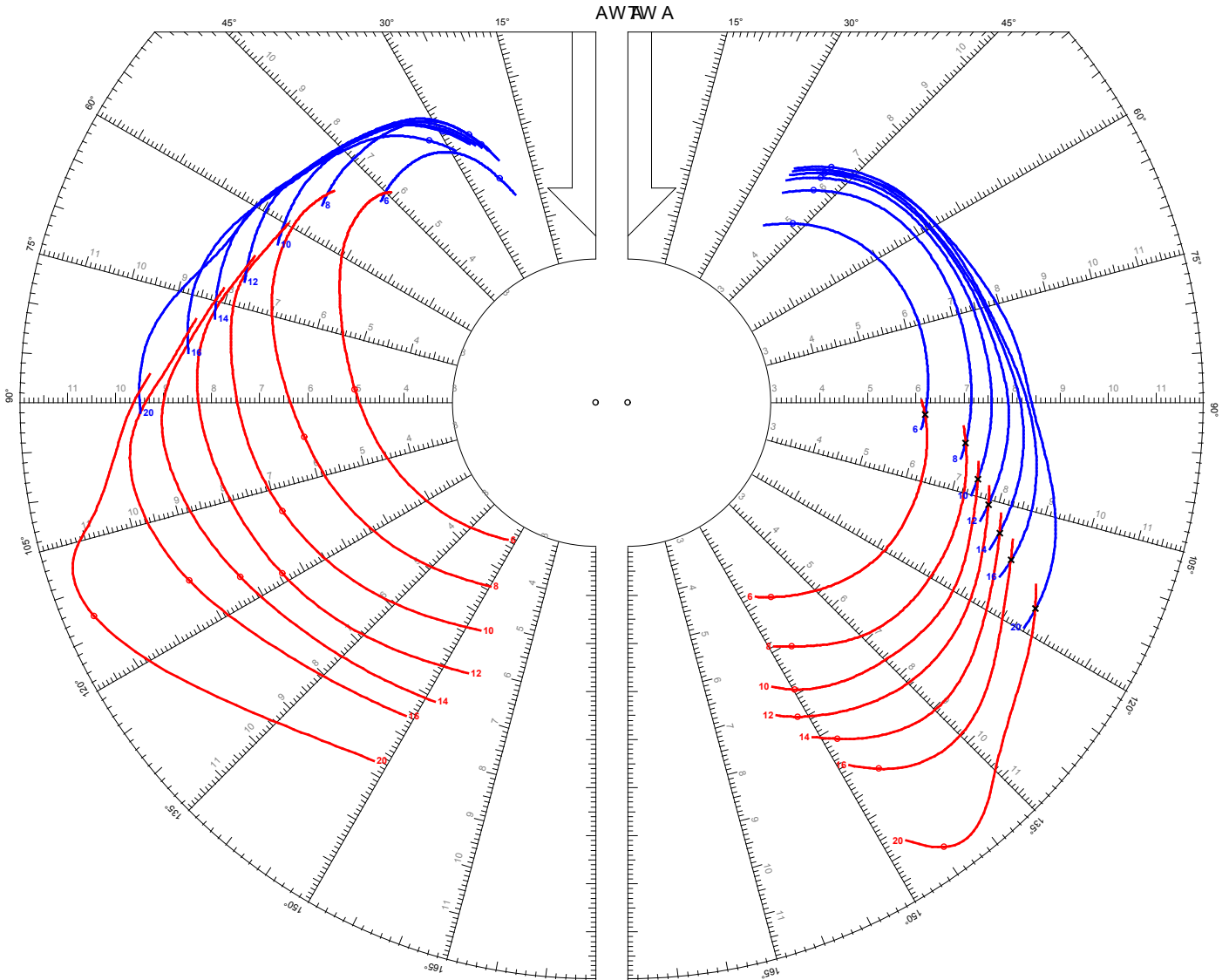


**Certificate**

Number **US6710**  
Issued On **01/09/2020**  
ORC Ref **03410000PIIM**  
VPP Ver. **2020 1.02**  
Valid until **31/12/2020**



<b>BOAT</b> Name <b>GROUPE 5</b> Sail Nr <b>26</b>		<b>GPH</b> <b>591.6</b>	<b>HULL</b> Data File <b>US6710</b> LOA <b>10.057m</b> Offset File <b>FIGARO2corr.off</b> MB <b>3.446m</b> Displacement <b>3,023kg</b> Draft <b>2.071m</b>		<b>Crew Weight</b> Default <b>170kg</b> Maximum <b>170kg</b> Non Manual Pwr <b>No</b>
<b>CLASS</b> Class <b>FIGARO 2</b> Designer <b>LOMBART</b> Builder <b>BENETEAU</b> Series <b>10/2003</b> Age Date <b>01/2006</b> Age Allowance <b>0.487%</b>			<b>Performance</b> IMS Division <b>Performance</b> Dynamic All. <b>0.000%</b> Fiber Rigging <b>No</b> Construction <b>Cored</b> Crew Arm Ex <b>0.00</b> Aramid Core <b>No</b> Carbon Rudder <b>No</b> Light Stanchions <b>No</b>		<b>Sails Limitations</b> Headsails <b>5</b> Spinnakers <b>4</b> <b>Asymmetric on centerline</b> <b>Spinnaker configuration</b> Symmetric: <b>No</b> Asymmetric: <b>Yes 114.76</b> Flying H/S: <b>No</b> Spin. Pole: <b>No</b>
<b>COMMENTS</b>			<b>IMS Data</b> IMSL <b>9.913m</b> VCGD <b>0.076m</b> Sink <b>16.77kg/mm</b> RL <b>8.545m</b> VCGM <b>0.060m</b> WS <b>21.12m²</b> LSM0 <b>9.828m</b> Displacement/Length ratio <b>3.1845</b> Water Ballast <b>260</b> Trim Tab <b>No</b> BLR Index <b>1.0113</b>		<b>Stability (Measured)</b> Limit Positive Stab.: <b>107.2°</b> Stability Index: <b>102.2</b>
<b>PROPELLER</b> Installation <b>Shaft non exposed</b> PRD <b>0.400</b> Type <b>Folding 2 blades</b> PBW <b>0.100</b> PIPA <b>0.0044</b>		<b>CENTERBOARD</b> <b>N/A</b>		<b>Owner</b>	
<b>SCORING OPTIONS</b>					
	Time on Distance	Time on Time			
Coastal or Long Distance	<b>578.2</b>	<b>1.0376</b>			
Circular Random	<b>591.6</b>	<b>1.0142</b>			
Predominantly Upwind	<b>581.0</b>	<b>1.0327</b>			
Predominantly Downwind	<b>526.1</b>	<b>1.1406</b>			



Polar Plot for Boat	
Name	<b>GROUPE 5</b>
Sail Number	<b>26</b>
Class	<b>FIGARO 2</b>
Designer	<b>LOMBART</b>
Builder	<b>BENETEAU</b>
Issued On	<b>01/09/2020 - VPP 2020 1.02</b>

# 2020

## Double Handed Certificate Appendix

<b>BOAT</b>							
Name	<b>GROUPE 5</b>			Certificate Number	<b>US6710</b>		
Sail Nr	<b>26</b>			Issued On	<b>01/09/2020</b>		

<b>TIME ALLOWANCES</b>							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	<b>970.3</b>	<b>808.5</b>	<b>742.9</b>	<b>722.4</b>	<b>715.5</b>	<b>701.4</b>	<b>706.2</b>
52°	<b>636.4</b>	<b>540.5</b>	<b>512.1</b>	<b>503.7</b>	<b>500.2</b>	<b>495.2</b>	<b>491.5</b>
60°	<b>601.7</b>	<b>521.1</b>	<b>496.7</b>	<b>488.5</b>	<b>484.4</b>	<b>481.1</b>	<b>473.3</b>
75°	<b>575.8</b>	<b>506.8</b>	<b>482.2</b>	<b>466.7</b>	<b>458.3</b>	<b>453.4</b>	<b>441.2</b>
90°	<b>581.1</b>	<b>506.0</b>	<b>477.5</b>	<b>454.4</b>	<b>434.3</b>	<b>422.5</b>	<b>412.1</b>
110°	<b>574.3</b>	<b>495.0</b>	<b>464.9</b>	<b>445.5</b>	<b>426.4</b>	<b>409.8</b>	<b>375.3</b>
120°	<b>587.3</b>	<b>497.7</b>	<b>461.0</b>	<b>428.9</b>	<b>407.9</b>	<b>389.1</b>	<b>358.2</b>
135°	<b>654.9</b>	<b>527.4</b>	<b>478.1</b>	<b>438.9</b>	<b>400.4</b>	<b>367.1</b>	<b>320.7</b>
150°	<b>775.9</b>	<b>618.2</b>	<b>525.6</b>	<b>480.2</b>	<b>448.5</b>	<b>411.7</b>	<b>339.2</b>
Run VMG	<b>895.9</b>	<b>713.8</b>	<b>606.9</b>	<b>554.2</b>	<b>517.9</b>	<b>475.4</b>	<b>391.7</b>
<b>Selected Courses</b>							
Windward / Leeward	<b>933.1</b>	<b>761.2</b>	<b>674.9</b>	<b>638.3</b>	<b>616.7</b>	<b>588.4</b>	<b>549.0</b>
Circular Random	<b>798.2</b>	<b>651.4</b>	<b>575.0</b>	<b>531.7</b>	<b>504.4</b>	<b>484.9</b>	<b>456.1</b>
Coastal / Long Distance	<b>929.4</b>	<b>716.1</b>	<b>611.1</b>	<b>554.9</b>	<b>521.3</b>	<b>487.0</b>	<b>434.0</b>
Non Spinnaker	<b>867.6</b>	<b>699.9</b>	<b>610.3</b>	<b>558.3</b>	<b>525.8</b>	<b>504.0</b>	<b>475.2</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>42.8°</b>	<b>41.6°</b>	<b>40.3°</b>	<b>39.6°</b>	<b>39.4°</b>	<b>39.0°</b>	<b>39.8°</b>
Beat VMG	<b>3.71</b>	<b>4.45</b>	<b>4.85</b>	<b>4.98</b>	<b>5.03</b>	<b>5.13</b>	<b>5.10</b>
52°	<b>5.66</b>	<b>6.66</b>	<b>7.03</b>	<b>7.15</b>	<b>7.20</b>	<b>7.27</b>	<b>7.32</b>
60°	<b>5.98</b>	<b>6.91</b>	<b>7.25</b>	<b>7.37</b>	<b>7.43</b>	<b>7.48</b>	<b>7.61</b>
75°	<b>6.25</b>	<b>7.10</b>	<b>7.47</b>	<b>7.71</b>	<b>7.86</b>	<b>7.94</b>	<b>8.16</b>
90°	<b>6.19</b>	<b>7.11</b>	<b>7.54</b>	<b>7.92</b>	<b>8.29</b>	<b>8.52</b>	<b>8.73</b>
110°	<b>6.27</b>	<b>7.27</b>	<b>7.74</b>	<b>8.08</b>	<b>8.44</b>	<b>8.78</b>	<b>9.59</b>
120°	<b>6.13</b>	<b>7.23</b>	<b>7.81</b>	<b>8.39</b>	<b>8.83</b>	<b>9.25</b>	<b>10.05</b>
135°	<b>5.50</b>	<b>6.83</b>	<b>7.53</b>	<b>8.20</b>	<b>8.99</b>	<b>9.81</b>	<b>11.23</b>
150°	<b>4.64</b>	<b>5.82</b>	<b>6.85</b>	<b>7.50</b>	<b>8.03</b>	<b>8.74</b>	<b>10.61</b>
Run VMG	<b>4.02</b>	<b>5.04</b>	<b>5.93</b>	<b>6.50</b>	<b>6.95</b>	<b>7.57</b>	<b>9.19</b>
Gybe Angles	<b>143.5°</b>	<b>146.0°</b>	<b>149.8°</b>	<b>151.5°</b>	<b>148.0°</b>	<b>145.5°</b>	<b>144.5°</b>