



**ORC**  
Offshore Racing Congress  
World leader in rating technology

**2020  
ORC Club  
Certificate**

**Rating Office**

**Offshore  
Racing  
Congress**



**Certificate**

Number **2599.7**  
Issued On **15/07/2020**  
ORC Ref **03570000MK6**  
VPP Ver. **2020 1.02**  
Valid until **31/12/2020**

**Crew Weight**

Default 610kg  
Maximum **580kg**  
Minimum\* **435kg**  
*\*when applied by the NoR and SI*  
Non Manual Pwr **No**

**Special Scoring**

	ToD	ToT
Non Spin GPH	<b>679.6</b>	<b>0.8829</b>
Non Spin OSN	<b>655.9</b>	<b>0.9148</b>

**Sails Limitations**

Headsails **5** Spinnakers **4**

**Asymmetric on centerline**

**Spinnaker configuration**  
Symmetric: **No**  
Asymmetric: **Yes 101.15**  
Flying H/S: **No**  
Spin. Pole: **No**

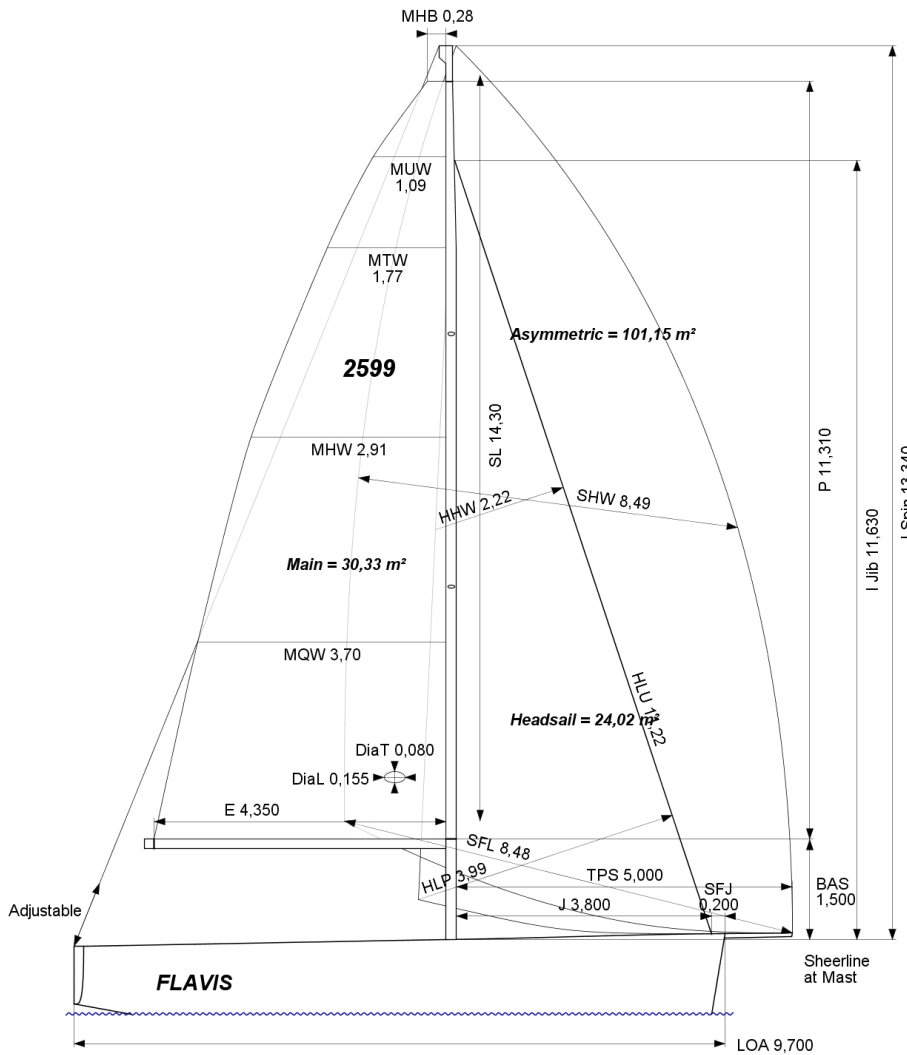
**Class Division Length**

**CDL = 8.737**

**Stability (Measured)**

Limit Positive Stab.: **120.0°**  
Stability Index: **118.2**

**Owner**



BOAT	GPH	HULL
Name <b>Flavis</b> Sail Nr <b>2599</b>	<b>628.5</b>	Data File <b>RU2599_Flavis</b> LOA <b>9.700m</b> Offset File <b>Rak970_F.off</b> MB <b>3.170m</b> Displacement <b>3,536kg</b> Draft <b>2.205m</b>
<b>CLASS</b> Class <b>Raketa970</b> Designer <b>Mikhail Tihonov</b> Builder <b>Raketa Yachts</b> Series <b>10/2006</b> Age Date <b>01/2013</b> Age Allowance <b>0.455%</b>	IMS Division <b>Performance</b> Dynamic All. <b>0.000%</b> Plan Review Construction <b>Cored</b> Fiber Rigging <b>No</b> Aramid Core <b>No</b> Crew Arm Ex Carbon Rudder <b>No</b> Light Stanchions <b>No</b>	IMSL <b>9.176m</b> VCGD <b>0.080m</b> Sink <b>15.97kg/mm</b> RL <b>8.308m</b> VCGM <b>0.007m</b> WS <b>21.18m²</b> LSM0 <b>9.186m</b> Displacement/Length ratio <b>4.5618</b>
<b>COMMENTS</b> DSPL= 3510	Water Ballast <b>0</b> Trim Tab <b>No</b> BLR Index <b>0.0000</b>	<b>CENTERBOARD</b>  <b>N/A</b>
<b>PROPELLER</b> Installation <b>Strut</b> PRD <b>0.350</b> Type <b>Feathering 2 blades</b> PIPA <b>0.0041</b>	<b>SCORING OPTIONS</b>	
	<b>COASTAL / LONG DISTANCE</b>	<b>WINDWARD / LEEWARD</b>
Time on Distance	<b>612.6</b>	<b>691.3</b>
Time on Time	<b>0.9795</b>	<b>0.9764</b>
Triple Number	Low Medium High	Low Medium High
Time on Distance	<b>718.5 557.1 497.4</b>	<b>940.4 692.4 611.0</b>
Time on Time	<b>0.9395 1.2117 1.3570</b>	<b>0.7178 0.9749 1.1047</b>

# 2020

## ORC Club Certificate Appendix

<b>BOAT</b>	
Name <b>Flavis</b>	Certificate Number <b>2599.7</b>
Sail Nr <b>2599</b>	Issued On <b>15/07/2020</b>

<b>TIME ALLOWANCES</b>							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	<b>1095.3</b>	<b>902.6</b>	<b>791.8</b>	<b>732.6</b>	<b>715.9</b>	<b>710.8</b>	<b>703.8</b>
52°	<b>717.1</b>	<b>600.8</b>	<b>542.7</b>	<b>517.0</b>	<b>508.3</b>	<b>504.9</b>	<b>501.1</b>
60°	<b>666.0</b>	<b>561.4</b>	<b>527.7</b>	<b>505.2</b>	<b>494.1</b>	<b>489.8</b>	<b>486.6</b>
75°	<b>610.3</b>	<b>528.8</b>	<b>501.4</b>	<b>489.6</b>	<b>476.9</b>	<b>464.3</b>	<b>455.8</b>
90°	<b>588.2</b>	<b>516.2</b>	<b>485.8</b>	<b>464.4</b>	<b>450.8</b>	<b>440.3</b>	<b>422.9</b>
110°	<b>609.6</b>	<b>521.0</b>	<b>484.6</b>	<b>457.7</b>	<b>429.8</b>	<b>406.3</b>	<b>377.1</b>
120°	<b>632.6</b>	<b>528.3</b>	<b>488.8</b>	<b>455.2</b>	<b>424.9</b>	<b>405.5</b>	<b>361.0</b>
135°	<b>719.3</b>	<b>572.1</b>	<b>509.1</b>	<b>476.8</b>	<b>443.9</b>	<b>411.9</b>	<b>344.8</b>
150°	<b>851.0</b>	<b>676.2</b>	<b>567.5</b>	<b>515.1</b>	<b>490.9</b>	<b>467.6</b>	<b>407.5</b>
Run VMG	<b>982.6</b>	<b>780.8</b>	<b>655.2</b>	<b>594.3</b>	<b>563.5</b>	<b>520.7</b>	<b>470.5</b>
<b>Selected Courses</b>							
Windward / Leeward	<b>1039.0</b>	<b>841.7</b>	<b>723.5</b>	<b>663.5</b>	<b>639.7</b>	<b>615.8</b>	<b>587.2</b>
Circular Random	<b>863.2</b>	<b>697.9</b>	<b>609.8</b>	<b>559.0</b>	<b>527.7</b>	<b>506.5</b>	<b>476.7</b>
Coastal / Long Distance	<b>1033.3</b>	<b>787.5</b>	<b>652.2</b>	<b>576.7</b>	<b>540.2</b>	<b>509.5</b>	<b>454.6</b>
Non Spinnaker	<b>958.4</b>	<b>764.0</b>	<b>657.8</b>	<b>595.1</b>	<b>556.4</b>	<b>531.1</b>	<b>499.1</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>41.3°</b>	<b>40.5°</b>	<b>39.0°</b>	<b>38.3°</b>	<b>38.1°</b>	<b>38.6°</b>
Beat VMG	<b>3.29</b>	<b>3.99</b>	<b>4.55</b>	<b>4.91</b>	<b>5.03</b>	<b>5.06</b>	<b>5.11</b>
52°	<b>5.02</b>	<b>5.99</b>	<b>6.63</b>	<b>6.96</b>	<b>7.08</b>	<b>7.13</b>	<b>7.18</b>
60°	<b>5.41</b>	<b>6.41</b>	<b>6.82</b>	<b>7.13</b>	<b>7.29</b>	<b>7.35</b>	<b>7.40</b>
75°	<b>5.90</b>	<b>6.81</b>	<b>7.18</b>	<b>7.35</b>	<b>7.55</b>	<b>7.75</b>	<b>7.90</b>
90°	<b>6.12</b>	<b>6.97</b>	<b>7.41</b>	<b>7.75</b>	<b>7.99</b>	<b>8.18</b>	<b>8.51</b>
110°	<b>5.91</b>	<b>6.91</b>	<b>7.43</b>	<b>7.86</b>	<b>8.38</b>	<b>8.86</b>	<b>9.55</b>
120°	<b>5.69</b>	<b>6.81</b>	<b>7.36</b>	<b>7.91</b>	<b>8.47</b>	<b>8.88</b>	<b>9.97</b>
135°	<b>5.01</b>	<b>6.29</b>	<b>7.07</b>	<b>7.55</b>	<b>8.11</b>	<b>8.74</b>	<b>10.44</b>
150°	<b>4.23</b>	<b>5.32</b>	<b>6.34</b>	<b>6.99</b>	<b>7.33</b>	<b>7.70</b>	<b>8.84</b>
Run VMG	<b>3.66</b>	<b>4.61</b>	<b>5.49</b>	<b>6.06</b>	<b>6.39</b>	<b>6.91</b>	<b>7.65</b>
Gybe Angles	<b>144.0°</b>	<b>147.5°</b>	<b>147.5°</b>	<b>150.5°</b>	<b>174.0°</b>	<b>176.5°</b>	<b>141.5°</b>