



**ORC**

Offshore Racing Congress  
World leader in rating technology

**2020  
ORC Club  
Certificate**

**Rating Office**

**Offshore  
Racing  
Congress**



**Certificate**

Number **C05/20**  
Issued On **05/06/2020**  
ORC Ref **03090000JU3**  
VPP Ver. **2020 1.02**  
Valid until **31/12/2020**

**Crew Weight**

Default 407kg  
Maximum **407kg**  
Minimum\* **305kg**  
*\*when applied by the NoR and SI*  
Non Manual Pwr **No**

**Special Scoring**

	ToD	ToT
Non Spin GPH	<b>760.7</b>	<b>0.7887</b>
Non Spin OSN	<b>734.3</b>	<b>0.8171</b>

**Sails Limitations**

Headsails **5** Spinnakers **4**  
**Woven Polyester**

**Spinnaker configuration**  
Symmetric: **Yes** 47.70  
Asymmetric: **No**  
Flying H/S: **No**  
Spin. Pole: **Yes**

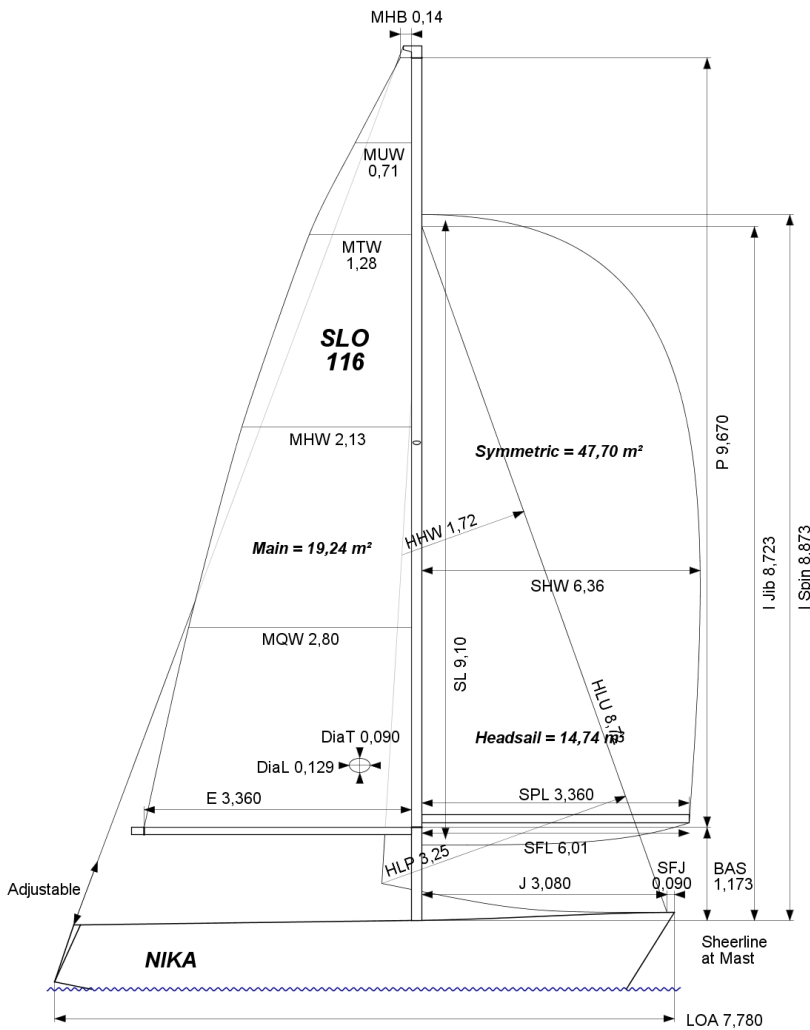
**Class Division Length**

**CDL = 6.623**

**Stability (Estimated)**

Limit Positive Stab.: **122.8°**  
Stability Index: **120.6**

**Owner**



BOAT	GPH	HULL
Name <b>Nika</b> Sail Nr <b>SLO 116</b>	<b>723.1</b>	Data File <b>SLO116</b> LOA <b>7.780m</b> Offset File <b>ELEXPRES.OFF</b> MB <b>2.494m</b> Displacement <b>1,975kg</b> Draft <b>1.445m</b>
<b>CLASS</b> Class <b>Elan Express</b> Designer <b>Norlin</b> Builder <b>Albin</b> Series <b>01/1981</b> Age Date <b>01/1981</b> Age Allowance <b>0.487%</b>		IMS Division <b>Sportboat</b> Dynamic All. <b>0.202%</b> Plan Review Construction <b>Solid</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>6.957m</b> VCGD <b>-0.098m</b> Sink <b>9.43kg/mm</b> RL <b>6.288m</b> VCGM <b>-0.110m</b> WS <b>13.01m<sup>2</sup></b> LSM0 <b>6.914m</b> Displacement/Length ratio <b>5.9756</b>
<b>COMMENTS</b>		Water Ballast <b>0</b> Trim Tab <b>No</b> BLR Index <b>0.0000</b>
<b>PROPELLER</b> Type <b>No Propeller</b>		<b>CENTERBOARD</b>  <b>NA</b>
<b>SCORING OPTIONS</b>		
	<b>COASTAL / LONG DISTANCE</b>	<b>WINDWARD / LEEWARD</b>
Time on Distance	<b>702.2</b>	<b>779.7</b>
Time on Time	<b>0.8545</b>	<b>0.8657</b>
Triple Number	Low Medium High	Low Medium High
Time on Distance	<b>825.0 641.7 573.4</b>	<b>1066.4 781.8 684.2</b>
Time on Time	<b>0.8182 1.0519 1.1772</b>	<b>0.6330 0.8634 0.9866</b>

# 2020

## ORC Club Certificate Appendix

<b>BOAT</b>	
Name <b>Nika</b>	Certificate Number <b>C05/20</b>
Sail Nr <b>SLO 116</b>	Issued On <b>05/06/2020</b>

<b>TIME ALLOWANCES</b>							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	<b>1240.1</b>	<b>1033.6</b>	<b>911.7</b>	<b>842.1</b>	<b>818.6</b>	<b>812.4</b>	<b>816.6</b>
52°	<b>810.6</b>	<b>682.8</b>	<b>624.6</b>	<b>598.2</b>	<b>585.6</b>	<b>580.9</b>	<b>580.1</b>
60°	<b>766.8</b>	<b>651.2</b>	<b>607.5</b>	<b>585.0</b>	<b>570.6</b>	<b>563.5</b>	<b>560.8</b>
75°	<b>736.5</b>	<b>632.5</b>	<b>594.6</b>	<b>572.6</b>	<b>553.4</b>	<b>537.7</b>	<b>524.3</b>
90°	<b>712.5</b>	<b>610.1</b>	<b>573.1</b>	<b>553.0</b>	<b>542.2</b>	<b>525.9</b>	<b>494.7</b>
110°	<b>704.6</b>	<b>602.9</b>	<b>564.7</b>	<b>532.0</b>	<b>504.2</b>	<b>486.7</b>	<b>464.2</b>
120°	<b>729.4</b>	<b>613.0</b>	<b>570.8</b>	<b>537.2</b>	<b>504.6</b>	<b>476.5</b>	<b>438.9</b>
135°	<b>816.4</b>	<b>664.6</b>	<b>592.2</b>	<b>559.2</b>	<b>526.6</b>	<b>495.0</b>	<b>434.4</b>
150°	<b>959.8</b>	<b>764.8</b>	<b>647.2</b>	<b>588.6</b>	<b>558.3</b>	<b>528.1</b>	<b>471.2</b>
Run VMG	<b>1108.2</b>	<b>883.6</b>	<b>743.9</b>	<b>651.9</b>	<b>597.2</b>	<b>566.2</b>	<b>509.6</b>
<b>Selected Courses</b>							
Windward / Leeward	<b>1174.2</b>	<b>958.6</b>	<b>827.8</b>	<b>747.0</b>	<b>707.9</b>	<b>689.3</b>	<b>663.1</b>
Circular Random	<b>991.6</b>	<b>802.8</b>	<b>701.9</b>	<b>643.4</b>	<b>607.6</b>	<b>584.3</b>	<b>554.4</b>
Coastal / Long Distance	<b>1167.6</b>	<b>898.8</b>	<b>749.2</b>	<b>662.3</b>	<b>619.0</b>	<b>585.2</b>	<b>528.6</b>
Non Spinnaker	<b>1058.5</b>	<b>850.0</b>	<b>737.3</b>	<b>671.4</b>	<b>630.9</b>	<b>604.9</b>	<b>573.7</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>43.5°</b>	<b>42.4°</b>	<b>41.3°</b>	<b>38.8°</b>	<b>38.3°</b>	<b>37.9°</b>	<b>39.0°</b>
Beat VMG	<b>2.90</b>	<b>3.48</b>	<b>3.95</b>	<b>4.28</b>	<b>4.40</b>	<b>4.43</b>	<b>4.41</b>
52°	<b>4.44</b>	<b>5.27</b>	<b>5.76</b>	<b>6.02</b>	<b>6.15</b>	<b>6.20</b>	<b>6.21</b>
60°	<b>4.70</b>	<b>5.53</b>	<b>5.93</b>	<b>6.15</b>	<b>6.31</b>	<b>6.39</b>	<b>6.42</b>
75°	<b>4.89</b>	<b>5.69</b>	<b>6.05</b>	<b>6.29</b>	<b>6.51</b>	<b>6.70</b>	<b>6.87</b>
90°	<b>5.05</b>	<b>5.90</b>	<b>6.28</b>	<b>6.51</b>	<b>6.64</b>	<b>6.84</b>	<b>7.28</b>
110°	<b>5.11</b>	<b>5.97</b>	<b>6.38</b>	<b>6.77</b>	<b>7.14</b>	<b>7.40</b>	<b>7.76</b>
120°	<b>4.94</b>	<b>5.87</b>	<b>6.31</b>	<b>6.70</b>	<b>7.13</b>	<b>7.55</b>	<b>8.20</b>
135°	<b>4.41</b>	<b>5.42</b>	<b>6.08</b>	<b>6.44</b>	<b>6.84</b>	<b>7.27</b>	<b>8.29</b>
150°	<b>3.75</b>	<b>4.71</b>	<b>5.56</b>	<b>6.12</b>	<b>6.45</b>	<b>6.82</b>	<b>7.64</b>
Run VMG	<b>3.25</b>	<b>4.07</b>	<b>4.84</b>	<b>5.52</b>	<b>6.03</b>	<b>6.36</b>	<b>7.06</b>
Gybe Angles	<b>147.5°</b>	<b>152.0°</b>	<b>152.5°</b>	<b>168.0°</b>	<b>180.0°</b>	<b>180.0°</b>	<b>180.0°</b>