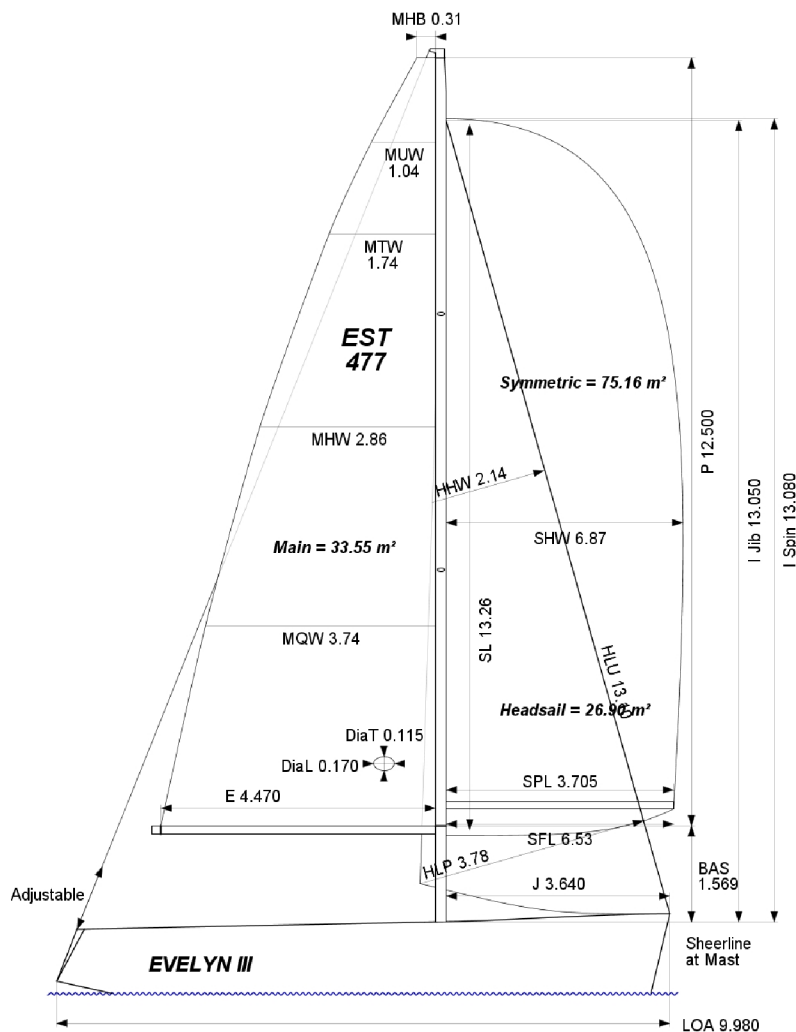




| BOAT          |                         | GPH          | HULL          |                                    |
|---------------|-------------------------|--------------|---------------|------------------------------------|
| Name          | <b>EVELYN III</b>       | <b>645.2</b> | Data File     | <b>EST477</b> LOA <b>9.980m</b>    |
| Sail Nr       | <b>EST 477</b>          |              | Offset File   | <b>F235.OFF</b> MB <b>3.372m</b>   |
|               |                         |              | Displacement  | <b>4,606kg</b> Draft <b>2.000m</b> |
| CLASS         |                         |              |               |                                    |
| Class         | <b>First 34.7</b>       |              |               |                                    |
| Designer      | <b>Farr</b>             |              |               |                                    |
| Builder       | <b>Beneteau</b>         |              |               |                                    |
| Series        | <b>10/2005</b>          |              |               |                                    |
| Age Date      | <b>05/2007</b>          |              |               |                                    |
| Age Allowance | <b>0.487%</b>           |              |               |                                    |
| COMMENTS      |                         |              |               |                                    |
|               |                         |              |               |                                    |
| PROPELLER     |                         | CENTERBOARD  |               |                                    |
| Installation  | <b>Strut</b>            | PRD          | <b>0.410</b>  | <b>N/A</b>                         |
| Type          | <b>Folding 2 blades</b> | PIPA         | <b>0.0030</b> |                                    |

| SCORING OPTIONS  |                         |               |               |                    |               |               |
|------------------|-------------------------|---------------|---------------|--------------------|---------------|---------------|
|                  | COASTAL / LONG DISTANCE |               |               | WINDWARD / LEEWARD |               |               |
| Time on Distance | <b>626.9</b>            |               |               | <b>699.1</b>       |               |               |
| Time on Time     | <b>0.9572</b>           |               |               | <b>0.9655</b>      |               |               |
| Triple Number    | Low                     | Medium        | High          | Low                | Medium        | High          |
| Time on Distance | <b>740.9</b>            | <b>570.9</b>  | <b>509.6</b>  | <b>957.7</b>       | <b>702.0</b>  | <b>610.1</b>  |
| Time on Time     | <b>0.9111</b>           | <b>1.1824</b> | <b>1.3245</b> | <b>0.7048</b>      | <b>0.9616</b> | <b>1.1063</b> |



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Estonia



**ESTONIAN**  
**YACHTING**  
**UNION**

**Certificate**  
Number **079/20**  
Issued On **22/06/2020**  
ORC Ref **03880000L5N**  
VPP Ver. **2020 1.02**  
Valid until **31/12/2020**

**Crew Weight**

|          |              |
|----------|--------------|
| Default  | 588kg        |
| Maximum  | <b>640kg</b> |
| Minimum* | <b>480kg</b> |

\*when applied by the NoR and SI  
Non Manual Pwr **No**

**Special Scoring**

|                           |               |
|---------------------------|---------------|
| ToD                       | ToT           |
| Non Spin GPH <b>677.8</b> | <b>0.8852</b> |
| Non Spin OSN <b>656.6</b> | <b>0.9138</b> |

**Sails Limitations**

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

**Spinnaker configuration**

Symmetric: **Yes** **75.16**  
Asymmetric: **No**  
Flying H/S: **No**  
Spin. Pole: **Yes**

**Class Division Length**

**CDL = 8.563**

**Stability (Measured)**

Limit Positive Stab.: **127.0°**  
Stability Index: **126.6**

BOAT

Name **EVELYN III**  
File **EST477**

Sail Nr **EST 477**  
Data in **meters/kilograms**

RIG

Forestay Tension **Aft**  
Inner Stay **None Fitted**  
Carbon Mast **No**  
Fiber Rigging **No**  
Non-Circular Rigging **No**  
Articulated Bowsprit **No**

Spreaders **2**  
Runners/Checkstays **0**  
Jib Furler **No**  
Main Furler **No**

P **12.500** E **4.470** MDT1 **0.115** MW **0.170**  
IG **13.050** J **3.640** MDL1 **0.170** GO **0.192**  
ISP **13.080** SFJ **0.000** MDT2 **0.115** BD **0.130**  
BAS **1.569** SPL **3.705** MDL2 **0.143** MWT **128.00**  
FSD **0.033** TPS TL **0.550** MCG **4.650**

INCLINING TEST AND FREEBOARDS

Inclining Test **Current Inclining**  
Flotation date **26/09/2019** SG **1.0000**

FFM **1.288** FF **1.297** SFFP **0.172**  
FAM **1.039** FA **1.046** SAFF **9.530**

W1 **60.5** PD1 **499.6** WD **10.560**  
W2 **60.5** PD2 **499.1** GSA **1.0**  
W3 **60.5** PD3 **500.8** RSA **1.0**  
W4 **60.5** PD4 **502.2** PLM **9000.0**

LCF from stem on CL / on sheer **5.376 / 5.613**  
Maximum beam station from stem **6.642**  
RM Measured **100.5kg·m**  
RM Default **99.0kg·m**  
Limit of positive stability / Stab.Index **127.0° / 126.6**  
Freeboard at mast at 3.640 **1.164**

MIZZEN RIG AND SAILS

N/A

PROPELLER

Installation **Strut** PRD **0.410**  
Type **Folding 2 blades** PBW  
Twin Screw **No** PIPA **0.0030**

ST1 **0.035** ST3 **0.180** ST5 **0.280**  
ST2 **0.180** ST4 **0.100** EDL **1.790**

COMMENTS

MOVABLE BALLAST

N/A

CENTERBOARD

N/A

Certificate

Number **079/20**  
ORC Ref **03880000L5N**  
Issued On **22/06/2020**  
VPP Ver. **2020 1.02**  
Valid until **31/12/2020**



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SAILS INVENTORY

MAINSAIL (1)

| Id | MHB  | MUW  | MTW  | MHW  | MQW  | Area  | Measurer | Meas.Date  | Manufacture | Material | Comment            |
|----|------|------|------|------|------|-------|----------|------------|-------------|----------|--------------------|
| 3  | 0.31 | 1.04 | 1.74 | 2.86 | 3.74 | 33.56 |          | 19/06/2020 | North       | Unknown  | 2020 P12.50; E4,47 |

HEADSAILS (4)

| Id | HHB  | HUW  | HTW  | HHW  | HQW  | HLP  | HLU   | Ovrlp | Area  | Btn | Flying | Measurer | Meas.Date  | Manufacture | Material | Comment    |
|----|------|------|------|------|------|------|-------|-------|-------|-----|--------|----------|------------|-------------|----------|------------|
| 5a | 0.12 | 0.65 | 1.20 | 2.14 | 3.00 | 3.78 | 13.10 | 104%  | 26.90 | Y   | No     |          | 19/06/2020 | North       | Unknown  | 2020 light |
| 4  | 0.10 | 0.61 | 1.12 | 2.08 | 2.97 | 3.79 | 13.07 | 104%  | 26.35 |     | No     |          | 18/04/2013 | NorthSails  | Carbon   |            |
| 3a | 0.11 | 0.59 | 1.11 | 2.06 | 2.93 | 3.75 | 12.83 | 103%  | 25.56 | Y   | No     |          | 19/06/2020 | NorthSails  | Carbon   | Medium     |
| 5  | 0.08 | 0.46 | 0.87 | 1.73 | 2.64 | 3.57 | 12.30 | 98%   | 21.73 |     | No     |          | 14/01/2010 | NorthSails  | Carbon   |            |

SYMMETRIC SPINNAKERS (4)

| Id | SLU   | SLE   | SL    | SHW  | SFL  | Area  | Measurer | Meas.Date  | Manufacture | Material | Comment |
|----|-------|-------|-------|------|------|-------|----------|------------|-------------|----------|---------|
| 5a | 13.26 | 13.26 | 13.26 | 6.87 | 6.53 | 75.17 |          | 19/06/2020 | North Sails | Unknown  | S2      |
| 6a | 13.27 | 13.27 | 13.27 | 6.72 | 6.64 | 74.14 |          | 19/06/2020 | North Sails | Unknown  | S1,5    |
| 4a | 13.22 | 13.22 | 13.22 | 6.62 | 6.53 | 72.74 |          | 19/06/2020 | NorthSails  | Unknown  | S3 2012 |
| 3  | 12.98 | 12.98 | 12.98 | 6.62 | 6.60 | 71.57 |          | 14/04/2007 |             | Unknown  | hard    |

ASYMMETRIC SPINNAKERS (0)

| Id | SLU | SLE | SL | SHW | SFL | Area | Kind | Measurer | Meas.Date | Manufacture | Material | Comment |
|----|-----|-----|----|-----|-----|------|------|----------|-----------|-------------|----------|---------|
|----|-----|-----|----|-----|-----|------|------|----------|-----------|-------------|----------|---------|

MEASUREMENT INVENTORY

Measurer **EST7**  
Date **26/09/2019**  
Comment **Pirita**  
**Internal Ballast total = 0.0**

| Id | Item   | Weight | Distance    | VCG | Description |
|----|--------|--------|-------------|-----|-------------|
| Id | Item   | Maker  | Model       |     |             |
| 1  | Engine | YANMAR | 3YM20       |     |             |
| Id | Item   | Weight | Description |     |             |

MEASUREMENT INVENTORY

| Id | Item    | Tank Use | Tank Type | Capc'ty                         | Dist.       | VCG | Condn | Description      |
|----|---------|----------|-----------|---------------------------------|-------------|-----|-------|------------------|
| 2  | Tank    | Fuel     | Plastic   | 60.0                            | 7.55        |     | 5-0   | Diesel fuel tank |
| 1  | Tank    | water    | Plastic   | 100.0                           | 4.00        |     | 0-0   | Fresh water tank |
| Id | Item    | Weight   | Distance  | VCG                             | Description |     |       |                  |
| 2  | Battery |          | 4.00      | 100ah                           |             |     |       |                  |
| 1  | Battery |          | 3.65      | 75ah                            |             |     |       |                  |
| 3  | Misc    | 10.0     | 8.55      | Autopilot, portside             |             |     |       |                  |
| 2  | Misc    | 10.0     | 8.00      | Shore Power Socket, starboard   |             |     |       |                  |
| 1  | Misc    | 15.0     | 7.05      | Water heater Quick 25, portside |             |     |       |                  |

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# 2020

## ORC Club Certificate Appendix

| BOAT    |                   |                    |                   |
|---------|-------------------|--------------------|-------------------|
| Name    | <b>EVELYN III</b> | Certificate Number | <b>079/20</b>     |
| Sail Nr | <b>EST 477</b>    | Issued On          | <b>22/06/2020</b> |

| TIME ALLOWANCES         |               |              |              |              |              |              |              |
|-------------------------|---------------|--------------|--------------|--------------|--------------|--------------|--------------|
| Wind Velocity           | 6 kt          | 8 kt         | 10 kt        | 12 kt        | 14 kt        | 16 kt        | 20 kt        |
| Beat VMG                | <b>1096.9</b> | <b>911.0</b> | <b>801.3</b> | <b>745.2</b> | <b>727.6</b> | <b>721.5</b> | <b>713.6</b> |
| 52°                     | <b>714.2</b>  | <b>603.4</b> | <b>545.4</b> | <b>521.1</b> | <b>511.5</b> | <b>507.9</b> | <b>504.6</b> |
| 60°                     | <b>673.9</b>  | <b>573.8</b> | <b>529.3</b> | <b>508.6</b> | <b>497.6</b> | <b>493.0</b> | <b>491.0</b> |
| 75°                     | <b>645.3</b>  | <b>553.4</b> | <b>517.4</b> | <b>497.7</b> | <b>482.6</b> | <b>471.1</b> | <b>461.7</b> |
| 90°                     | <b>653.5</b>  | <b>550.7</b> | <b>508.4</b> | <b>489.4</b> | <b>478.0</b> | <b>461.3</b> | <b>435.7</b> |
| 110°                    | <b>652.6</b>  | <b>542.6</b> | <b>502.0</b> | <b>476.3</b> | <b>452.6</b> | <b>435.9</b> | <b>415.9</b> |
| 120°                    | <b>672.8</b>  | <b>554.8</b> | <b>507.6</b> | <b>480.9</b> | <b>455.3</b> | <b>431.2</b> | <b>396.1</b> |
| 135°                    | <b>743.5</b>  | <b>605.0</b> | <b>531.0</b> | <b>498.5</b> | <b>473.8</b> | <b>448.7</b> | <b>402.0</b> |
| 150°                    | <b>879.6</b>  | <b>699.3</b> | <b>591.3</b> | <b>528.8</b> | <b>499.0</b> | <b>475.9</b> | <b>430.3</b> |
| Run VMG                 | <b>1015.6</b> | <b>807.5</b> | <b>682.0</b> | <b>600.1</b> | <b>543.5</b> | <b>508.5</b> | <b>463.0</b> |
| Selected Courses        |               |              |              |              |              |              |              |
| Windward / Leeward      | <b>1056.3</b> | <b>859.2</b> | <b>741.7</b> | <b>672.7</b> | <b>635.5</b> | <b>615.0</b> | <b>588.3</b> |
| Circular Random         | <b>889.0</b>  | <b>717.7</b> | <b>625.9</b> | <b>572.8</b> | <b>540.4</b> | <b>519.3</b> | <b>492.2</b> |
| Coastal / Long Distance | <b>1052.2</b> | <b>806.3</b> | <b>669.0</b> | <b>590.3</b> | <b>551.2</b> | <b>520.6</b> | <b>469.6</b> |
| Non Spinnaker           | <b>947.5</b>  | <b>759.0</b> | <b>656.6</b> | <b>596.7</b> | <b>560.0</b> | <b>536.4</b> | <b>507.3</b> |

| Velocity Prediction in Knots for True Wind Speeds |               |               |               |               |               |               |               |
|---------------------------------------------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|
| 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>41.3°</b>  | <b>39.8°</b>  | <b>39.0°</b>  | <b>39.4°</b>  | <b>39.4°</b>  |
| Beat VMG                                          | <b>3.28</b>   | <b>3.95</b>   | <b>4.49</b>   | <b>4.83</b>   | <b>4.95</b>   | <b>4.99</b>   | <b>5.04</b>   |
| 52°                                               | <b>5.04</b>   | <b>5.97</b>   | <b>6.60</b>   | <b>6.91</b>   | <b>7.04</b>   | <b>7.09</b>   | <b>7.13</b>   |
| 60°                                               | <b>5.34</b>   | <b>6.27</b>   | <b>6.80</b>   | <b>7.08</b>   | <b>7.23</b>   | <b>7.30</b>   | <b>7.33</b>   |
| 75°                                               | <b>5.58</b>   | <b>6.51</b>   | <b>6.96</b>   | <b>7.23</b>   | <b>7.46</b>   | <b>7.64</b>   | <b>7.80</b>   |
| 90°                                               | <b>5.51</b>   | <b>6.54</b>   | <b>7.08</b>   | <b>7.36</b>   | <b>7.53</b>   | <b>7.80</b>   | <b>8.26</b>   |
| 110°                                              | <b>5.52</b>   | <b>6.64</b>   | <b>7.17</b>   | <b>7.56</b>   | <b>7.95</b>   | <b>8.26</b>   | <b>8.66</b>   |
| 120°                                              | <b>5.35</b>   | <b>6.49</b>   | <b>7.09</b>   | <b>7.49</b>   | <b>7.91</b>   | <b>8.35</b>   | <b>9.09</b>   |
| 135°                                              | <b>4.84</b>   | <b>5.95</b>   | <b>6.78</b>   | <b>7.22</b>   | <b>7.60</b>   | <b>8.02</b>   | <b>8.96</b>   |
| 150°                                              | <b>4.09</b>   | <b>5.15</b>   | <b>6.09</b>   | <b>6.81</b>   | <b>7.21</b>   | <b>7.56</b>   | <b>8.37</b>   |
| Run VMG                                           | <b>3.54</b>   | <b>4.46</b>   | <b>5.28</b>   | <b>6.00</b>   | <b>6.62</b>   | <b>7.08</b>   | <b>7.78</b>   |
| Gybe Angles                                       | <b>145.5°</b> | <b>150.0°</b> | <b>151.0°</b> | <b>158.0°</b> | <b>180.0°</b> | <b>180.0°</b> | <b>180.0°</b> |