



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

**2020**  
**ORC Club**  
**Certificate**

**Rating Office**

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



**Certificate**

Number **EST678**  
Issued On **27/05/2020**  
ORC Ref **03580000J07**  
VPP Ver. **2020 1.02**  
Valid until **31/12/2020**

**Crew Weight**

Default 622kg  
Maximum **705kg**  
Minimum\* **529kg**  
*\*when applied by the NoR and SI*  
Non Manual Pwr **No**

**Special Scoring**

	ToD	ToT
Non Spin GPH	<b>659.0</b>	<b>0.9105</b>
Non Spin OSN	<b>638.5</b>	<b>0.9397</b>

**Sails Limitations**

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

**Spinnaker configuration**

Symmetric: **Yes** 90.42  
Asymmetric: **Yes** 100.85  
Flying H/S: **No**  
Spin. Pole: **Yes**

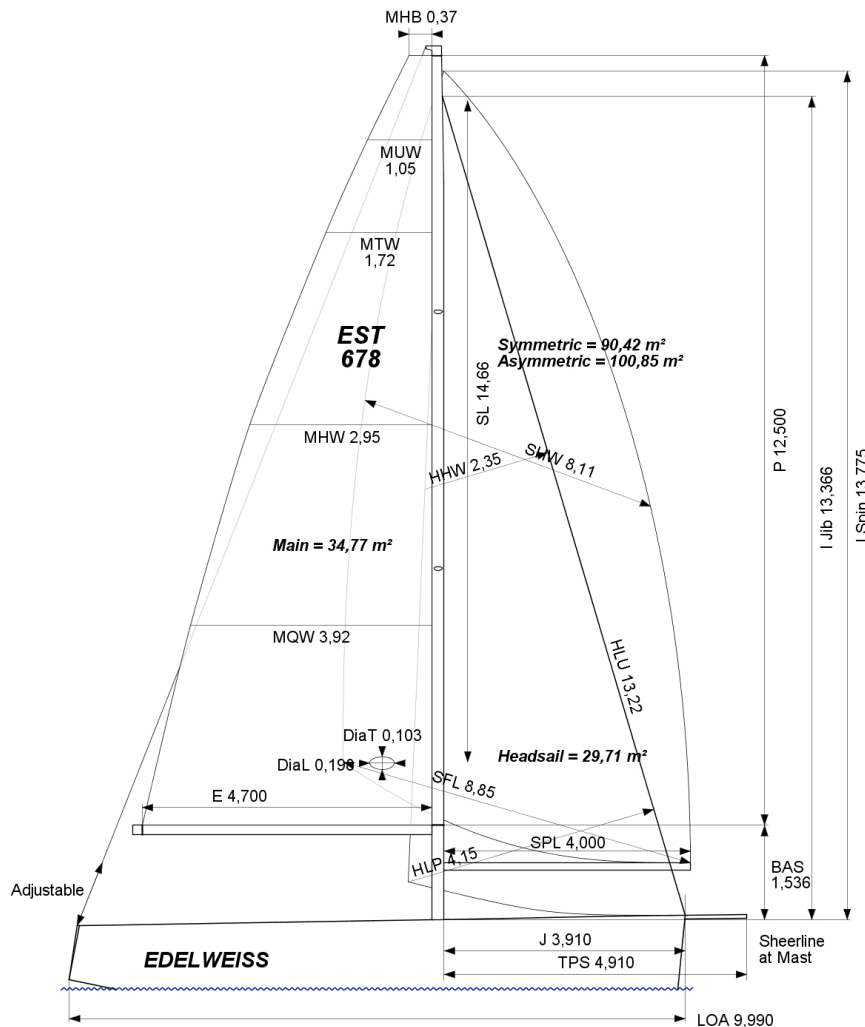
**Class Division Length**

**CDL = 9.093**

**Stability (Estimated)**

Limit Positive Stab.: **124.3°**  
Stability Index: **124.6**

**Owner**



BOAT		GPH		HULL		
Name <b>EdelWeiss</b> Sail Nr <b>EST 678</b>		<b>619.4</b>		Data File <b>EST0678</b>	LOA <b>9.990m</b>	
				Offset File <b>T34-VER.OFF</b>	MB <b>3.296m</b>	
				Displacement <b>4,495kg</b>	Draft <b>2.265m</b>	
<b>CLASS</b>				IMS Division <b>Cruiser/Racer</b>	Dynamic All. <b>0.148%</b>	
Class <b>T-34</b>				Plan Review	Construction <b>Cored</b>	
Designer <b>Lostuzzi design</b>				Fiber Rigging <b>No</b>	Aramid Core <b>No</b>	
Builder <b>T-Yachts</b>				Crew Arm Ex	Carbon Rudder <b>Yes</b>	
Series <b>04/2009</b>					Light Stanchions <b>No</b>	
Age Date <b>06/2009</b>				IMSL <b>9.446m</b>	VCGD <b>0.007m</b>	
Age Allowance <b>0.357%</b>				RL <b>8.738m</b>	VCGM <b>-0.058m</b>	
				WS <b>22.89m²</b>		
<b>COMMENTS</b>				LSM0 <b>9.317m</b>	Displacement/Length ratio <b>5.5578</b>	
				Water Ballast <b>0</b>	Trim Tab <b>No</b>	
				BLR Index <b>0.0000</b>		
<b>PROPELLER</b>				<b>CENTERBOARD</b>		
Installation <b>Strut</b>	PRD <b>0.382</b>	<b>N/A</b>				
Type <b>Folding 3 blades</b>	PBW <b>0.098</b>					
	PIPA <b>0.0036</b>					
<b>SCORING OPTIONS</b>						
	<b>COASTAL / LONG DISTANCE</b>			<b>WINDWARD / LEEWARD</b>		
Time on Distance	<b>601.9</b>			<b>670.5</b>		
Time on Time	<b>0.9969</b>			<b>1.0067</b>		
Triple Number	Low	Medium	High	Low	Medium	High
Time on Distance	<b>707.8</b>	<b>549.2</b>	<b>489.7</b>	<b>915.8</b>	<b>672.3</b>	<b>586.0</b>
Time on Time	<b>0.9536</b>	<b>1.2290</b>	<b>1.3784</b>	<b>0.7371</b>	<b>1.0040</b>	<b>1.1518</b>

# 2020

## ORC Club Certificate Appendix

<b>BOAT</b>	
Name <b>EdeIWeiss</b>	Certificate Number <b>EST678</b>
Sail Nr <b>EST 678</b>	Issued On <b>27/05/2020</b>

<b>TIME ALLOWANCES</b>							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	<b>1051.1</b>	<b>871.7</b>	<b>765.6</b>	<b>714.3</b>	<b>698.5</b>	<b>692.4</b>	<b>681.3</b>
52°	<b>688.6</b>	<b>582.1</b>	<b>528.9</b>	<b>507.2</b>	<b>499.6</b>	<b>496.2</b>	<b>491.5</b>
60°	<b>651.2</b>	<b>556.5</b>	<b>515.5</b>	<b>496.0</b>	<b>486.4</b>	<b>482.2</b>	<b>478.7</b>
75°	<b>624.7</b>	<b>538.7</b>	<b>505.3</b>	<b>485.6</b>	<b>470.2</b>	<b>459.3</b>	<b>451.5</b>
90°	<b>622.5</b>	<b>526.6</b>	<b>493.1</b>	<b>480.3</b>	<b>465.2</b>	<b>447.1</b>	<b>421.8</b>
110°	<b>612.6</b>	<b>518.2</b>	<b>483.2</b>	<b>457.2</b>	<b>436.7</b>	<b>423.4</b>	<b>400.6</b>
120°	<b>629.6</b>	<b>526.4</b>	<b>488.0</b>	<b>459.3</b>	<b>431.2</b>	<b>406.4</b>	<b>376.8</b>
135°	<b>699.6</b>	<b>568.3</b>	<b>507.6</b>	<b>477.8</b>	<b>449.6</b>	<b>421.8</b>	<b>364.1</b>
150°	<b>838.1</b>	<b>669.0</b>	<b>564.3</b>	<b>506.9</b>	<b>479.3</b>	<b>453.5</b>	<b>402.7</b>
Run VMG	<b>967.7</b>	<b>772.5</b>	<b>651.6</b>	<b>573.6</b>	<b>524.9</b>	<b>492.6</b>	<b>443.6</b>
<b>Selected Courses</b>							
Windward / Leeward	<b>1009.4</b>	<b>822.1</b>	<b>708.6</b>	<b>643.9</b>	<b>611.7</b>	<b>592.5</b>	<b>562.4</b>
Circular Random	<b>850.4</b>	<b>687.9</b>	<b>601.1</b>	<b>550.8</b>	<b>519.8</b>	<b>499.0</b>	<b>470.4</b>
Coastal / Long Distance	<b>1005.2</b>	<b>771.6</b>	<b>640.9</b>	<b>567.7</b>	<b>530.8</b>	<b>500.6</b>	<b>451.0</b>
Non Spinnaker	<b>921.2</b>	<b>737.9</b>	<b>638.4</b>	<b>580.1</b>	<b>544.1</b>	<b>520.6</b>	<b>490.3</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>40.1°</b>	<b>38.3°</b>	<b>37.7°</b>	<b>37.9°</b>	<b>37.9°</b>
Beat VMG	<b>3.42</b>	<b>4.13</b>	<b>4.70</b>	<b>5.04</b>	<b>5.15</b>	<b>5.20</b>	<b>5.28</b>
52°	<b>5.23</b>	<b>6.18</b>	<b>6.81</b>	<b>7.10</b>	<b>7.21</b>	<b>7.26</b>	<b>7.32</b>
60°	<b>5.53</b>	<b>6.47</b>	<b>6.98</b>	<b>7.26</b>	<b>7.40</b>	<b>7.47</b>	<b>7.52</b>
75°	<b>5.76</b>	<b>6.68</b>	<b>7.12</b>	<b>7.41</b>	<b>7.66</b>	<b>7.84</b>	<b>7.97</b>
90°	<b>5.78</b>	<b>6.84</b>	<b>7.30</b>	<b>7.50</b>	<b>7.74</b>	<b>8.05</b>	<b>8.54</b>
110°	<b>5.88</b>	<b>6.95</b>	<b>7.45</b>	<b>7.87</b>	<b>8.24</b>	<b>8.50</b>	<b>8.99</b>
120°	<b>5.72</b>	<b>6.84</b>	<b>7.38</b>	<b>7.84</b>	<b>8.35</b>	<b>8.86</b>	<b>9.55</b>
135°	<b>5.15</b>	<b>6.33</b>	<b>7.09</b>	<b>7.53</b>	<b>8.01</b>	<b>8.53</b>	<b>9.89</b>
150°	<b>4.30</b>	<b>5.38</b>	<b>6.38</b>	<b>7.10</b>	<b>7.51</b>	<b>7.94</b>	<b>8.94</b>
Run VMG	<b>3.72</b>	<b>4.66</b>	<b>5.52</b>	<b>6.28</b>	<b>6.86</b>	<b>7.31</b>	<b>8.12</b>
Gybe Angles	<b>139.0°</b>	<b>148.0°</b>	<b>149.0°</b>	<b>158.0°</b>	<b>180.0°</b>	<b>180.0°</b>	<b>180.0°</b>