



World Leader in Rating Technology

## 2018 ORC Club Certificate

### Rating Office

EYU  
Regati 1  
11911, Tallinn  
Estonia

### Certificate

Number **EST031**  
Issued On **5/16/2018**  
ORC Ref **EST0000115**  
VPP Ver. **2018 1.00**  
Valid until **12/31/2018**

### Crew Weight

Default	529kg
Maximum	<b>540kg</b>
Minimum*	<b>405kg</b>
<small>*when applied by the NoR and SI</small>	
Non Manual Pwr	<b>No</b>

### Special Scoring

	ToD	ToT
Double H.GPH	<b>657.3</b>	<b>0.9128</b>
Double H.OSN	<b>639.1</b>	<b>0.9388</b>
Non Spin GPH	<b>679.8</b>	<b>0.8826</b>
Non Spin OSN	<b>657.6</b>	<b>0.9124</b>

### Sails Limitations

Headsails **5** Spinnakers **3**

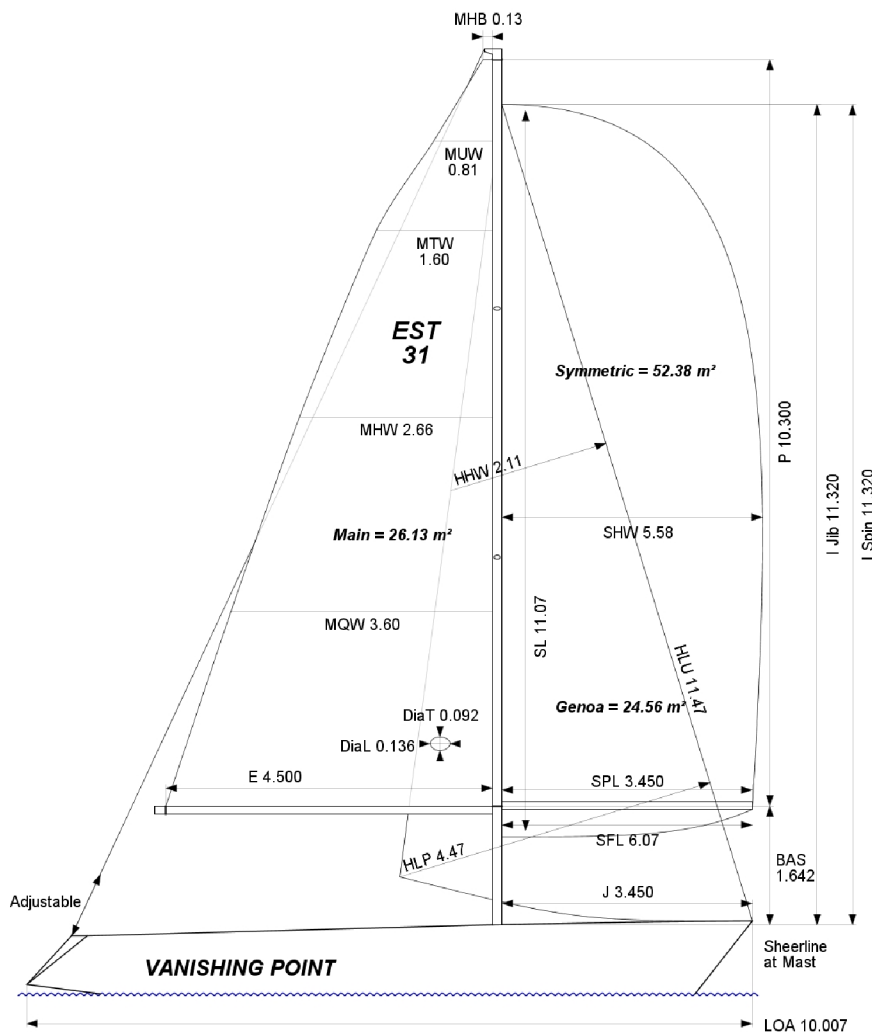
**Spinnaker configuration**  
Symmetric: **Yes** **52.38**  
Asymmetric: **No**  
Flying H/S: **No**  
Spin. Pole: **Yes**

### Class Division Length

**CDL = 8.373**

### Stability (Measured)

Limit Positive Stab.: **116.4°**  
Stability Index: **113.5**



BOAT	GPH	HULL
Name <b>VANISHING POINT</b> Sail Nr <b>EST-31</b>	<b>651.9</b>	Data File <b>Est0031</b> LOA <b>10.007m</b> Offset File <b>H012.BOF</b> MB <b>2.992m</b> Displacement <b>2,876kg</b> Draft <b>1.780m</b>
<b>CLASS</b> Class <b>X-99</b> Designer <b>NIELS JEPPESEN</b> Builder <b>X-YACHTS</b> Series <b>04/1985</b> Age Date <b>01/1986</b> Age Allowance <b>0.487%</b>		IMS Division <b>Cruiser/Racer</b> Dynamic All. <b>0.238%</b> Fwd Accom. <b>No</b> 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>COMMENTS</b>		IMSL <b>8.609m</b> VCGD <b>-0.103m</b> Sink <b>13.45kg/mm</b> RL <b>8.136m</b> VCGM <b>-0.043m</b> WS <b>18.14m²</b> LSM0 <b>8.310m</b> Displacement/Length ratio <b>5.0117</b>
<b>PROPELLER</b> Type <b>No Propeller</b>		Water Ballast <b>0</b> Trim Tab <b>No</b> BLR Index <b>0.0000</b>
		<b>CENTERBOARD</b>  N/A
<b>SCORING OPTIONS</b>		
	<b>COASTAL / LONG DISTANCE</b>	<b>WINDWARD / LEEWARD</b>
Time on Distance	<b>631.3</b>	<b>704.9</b>
Time on Time	<b>0.9504</b>	<b>0.9576</b>
Triple Number	Low Medium High	Low Medium High
Time on Distance	<b>756.0</b> <b>575.0</b> <b>507.1</b>	<b>977.3</b> <b>707.3</b> <b>612.4</b>
Time on Time	<b>0.8929</b> <b>1.1739</b> <b>1.3312</b>	<b>0.6907</b> <b>0.9544</b> <b>1.1022</b>

<b>BOAT</b>	
Name <b>VANISHING POINT</b>	Sail Nr <b>EST-31</b>
File <b>Est0031</b>	Data in <b>meters/kilograms</b>

<b>INCLINING TEST AND FREEBOARDS</b>			
Inclining Test <b>Current Inclining</b>			
Flotation date <b>29/07/2015</b>		SG <b>1.0020</b>	
FFM <b>1.000</b>	FF <b>1.006</b>	SFFP <b>0.303</b>	
FAM <b>0.805</b>	FA <b>0.809</b>	SAFP <b>9.175</b>	
W1 <b>41.0</b>	PD1 <b>222.0</b>	WD <b>9.370</b>	
W2 <b>41.0</b>	PD2 <b>220.0</b>	GSA <b>12.6</b>	
W3 <b>41.0</b>	PD3 <b>223.0</b>	RSA <b>4298.7</b>	
W4 <b>41.0</b>	PD4 <b>220.0</b>	PLM <b>2005.0</b>	
LCF from stem on CL / on sheer		<b>5.442 / 5.607</b>	
Maximum beam station from stem		<b>6.027</b>	
RM Measured		<b>60.7kg·m</b>	
RM Default		<b>60.4kg·m</b>	
Limit of positive stability / Stab.Index		<b>116.4° / 113.5</b>	
Freeboard at mast at 3.450		<b>0.955</b>	



**2018**  
Measurements  
Datasheet

<b>RIG</b>			
Forestay Tension <b>Aft</b>	Spreaders <b>2</b>		
Inner Stay <b>None Fitted</b>	Runners <b>0</b>		
Carbon Mast <b>No</b>	Jumper Struts <b>None</b>		
Taper Hollows <b>No</b>	Jib Furler <b>No</b>		
Fiber Rigging <b>No</b>	Main Furler <b>No</b>		
Lenticular Rigging <b>No</b>	Without Backstay <b>No</b>		
Articulated Bowsprit <b>No</b>			
P <b>10.300</b>	E <b>4.500</b>	MDT1 <b>0.092</b>	MW <b>0.136</b>
IG <b>11.320</b>	J <b>3.450</b>	MDL1 <b>0.136</b>	GO <b>0.136</b>
ISP <b>11.320</b>	SFJ <b>0.000</b>	MDT2 <b>0.092</b>	BD <b>0.110</b>
BAS <b>1.642</b>	SPL <b>3.450</b>	MDL2 <b>0.136</b>	MWT <b>77.60</b>
FSP <b>0.000</b>	TPS	TL <b>0.000</b>	MCG <b>3.950</b>

<b>MIZZEN RIG AND SAILS</b>	
N/A	

<b>PROPELLER</b>	
Type <b>No Propeller</b>	

<b>Certificate</b>	
Number <b>EST031</b>	
ORC Ref <b>EST00000115</b>	
Issued On <b>5/16/2018</b>	
VPP Ver. <b>2018 1.00</b>	
Valid until <b>12/31/2018</b>	

<b>COMMENTS</b>	

<b>MOVABLE BALLAST</b>	
N/A	

<b>CENTERBOARD</b>	
N/A	

<b>SAILS INVENTORY</b>																
<b>MAINSAIL (1)</b>																
Id	MHB	MUW	MTW	MHW	MQW	Area	Measurer	Meas.Date	Manufacture	Material	Comment					
3	0.130	0.81	1.60	2.66	3.60	26.13	EST 5	05/05/2018		Unknown						
<b>HEADSAILS (1)</b>																
Id	HHB	HUW	HTW	HHW	HQW	HLP	HLU	Ovrlp	Area	Btn	Fly	Measurer	Meas.Date	Manufacture	Material	Comment
4	0.07	0.54	1.03	2.11	3.12	4.47	11.47	130%	24.57			EST 5	15/05/2018		Unknow	
<b>SYMMETRIC SPINNAKERS (1)</b>																
Id	SLU	SLE	SL	SHW	SFL	Area	Measurer	Meas.Date	Manufacture	Material	Comment					
2	11.07	11.07	11.07	5.58	6.07	52.38	EST 5	15/05/2018		Unknown						
<b>ASYMMETRIC SPINNAKERS (0)</b>																
Id	SLU	SLE	SL	SHW	SFL	Area	Kind	Measurer	Meas.Date	Manufacture	Material	Comment				



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## ORC Club Certificate Appendix

<b>BOAT</b>			
Name	<b>VANISHING POINT</b>	Certificate Number	<b>EST031</b>
Sail Nr	<b>EST-31</b>	Issued On	<b>5/16/2018</b>

<b>TIME ALLOWANCES</b>							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	<b>1101.7</b>	<b>904.4</b>	<b>791.0</b>	<b>740.3</b>	<b>723.4</b>	<b>716.7</b>	<b>713.6</b>
52°	<b>722.1</b>	<b>600.8</b>	<b>545.3</b>	<b>524.2</b>	<b>515.7</b>	<b>511.5</b>	<b>510.2</b>
60°	<b>683.2</b>	<b>574.5</b>	<b>531.1</b>	<b>511.3</b>	<b>500.0</b>	<b>494.4</b>	<b>490.9</b>
75°	<b>654.8</b>	<b>557.6</b>	<b>520.8</b>	<b>497.9</b>	<b>479.4</b>	<b>466.2</b>	<b>455.9</b>
90°	<b>663.1</b>	<b>560.4</b>	<b>516.0</b>	<b>491.8</b>	<b>472.3</b>	<b>451.2</b>	<b>423.2</b>
110°	<b>678.3</b>	<b>557.0</b>	<b>510.8</b>	<b>478.4</b>	<b>448.8</b>	<b>425.4</b>	<b>398.8</b>
120°	<b>700.2</b>	<b>570.8</b>	<b>517.9</b>	<b>485.6</b>	<b>453.8</b>	<b>423.8</b>	<b>374.6</b>
135°	<b>778.3</b>	<b>626.6</b>	<b>545.6</b>	<b>508.7</b>	<b>478.8</b>	<b>448.3</b>	<b>387.7</b>
150°	<b>923.5</b>	<b>724.4</b>	<b>608.8</b>	<b>541.6</b>	<b>508.3</b>	<b>480.5</b>	<b>425.0</b>
Run VMG	<b>1066.4</b>	<b>836.5</b>	<b>702.0</b>	<b>615.5</b>	<b>556.0</b>	<b>518.4</b>	<b>464.7</b>
<b>Selected Courses</b>							
Windward / Leeward	<b>1084.0</b>	<b>870.4</b>	<b>746.5</b>	<b>677.9</b>	<b>639.7</b>	<b>617.5</b>	<b>589.1</b>
Circular Random	<b>906.2</b>	<b>728.0</b>	<b>631.9</b>	<b>575.8</b>	<b>540.9</b>	<b>517.6</b>	<b>486.9</b>
Coastal / Long Distance	<b>1082.2</b>	<b>817.9</b>	<b>674.4</b>	<b>594.4</b>	<b>552.5</b>	<b>518.6</b>	<b>461.3</b>
Non Spinnaker	<b>955.6</b>	<b>763.0</b>	<b>658.2</b>	<b>596.7</b>	<b>558.4</b>	<b>533.1</b>	<b>499.9</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>40.7°</b>	<b>39.0°</b>	<b>38.4°</b>	<b>38.2°</b>	<b>38.3°</b>
Beat VMG	<b>3.27</b>	<b>3.98</b>	<b>4.55</b>	<b>4.86</b>	<b>4.98</b>	<b>5.02</b>	<b>5.04</b>
52°	<b>4.99</b>	<b>5.99</b>	<b>6.60</b>	<b>6.87</b>	<b>6.98</b>	<b>7.04</b>	<b>7.06</b>
60°	<b>5.27</b>	<b>6.27</b>	<b>6.78</b>	<b>7.04</b>	<b>7.20</b>	<b>7.28</b>	<b>7.33</b>
75°	<b>5.50</b>	<b>6.46</b>	<b>6.91</b>	<b>7.23</b>	<b>7.51</b>	<b>7.72</b>	<b>7.90</b>
90°	<b>5.43</b>	<b>6.42</b>	<b>6.98</b>	<b>7.32</b>	<b>7.62</b>	<b>7.98</b>	<b>8.51</b>
110°	<b>5.31</b>	<b>6.46</b>	<b>7.05</b>	<b>7.53</b>	<b>8.02</b>	<b>8.46</b>	<b>9.03</b>
120°	<b>5.14</b>	<b>6.31</b>	<b>6.95</b>	<b>7.41</b>	<b>7.93</b>	<b>8.49</b>	<b>9.61</b>
135°	<b>4.63</b>	<b>5.75</b>	<b>6.60</b>	<b>7.08</b>	<b>7.52</b>	<b>8.03</b>	<b>9.28</b>
150°	<b>3.90</b>	<b>4.97</b>	<b>5.91</b>	<b>6.65</b>	<b>7.08</b>	<b>7.49</b>	<b>8.47</b>
Run VMG	<b>3.38</b>	<b>4.30</b>	<b>5.13</b>	<b>5.85</b>	<b>6.47</b>	<b>6.94</b>	<b>7.75</b>
Gybe Angles	<b>145.9°</b>	<b>149.5°</b>	<b>151.5°</b>	<b>157.8°</b>	<b>180.0°</b>	<b>180.0°</b>	<b>180.0°</b>