



**ORC**

Offshore Racing Congress  
World leader in rating technology

**2019**  
**ORC Club**  
**Certificate**

**Rating Office**

EYU  
Purje 8  
11911, Tallinn  
Estonia

**Certificate**

Number **EST850**  
Issued On **8/25/2019**  
ORC Ref **EST00000855**  
VPP Ver. **2019 1.01**  
Valid until **12/31/2019**

**Crew Weight**

Default 684kg  
Maximum **765kg**  
Minimum\* **574kg**  
*\*when applied by the NoR and SI*  
Non Manual Pwr **No**

**Special Scoring**

	ToD	ToT
Double H.GPH	611.7	0.9809
Double H.OSN	596.8	1.0053
Non Spin GPH	635.6	0.9440
Non Spin OSN	617.4	0.9718

**Sails Limitations**

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

**Asymmetric on centerline**

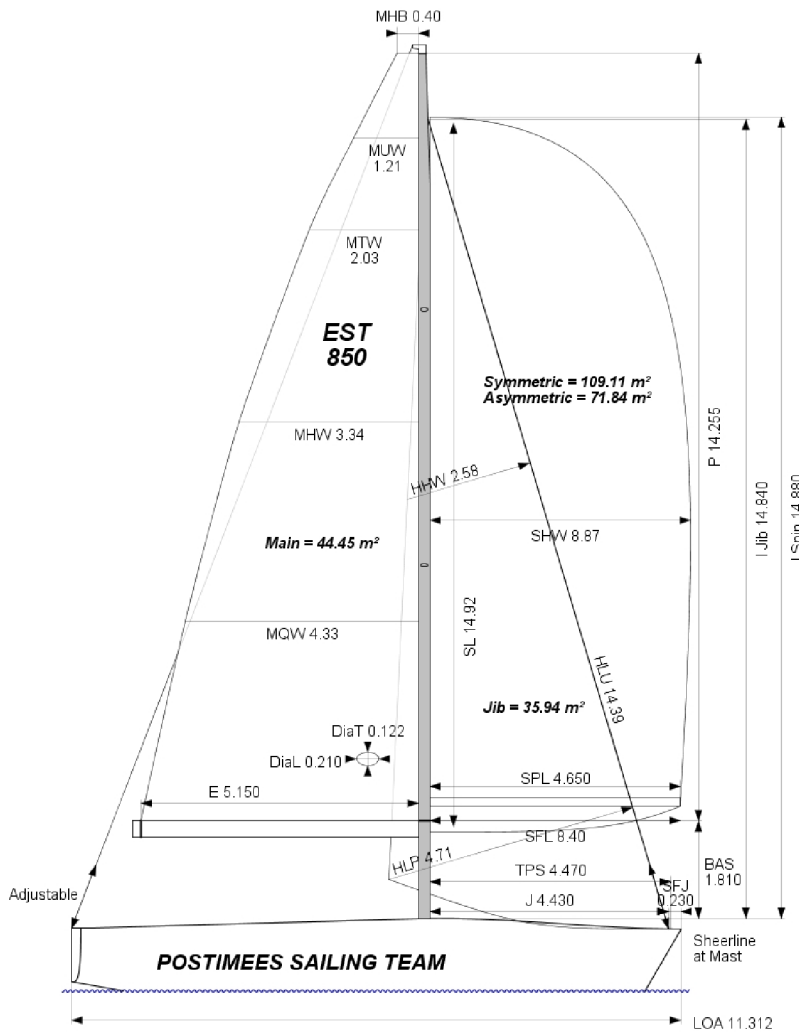
**Spinnaker configuration**  
Symmetric: **Yes** 109.11  
Asymmetric: **Yes** 82.30  
Flying H/S: **No**  
Spin. Pole: **Yes**

**Class Division Length**

**CDL = 9.561**

**Stability (Measured)**

Limit Positive Stab.: **120.0°**  
Stability Index: **119.5**



BOAT		GPH		HULL		
Name <b>POSTIMEES SAILING TEAM</b> Sail Nr <b>EST 850</b>		<b>601.9</b>		Data File <b>Est0850</b>	LOA <b>11.312m</b>	
				Offset File <b>est850.off</b>	MB <b>3.640m</b>	
				Displacement <b>5,927kg</b>	Draft <b>1.987m</b>	
<b>CLASS</b>		<b>IMS Division Cruiser/Racer</b> Dynamic All. <b>0.083%</b>				
Class <b>ONE OFF</b>		Fwd Accom. <b>Yes</b> Construction <b>Cored</b>				
Designer <b>CYD</b>		Fiber Rigging <b>No</b> Aramid Core <b>No</b>				
Builder <b>RIDAS YACHT OÜ</b>		Crew Arm Ex Carbon Rudder <b>Yes</b>				
Series <b>04/2018</b>		Light Stanchions <b>No</b>				
Age Date <b>04/2018</b>		<b>IMSL 10.171m</b> VCGD <b>0.016m</b> Sink <b>21.07kg/mm</b>				
Age Allowance <b>0.033%</b>		<b>RL 8.950m</b> VCGM <b>0.080m</b> WS <b>27.34m²</b>				
		<b>LSM0 9.959m</b> Displacement/Length ratio <b>6.0005</b>				
<b>COMMENTS</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>0.405</b>				
Type <b>Folding 2 blades</b>		PBW <b>0.106</b>				
		PIPA <b>0.0036</b>				
		<b>N/A</b>				
<b>SCORING OPTIONS</b>						
	<b>COASTAL / LONG DISTANCE</b>			<b>WINDWARD / LEEWARD</b>		
Time on Distance	<b>585.6</b>			<b>656.9</b>		
Time on Time	<b>1.0247</b>			<b>1.0275</b>		
Triple Number	Low	Medium	High	Low	Medium	High
Time on Distance	<b>691.2</b>	<b>532.7</b>	<b>475.0</b>	<b>896.3</b>	<b>658.7</b>	<b>574.9</b>
Time on Time	<b>0.9766</b>	<b>1.2671</b>	<b>1.4211</b>	<b>0.7531</b>	<b>1.0248</b>	<b>1.1742</b>

<b>BOAT</b>	
Name <b>POSTIMEES</b>	Sail Nr <b>EST 850</b>
File <b>Est0850</b>	Data in <b>meters/kilograms</b>

<b>INCLINING TEST AND FREEBOARDS</b>			
Inclining Test <b>Current Inclining</b>			
Flotation date <b>31/05/2018</b>		SG <b>1.0000</b>	
FFM <b>1.135</b>	FF <b>1.143</b>	SFFP <b>0.000</b>	
FAM <b>0.724</b>	FA <b>0.731</b>	SAFP <b>11.312</b>	
W1 <b>90.5</b>	PD1 <b>562.8</b>	WD <b>12.220</b>	
W2 <b>90.5</b>	PD2 <b>560.5</b>	GSA <b>1.0</b>	
W3 <b>90.5</b>	PD3 <b>567.3</b>	RSA <b>1.0</b>	
W4 <b>90.5</b>	PD4 <b>561.6</b>	PLM <b>9000.0</b>	
LCF from stem on CL / on sheer		<b>6.290 / 6.510</b>	
Maximum beam station from stem		<b>8.500</b>	
RM Measured		<b>154.7kg·m</b>	
RM Default		<b>162.3kg·m</b>	
Limit of positive stability / Stab.Index		<b>120.0° / 119.5</b>	
Freeboard at mast at 4.660		<b>1.342</b>	



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**2019**  
**Measurements**  
**Datasheet**

<b>RIG</b>			
Forestay Tension <b>Aft &amp; Forward</b>	Spreaders <b>2</b>		
Inner Stay <b>None Fitted</b>	Runners <b>0</b>		
Carbon Mast <b>Yes</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>14.255</b>	E <b>5.150</b>	MDT1 <b>0.122</b>	MW <b>0.175</b>
IG <b>14.840</b>	J <b>4.430</b>	MDL1 <b>0.210</b>	GO <b>0.200</b>
ISP <b>14.880</b>	SFJ <b>0.230</b>	MDT2 <b>0.104</b>	BD <b>0.300</b>
BAS <b>1.810</b>	SPL <b>4.650</b>	MDL2 <b>0.143</b>	MWT <b>138.00</b>
FSP <b>0.068</b>	TPS <b>4.470</b>	TL <b>2.520</b>	MCG <b>4.720</b>

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

<b>PROPELLER</b>			
Installation <b>Strut</b>	PRD <b>0.405</b>		
Type <b>Folding 2 blades</b>	PBW <b>0.106</b>		
Twin Screw <b>No</b>	PIPA <b>0.0036</b>		
ST1 <b>0.050</b>	ST3 <b>0.180</b>	ST5 <b>0.300</b>	
ST2 <b>0.180</b>	ST4 <b>0.110</b>	EDL <b>1.830</b>	

<b>Certificate</b>	
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Valid until <b>12/31/2019</b>	

<b>COMMENTS</b>	

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

<b>CENTERBOARD</b>	
N/A	

<b>SAILS INVENTORY</b>																
<b>MAINSAIL (2)</b>																
Id	MHB	MUW	MTW	MHW	MQW	Area	Measurer	Meas.Date	Manufacture	Material	Comment					
1a	0.40	1.21	2.03	3.34	4.33	44.45	EST 7	25/06/2019	NorthSails	Carbon	3Di 780					
2a	0.17	0.95	1.71	3.07	4.15	41.33	EST 7	25/06/2019	NorthSails	Unknown	3Di Nordac					
<b>HEADSAILS (7)</b>																
Id	HHB	HUW	HTW	HHW	HQW	HLP	HLU	Ovrlp	Area	Btn	Fly	Measurer	Meas.Date	Manufacture	Material	Comment
7a	0.13	0.76	1.41	2.56	3.66	4.73	14.38	107%	35.94	N	N	EST 7	25/06/2019	North Sails	Unknown	JibTop
1a	0.12	0.79	1.47	2.58	3.59	4.71	14.39	106%	35.94	N	N	EST 7	25/06/2019	North Sails	Unknown	Light 3DL
2a	0.12	0.77	1.45	2.56	3.59	4.70	14.40	106%	35.80	N	N	EST 7	25/06/2019	North Sails	Unknown	Light/Medium 3Di
3a	0.10	0.80	1.47	2.53	3.52	4.66	14.42	105%	35.51	N	N	EST 7	25/06/2019	North Sails	Unknown	Medium 3Di
6a	0.12	0.78	1.48	2.57	3.55	4.45	13.96	100%	34.13	N	N	EST 7	25/06/2019	North Sails	Unknown	J-Light Sugar
4a	0.10	0.58	1.10	2.13	3.19	4.26	13.31	96%	28.56	N	N	EST 7	25/06/2019	North Sails	Unknown	Heavy 3Di
<b>SYMMETRIC SPINNAKERS (4)</b>																
Id	SLU	SLE	SL	SHW	SFL	Area	Measurer	Meas.Date	Manufacture	Material	Comment					
2a	14.92	14.92	14.92	8.87	8.40	109.12	EST 7	25/06/2019		Unknown	S2					
1a	15.00	15.00	15.00	8.70	8.56	108.40	EST 7	25/06/2019		Unknown	S1,5					
4a	14.60	14.60	14.60	8.44	8.07	101.79	EST 7	25/06/2019		Unknown	S2 Sugar					
3a	14.95	14.95	14.95	8.05	8.57	101.59	EST 7	25/06/2019		Unknown	S3					
<b>ASYMMETRIC SPINNAKERS (1)</b>																
Id	SLU	SLE	SL	SHW	SFL	Area	Kind	Measurer	Meas.Date	Manufacture	Material	Comment				
1	15.20	13.76	14.48	5.60	7.37	71.85	asym	EST 7	25/06/2019	NorthSails	Unknown					

<b>MEASUREMENT INVENTORY</b>				
Measurer <b>Karl-Hannes Tagu EST 7</b>				
Date <b>31/05/2018</b>				
Comment <b>Tallinn - Pirita</b>				
Id	Item	Weight	Distance	VCG Description
1	Engine			Yanmar 3YM30AE
Id	Item	Weight	Description	

<b>MEASUREMENT INVENTORY</b>							
Id	Item	Tank Use	Tank Type	Capcty	Dist.	VCG	Condn Description
1	Tank fuel		st.steel	80.0	9.36		5-0
2	Tank water		neopr. bag	55.0	5.76		0-0 ports.
3	Tank sewage		neopr. bag	55.0	3.76		0-0 ports.
Id	Item	Weight	Distance	VCG Description			
1	Battery		8.36	2x105 Ah "Banner"			
1	Misc		10.30	autopilot "Jefa"			
2	Misc		10.80	"Eberspächer"			

# 2009

## ORC Club Certificate Appendix

<b>BOAT</b>			
Name	<b>POSTIMEES SAILING TEAM</b>	Certificate Number	<b>EST850</b>
Sail Nr	<b>EST 850</b>	Issued On	<b>8/25/2019</b>

<b>TIME ALLOWANCES</b>							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	<b>1030.5</b>	<b>849.6</b>	<b>748.2</b>	<b>705.8</b>	<b>690.3</b>	<b>685.1</b>	<b>677.2</b>
52°	<b>668.3</b>	<b>561.3</b>	<b>507.3</b>	<b>486.1</b>	<b>479.1</b>	<b>476.1</b>	<b>471.7</b>
60°	<b>627.8</b>	<b>534.0</b>	<b>491.8</b>	<b>473.1</b>	<b>464.9</b>	<b>461.1</b>	<b>457.5</b>
75°	<b>597.6</b>	<b>514.9</b>	<b>480.9</b>	<b>461.4</b>	<b>446.7</b>	<b>437.5</b>	<b>431.1</b>
90°	<b>604.7</b>	<b>515.4</b>	<b>474.4</b>	<b>452.6</b>	<b>441.0</b>	<b>423.9</b>	<b>402.5</b>
110°	<b>607.4</b>	<b>505.0</b>	<b>465.6</b>	<b>439.6</b>	<b>418.8</b>	<b>399.8</b>	<b>378.0</b>
120°	<b>623.8</b>	<b>514.3</b>	<b>470.3</b>	<b>442.7</b>	<b>416.3</b>	<b>393.3</b>	<b>358.3</b>
135°	<b>689.6</b>	<b>558.6</b>	<b>491.4</b>	<b>460.4</b>	<b>434.4</b>	<b>409.2</b>	<b>360.6</b>
150°	<b>821.4</b>	<b>655.3</b>	<b>551.0</b>	<b>491.4</b>	<b>462.2</b>	<b>438.0</b>	<b>392.4</b>
Run VMG	<b>948.4</b>	<b>756.7</b>	<b>636.3</b>	<b>559.6</b>	<b>510.3</b>	<b>475.1</b>	<b>428.2</b>
<b>Selected Courses</b>							
Windward / Leeward	<b>989.5</b>	<b>803.1</b>	<b>692.2</b>	<b>632.7</b>	<b>600.3</b>	<b>580.1</b>	<b>552.7</b>
Circular Random	<b>829.3</b>	<b>669.4</b>	<b>583.9</b>	<b>534.4</b>	<b>504.0</b>	<b>483.9</b>	<b>457.7</b>
Coastal / Long Distance	<b>985.4</b>	<b>753.5</b>	<b>623.7</b>	<b>552.0</b>	<b>515.0</b>	<b>484.7</b>	<b>434.2</b>
Non Spinnaker	<b>889.2</b>	<b>711.9</b>	<b>615.6</b>	<b>559.3</b>	<b>524.6</b>	<b>502.0</b>	<b>473.6</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>42.1°</b>	<b>41.2°</b>	<b>40.3°</b>	<b>40.4°</b>	<b>40.3°</b>	<b>40.6°</b>
Beat VMG	<b>3.49</b>	<b>4.24</b>	<b>4.81</b>	<b>5.10</b>	<b>5.21</b>	<b>5.25</b>	<b>5.32</b>
52°	<b>5.39</b>	<b>6.41</b>	<b>7.10</b>	<b>7.41</b>	<b>7.51</b>	<b>7.56</b>	<b>7.63</b>
60°	<b>5.73</b>	<b>6.74</b>	<b>7.32</b>	<b>7.61</b>	<b>7.74</b>	<b>7.81</b>	<b>7.87</b>
75°	<b>6.02</b>	<b>6.99</b>	<b>7.49</b>	<b>7.80</b>	<b>8.06</b>	<b>8.23</b>	<b>8.35</b>
90°	<b>5.95</b>	<b>6.98</b>	<b>7.59</b>	<b>7.95</b>	<b>8.16</b>	<b>8.49</b>	<b>8.94</b>
110°	<b>5.93</b>	<b>7.13</b>	<b>7.73</b>	<b>8.19</b>	<b>8.60</b>	<b>9.01</b>	<b>9.52</b>
120°	<b>5.77</b>	<b>7.00</b>	<b>7.65</b>	<b>8.13</b>	<b>8.65</b>	<b>9.15</b>	<b>10.05</b>
135°	<b>5.22</b>	<b>6.44</b>	<b>7.33</b>	<b>7.82</b>	<b>8.29</b>	<b>8.80</b>	<b>9.98</b>
150°	<b>4.38</b>	<b>5.49</b>	<b>6.53</b>	<b>7.33</b>	<b>7.79</b>	<b>8.22</b>	<b>9.17</b>
Run VMG	<b>3.80</b>	<b>4.76</b>	<b>5.66</b>	<b>6.43</b>	<b>7.05</b>	<b>7.58</b>	<b>8.41</b>
Gybe Angles	<b>140.6°</b>	<b>148.4°</b>	<b>149.1°</b>	<b>156.4°</b>	<b>172.4°</b>	<b>180.0°</b>	<b>180.0°</b>