

<b>BOAT</b> Name <b>Eesti Meedia ST</b> Sail Nr <b>EST 850</b>	<b>GPH</b> <b>602.3</b>	<b>HULL</b> Length Overall <b>11.312m</b> Maximum Beam <b>3.640m</b> Displacement <b>5,927kg</b> Draft <b>1.987m</b> IMS Reg. Division <b>Cruiser/Racer</b> Dynamic Allowance <b>0.060%</b> Fwd Accommodation <b>Yes</b> Hull Construction <b>Cored</b> Carbon Rudder <b>Yes</b> Crew Arm Extension
<b>GENERAL</b> Class <b>ONE OFF</b> Designer <b>CYD</b> Builder <b>RIDAS YACHT OÜ</b> Series <b>04/2018</b> Age <b>04/2018</b> Age Allowance <b>0.000%</b> Offset File <b>est850.off - 5/11/2018 8:28:23 PM</b> Measurement by <b>Tagu - 31/05/2018</b>		IMSL <b>10.171m</b> VCGD <b>0.016m</b> Sink <b>21.07kg/mm</b> RL <b>8.935m</b> VCGM <b>0.080m</b> WS <b>27.34m<sup>2</sup></b> LSMO <b>9.959m</b> Displacement/Length ratio <b>6.0005</b>



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**2018**  
ORC International  
Certificate

**Rating Office**  
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Regati 1  
11911, Tallinn  
Estonia

<b>SCORING OPTIONS</b>						
	<b>COASTAL / LONG DISTANCE</b>			<b>WINDWARD / LEEWARD</b>		
Time on Distance	<b>585.5</b>			<b>656.6</b>		
Time on Time	<b>1.0248</b>			<b>1.0280</b>		
Triple Number	Low	Medium	High	Low	Medium	High
Time on Distance	<b>691.9</b>	<b>532.7</b>	<b>476.0</b>	<b>895.0</b>	<b>658.2</b>	<b>575.4</b>
Time on Time	<b>0.9756</b>	<b>1.2672</b>	<b>1.4182</b>	<b>0.7542</b>	<b>1.0256</b>	<b>1.1731</b>

<b>TIME ALLOWANCES</b>							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	<b>1027.0</b>	<b>846.7</b>	<b>746.7</b>	<b>706.4</b>	<b>691.6</b>	<b>686.7</b>	<b>679.4</b>
52°	<b>670.1</b>	<b>560.7</b>	<b>506.5</b>	<b>486.1</b>	<b>479.4</b>	<b>476.6</b>	<b>472.2</b>
60°	<b>633.4</b>	<b>534.5</b>	<b>491.0</b>	<b>472.8</b>	<b>465.2</b>	<b>461.6</b>	<b>457.9</b>
75°	<b>606.3</b>	<b>516.9</b>	<b>480.5</b>	<b>460.9</b>	<b>446.6</b>	<b>438.1</b>	<b>432.1</b>
90°	<b>612.2</b>	<b>515.2</b>	<b>475.1</b>	<b>458.9</b>	<b>440.3</b>	<b>423.4</b>	<b>403.1</b>
110°	<b>611.1</b>	<b>505.5</b>	<b>465.2</b>	<b>439.2</b>	<b>419.0</b>	<b>406.8</b>	<b>386.4</b>
120°	<b>626.3</b>	<b>515.4</b>	<b>470.3</b>	<b>442.2</b>	<b>415.8</b>	<b>392.9</b>	<b>366.7</b>
135°	<b>690.0</b>	<b>558.9</b>	<b>491.3</b>	<b>460.3</b>	<b>434.1</b>	<b>408.7</b>	<b>359.5</b>
150°	<b>822.4</b>	<b>655.2</b>	<b>550.5</b>	<b>490.4</b>	<b>461.6</b>	<b>437.4</b>	<b>391.5</b>
Run VMG	<b>949.6</b>	<b>756.5</b>	<b>635.7</b>	<b>558.5</b>	<b>509.5</b>	<b>474.6</b>	<b>427.6</b>

**Certificate**  
Number **EST850**  
ORC Ref **EST00000208**  
Issued On **6/19/2018**  
VPP Ver. **2018 1.00**  
Valid until **12/31/2018**

**Crew Weight**  
Default **684kg**  
Maximum **755kg**  
Minimum\* **566kg**  
*\*when applied by the NoR and SI*  
Non Manual Pwr **No**

**Special Scoring**

	ToD	ToT
Double H.GPH	<b>606.1</b>	<b>0.9900</b>
Double H.OSN	<b>591.1</b>	<b>1.0150</b>
Non Spin GPH	<b>635.4</b>	<b>0.9443</b>
Non Spin OSN	<b>616.7</b>	<b>0.9729</b>

<b>Selected Courses</b>							
	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Windward / Leeward	<b>988.3</b>	<b>801.6</b>	<b>691.2</b>	<b>632.5</b>	<b>600.5</b>	<b>580.6</b>	<b>553.5</b>
Circular Random	<b>830.5</b>	<b>669.9</b>	<b>584.1</b>	<b>534.7</b>	<b>504.6</b>	<b>484.8</b>	<b>459.3</b>
Coastal / Long Distance	<b>984.5</b>	<b>752.3</b>	<b>623.0</b>	<b>552.4</b>	<b>515.0</b>	<b>484.8</b>	<b>436.6</b>
Non Spinnaker	<b>889.6</b>	<b>711.8</b>	<b>615.4</b>	<b>559.1</b>	<b>524.5</b>	<b>502.1</b>	<b>473.9</b>

**Sails Limitations**

Headsails	5	Spinnakers	3
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<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>43.4°</b>	<b>42.1°</b>	<b>41.2°</b>	<b>40.2°</b>	<b>40.4°</b>	<b>40.4°</b>	<b>40.9°</b>
Beat VMG	<b>3.51</b>	<b>4.25</b>	<b>4.82</b>	<b>5.10</b>	<b>5.21</b>	<b>5.24</b>	<b>5.30</b>
52°	<b>5.37</b>	<b>6.42</b>	<b>7.11</b>	<b>7.41</b>	<b>7.51</b>	<b>7.55</b>	<b>7.62</b>
60°	<b>5.68</b>	<b>6.74</b>	<b>7.33</b>	<b>7.61</b>	<b>7.74</b>	<b>7.80</b>	<b>7.86</b>
75°	<b>5.94</b>	<b>6.97</b>	<b>7.49</b>	<b>7.81</b>	<b>8.06</b>	<b>8.22</b>	<b>8.33</b>
90°	<b>5.88</b>	<b>6.99</b>	<b>7.58</b>	<b>7.85</b>	<b>8.18</b>	<b>8.50</b>	<b>8.93</b>
110°	<b>5.89</b>	<b>7.12</b>	<b>7.74</b>	<b>8.20</b>	<b>8.59</b>	<b>8.85</b>	<b>9.32</b>
120°	<b>5.75</b>	<b>6.99</b>	<b>7.65</b>	<b>8.14</b>	<b>8.66</b>	<b>9.16</b>	<b>9.82</b>
135°	<b>5.22</b>	<b>6.44</b>	<b>7.33</b>	<b>7.82</b>	<b>8.29</b>	<b>8.81</b>	<b>10.01</b>
150°	<b>4.38</b>	<b>5.49</b>	<b>6.54</b>	<b>7.34</b>	<b>7.80</b>	<b>8.23</b>	<b>9.19</b>
Run VMG	<b>3.79</b>	<b>4.76</b>	<b>5.66</b>	<b>6.45</b>	<b>7.07</b>	<b>7.59</b>	<b>8.42</b>
Gybe Angles	<b>140.4°</b>	<b>148.7°</b>	<b>149.2°</b>	<b>156.5°</b>	<b>172.2°</b>	<b>180.0°</b>	<b>180.0°</b>

**Class Division Length**  
CDL = **9.553**

**Storm Sails Areas**

Heavy Weather Jib	<b>30.07</b>
Storm Jib (JL=9.70)	<b>11.14</b>
Storm Trysail	<b>12.97</b>

<b>BOAT</b>	
Name <b>Eesti Meedia ST</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>162.7kg·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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**IMS Measurement Certificate**

<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>5.200</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	TL <b>2.520</b>	MCG <b>4.720</b>

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<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>COMMENTS</b>	

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

<b>CENTERBOARD</b>	
N/A	

<b>SAILS (Maximum Areas)</b>						
Mainsail	MHB	MUW	MTW	MHW	MQW	
	0.390	1.21	2.03	3.36	4.35	
						Area Area (r) Formula
						44.67 45.70 P/8 · (E + 2·MQW+ 2·MHW + 1.5·MTW + MUW + 0.5·MHB)
Symmetric	SLU	SLE	SL	SHW	SFL	
	15.00	15.00	15.00	8.92	8.46	
						110.35 SL · (SFL + 4·SHW) / 6
Asymmetric	Not Available					

<b>HEADSAILS</b>												
Area = 0.1125·HLU · (1.445·HLP + 2·HQW + 2·HHW + 1.5·HTW + HUW + 0.5·HHB)												
HHB	HUW	HTW	HHW	HQW	HLP	HLU	Area	Btn	Fly	Meas.Date	Material	Comment
0.11	0.79	1.42	2.58	3.68	4.76	14.62	36.80				Unknow	JibTop
0.12	0.80	1.49	2.61	3.62	4.72	14.52	36.55			18/06/2018	Unknow	Light 3DL
0.10	0.80	1.47	2.55	3.54	4.70	14.65	36.30				Unknow	Medium 3Di
0.13	0.78	1.45	2.56	3.60	4.71	14.46	36.03			18/06/2018	Unknow	Light/Medium 3Di
0.12	0.86	1.55	2.65	3.62	4.45	14.27	35.66				Unknow	J-Light Sugar
0.10	0.59	1.13	2.19	3.26	4.32	13.60	29.80				Unknow	Heavy 3Di
0.08	0.47	0.86	1.69	2.59	3.50	13.20	22.89				Unknow	Staysail

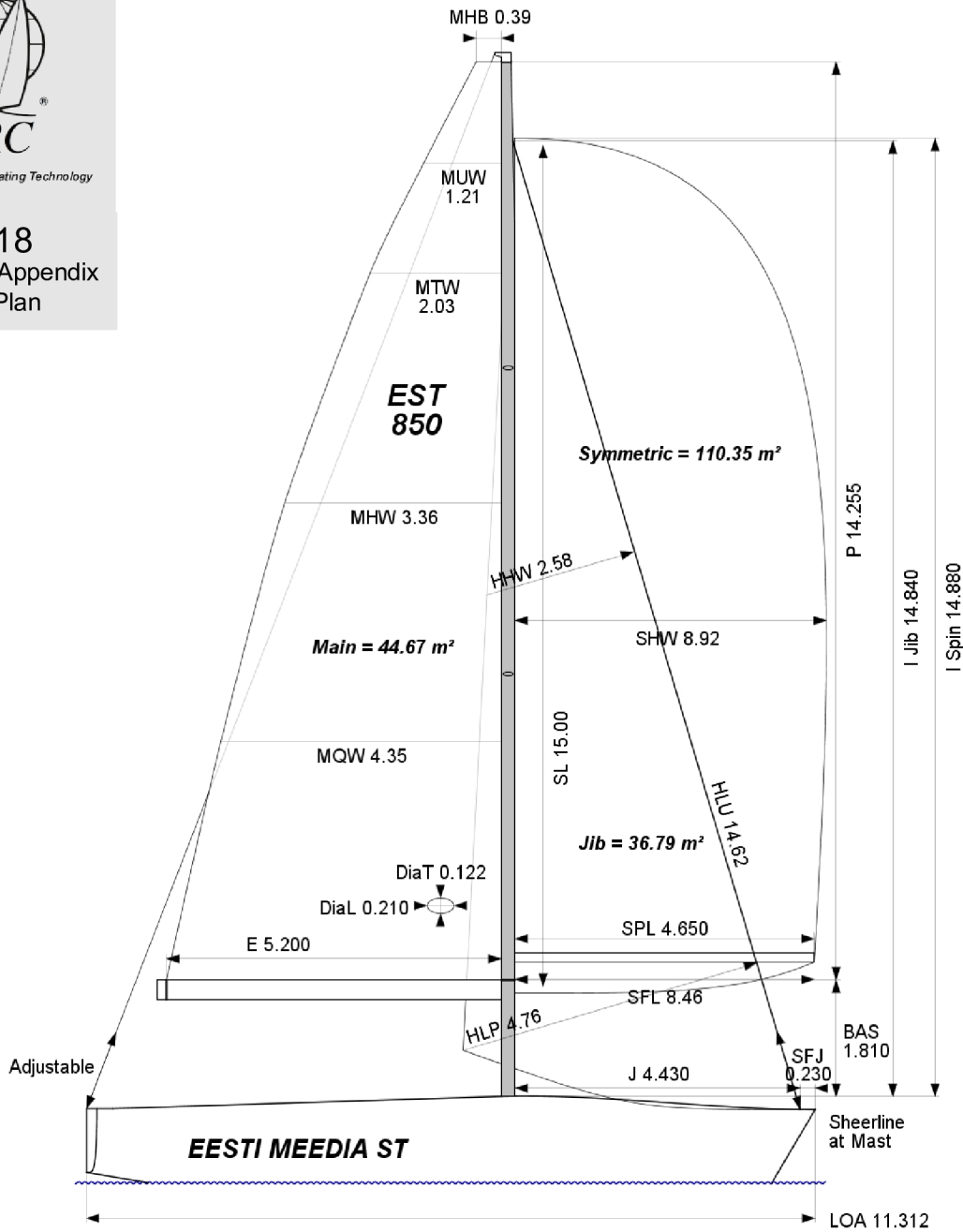
<b>MEASUREMENT INVENTORY</b>				
Measurer <b>Karl-Hannes Tagu EST 7</b>				
Date <b>31/05/2018</b>				
Comment <b>Tallinn - Pirta</b>				
<i>Id</i>	<i>Item</i>	<i>Weight</i>	<i>Distance</i>	<i>VCG Description</i>
<i>Id</i>	<i>Item</i>	<i>Maker</i>	<i>Model</i>	
1	Engine	Yanmar	3YM30AE	
<i>Id</i>	<i>Item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

<b>MEASUREMENT INVENTORY</b>							
<i>Id</i>	<i>Item</i>	<i>Tank Use</i>	<i>Tank Type</i>	<i>Capcty</i>	<i>Dist.</i>	<i>VCG</i>	<i>Condtn Description</i>
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.
<i>Id</i>	<i>Item</i>	<i>Weight</i>	<i>Distance</i>	<i>VCG</i>	<i>Description</i>		
1	Battery		8.36		2x105 Ah "Banner"		
1	Misc		10.30		autopilot "Jefa"		
2	Misc		10.80		"Eberspächer"		



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Sail Plan



SAILS INVENTORY																
<b>MAINSAIL (2)</b>																
Id	MHB	MUW	MTW	MHW	MQW	Area	Measurer	Meas.Date	Manufacture	Material	Comment					
1	0.390	1.21	2.03	3.36	4.35	44.67	EST 2	18/06/2018	NorthSails	Carbon	3Di 780					
2	0.175	0.95	1.73	3.09	4.18	41.65				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
7	0.11	0.79	1.42	2.58	3.68	4.76	14.62	107%	36.80						Unknown	JibTop
1	0.12	0.80	1.49	2.61	3.62	4.72	14.52	107%	36.55			EST 2	18/06/2018		Unknown	Light 3DL
3	0.10	0.80	1.47	2.55	3.54	4.70	14.65	106%	36.30						Unknown	Medium 3Di
2	0.13	0.78	1.45	2.56	3.60	4.71	14.46	106%	36.03			EST 2	18/06/2018		Unknown	Light/Medium 3Di
6	0.12	0.86	1.55	2.65	3.62	4.45	14.27	100%	35.66						Unknown	J-Light Sugar
4	0.10	0.59	1.13	2.19	3.26	4.32	13.60	98%	29.80						Unknown	Heavy 3Di
5	0.08	0.47	0.86	1.69	2.59	3.50	13.20	79%	22.89						Unknown	Staysail
<b>SYMMETRIC SPINNAKERS (4)</b>																
Id	SLU	SLE	SL	SHW	SFL	Area	Measurer	Meas.Date	Manufacture	Material	Comment					
2	15.00	15.00	15.00	8.92	8.46	110.35	EST 2	18/06/2018		Unknown	S2					
1	15.10	15.10	15.10	8.74	8.68	109.83				Unknown	S1,5					
4	14.70	14.70	14.70	8.51	8.18	103.44				Unknown	S2 Sugar					
3	15.04	15.04	15.04	8.11	8.66	103.02				Unknown	S3					
<b>ASYMMETRIC SPINNAKERS (0)</b>																
Id	SLU	SLE	SL	SHW	SFL	Area	Kind	Measurer	Meas.Date	Manufacture	Material	Comment				