



World Leader in Rating Technology

## 2018 ORC Club Certificate

### Rating Office

EYU  
Regati 1  
11911, Tallinn  
Estonia

### Certificate

Number **EST708**  
Issued On **4/26/2018**  
ORC Ref **EST00000053**  
VPP Ver. **2018 1.00**  
Valid until **12/31/2018**

### Crew Weight

Default 649kg  
Maximum **695kg**  
Minimum\* **521kg**  
*\*when applied by the NoR and SI*  
Non Manual Pwr **No**

### Special Scoring

	ToD	ToT
Double H.GPH	<b>633.5</b>	<b>0.9472</b>
Double H.OSN	<b>616.0</b>	<b>0.9740</b>
Non Spin GPH	<b>660.2</b>	<b>0.9088</b>
Non Spin OSN	<b>638.7</b>	<b>0.9394</b>

### Sails Limitations

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

### Spinnaker configuration

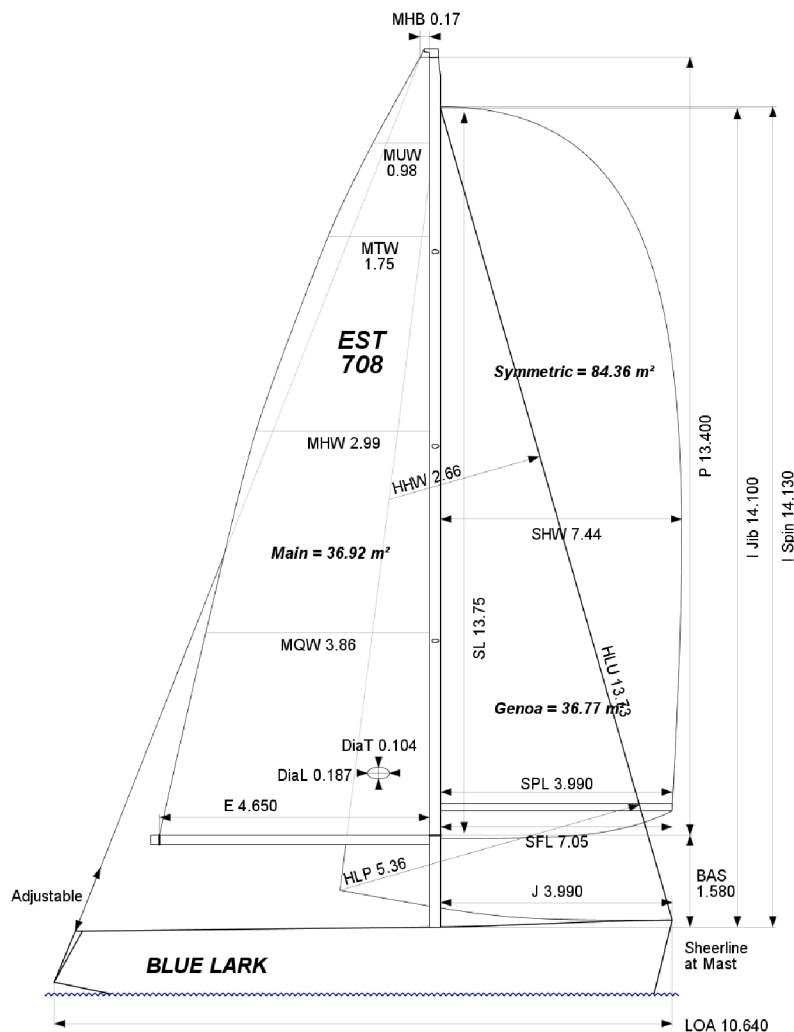
Symmetric: **Yes** **84.36**  
Asymmetric: **No**  
Flying H/S: **No**  
Spin. Pole: **Yes**

### Class Division Length

CDL = **9.219**

### Stability (Estimated)

Limit Positive Stab.: **120.1°**  
Stability Index: **122.8**



BOAT		GPH	HULL			
Name	<b>BLUE LARK</b>	<b>632.2</b>	Data File	<b>Est0708</b>	LOA	<b>10.640m</b>
Sail Nr	<b>EST 708</b>		Offset File	<b>F196.BOF</b>	MB	<b>3.458m</b>
CLASS			Displacement	<b>5,940kg</b>	Draft	<b>2.246m</b>
Class	<b>First 36.7</b>		IMS Division	<b>Cruiser/Racer</b>	Dynamic All.	<b>0.176%</b>
Designer	<b>B.Farr</b>		Fwd Accom.	<b>Yes</b>	Construction	<b>Solid</b>
Builder	<b>Beneteau S.A.</b>		Fiber Rigging	<b>No</b>	Aramid Core	<b>No</b>
Series	<b>01/2001</b>		Crew Arm Ex		Carbon Rudder	<b>No</b>
Age Date	<b>01/2004</b>				Light Stanchions	
Age Allowance	<b>0.487%</b>		IMSL	<b>9.632m</b>	VCGD	<b>0.031m</b>
COMMENTS			Sink	<b>19.31kg/mm</b>	RL	<b>8.805m</b>
Displacement, rig-owners declaration			WS	<b>25.41m²</b>	LSM0	<b>9.594m</b>
PROPELLER			Displacement/Length ratio	<b>6.7265</b>	Water Ballast	<b>0</b>
Installation	<b>Strut</b>	PRD	<b>0.410</b>	Trim Tab	<b>No</b>	BLR Index
Type	<b>Folding 2 blades</b>	PBW	<b>0.130</b>			<b>0.0000</b>
		PIPA	<b>0.0027</b>	CENTERBOARD		
				N/A		
SCORING OPTIONS						
	COASTAL / LONG DISTANCE			WINDWARD / LEEWARD		
Time on Distance	<b>612.5</b>			<b>679.8</b>		
Time on Time	<b>0.9796</b>			<b>0.9930</b>		
Triple Number	Low	Medium	High	Low	Medium	High
Time on Distance	<b>727.8</b>	<b>559.1</b>	<b>498.7</b>	<b>934.8</b>	<b>684.3</b>	<b>592.2</b>
Time on Time	<b>0.9275</b>	<b>1.2074</b>	<b>1.3534</b>	<b>0.7221</b>	<b>0.9864</b>	<b>1.1399</b>

<b>BOAT</b>	
Name <b>BLUE LARK</b>	Sail Nr <b>EST 708</b>
File <b>Est0708</b>	Data in <b>meters/kilograms</b>

<b>INCLINING TEST AND FREEBOARDS</b>			
Inclining Test <b>Club Estimated VCG</b>			
Flotation date <b>25/08/2015</b>		SG <b>1.0020</b>	
FFM	FF <b>1.266</b>	SFFP	<b>0.367</b>
FAM	FA <b>1.088</b>	SAFP	<b>10.162</b>
LCF from stem on CL / on sheer		<b>5.779 / 5.999</b>	
Maximum beam station from stem		<b>6.980</b>	
RM Measured		<b>143.8kg·m</b>	
RM Default		<b>139.6kg·m</b>	
Limit of positive stability / Stab.Index		<b>120.1° / 122.8</b>	
Freeboard at mast at 3.990		<b>1.157</b>	



**2018**  
Measurements  
Datasheet

<b>RIG</b>			
Forestay Tension <b>Aft</b>	Spreaders <b>3</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>13.400</b>	E <b>4.650</b>	MDT1 <b>0.104</b>	MW <b>0.187</b>
IG <b>14.100</b>	J <b>3.990</b>	MDL1 <b>0.187</b>	GO <b>0.207</b>
ISP <b>14.130</b>	SFJ <b>0.000</b>	MDT2 <b>0.102</b>	BD <b>0.160</b>
BAS <b>1.580</b>	SPL <b>3.990</b>	MDL2 <b>0.150</b>	MWT <b>149.50</b>
FSP <b>0.066</b>	TPS	TL <b>0.330</b>	MCG <b>5.040</b>

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

<b>PROPELLER</b>			
Installation <b>Strut</b>	PRD	<b>0.410</b>	
Type <b>Folding 2 blades</b>	PBW	<b>0.130</b>	
Twin Screw <b>No</b>	PIPA	<b>0.0027</b>	
ST1 <b>0.042</b>	ST3	ST5	<b>0.280</b>
ST2	ST4 <b>0.090</b>	EDL	<b>2.450</b>

<b>COMMENTS</b>	
Displacement, rig-owners declaration	

<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	0.170	0.98	1.75	2.99	3.86	36.92				Unknown	2018 P13,40;E4,65					
<b>HEADSAILS (3)</b>																
Id	HHB	HUW	HTW	HHW	HQW	HLP	HLU	Ovrlp	Area	Btn	Fly	Measurer	Meas.Date	Manufacture	Material	Comment
4	0.12	0.69	1.33	2.66	4.00	5.36	13.73	134%	36.78					NS	Unknown	2018
5	0.12	0.68	1.31	2.63	3.96	5.31	13.63	133%	36.12					NS	Unknown	2018
6	0.13	0.57	1.08	2.08	3.07	4.04	13.96	101%	28.89					OneSails	Unknown	2018
<b>SYMMETRIC SPINNAKERS (3)</b>																
Id	SLU	SLE	SL	SHW	SFL	Area	Measurer	Meas.Date	Manufacture	Material	Comment					
4	13.75	13.75	13.75	7.44	7.05	84.36				NS	Unknown	2018				
3	13.67	13.67	13.67	7.45	7.10	84.07				NS	Unknown	2018				
5	13.50	13.50	13.50	6.80	6.95	76.84				OneSails	Unknown	2018				
<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>BLUE LARK</b>	Certificate Number	<b>EST708</b>
Sail Nr	<b>EST 708</b>	Issued On	<b>4/26/2018</b>

<b>TIME ALLOWANCES</b>							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	<b>1047.6</b>	<b>873.4</b>	<b>768.4</b>	<b>711.6</b>	<b>691.9</b>	<b>683.7</b>	<b>686.7</b>
52°	<b>695.1</b>	<b>586.5</b>	<b>529.6</b>	<b>506.5</b>	<b>496.5</b>	<b>492.6</b>	<b>490.6</b>
60°	<b>662.2</b>	<b>561.2</b>	<b>516.1</b>	<b>496.1</b>	<b>485.0</b>	<b>480.1</b>	<b>476.9</b>
75°	<b>637.9</b>	<b>544.8</b>	<b>506.9</b>	<b>487.3</b>	<b>472.9</b>	<b>461.9</b>	<b>452.2</b>
90°	<b>644.6</b>	<b>547.6</b>	<b>500.9</b>	<b>479.9</b>	<b>469.2</b>	<b>453.9</b>	<b>429.9</b>
110°	<b>656.0</b>	<b>541.9</b>	<b>496.2</b>	<b>471.7</b>	<b>450.1</b>	<b>432.0</b>	<b>413.5</b>
120°	<b>675.0</b>	<b>555.6</b>	<b>502.7</b>	<b>476.7</b>	<b>454.0</b>	<b>431.9</b>	<b>396.6</b>
135°	<b>743.7</b>	<b>607.3</b>	<b>528.6</b>	<b>493.7</b>	<b>471.0</b>	<b>448.9</b>	<b>406.7</b>
150°	<b>877.2</b>	<b>697.0</b>	<b>591.5</b>	<b>525.7</b>	<b>494.0</b>	<b>472.6</b>	<b>431.7</b>
Run VMG	<b>1012.9</b>	<b>804.9</b>	<b>682.0</b>	<b>599.1</b>	<b>541.6</b>	<b>504.0</b>	<b>461.5</b>
<b>Selected Courses</b>							
Windward / Leeward	<b>1030.3</b>	<b>839.2</b>	<b>725.2</b>	<b>655.3</b>	<b>616.8</b>	<b>593.9</b>	<b>574.1</b>
Circular Random	<b>872.2</b>	<b>703.7</b>	<b>613.1</b>	<b>560.6</b>	<b>528.7</b>	<b>508.3</b>	<b>484.4</b>
Coastal / Long Distance	<b>1028.5</b>	<b>789.4</b>	<b>655.1</b>	<b>576.1</b>	<b>537.7</b>	<b>508.5</b>	<b>462.4</b>
Non Spinnaker	<b>922.7</b>	<b>739.3</b>	<b>639.6</b>	<b>581.1</b>	<b>545.1</b>	<b>522.2</b>	<b>495.0</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>42.0°</b>	<b>40.6°</b>	<b>40.4°</b>	<b>38.5°</b>	<b>37.6°</b>	<b>37.8°</b>	<b>38.4°</b>
Beat VMG	<b>3.44</b>	<b>4.12</b>	<b>4.68</b>	<b>5.06</b>	<b>5.20</b>	<b>5.27</b>	<b>5.24</b>
52°	<b>5.18</b>	<b>6.14</b>	<b>6.80</b>	<b>7.11</b>	<b>7.25</b>	<b>7.31</b>	<b>7.34</b>
60°	<b>5.44</b>	<b>6.41</b>	<b>6.98</b>	<b>7.26</b>	<b>7.42</b>	<b>7.50</b>	<b>7.55</b>
75°	<b>5.64</b>	<b>6.61</b>	<b>7.10</b>	<b>7.39</b>	<b>7.61</b>	<b>7.79</b>	<b>7.96</b>
90°	<b>5.58</b>	<b>6.57</b>	<b>7.19</b>	<b>7.50</b>	<b>7.67</b>	<b>7.93</b>	<b>8.37</b>
110°	<b>5.49</b>	<b>6.64</b>	<b>7.25</b>	<b>7.63</b>	<b>8.00</b>	<b>8.33</b>	<b>8.71</b>
120°	<b>5.33</b>	<b>6.48</b>	<b>7.16</b>	<b>7.55</b>	<b>7.93</b>	<b>8.33</b>	<b>9.08</b>
135°	<b>4.84</b>	<b>5.93</b>	<b>6.81</b>	<b>7.29</b>	<b>7.64</b>	<b>8.02</b>	<b>8.85</b>
150°	<b>4.10</b>	<b>5.16</b>	<b>6.09</b>	<b>6.85</b>	<b>7.29</b>	<b>7.62</b>	<b>8.34</b>
Run VMG	<b>3.55</b>	<b>4.47</b>	<b>5.28</b>	<b>6.01</b>	<b>6.65</b>	<b>7.14</b>	<b>7.80</b>
Gybe Angles	<b>145.7°</b>	<b>150.3°</b>	<b>151.8°</b>	<b>157.0°</b>	<b>175.1°</b>	<b>180.0°</b>	<b>180.0°</b>