



World Leader in Rating Technology

## 2018 ORC Club Certificate

### Rating Office

EYU  
Regati 1  
11911, Tallinn  
Estonia

### Certificate

Number **EST464**  
Issued On **6/19/2018**  
ORC Ref **EST00000210**  
VPP Ver. **2018 1.00**  
Valid until **12/31/2018**

### Crew Weight

Default 595kg  
Maximum **648kg**  
Minimum\* **486kg**  
*\*when applied by the NoR and SI*  
Non Manual Pwr **No**

### Special Scoring

	ToD	ToT
Double H.GPH	<b>655.0</b>	<b>0.9161</b>
Double H.OSN	<b>636.6</b>	<b>0.9424</b>
Non Spin GPH	<b>685.5</b>	<b>0.8753</b>
Non Spin OSN	<b>661.7</b>	<b>0.9067</b>

### Sails Limitations

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

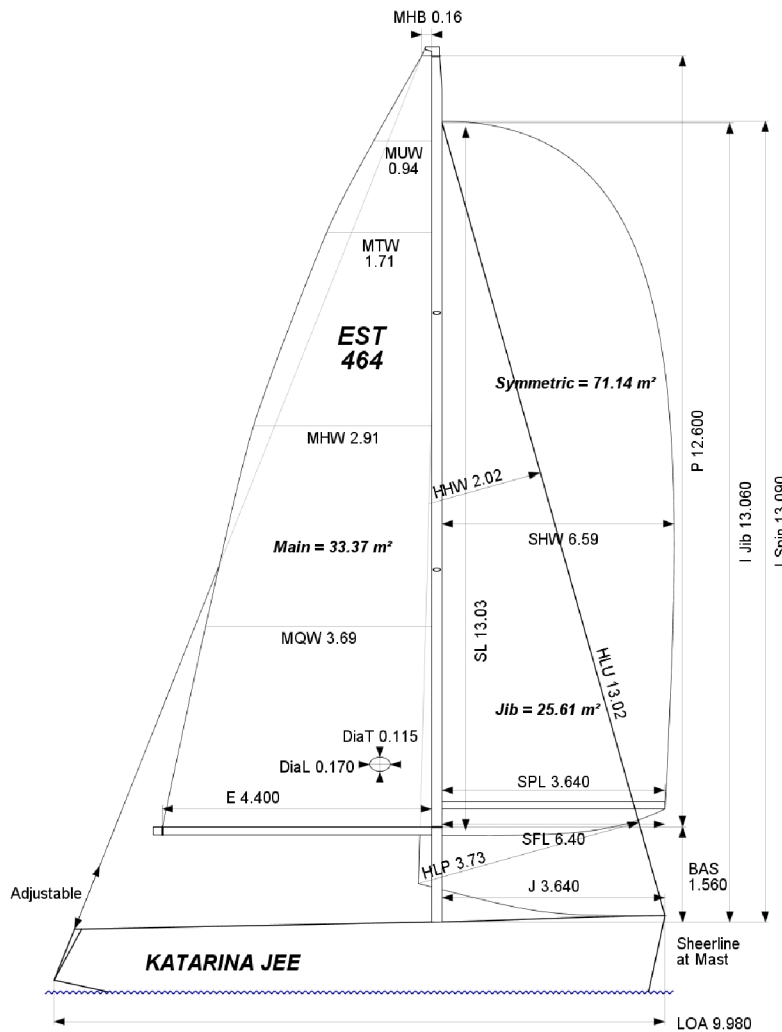
**Spinnaker configuration**  
Symmetric: **Yes** **71.14**  
Asymmetric: **No**  
Flying H/S: **No**  
Spin. Pole: **Yes**

### Class Division Length

**CDL = 8.565**

### Stability (Measured)

Limit Positive Stab.: **128.1°**  
Stability Index: **128.4**



BOAT		GPH		HULL			
Name	<b>KATARINA JEE</b>	<b>652.5</b>	Data File	<b>Est0464</b>	LOA	<b>9.980m</b>	
Sail Nr	<b>EST 464</b>		Offset File	<b>F235.OFF</b>	MB	<b>3.372m</b>	
			Displacement	<b>4,842kg</b>	Draft	<b>2.016m</b>	
<b>CLASS</b>		<b>IMS Division</b> <b>Cruiser/Racer</b> Dynamic All. <b>0.250%</b>					
Class	<b>First 34.7</b>	Fwd Accom. <b>No</b> Construction <b>Cored</b>					
Designer	<b>Farr</b>	Fiber Rigging <b>No</b> Aramid Core <b>No</b>					
Builder	<b>Beneteau</b>	Crew Arm Ex Carbon Rudder <b>No</b>					
Series	<b>10/2005</b>	Light Stanchions					
Age Date	<b>03/2007</b>	IMSL	<b>9.151m</b>	VCGD	<b>-0.107m</b>	Sink	<b>16.63kg/mm</b>
Age Allowance	<b>0.422%</b>	RL	<b>7.978m</b>	VCGM	<b>-0.107m</b>	WS	<b>22.46m²</b>
		LSM0	<b>9.029m</b>		Displacement/Length ratio		<b>6.5782</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>0.410</b>	N/A			
Type	<b>Folding 2 blades</b>	PIPA	<b>0.0030</b>				
<b>SCORING OPTIONS</b>							
	<b>COASTAL / LONG DISTANCE</b>			<b>WINDWARD / LEEWARD</b>			
Time on Distance	<b>632.2</b>			<b>703.9</b>			
Time on Time	<b>0.9491</b>			<b>0.9589</b>			
Triple Number	Low	Medium	High	Low	Medium	High	
Time on Distance	<b>755.1</b>	<b>575.7</b>	<b>511.6</b>	<b>973.0</b>	<b>708.3</b>	<b>610.7</b>	
Time on Time	<b>0.8939</b>	<b>1.1725</b>	<b>1.3195</b>	<b>0.6937</b>	<b>0.9530</b>	<b>1.1053</b>	

<b>BOAT</b>	
Name <b>KATARINA JEE</b>	Sail Nr <b>EST 464</b>
File <b>Est0464</b>	Data in <b>meters/kilograms</b>

<b>INCLINING TEST AND FREEBOARDS</b>			
Inclining Test <b>Current Inclining</b>			
Flotation date <b>29/05/2007</b>		SG <b>1.0050</b>	
FFM <b>1.250</b>	FF <b>1.266</b>	SFFP <b>0.172</b>	
FAM <b>1.035</b>	FA <b>1.044</b>	SAFP <b>9.530</b>	
W1 <b>60.2</b>	PD1 <b>202.0</b>	WD <b>10.250</b>	
W2 <b>60.2</b>	PD2 <b>203.0</b>	GSA <b>12.6</b>	
W3 <b>60.2</b>	PD3 <b>203.0</b>	RSA <b>4298.7</b>	
W4 <b>60.2</b>	PD4 <b>203.0</b>	PLM <b>2005.0</b>	
LCF from stem on CL / on sheer		<b>5.364 / 5.603</b>	
Maximum beam station from stem		<b>6.642</b>	
RM Measured		<b>106.5kg·m</b>	
RM Default		<b>100.1kg·m</b>	
Limit of positive stability / Stab.Index		<b>128.1° / 128.4</b>	
Freeboard at mast at 3.640		<b>1.144</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>12.600</b>	E <b>4.400</b>	MDT1 <b>0.115</b>	MW <b>0.170</b>
IG <b>13.060</b>	J <b>3.640</b>	MDL1 <b>0.170</b>	GO <b>0.190</b>
ISP <b>13.090</b>	SFJ <b>0.000</b>	MDT2 <b>0.115</b>	BD <b>0.130</b>
BAS <b>1.560</b>	SPL <b>3.640</b>	MDL2 <b>0.138</b>	MWT <b>128.00</b>
FSP <b>0.066</b>	TPS	TL <b>0.570</b>	MCG <b>4.640</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		
Twin Screw <b>No</b>	PIPA <b>0.0030</b>		
ST1 <b>0.035</b>	ST3 <b>0.182</b>	ST5 <b>0.280</b>	
ST2 <b>0.182</b>	ST4 <b>0.100</b>	EDL <b>1.800</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					
4a	0.160	0.94	1.71	2.91	3.69	33.37	EST 5	22/06/2016	HS	Unknown						
<b>HEADSAILS (3)</b>																
Id	HHB	HUW	HTW	HHW	HQW	HLP	HLU	Ovrlp	Area	Btn	Fly	Measurer	Meas.Date	Manufacture	Material	Comment
9	0.10	0.59	1.09	2.02	2.89	3.73	13.02	102%	25.61	Y		Sisil	23/11/2017	NS	Unknow	Heavy 2018
6a	0.10	0.58	1.10	2.05	2.93	3.74	12.86	103%	25.53	Y		EST 5	22/06/2016	NS	Unknow	
7a	0.11	0.60	1.11	2.05	2.93	3.72	12.85	102%	25.52	Y		EST 5	22/06/2016	NS	Unknow	
<b>SYMMETRIC SPINNAKERS (3)</b>																
Id	SLU	SLE	SL	SHW	SFL	Area	Measurer	Meas.Date	Manufacture	Material	Comment					
4	13.03	13.03	13.03	6.59	6.40	71.14	EST 5	27/06/2015		Unknown						
5	13.08	13.08	13.08	6.55	6.39	71.05	EST 5	27/06/2015		Unknown						
6	13.03	13.03	13.03	6.53	6.55	70.95	EST 5	27/06/2015		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>KATARINA JEE</b>	Certificate Number	<b>EST464</b>
Sail Nr	<b>EST 464</b>	Issued On	<b>6/19/2018</b>

<b>TIME ALLOWANCES</b>							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	<b>1116.3</b>	<b>924.7</b>	<b>812.1</b>	<b>747.6</b>	<b>724.2</b>	<b>716.2</b>	<b>712.0</b>
52°	<b>735.2</b>	<b>617.0</b>	<b>550.7</b>	<b>523.2</b>	<b>511.0</b>	<b>506.6</b>	<b>505.2</b>
60°	<b>697.7</b>	<b>587.3</b>	<b>533.8</b>	<b>510.9</b>	<b>498.4</b>	<b>492.3</b>	<b>489.3</b>
75°	<b>669.5</b>	<b>566.3</b>	<b>522.2</b>	<b>500.7</b>	<b>485.4</b>	<b>473.4</b>	<b>461.2</b>
90°	<b>672.0</b>	<b>556.0</b>	<b>510.3</b>	<b>489.2</b>	<b>480.0</b>	<b>466.0</b>	<b>439.2</b>
110°	<b>666.2</b>	<b>550.4</b>	<b>505.7</b>	<b>480.3</b>	<b>457.2</b>	<b>437.8</b>	<b>418.1</b>
120°	<b>686.7</b>	<b>564.4</b>	<b>512.2</b>	<b>485.7</b>	<b>461.6</b>	<b>438.2</b>	<b>399.8</b>
135°	<b>758.4</b>	<b>617.6</b>	<b>537.9</b>	<b>503.3</b>	<b>479.7</b>	<b>456.1</b>	<b>411.3</b>
150°	<b>893.9</b>	<b>708.9</b>	<b>600.4</b>	<b>534.5</b>	<b>503.1</b>	<b>481.0</b>	<b>437.5</b>
Run VMG	<b>1032.2</b>	<b>818.6</b>	<b>692.1</b>	<b>607.6</b>	<b>548.7</b>	<b>512.1</b>	<b>468.3</b>
<b>Selected Courses</b>							
Windward / Leeward	<b>1074.3</b>	<b>871.7</b>	<b>752.1</b>	<b>677.6</b>	<b>636.4</b>	<b>614.1</b>	<b>590.2</b>
Circular Random	<b>904.5</b>	<b>727.8</b>	<b>632.6</b>	<b>577.2</b>	<b>543.4</b>	<b>521.7</b>	<b>494.9</b>
Coastal / Long Distance	<b>1070.1</b>	<b>818.2</b>	<b>677.5</b>	<b>594.0</b>	<b>553.1</b>	<b>522.6</b>	<b>471.9</b>
Non Spinnaker	<b>963.5</b>	<b>769.6</b>	<b>663.7</b>	<b>601.3</b>	<b>563.0</b>	<b>538.6</b>	<b>509.8</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>42.6°</b>	<b>41.1°</b>	<b>41.3°</b>	<b>39.6°</b>	<b>38.8°</b>	<b>39.1°</b>	<b>39.2°</b>
Beat VMG	<b>3.22</b>	<b>3.89</b>	<b>4.43</b>	<b>4.82</b>	<b>4.97</b>	<b>5.03</b>	<b>5.06</b>
52°	<b>4.90</b>	<b>5.83</b>	<b>6.54</b>	<b>6.88</b>	<b>7.05</b>	<b>7.11</b>	<b>7.13</b>
60°	<b>5.16</b>	<b>6.13</b>	<b>6.74</b>	<b>7.05</b>	<b>7.22</b>	<b>7.31</b>	<b>7.36</b>
75°	<b>5.38</b>	<b>6.36</b>	<b>6.89</b>	<b>7.19</b>	<b>7.42</b>	<b>7.61</b>	<b>7.81</b>
90°	<b>5.36</b>	<b>6.47</b>	<b>7.05</b>	<b>7.36</b>	<b>7.50</b>	<b>7.73</b>	<b>8.20</b>
110°	<b>5.40</b>	<b>6.54</b>	<b>7.12</b>	<b>7.50</b>	<b>7.87</b>	<b>8.22</b>	<b>8.61</b>
120°	<b>5.24</b>	<b>6.38</b>	<b>7.03</b>	<b>7.41</b>	<b>7.80</b>	<b>8.22</b>	<b>9.00</b>
135°	<b>4.75</b>	<b>5.83</b>	<b>6.69</b>	<b>7.15</b>	<b>7.50</b>	<b>7.89</b>	<b>8.75</b>
150°	<b>4.03</b>	<b>5.08</b>	<b>6.00</b>	<b>6.74</b>	<b>7.16</b>	<b>7.48</b>	<b>8.23</b>
Run VMG	<b>3.49</b>	<b>4.40</b>	<b>5.20</b>	<b>5.93</b>	<b>6.56</b>	<b>7.03</b>	<b>7.69</b>
Gybe Angles	<b>145.9°</b>	<b>150.5°</b>	<b>152.0°</b>	<b>157.9°</b>	<b>180.0°</b>	<b>180.0°</b>	<b>180.0°</b>