



World Leader in Rating Technology

## 2009 ORC Club Certificate

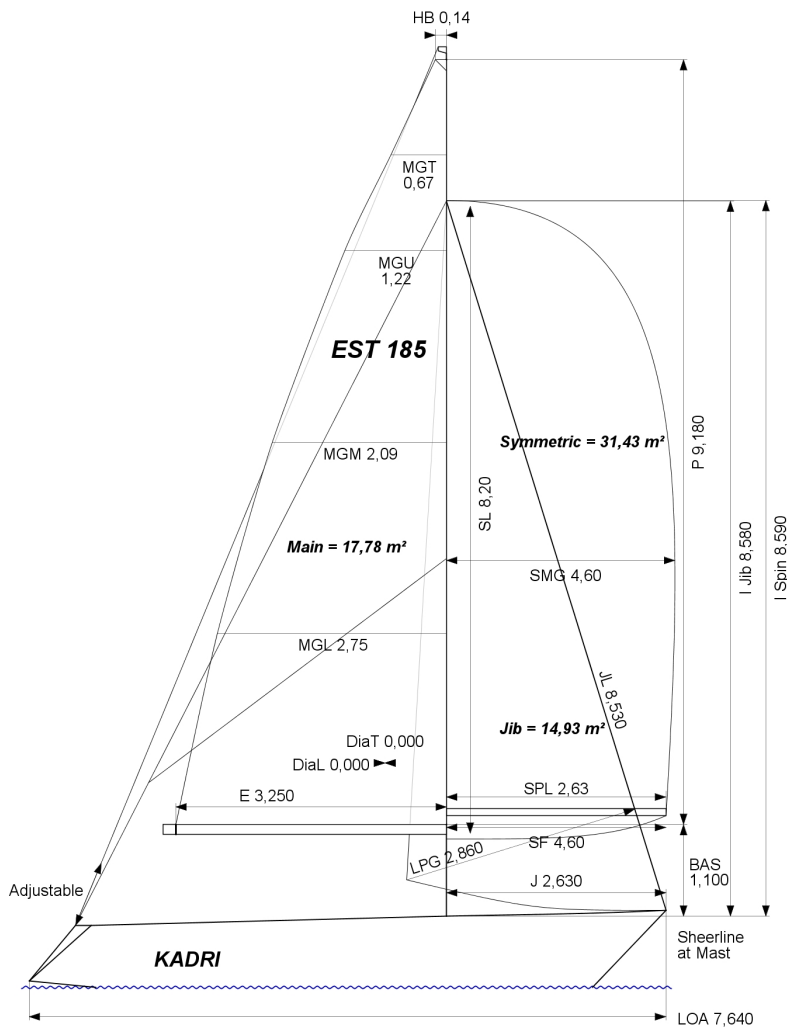
### Rating Office

Estonian Yachting Union  
Veiko Rosme  
Regati 1, 11911, Tallinn  
Estonia

### Certificate

Number **EST185**  
Issued On **22.06.2009**  
ORC Ref **EST00000414**  
VPP Ver. **1.11**  
Valid until **31.12.2009**

### Comments



<b>BOAT</b> Name <b>KADRI</b> Sail Nr <b>EST 185</b>	<b>GPH</b> <b>759,5</b>	<b>HULL</b> Data File <b>Est0185.dxt</b> LOA <b>7,640 m</b> Offset File <b>H180.BOF</b> MB <b>2,735 m</b> Displacement <b>1 640 kg</b> Draft <b>1,119 m</b>
<b>CLASS</b> Class <b>Conrad 760R</b> Designer <b>Petterson</b> Builder <b>Teliga</b> Series <b>01.1982</b> Age Date <b>01.1982</b> Age Allowance <b>1,300%</b>		IMS Regulations Division Dynamic Allowance <b>0,986%</b> Forward Accommodation <b>No</b> Hull Construction <b>Solid</b> Carbon Mast <b>No</b> Carbon Rudder <b>No</b>
<b>HEAVY ITEMS</b>  N/A		IMS L <b>6,298</b> Wetted Area <b>11,51 m²</b> VCGM <b>0,066</b>
Total Gyradius Adjustment <b>0,0340</b>		<b>PROPELLER</b> Type <b>No Propeller</b>

### Crew Weight

Declared **375 kg**  
Default\* **336 kg**

### Special Scoring

ToD ToT  
Double **766,5 0,7828**  
Non Spinnaker **795,4 0,7543**

### Sails Limitations

Genoas **0** Spinnakers **3**  
Jibs **4**

### Spinnaker configuration

Symmetric: **Yes 31,43**  
Asymmetric: **No**  
Code Zero: **No**  
Spin. Pole: **Yes**

### Stability

LPS (Estimated): **108,9°**  
Stability Index: **101,2**  
OSR Category: **N/A**

### Owner

MTÜ PURJETAMISSÕPRADE  
SELTS  
"SUUR ARMAADA"  
Kastani 33, Tallinn, Estonia  
SMS

I certify that I understand my responsibilities under ORC Rules and Regulations

Signature

### SCORING OPTIONS

	OFFSHORE COASTAL / LONG DISTANCE			INSHORE WINDWARD / LEEWARD		
	PLT	PLD		PLT	PLD	
Time On Distance	<b>759,5</b>			<b>845,6</b>		
Time On Time	<b>0,7900</b>			<b>0,7982</b>		
Performance Line	<b>0,719</b>	<b>122,2</b>		<b>0,911</b>	<b>371,7</b>	
Triple Number	Low <b>0,7844</b>	Medium <b>0,9976</b>	High <b>1,1214</b>	Low <b>0,6012</b>	Medium <b>0,8072</b>	High <b>0,9311</b>



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# 2009

## ORC Club Certificate Appendix

### BOAT

Name	<b>KADRI</b>	Certificate Number	<b>EST185</b>
Sail Nr	<b>EST 185</b>	Issued On	<b>22.06.2009</b>

### TIME ALLOWANCES

Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	<b>1263,3</b>	<b>1052,7</b>	<b>961,0</b>	<b>913,9</b>	<b>882,7</b>	<b>862,3</b>	<b>844,2</b>
52°	<b>812,1</b>	<b>699,4</b>	<b>646,0</b>	<b>619,8</b>	<b>606,2</b>	<b>597,1</b>	<b>587,4</b>
60°	<b>759,0</b>	<b>666,8</b>	<b>620,3</b>	<b>595,1</b>	<b>581,3</b>	<b>572,5</b>	<b>562,2</b>
75°	<b>722,4</b>	<b>637,8</b>	<b>593,3</b>	<b>569,7</b>	<b>552,8</b>	<b>538,7</b>	<b>526,3</b>
90°	<b>705,5</b>	<b>622,9</b>	<b>582,1</b>	<b>553,3</b>	<b>533,7</b>	<b>524,1</b>	<b>503,5</b>
110°	<b>734,7</b>	<b>642,6</b>	<b>595,2</b>	<b>562,2</b>	<b>533,1</b>	<b>508,9</b>	<b>474,3</b>
120°	<b>780,0</b>	<b>666,2</b>	<b>609,2</b>	<b>573,9</b>	<b>543,8</b>	<b>517,3</b>	<b>467,5</b>
135°	<b>893,7</b>	<b>724,8</b>	<b>644,9</b>	<b>599,5</b>	<b>567,5</b>	<b>539,3</b>	<b>488,9</b>
150°	<b>1057,4</b>	<b>827,1</b>	<b>704,7</b>	<b>637,1</b>	<b>596,2</b>	<b>565,9</b>	<b>514,7</b>
Run VMG	<b>1221,0</b>	<b>954,1</b>	<b>796,9</b>	<b>701,8</b>	<b>640,0</b>	<b>600,3</b>	<b>544,6</b>

### Selected Courses

Windward / Leeward	<b>1266,4</b>	<b>1021,3</b>	<b>892,4</b>	<b>818,0</b>	<b>770,5</b>	<b>739,4</b>	<b>700,5</b>
Circular Random	<b>1036,8</b>	<b>841,7</b>	<b>737,8</b>	<b>677,4</b>	<b>639,4</b>	<b>613,7</b>	<b>579,0</b>
Ocean for PCS	<b>1107,1</b>	<b>879,6</b>	<b>753,6</b>	<b>676,4</b>	<b>624,9</b>	<b>587,4</b>	<b>532,7</b>
Non Spinnaker	<b>1101,8</b>	<b>887,3</b>	<b>771,6</b>	<b>703,6</b>	<b>661,0</b>	<b>632,5</b>	<b>595,6</b>

### Velocity Prediction in Knots for True Wind Speeds

Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat Angles	<b>44,2°</b>	<b>42,5°</b>	<b>40,9°</b>	<b>40,4°</b>	<b>39,7°</b>	<b>39,1°</b>	<b>38,8°</b>
Beat VMG	<b>2,85</b>	<b>3,42</b>	<b>3,75</b>	<b>3,94</b>	<b>4,08</b>	<b>4,17</b>	<b>4,26</b>
52°	<b>4,43</b>	<b>5,15</b>	<b>5,57</b>	<b>5,81</b>	<b>5,94</b>	<b>6,03</b>	<b>6,13</b>
60°	<b>4,74</b>	<b>5,40</b>	<b>5,80</b>	<b>6,05</b>	<b>6,19</b>	<b>6,29</b>	<b>6,40</b>
75°	<b>4,98</b>	<b>5,64</b>	<b>6,07</b>	<b>6,32</b>	<b>6,51</b>	<b>6,68</b>	<b>6,84</b>
90°	<b>5,10</b>	<b>5,78</b>	<b>6,19</b>	<b>6,51</b>	<b>6,75</b>	<b>6,87</b>	<b>7,15</b>
110°	<b>4,90</b>	<b>5,60</b>	<b>6,05</b>	<b>6,40</b>	<b>6,75</b>	<b>7,07</b>	<b>7,59</b>
120°	<b>4,62</b>	<b>5,40</b>	<b>5,91</b>	<b>6,27</b>	<b>6,62</b>	<b>6,96</b>	<b>7,70</b>
135°	<b>4,03</b>	<b>4,97</b>	<b>5,58</b>	<b>6,01</b>	<b>6,34</b>	<b>6,68</b>	<b>7,36</b>
150°	<b>3,40</b>	<b>4,35</b>	<b>5,11</b>	<b>5,65</b>	<b>6,04</b>	<b>6,36</b>	<b>6,99</b>
Run VMG	<b>2,95</b>	<b>3,77</b>	<b>4,52</b>	<b>5,13</b>	<b>5,62</b>	<b>6,00</b>	<b>6,61</b>
Gybe Angles	<b>146,8°</b>	<b>152,8°</b>	<b>162,5°</b>	<b>171,6°</b>	<b>175,1°</b>	<b>176,8°</b>	<b>177,0°</b>