



World Leader in Rating Technology

## 2009 ORC Club Certificate

### Rating Office

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

### Certificate

Number **EST573**  
Issued On **17.05.2009**  
ORC Ref **EST00000161**  
VPP Ver. **1.11**  
Valid until **31.12.2009**

### Comments

EST 646 Dat File used

### Crew Weight

Declared **360 kg**  
Default\* **338 kg**

### Special Scoring

ToD ToT  
Double **623,4 0,9625**  
Non Spinnaker **674,0 0,8902**

### Sails Limitations

Genoas **0** Spinnakers **4**  
Jibs **5**

### Spinnaker configuration

Symmetric: **No**  
Asymmetric: **Yes 55,86**  
Code Zero: **No**  
Spin. Pole: **No**

### Stability

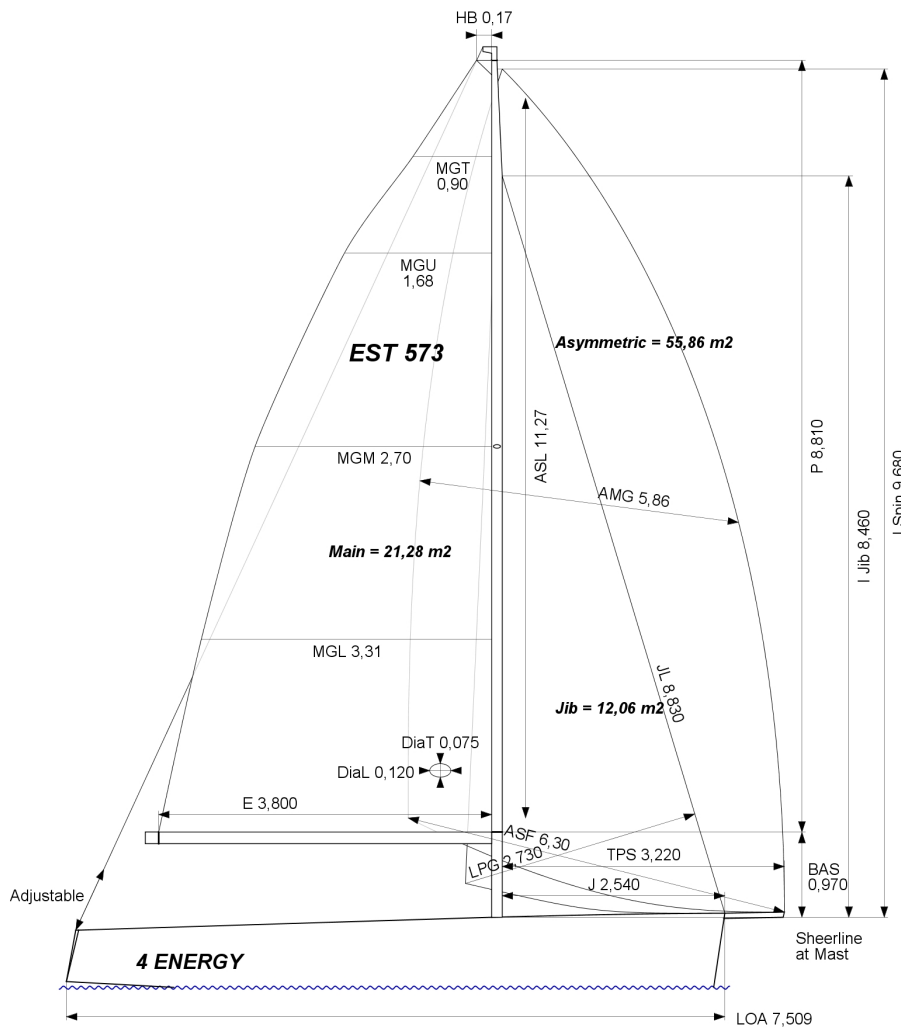
LPS (Estimated): **118,4°**  
Stability Index: **109,5**  
OSR Category: **N/A**

### Owner

Andrus Kaalep  
Rae vald, Peetri küla  
Estonia  
PJK

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

Signature



<b>BOAT</b>		<b>GPH</b>		<b>HULL</b>	
Name <b>4 energy</b> Sail Nr <b>EST 573</b>		<b>605,1</b>		Data File <b>Est0573-1.dxt</b>	LOA <b>7,509 m</b>
				Offset File <b>E296.BOF</b>	MB <b>2,503 m</b>
				Displacement <b>670 kg</b>	Draft <b>1,501 m</b>
<b>CLASS</b>		IMS Regulations Division <b>Sportboat</b>			
Class <b>Melges 24</b>		Dynamic Allowance <b>0,000%</b>			
Designer <b>Reichel/Pugh</b>		Forward Accommodation <b>No</b>			
Builder		Hull Construction <b>Solid</b>			
Series <b>01.1993</b>		Carbon Mast <b>No</b>			
Age Date <b>05.2003</b>		Carbon Rudder <b>No</b>			
Age Allowance <b>1,040%</b>		IMS L <b>7,037</b> Wetted Area <b>9,27 m²</b> VCGM <b>-0,211</b>			
<b>HEAVY ITEMS</b>		<b>PROPELLER</b>			
N/A		Type <b>No Propeller</b>			
Total Gyradius Adjustment <b>0,0260</b>					

SCORING OPTIONS	OFFSHORE COASTAL / LONG DISTANCE			INSHORE WINDWARD / LEEWARD		
	Time On Distance	<b>605,1</b>			<b>676,2</b>	
Time On Time	<b>0,9915</b>			<b>0,9983</b>		
Performance Line	PLT	PLD		PLT	PLD	
	<b>0,757</b>	<b>27,9</b>		<b>0,889</b>	<b>199,2</b>	
Triple Number	Low	Medium	High	Low	Medium	High
	<b>0,9575</b>	<b>1,2528</b>	<b>1,5096</b>	<b>0,7298</b>	<b>0,9758</b>	<b>1,2034</b>