



World Leader in Rating Technology

## 2009 ORC Club Certificate

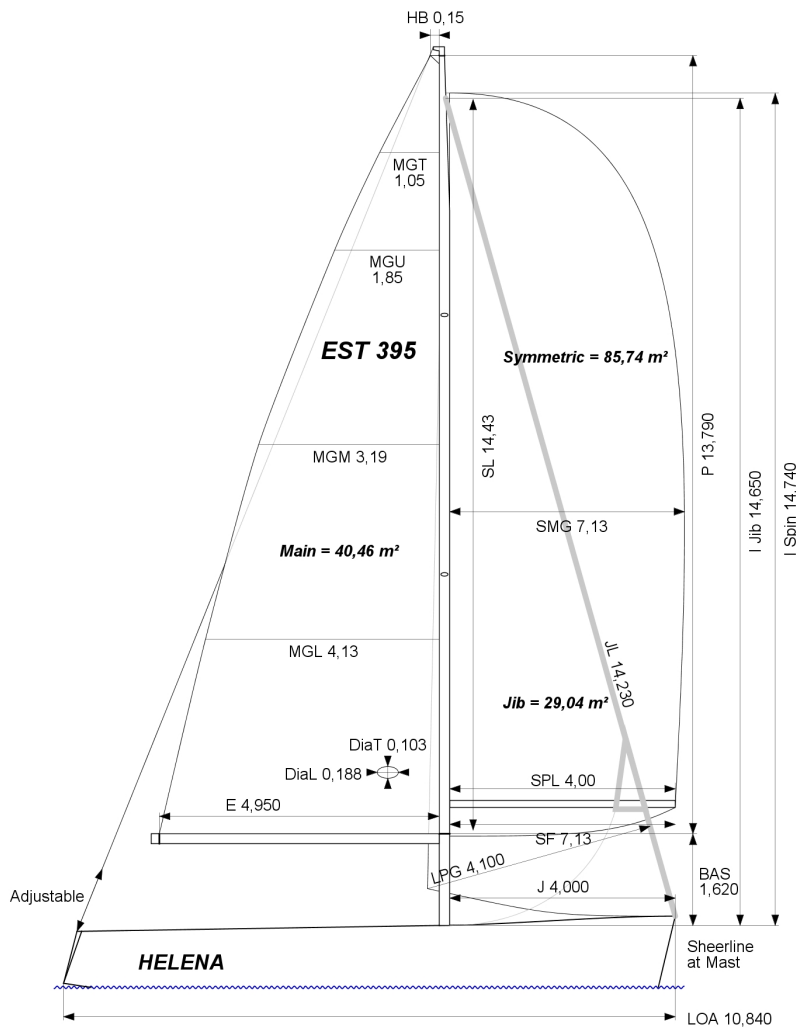
### Rating Office

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

### Certificate

Number **EST395**  
Issued On **1.06.2009**  
ORC Ref **EST00000295**  
VPP Ver. **1.11**  
Valid until **31.12.2009**

### Comments



<b>BOAT</b> Name <b>HELENA</b> Sail Nr <b>EST 395</b>	<b>GPH</b> <b>625,8</b>	<b>HULL</b> Data File <b>Est0395.dxt</b> LOA <b>10,840 m</b> Offset File <b>ba35mmk.off</b> MB <b>3,282 m</b> Displacement <b>5 900 kg</b> Draft <b>2,006 m</b>
<b>CLASS</b> Class <b>Bavaria 35 Match</b> Designer <b>J&amp;J DESIGN</b> Builder <b>Bavaria Yachtbau</b> Series <b>01.2004</b> Age Date <b>05.2006</b> Age Allowance <b>0,325%</b>	IMS Regulations Division <b>Cruiser/Racer</b> Dynamic Allowance <b>0,774%</b> Forward Accommodation <b>Yes</b> Hull Construction <b>Cored</b> Carbon Mast <b>No</b> Carbon Rudder <b>No</b>	<b>Crew Weight</b> Declared <b>540 kg</b> Default* <b>688 kg</b>
<b>HEAVY ITEMS</b> Bow Thruster <b>No</b> Generator <b>No</b> Air Condition <b>No</b> Windlass <b>No</b> Jib Furler <b>Yes</b> Desalinator <b>No</b> Heavy Deck <b>No</b> Main Furler <b>No</b> Headliners <b>No</b> Water Heater <b>No</b>	IMS L <b>10,308</b> Wetted Area <b>25,38 m²</b> VCGM <b>0,001</b>	<b>Special Scoring</b> ToD ToT Double <b>627,9 0,9556</b> Non Spinnaker <b>672,0 0,8928</b>
Anchor Weight Anchor LCG	Heavy Items Adjustment <b>0,0005</b> Total Gyradius Adjustment <b>0,0265</b>	<b>Sails Limitations</b> Genoas <b>1</b> Spinnakers <b>3</b> Jibs <b>0</b>
<b>SCORING OPTIONS</b>	<b>PROPELLER</b> Installation <b>Strut Drive</b> PRD <b>0,370</b> Type <b>Folding</b>	<b>Spinnaker configuration</b> Symmetric: <b>Yes 85,74</b> Asymmetric: <b>No</b> Code Zero: <b>No</b> Spin. Pole: <b>Yes</b>

	OFFSHORE COASTAL / LONG DISTANCE			INSHORE WINDWARD / LEEWARD		
	PLT	PLD		PLT	PLD	
Time On Distance	<b>625,8</b>			<b>699,9</b>		
Time On Time	<b>0,9587</b>			<b>0,9645</b>		
Performance Line	<b>0,844</b>	<b>105,9</b>		<b>0,974</b>	<b>279,7</b>	
Triple Number	Low <b>0,9343</b>	Medium <b>1,2209</b>	High <b>1,3740</b>	Low <b>0,7079</b>	Medium <b>0,9801</b>	High <b>1,1450</b>

### Stability

LPS (Estimated): **118,1°**  
Stability Index: **122,8**  
OSR Category: **0**

### Owner

DAKT-RENT OÜ  
Raba 37, Pärnu  
Estonia  
Pärnu JK

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

Signature