



World Leader in Rating Technology

2010 ORC Club Certificate

Rating Office

Estonian Yachting Union
Regati 1, 11911
Tallinn
Estonia

Certificate

Number **EST107**
Issued On **11.05.2010**
ORC Ref **EST00000911**
VPP Ver. **2010 1.11**
Valid until **31.12.2010**

Crew Weight

Declared **450 kg**
Default* **346 kg**
Non Manual Power **No**

Special Scoring

	ToD	ToT
Double	725,0	0,8275
Non Spinnaker	748,0	0,8022
N/S Perf. Line	110,8	0,716

Sails Limitations

Genoas **2** Spinnakers **3**
Jibs **2**

Spinnaker configuration

Symmetric: **Yes 32,40**
Asymmetric: **No**
Code Zero: **No**
Spin. Pole: **Yes**

Stability

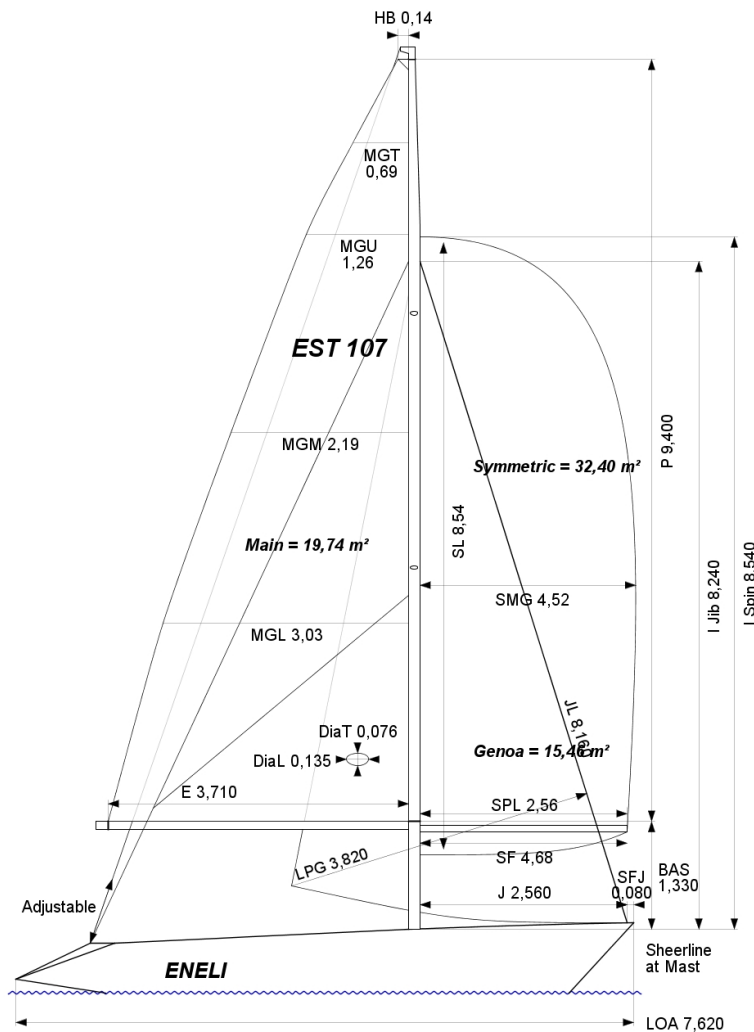
LPS (Measured): **116,6°**
Stability Index: **108,8**
OSR Category: **N/A**

Owner

Jens Kasemets
Kungla 38-26
Tallinn, Estonia
ESS Kalev JK

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

Signature



BOAT	GPH	HULL				
Name ENELI Sail Nr EST 107	720,1	Data File Est0107.dxt	LOA 7,620 m			
		Offset File Polari17.off	MB 2,692 m			
		Displacement 1 648 kg	Draft 1,724 m			
CLASS		IMS Division Performance	Dynamic All. 0,080%			
Class Polaris		Fwd Accom. Yes	Construction Solid			
Designer SET		Fiber No	Aramid Core No			
Builder SET		Carbon Mast No	Carbon Rudder No			
Series 01.1984		Anchor Wgt	Anchor LCG			
Age Date 01.1991		IMS L 6,147	Wetted Area 10,69 m²			
Age Allowance 0,975%			VCGM -0,088			
COMMENTS	Boat weight with engine Honda Four Stroke 2,3 hp					
PROPELLER	Type No Propeller					
CENTERBOARD	N/A					
SCORING OPTIONS						
	OFFSHORE COASTAL / LONG DISTANCE			INSHORE WINDWARD / LEEWARD		
Time On Distance	720,1			789,1		
Time On Time	0,8332			0,8554		
Performance Line	PLT	PLD		PLT	PLD	
	0,773	133,0		1,003	389,2	
Triple Number	Low	Medium	High	Low	Medium	High
	0,8316	1,0491	1,1811	0,6452	0,8660	0,9913



World Leader in Rating Technology

2010

ORC Club Certificate Appendix

BOAT

Name	ENELI	Certificate Number	EST107
Sail Nr	EST 107	Issued On	11.05.2010

TIME ALLOWANCES

Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	1150,4	950,1	870,4	823,4	797,3	780,8	773,5
52°	744,0	659,8	617,1	586,5	571,8	562,9	553,8
60°	712,3	640,9	601,4	570,9	552,0	543,2	533,7
75°	691,7	624,5	580,1	547,6	534,9	516,3	503,1
90°	680,1	612,1	570,9	538,9	512,4	499,8	479,4
110°	702,9	629,4	585,5	551,5	523,2	495,7	444,6
120°	737,6	648,5	599,9	563,7	534,2	507,9	451,2
135°	857,1	697,7	632,1	590,4	557,6	530,2	479,8
150°	1012,4	792,5	682,1	625,5	586,9	556,0	505,9
Run VMG	1169,0	915,1	765,7	681,6	628,5	591,1	535,7

Selected Courses

Windward / Leeward	1181,7	950,2	830,5	762,6	721,0	693,4	661,4
Circular Random	978,8	796,9	700,0	643,4	607,4	582,7	548,9
Ocean for PCS	1043,0	831,3	714,3	642,7	594,8	559,8	508,6
Non Spinnaker	1029,2	831,9	726,1	664,0	624,9	598,3	563,1

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	43,2°	39,7°	38,0°	37,1°	36,0°	35,3°	35,6°
Beat VMG	3,13	3,79	4,14	4,37	4,52	4,61	4,65
52°	4,84	5,46	5,83	6,14	6,30	6,40	6,50
60°	5,05	5,62	5,99	6,31	6,52	6,63	6,74
75°	5,20	5,76	6,21	6,57	6,73	6,97	7,16
90°	5,29	5,88	6,31	6,68	7,03	7,20	7,51
110°	5,12	5,72	6,15	6,53	6,88	7,26	8,10
120°	4,88	5,55	6,00	6,39	6,74	7,09	7,98
135°	4,20	5,16	5,70	6,10	6,46	6,79	7,50
150°	3,56	4,54	5,28	5,76	6,13	6,48	7,12
Run VMG	3,08	3,93	4,70	5,28	5,73	6,09	6,72
Gybe Angles	146,1°	147,6°	164,2°	172,8°	175,8°	176,4°	176,8°