



World Leader in Rating Technology

2011 ORC Club Certificate

Rating Office

Estonian Yachting Union
Regati 1, 11911
Tallinn
Estonia

Certificate

Number **EST107**
Issued On **28.04.2011**
ORC Ref **EST00001918**
VPP Ver. **2011.1.02**
Valid until **31.12.2011**

Crew Weight

Declared **410 kg**
Default* **346 kg**
Non Manual Power **No**

Special Scoring

	ToD	ToT
Double	733,3	0,8182
Non Spinnaker	750,9	0,7990
N/S Perf. Line	112,3	0,715

Sails Limitations

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

Spinnaker configuration

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

Stability

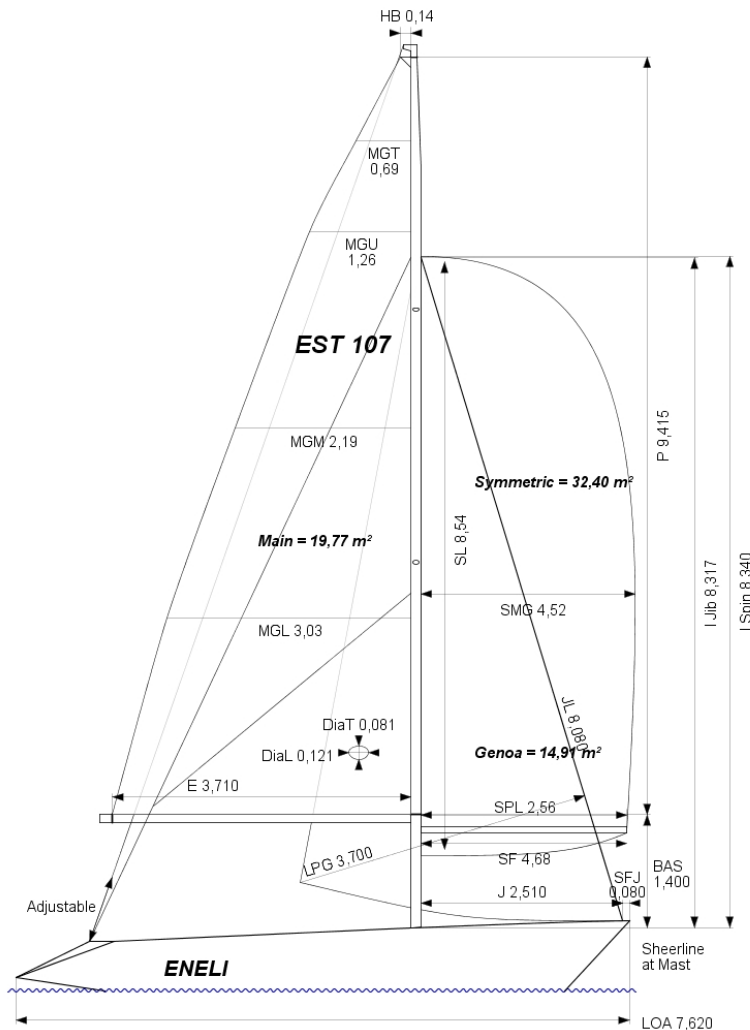
LPS (Measured): **116,3°**
Stability Index: **108,5**
OSR Category: **N/A**

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		728,6	Data File Est0107.dxt	LOA 7,620 m		
			Offset File Polari17.off	MB 2,692 m		
			Displacement 1 656 kg	Draft 1,725 m		
CLASS			IMS Division Performance	Dynamic All. 0,107%		
Class Polaris			Fwd Accom. Yes	Construction Solid		
Designer SET			Fiber No	Aramid Core No		
Builder SET			Crew Arm Ex	Carbon Rudder No		
Series 01.1984			Anchor Wgt	Anchor LCG		
Age Date 01.1991			IMS L 6,101	Wetted Area 10,71 m²	VCGM -0,084	
Age Allowance 0,975%						
COMMENTS			CENTERBOARD			
Boat weight with engine Honda Four Stroke 2,3 hp			N/A			
PROPELLER			SCORING OPTIONS			
Type No Propeller			OFFSHORE COASTAL / LONG DISTANCE		INSHORE WINDWARD / LEEWARD	
			728,6		782,1	
			0,8235		0,8631	
			PLT 0,767	PLD 135,0	PLT 0,817	PLD 272,8
			Low 0,8209	Medium 1,0378	Low 0,6392	Medium 0,8582
			High 1,1668	High 0,9792	High 0,9792	



World Leader in Rating Technology

2011

ORC Club Certificate Appendix

BOAT

Name	ENELI	Certificate Number	EST107
Sail Nr	EST 107	Issued On	28.04.2011

TIME ALLOWANCES

Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	1159,2	959,8	879,6	834,1	809,0	793,4	789,0
52°	751,1	666,1	622,7	592,9	579,3	570,7	562,3
60°	719,2	646,6	607,2	576,5	559,0	550,6	541,7
75°	698,6	633,3	595,3	565,6	540,4	523,0	510,7
90°	705,1	631,7	584,9	549,8	526,6	515,8	486,4
110°	724,4	638,4	590,3	554,6	525,6	498,6	449,8
120°	753,9	654,9	603,2	566,4	536,6	510,2	455,0
135°	866,9	704,4	635,5	593,3	560,2	532,5	481,3
150°	1024,0	799,2	685,6	628,0	589,3	558,1	507,7
Run VMG	1182,4	922,9	768,9	685,1	631,9	594,5	538,8

Selected Courses

Windward / Leeward	1193,0	958,7	837,3	769,7	728,7	701,5	670,8
Circular Random	991,3	806,5	708,1	650,7	614,5	589,7	556,0
Ocean for PCS	1055,2	840,8	722,5	650,4	602,3	567,1	514,3
Non Spinnaker	1032,4	834,9	729,0	666,9	627,8	601,5	567,2

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	43,3°	39,7°	38,1°	37,3°	36,3°	35,6°	36,0°
Beat VMG	3,11	3,75	4,09	4,32	4,45	4,54	4,56
52°	4,79	5,40	5,78	6,07	6,21	6,31	6,40
60°	5,01	5,57	5,93	6,24	6,44	6,54	6,65
75°	5,15	5,68	6,05	6,36	6,66	6,88	7,05
90°	5,11	5,70	6,15	6,55	6,84	6,98	7,40
110°	4,97	5,64	6,10	6,49	6,85	7,22	8,00
120°	4,78	5,50	5,97	6,36	6,71	7,06	7,91
135°	4,15	5,11	5,66	6,07	6,43	6,76	7,48
150°	3,52	4,50	5,25	5,73	6,11	6,45	7,09
Run VMG	3,04	3,90	4,68	5,25	5,70	6,06	6,68
Gybe Angles	146,6°	148,2°	164,2°	171,5°	174,8°	175,5°	175,9°