



World Leader in Rating Technology

2016 ORC Club Certificate

Rating Office

EYU
Regati 1
11911
Estonia

Certificate

Number **EST157**
Issued On **7.06.2016**
ORC Ref **EST00001096**
VPP Ver. **2016 1.01**
Valid until **31.12.2016**

Crew Weight

Declared	450kg
Default*	314kg
Non Manual Pwr	No

Special Scoring

	ToD	ToT
Double H.GPH	726,7	0,8256
Double H.OSN	709,4	0,8457
Non Spin GPH	741,4	0,8093
Non Spin OSN	718,0	0,8356
N/S Perf. Line	41,8	0,570

Sails Limitations

Headsails **5** Spinnakers **3**

Spinnaker configuration

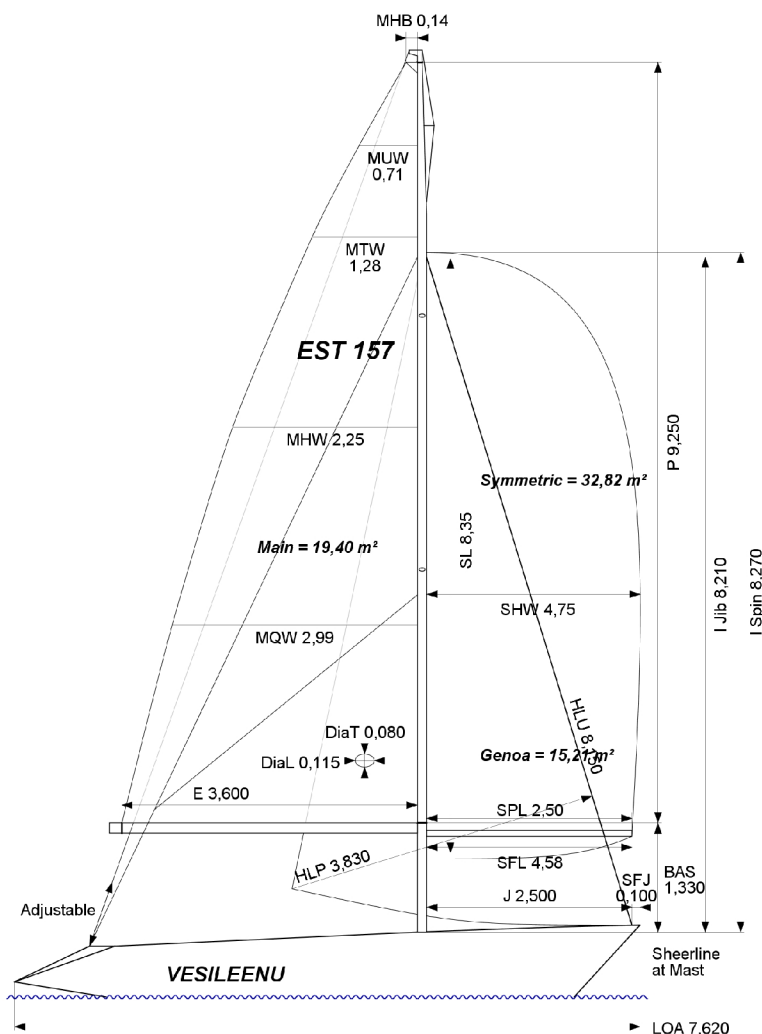
Symmetric: **Yes** **32,82**
Asymmetric: **No**
Flying H/S: **No**
Spin. Pole: **Yes**

Class Division Length

CDL = **6,343**

Stability

LPS (Estimated): **116,5°**
Stability Index: **108,7**
OSR Category: **N/A**



BOAT		GPH	HULL			
Name	VESILEENU	721,1	Data File	Est0157.dxt	LOA	7,620m
Sail Nr	EST 157		Off set File	Polari17.off	MB	2,692m
			Displacement	1 630kg	Draft	1,721m
CLASS			IMS Division	Performance	Dynamic All.	0,009%
Class	POLARIS		Fwd Accom.	Yes	Construction	Solid
Designer	SET		Fiber Rigging	No	Aramid Core	No
Builder	SET		Crew Arm Ex		Carbon Rudder	No
Series	06.1984				Light Stanchions	
Age Date	01.1991		IMSL	6,066m	VCGD	-0,089m Sink 8,22kg/mm
Age Allowance	0,487%		RL	6,620m	VCGM	-0,080m WS 10,64m²
COMMENTS			LSM0	5,763m	Displacement/Length ratio	8,5161
Jahi kaal deklareeritud 13.05.15			Water Ballast	0	Trim Tab	No
PROPELLER			CENTERBOARD			
Type	No Propeller		N/A			

SCORING OPTIONS						
	OFFSHORE COASTAL / LONG DISTANCE			INSHORE WINDWARD / LEEWARD		
Time On Distance	700,5			774,4		
Time On Time	0,8565			0,8717		
Performance Line	PLT	PLD		PLT	PLD	
	0,601	52,6		0,769	231,0	
Triple Number	Low	Medium	High	Low	Medium	High
	0,8236	1,0516	1,1841	0,6393	0,8671	0,9954



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ORC Club Certificate Appendix

BOAT

Name **VESILEENU**
Sail Nr **EST 157**

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TIME ALLOWANCES

Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	1178,4	988,8	881,6	820,7	795,7	784,6	785,0
52°	774,2	658,1	612,2	587,9	572,9	565,5	559,9
60°	730,0	633,6	597,0	573,0	554,3	544,2	536,9
75°	694,6	617,4	584,4	558,0	534,8	518,1	503,8
90°	698,2	619,4	581,2	547,7	524,3	513,9	482,9
110°	730,2	623,7	582,8	549,3	519,3	492,8	456,9
120°	760,0	637,7	591,5	558,5	528,0	501,3	450,0
135°	847,5	694,0	616,1	580,6	549,3	521,2	472,1
150°	992,1	789,6	669,0	609,6	577,2	547,8	497,9
Run VMG	1145,6	910,4	767,4	669,2	613,4	581,1	526,6

Selected Courses

Windward / Leeward	1162,0	949,6	824,5	745,0	704,6	682,8	655,8
Circular Random	985,5	800,0	700,5	642,2	605,8	581,4	549,8
Ocean for PCS	1206,2	935,7	783,4	690,3	629,5	586,4	524,1
Non Spinnaker	1020,8	825,0	719,6	657,7	619,0	593,4	561,5

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	42,6°	42,2°	40,4°	38,3°	37,1°	36,6°	37,0°
Beat VMG	3,06	3,64	4,08	4,39	4,52	4,59	4,59
52°	4,65	5,47	5,88	6,12	6,28	6,37	6,43
60°	4,93	5,68	6,03	6,28	6,49	6,61	6,70
75°	5,18	5,83	6,16	6,45	6,73	6,95	7,15
90°	5,16	5,81	6,19	6,57	6,87	7,00	7,45
110°	4,93	5,77	6,18	6,55	6,93	7,30	7,88
120°	4,74	5,65	6,09	6,45	6,82	7,18	8,00
135°	4,25	5,19	5,84	6,20	6,55	6,91	7,62
150°	3,63	4,56	5,38	5,91	6,24	6,57	7,23
Run VMG	3,14	3,95	4,69	5,38	5,87	6,20	6,84
Gybe Angles	149,0°	153,2°	155,6°	174,7°	180,0°	180,0°	180,0°