



2020
ORC Club
Certificate

Rating Office

Offshore
Racing
Congress



Certificate

Number **097/20**
 Issued On **03/07/2020**
 ORC Ref **03880000LU5**
 VPP Ver. **2020 1.02**
 Valid until **31/12/2020**

Crew Weight

Default 314kg
 Maximum **370kg**
 Minimum* **278kg**
 *when applied by the NoR and SI
 Non Manual Pwr **No**

Special Scoring

ToD ToT
 Non Spin GPH **734.3 0.8171**
 Non Spin OSN **712.9 0.8417**

Sails Limitations

Headsails **5** Spinnakers **4**

Spinnaker configuration

Symmetric: **Yes 33.01**
 Asymmetric: **No**
 Flying H/S: **No**
 Spin. Pole: **Yes**

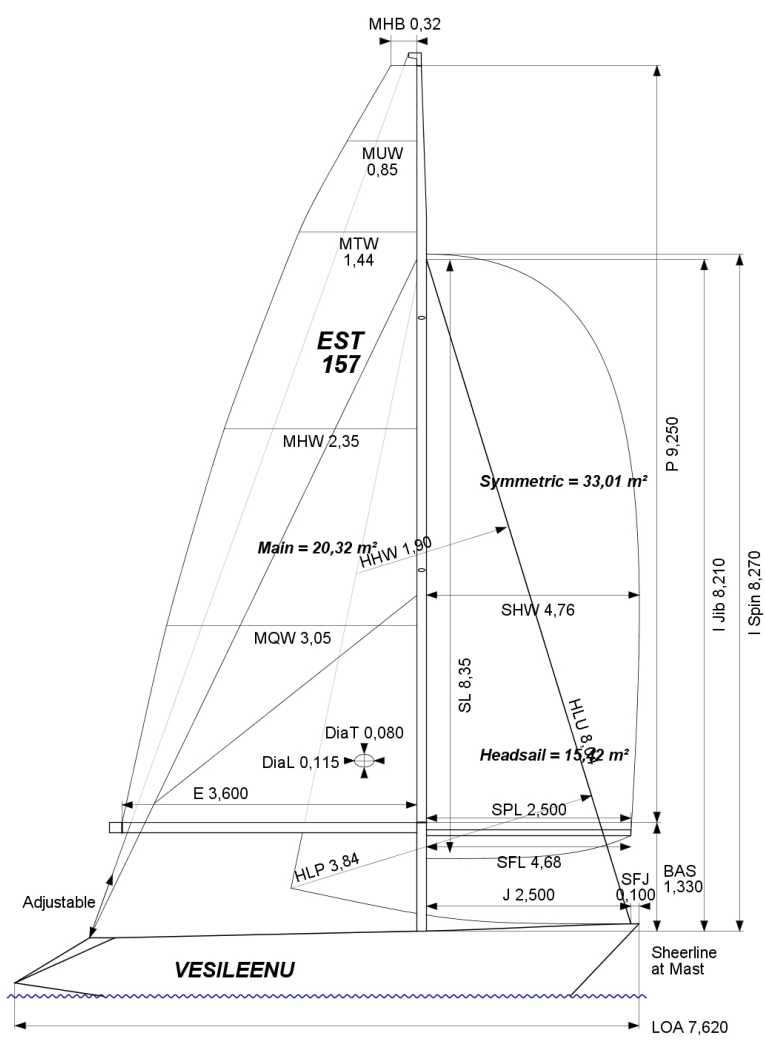
Class Division Length

CDL = **6.390**

Stability (Estimated)

Limit Positive Stab.: **117.1°**
 Stability Index: **109.4**

Owner



BOAT Name VESILEENU Sail Nr EST 157		GPH 713.2	HULL Data File EST157 LOA 7.620m Offset File Polari17.off MB 2.692m Displacement 1,675kg Draft 1.726m				
CLASS Class POLARIS Designer SET Builder SET Series 06/1984 Age Date 01/1991 Age Allowance 0.487%		IMS Division Performance Dynamic All. 0.007% Plan Review Construction Solid Fiber Rigging No Aramid Core No Crew Arm Ex Carbon Rudder No Light Stanchions		IMSL 6.091m VCGD -0.100m Sink 8.33kg/mm RL 6.697m VCGM -0.096m WS 10.78m² LSM0 5.766m Displacement/Length ratio 8.7376			
COMMENTS Jahi kaal deklareeritud 02.06.2020		Water Ballast 0 Trim Tab No BLR Index 0.0000					
PROPELLER Type No Propeller		CENTERBOARD NA					
SCORING OPTIONS							
	COASTAL / LONG DISTANCE			WINDWARD / LEEWARD			
Time on Distance	694.6			767.5			
Time on Time	0.8638			0.8795			
Triple Number	Low	Medium	High	Low	Medium	High	
Time on Distance	799.5	637.1	577.4	1023.2	768.1	685.2	
Time on Time	0.8443	1.0595	1.1691	0.6597	0.8788	0.9851	

2020

ORC Club Certificate Appendix

BOAT	
Name	VESILEENU
Certificate Number	097/20
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	1122.6	945.4	850.3	816.0	805.5	802.3	809.6
52°	745.4	647.3	611.0	593.6	585.8	581.7	581.0
60°	709.6	629.8	599.3	580.1	568.4	562.4	558.5
75°	687.2	618.5	588.9	565.3	546.4	534.2	524.9
90°	694.3	615.3	578.1	550.4	533.8	518.4	495.4
110°	714.6	616.6	576.9	543.6	515.6	492.7	466.2
120°	743.2	629.7	586.0	552.2	522.2	496.3	450.3
135°	828.7	681.5	610.3	575.5	544.0	516.2	466.8
150°	976.2	777.6	661.0	605.0	572.9	543.2	493.5
Run VMG	1127.3	897.4	758.0	662.8	609.1	577.1	522.5
Selected Courses							
Windward / Leeward	1124.9	921.4	804.2	739.4	707.3	689.7	666.0
Circular Random	964.0	786.5	693.1	639.9	607.7	587.0	560.7
Coastal / Long Distance	1125.1	869.7	734.0	659.8	621.0	589.1	533.8
Non Spinnaker	1001.1	812.8	713.0	655.8	621.1	598.7	570.8

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	41.3°	40.5°	38.3°	37.1°	36.8°	36.8°	37.5°
Beat VMG	3.21	3.81	4.23	4.41	4.47	4.49	4.45
52°	4.83	5.56	5.89	6.06	6.14	6.19	6.20
60°	5.07	5.72	6.01	6.21	6.33	6.40	6.45
75°	5.24	5.82	6.11	6.37	6.59	6.74	6.86
90°	5.18	5.85	6.23	6.54	6.74	6.95	7.27
110°	5.04	5.84	6.24	6.62	6.98	7.31	7.72
120°	4.84	5.72	6.14	6.52	6.89	7.25	8.00
135°	4.34	5.28	5.90	6.25	6.62	6.97	7.71
150°	3.69	4.63	5.45	5.95	6.28	6.63	7.29
Run VMG	3.19	4.01	4.75	5.43	5.91	6.24	6.89
Gybe Angles	148.0°	152.5°	155.5°	180.0°	180.0°	180.0°	180.0°