



2020 ORC Club Certificate

Rating Office

Offshore Racing Congress



Certificate

Number **036/20**
 Issued On **11/06/2020**
 ORC Ref **03880000K18**
 VPP Ver. **2020 1.02**
 Valid until **31/12/2020**

Crew Weight

Default 314kg
 Maximum **392kg**
 Minimum* **294kg**
*when applied by the NoR and SI
 Non Manual Pwr **No**

Special Scoring

| | ToD | ToT |
|--------------|--------------|---------------|
| Non Spin GPH | 733.6 | 0.8179 |
| Non Spin OSN | 711.9 | 0.8428 |

Sails Limitations

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

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

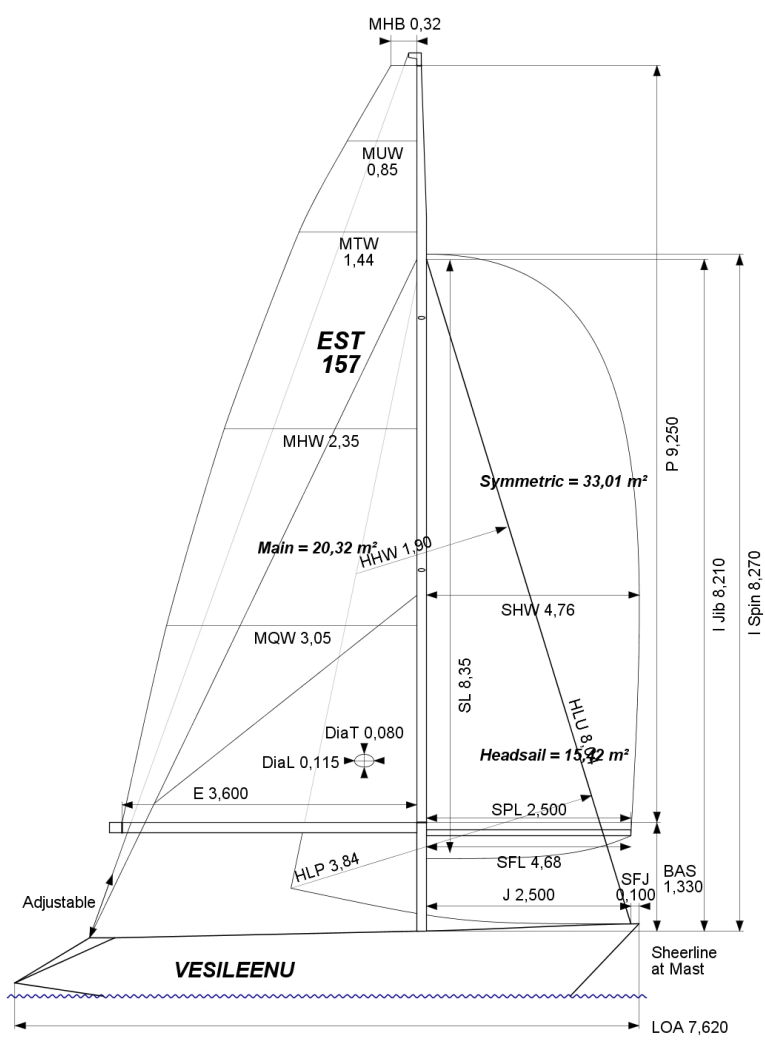
Class Division Length

CDL = 6.417

Stability (Estimated)

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

Owner



| BOAT | GPH | HULL |
|--|--------------------------------|---|
| Name VESILEENU Sail Nr EST-157 | 712.5 | 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 No |
| COMMENTS Jahi kaal deklareeritud 13.05.15 | | IMSL 6.091m VCGD -0.100m Sink 8.33kg/mm RL 6.751m VCGM -0.096m WS 10.78m² LSM0 5.766m Displacement/Length ratio 8.7376 |
| PROPELLER Type No Propeller | | Water Ballast 0 Trim Tab No BLR Index 0.0000 |
| | | CENTERBOARD NA |
| SCORING OPTIONS | | |
| | COASTAL / LONG DISTANCE | WINDWARD / LEEWARD |
| Time on Distance | 693.7 | 766.1 |
| Time on Time | 0.8649 | 0.8811 |
| Triple Number | Low Medium High | Low Medium High |
| Time on Distance | 799.5 636.3 575.9 | 1023.2 767.0 683.3 |
| Time on Time | 0.8443 1.0608 1.1721 | 0.6597 0.8801 0.9879 |

2020

ORC Club Certificate Appendix

| BOAT | |
|------------------------|----------------------------------|
| Name VESILEENU | Certificate Number 036/20 |
| Sail Nr EST-157 | Issued On 11/06/2020 |

| TIME ALLOWANCES | | | | | | | |
|-------------------------|---------------|--------------|--------------|--------------|--------------|--------------|--------------|
| Wind Velocity | 6 kt | 8 kt | 10 kt | 12 kt | 14 kt | 16 kt | 20 kt |
| Beat VMG | 1122.6 | 945.4 | 849.3 | 812.7 | 801.8 | 798.2 | 805.6 |
| 52° | 745.4 | 646.8 | 610.6 | 592.6 | 584.3 | 579.8 | 578.6 |
| 60° | 709.7 | 629.3 | 598.9 | 579.2 | 566.8 | 560.5 | 556.3 |
| 75° | 687.2 | 618.1 | 588.6 | 564.8 | 545.4 | 532.7 | 522.9 |
| 90° | 694.4 | 615.0 | 577.7 | 549.5 | 531.9 | 517.6 | 493.8 |
| 110° | 714.6 | 616.6 | 576.8 | 543.3 | 515.2 | 491.9 | 464.0 |
| 120° | 743.2 | 629.7 | 586.0 | 552.3 | 522.1 | 496.1 | 449.3 |
| 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 | 803.6 | 737.8 | 705.4 | 687.6 | 664.1 |
| Circular Random | 963.8 | 786.1 | 692.4 | 638.9 | 606.5 | 585.6 | 559.0 |
| Coastal / Long Distance | 1125.2 | 869.7 | 733.6 | 658.6 | 619.6 | 587.8 | 532.3 |
| Non Spinnaker | 1000.8 | 812.4 | 712.4 | 654.9 | 620.0 | 597.4 | 569.2 |

| 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 | 41.3° | 40.5° | 38.3° | 36.8° | 36.6° | 36.6° | 37.5° |
| Beat VMG | 3.21 | 3.81 | 4.24 | 4.43 | 4.49 | 4.51 | 4.47 |
| 52° | 4.83 | 5.57 | 5.90 | 6.08 | 6.16 | 6.21 | 6.22 |
| 60° | 5.07 | 5.72 | 6.01 | 6.22 | 6.35 | 6.42 | 6.47 |
| 75° | 5.24 | 5.82 | 6.12 | 6.37 | 6.60 | 6.76 | 6.88 |
| 90° | 5.18 | 5.85 | 6.23 | 6.55 | 6.77 | 6.96 | 7.29 |
| 110° | 5.04 | 5.84 | 6.24 | 6.63 | 6.99 | 7.32 | 7.76 |
| 120° | 4.84 | 5.72 | 6.14 | 6.52 | 6.89 | 7.26 | 8.01 |
| 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° |