

BOAT

Name **POSTIMEES**
File **EST850**

Sail Nr **EST 850**
Data in **meters/kilograms**

RIG

Forestay Tension **Aft & Forward**
Inner Stay **None Fitted**
Carbon Mast **Yes**
Fiber Rigging **No**
Non-Circular Rigging **No**
Articulated Bowsprit **No**

Spreaders **2**
Runners/Checkstays **0**
Jib Furler **No**
Main Furler **No**

P **14.255** E **5.150** MDT1 **0.122** MW **0.175**
IG **14.840** J **4.430** MDL1 **0.210** GO **0.200**
ISP **14.880** SFJ **0.230** MDT2 **0.104** BD **0.300**
BAS **1.810** SPL **4.650** MDL2 **0.143** MWT **138.00**
FSD **0.034** TPS **4.470** TL **2.520** MCG **4.720**

INCLINING TEST AND FREEBOARDS

Inclining Test **Current Inclining**

Flotation date **31/05/2018**

SG **1.0000**

FFM **1.135** FF **1.143** SFFP **0.000**

FAM **0.724** FA **0.731** SAFP **11.312**

W1 **90.5** PD1 **562.8** WD **12.220**

W2 **90.5** PD2 **560.5** GSA **1.0**

W3 **90.5** PD3 **567.3** RSA **1.0**

W4 **90.5** PD4 **561.6** PLM **9000.0**

LCF from stem on CL / on sheer **6.288 / 6.509**

Maximum beam station from stem **8.500**

RM Measured **154.7kg·m**

RM Default **162.6kg·m**

Limit of positive stability / Stab.Index **120.0° / 119.6**

Freeboard at mast at 4.660 **1.342**

MIZZEN RIG AND SAILS

N/A

COMMENTS

PROPELLER

Installation **Strut** PRD **0.405**

Type **Folding 2 blades** PBW **0.106**

Twin Screw **No** PIPA **0.0036**

ST1 **0.050** ST3 **0.180** ST5 **0.300**

ST2 **0.180** ST4 **0.110** EDL **1.830**

MOVABLE BALLAST

N/A

CENTERBOARD

N/A

Certificate

Number **132/20**

ORC Ref **03880000NVO**

Issued On **04/08/2020**

VPP Ver. **2020 1.02**

Valid until **31/12/2020**

EJL

ESTONIAN YACHTING UNION

SAILS INVENTORY

MAINSAIL (2)

Id MHB MUW MTW MHW MQW Area Measurer Meas.Date Manufacture Material Comment

1a 0.40 1.21 2.03 3.34 4.33 44.45 25/06/2019 NorthSails Carbon 3Di 780
2a 0.17 0.95 1.71 3.07 4.15 41.33 25/06/2019 NorthSails Unknown 3Di Nordac

HEADSAILS (8)

Id HHB HUW HTW HHW HQW HLP HLU Ovr1p Area Btn Flying Measurer Meas.Date Manufacture Material Comment

8a 0.11 0.81 1.50 2.60 3.59 4.71 14.47 106% 36.30 No EST8 29/06/2020 North Sails Unknow Light 2019
7a 0.13 0.76 1.41 2.56 3.66 4.73 14.38 107% 35.94 N No 25/06/2019 North Sails Unknow JibTop
2a 0.12 0.77 1.45 2.56 3.59 4.70 14.40 106% 35.80 N No 25/06/2019 North Sails Unknow Light/Medium 3Di
3a 0.10 0.80 1.47 2.53 3.52 4.66 14.42 105% 35.51 N No 25/06/2019 North Sails Unknow Medium 3Di
4a 0.10 0.58 1.10 2.13 3.19 4.26 13.31 96% 28.56 N No 25/06/2019 North Sails Unknow Heavy 3Di
9 0.10 0.67 1.25 2.35 3.48 4.62 12.00 104% 28.26 No Shayamali 24/01/2020 North Sails Unknow J3.5

SYMMETRIC SPINNAKERS (4)

Id SLU SLE SL SHW SFL Area Measurer Meas.Date Manufacture Material Comment

2 14.86 14.86 14.86 8.81 8.38 108.04 EST8 29/06/2020 North Sails Unknown S2 2020
1 14.98 14.98 14.98 8.64 8.55 107.64 EST8 29/06/2020 North Sails Unknown S1 2019
4a 14.60 14.60 14.60 8.44 8.07 101.79 25/06/2019 Unknown S2 Sugar
3a 14.95 14.95 14.95 8.05 8.57 101.59 25/06/2019 Unknown S3

ASYMMETRIC SPINNAKERS (0)

Id SLU SLE SL SHW SFL Area Kind Measurer Meas.Date Manufacture Material Comment

MEASUREMENT INVENTORY

Measurer **Tagu EST7**

Date **31/05/2018**

Comment **Tallinn - Pirita**

Internal Ballast total = 0.0

Id Item Weight Distance VCG Description

Id Item Maker Model

1 Engine Yanmar 3YM30AE

Id Item Weight Description

MEASUREMENT INVENTORY

Id Item Tank Use Tank Type Capcty Dist. VCG Condt Description

1 Tank Fuel st.steel 80.0 9.36 5-0
2 Tank Water neopr. bag 55.0 5.76 0-0 Port.
3 Tank Sewage neopr. bag 55.0 3.76 0-0 Port

Id Item Weight Distance VCG Description

1 Battery 8.36 2x105 Ah "Banner"
1 Misc 10.30 autopilot "Jefa"
2 Misc 10.80 "Eberspächer"

2020

ORC Club Certificate Appendix

BOAT

Name **POSTIMEES SAILING TEAM** Certificate Number **132/20**
Sail Nr **EST 850** Issued On **04/08/2020**

TIME ALLOWANCES

Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	1022.9	841.5	742.0	700.9	685.7	680.3	670.9
52°	664.6	558.4	505.6	485.1	478.4	475.5	470.6
60°	626.0	532.5	490.8	472.4	464.5	460.7	456.7
75°	596.9	514.3	480.4	460.8	446.2	437.3	431.0
90°	603.9	515.2	475.0	458.7	440.4	423.3	402.5
110°	608.3	505.6	465.9	439.6	419.0	406.8	386.2
120°	625.1	515.1	470.8	443.0	416.4	393.3	366.7
135°	690.7	559.6	492.1	460.9	434.7	409.5	360.6
150°	823.4	656.1	551.9	491.8	462.7	438.4	392.6
Run VMG	950.7	757.6	637.3	560.5	510.9	475.5	428.3
Selected Courses							
Windward / Leeward	986.8	799.6	689.7	630.7	598.3	577.9	549.6
Circular Random	827.7	668.1	582.8	533.5	503.4	483.4	457.3
Coastal / Long Distance	983.2	750.6	621.9	551.3	513.9	483.7	435.5
Non Spinnaker	886.8	709.8	613.9	557.8	523.2	500.6	471.9

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	43.5°	42.0°	40.9°	39.8°	39.8°	39.8°	40.1°
Beat VMG	3.52	4.28	4.85	5.14	5.25	5.29	5.37
52°	5.42	6.45	7.12	7.42	7.52	7.57	7.65
60°	5.75	6.76	7.34	7.62	7.75	7.81	7.88
75°	6.03	7.00	7.49	7.81	8.07	8.23	8.35
90°	5.96	6.99	7.58	7.85	8.17	8.51	8.94
110°	5.92	7.12	7.73	8.19	8.59	8.85	9.32
120°	5.76	6.99	7.65	8.13	8.65	9.15	9.82
135°	5.21	6.43	7.32	7.81	8.28	8.79	9.98
150°	4.37	5.49	6.52	7.32	7.78	8.21	9.17
Run VMG	3.79	4.75	5.65	6.42	7.05	7.57	8.40
Gybe Angles	140.5°	148.5°	149.0°	156.3°	172.0°	180.0°	180.0°