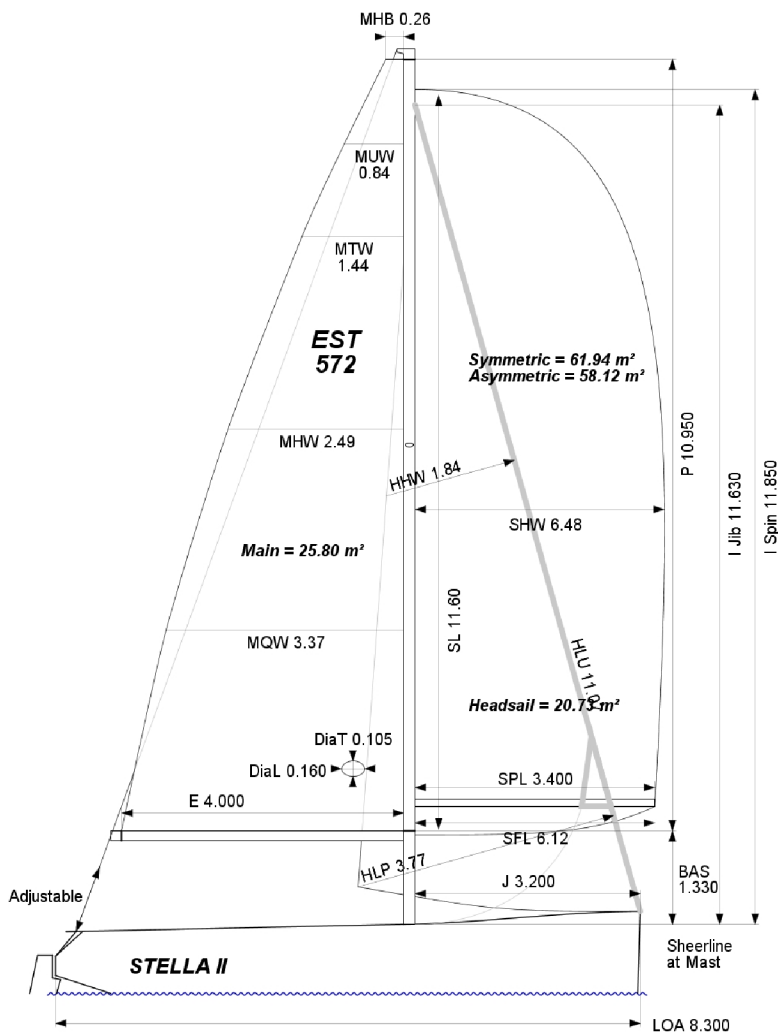




BOAT		GPH	HULL	
Name	STELLA II	692.4	Data File	EST572
Sail Nr	EST-572		LOA	8.300m
CLASS			Offset File	F27_7jl.OFF
Class	First 27.7		MB	3.026m
Designer	Gruop Finot		Displacement	3,175kg
Builder	Beneteau		Draft	2.151m
Series	09/2002		IMS Division	Cruiser/Racer
Age Date	06/2009		Dynamic All.	0.235%
Age Allowance	0.487%		Plan Review	Construction Solid
COMMENTS			Fiber Rigging	No
PROPELLER			Aramid Core	No
Installation	Strut	PRD 0.380	Carbon Rudder	No
Type	Folding 2 blades	PIPA 0.0031	Light Stanchions	No
SCORING OPTIONS			IMSL	8.372m
			VCGD	-0.130m
			Sink	14.56kg/mm
			RL	7.164m
			VCGM	-0.111m
			WS	19.23m²
			LSM0	8.746m
			Displacement/Length ratio	4.7459
			Water Ballast	0
			Trim Tab	No
			BLR Index	0.0000
			CENTERBOARD	
			N/A	

SCORING OPTIONS						
	COASTAL / LONG DISTANCE			WINDWARD / LEEWARD		
Time on Distance	668.6			742.0		
Time on Time	0.8974			0.9096		
Triple Number	Low	Medium	High	Low	Medium	High
Time on Distance	808.6	609.5	533.9	1045.7	748.6	635.5
Time on Time	0.8348	1.1074	1.2643	0.6455	0.9017	1.0622



Rating Office
Estonian Yachting Union
 Purje 8, maja 3
 11911 Tallinn
 Estonia



Certificate
 Number 042/20
 Issued On 05/06/2020
 ORC Ref 03880000K04
 VPP Ver. 2020 1.02
 Valid until 31/12/2020

Crew Weight
 Default 569kg
 Maximum 569kg
 Minimum* 427kg
 *when applied by the NoR and SI
 Non Manual Pwr No

Special Scoring
 ToD ToT
 Non Spin GPH 733.9 0.8176
 Non Spin OSN 704.9 0.8511

Sails Limitations
 Headsails 1 Spinnakers 4

Spinnaker configuration
 Symmetric: Yes 61.94
 Asymmetric: Yes 58.12
 Flying H/S: No
 Spin. Pole: Yes

Class Division Length
 CDL = 7.767

Stability (Estimated)
 Limit Positive Stab.: 118.7°
 Stability Index: 116.9

BOAT Name STELLA II Sail Nr EST-572 File EST572 Data in meters/kilograms		INCLINING TEST AND FREEBOARDS Inclining Test Enter VCG directly Flotation date 05/06/2020 SG 1.0265 VCGDe -0.130		 ORC Offshore Racing Congress World leader in rating technology 2020 Measurements Datasheet
RIG Forestay Tension Aft Spreaders 1 Inner Stay None Fitted Runners/Checkstays 0 Carbon Mast No Jib Furler Yes Fiber Rigging No Main Furler No Non-Circular Rigging No Articulated Bowsprit No		FFM 1.164 FF 1.164 SFFP 0.163 FAM 0.803 FA 0.803 SAFF 8.148 LCF from stem on CL / on sheer 4.921 / 5.125 Maximum beam station from stem 5.832 RM Measured 83.2kg·m RM Default 64.6kg·m Limit of positive stability / Stab.Index 118.7° / 116.9 Freeboard at mast at 3.200 0.982		
P 10.950 E 4.000 MDT1 0.105 MW 0.000 IG 11.630 J 3.200 MDL1 0.160 GO 0.000 ISP 11.850 SFJ 0.000 MDT2 0.000 BD BAS 1.330 SPL 3.400 MDL2 0.000 MWT FSD -3.000 TPS -3.000 TL -3.000 MCG				
MIZZEN RIG AND SAILS N/A		PROPELLER Installation Strut PRD 0.380 Type Folding 2 blades PBW Twin Screw No PIPA 0.0031 ST1 0.042 ST3 ST5 0.250 ST2 ST4 0.111 EDL 2.000		
COMMENTS 		MOVABLE BALLAST N/A		 EJL ESTONIAN YACHTING UNION
		CENTERBOARD N/A		

SAILS INVENTORY																
MAINSAIL (1)																
Id	MHB	MUW	MTW	MHW	MQW	Area	Measurer	Meas.Date	Manufacture	Material	Comment					
1	0.26	0.84	1.44	2.49	3.37	25.81	EST8	05/06/2009		Dacron						
HEADSAILS (1)																
Id	HHB	HUW	HTW	HHW	HQW	HLP	HLU	Ovrlp	Area	Btn	Flying	Measurer	Meas.Date	Manufacture	Material	Comment
1	0.08	0.48	0.92	1.84	2.81	3.77	11.07	118%	20.73	N	No		04/06/2009		Unknown	
SYMMETRIC SPINNAKERS (1)																
Id	SLU	SLE	SL	SHW	SFL	Area	Measurer	Meas.Date	Manufacture	Material	Comment					
1	11.60	11.60	11.60	6.48	6.12	61.95		09/06/2010		Unknown						
ASYMMETRIC SPINNAKERS (1)																
Id	SLU	SLE	SL	SHW	SFL	Area	Kind	Measurer	Meas.Date	Manufacture	Material	Comment				
1	11.96	9.96	10.96	6.60	5.42	58.13	asym		04/06/2009		Unknown					

2020

ORC Club Certificate Appendix

BOAT

Name **STELLA II**
Sail Nr **EST-572**

Certificate Number **042/20**
Issued On **05/06/2020**

TIME ALLOWANCES

Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	1215.5	994.8	872.8	788.9	749.0	737.5	738.3
52°	795.4	663.9	592.3	557.9	541.4	534.4	531.6
60°	753.1	631.5	573.0	545.9	529.4	519.5	514.6
75°	724.6	609.0	559.4	535.8	517.2	500.8	483.1
90°	703.7	585.4	538.7	514.7	501.8	492.5	459.5
110°	703.0	581.8	535.9	506.6	478.5	454.8	430.1
120°	729.9	598.0	542.5	512.5	482.8	454.6	409.5
135°	808.6	655.1	568.8	532.0	504.2	475.3	420.1
150°	956.9	751.7	634.1	564.1	531.6	505.9	453.6
Run VMG	1104.9	868.0	730.7	639.2	576.3	540.0	489.9
Selected Courses							
Windward / Leeward	1160.2	931.4	801.8	714.1	662.6	638.8	614.1
Circular Random	967.7	775.6	671.0	609.3	570.9	545.8	514.3
Coastal / Long Distance	1154.6	873.4	721.8	627.4	578.9	546.1	491.1
Non Spinnaker	1042.3	828.1	710.0	639.6	595.8	567.6	534.4

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	43.1°	41.3°	40.5°	39.0°	37.5°	36.8°	37.1°
Beat VMG	2.96	3.62	4.12	4.56	4.81	4.88	4.88
52°	4.53	5.42	6.08	6.45	6.65	6.74	6.77
60°	4.78	5.70	6.28	6.59	6.80	6.93	7.00
75°	4.97	5.91	6.44	6.72	6.96	7.19	7.45
90°	5.12	6.15	6.68	6.99	7.17	7.31	7.83
110°	5.12	6.19	6.72	7.11	7.52	7.92	8.37
120°	4.93	6.02	6.64	7.02	7.46	7.92	8.79
135°	4.45	5.50	6.33	6.77	7.14	7.57	8.57
150°	3.76	4.79	5.68	6.38	6.77	7.12	7.94
Run VMG	3.26	4.15	4.93	5.63	6.25	6.67	7.35
Gybe Angles	146.0°	150.5°	152.0°	159.0°	180.0°	180.0°	180.0°