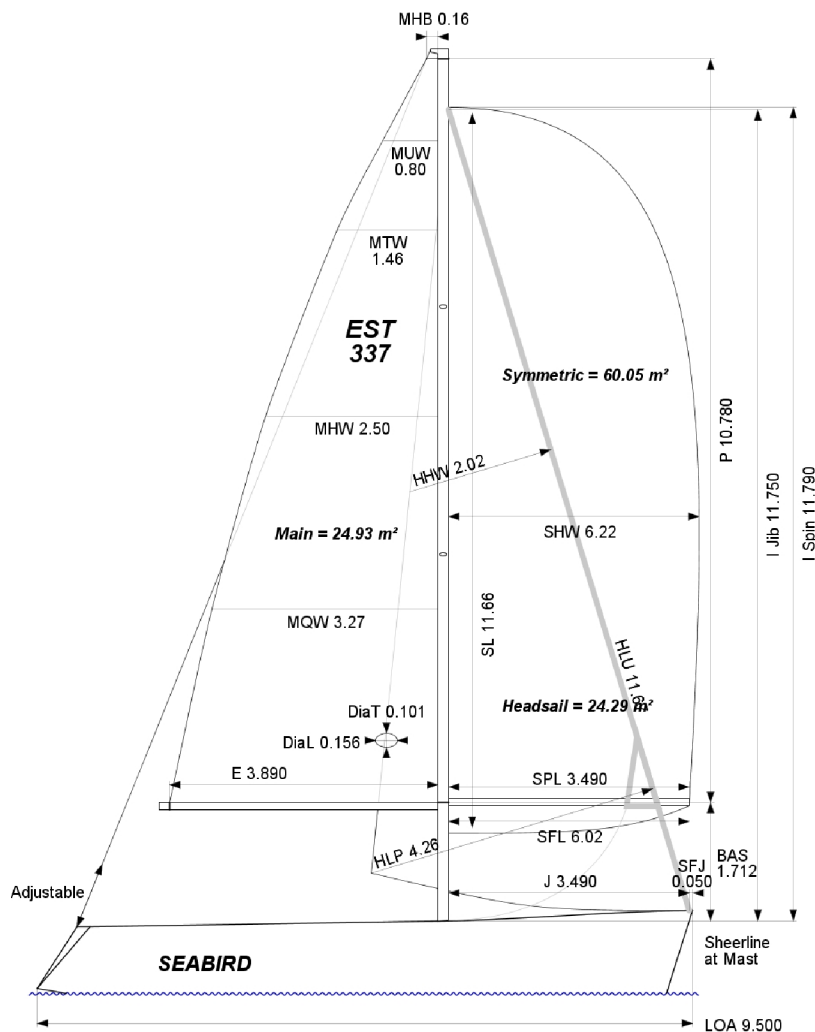




BOAT		GPH	HULL	
Name	SEABIRD	679.3	Data File	EST337
Sail Nr	EST 337		Offset File	IFRST317.OFF
CLASS			Displacement	3,659kg
Class	First 31.7		IMS Division	Cruiser/Racer
Designer	Farr		Plan Review	Dynamic All. 0.312%
Builder	Beneteau S.A.		Fiber Rigging	No
Series	02/1998		Crew Arm Ex	No
Age Date	05/2003			Construction Solid
Age Allowance	0.487%			Aramid Core No
COMMENTS				Carbon Rudder No
ex. Evelyn II				Light Stanchions
PROPELLER			IMSL	8.925m
Installation	Strut	PRD 0.410	RL	7.260m
Type	Folding 2 blades	PIPA 0.0031	VCGD	0.079m
CENTERBOARD			Sink	15.53kg/mm
			WS	20.20m²
			LSM0	8.890m
			Displacement/Length ratio	
			Water Ballast	Trim Tab No
			BLR Index	0.0000
			N/A	

SCORING OPTIONS						
	COASTAL / LONG DISTANCE			WINDWARD / LEEWARD		
Time on Distance	657.7			734.6		
Time on Time	0.9123			0.9189		
Triple Number	Low	Medium	High	Low	Medium	High
Time on Distance	789.0	598.8	530.4	1020.9	739.7	637.9
Time on Time	0.8555	1.1273	1.2727	0.6612	0.9125	1.0581



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



Certificate
 Number 015/20
 Issued On 09/06/2020
 ORC Ref 03880000KBF
 VPP Ver. 2020 1.02
 Valid until 31/12/2020

Crew Weight
 Default 582kg
 Maximum 470kg
 Minimum* 353kg
 *when applied by the NoR and SI
 Non Manual Pwr No

Special Scoring
 ToD ToT
 Non Spin GPH 712.9 0.8416
 Non Spin OSN 688.1 0.8719

Sails Limitations
 Headsails 1 Spinnakers 4

Spinnaker configuration
 Symmetric: Yes 60.05
 Asymmetric: No
 Flying H/S: No
 Spin. Pole: Yes

Class Division Length
 CDL = 8.090

Stability (Measured)
 Limit Positive Stab.: 112.8°
 Stability Index: 110.6

BOAT										INCLINING TEST AND FREEBOARDS										
Name SEABIRD					Sail Nr EST 337					Inclining Test Current Inclining										
File EST337					Data in meters/kilograms					Flotation date 12/06/2003 SG 1.0050										
RIG Forestay Tension Aft Spreaders 2 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 1.177		FF 1.192		SFFP 0.413						
										FAM 0.959		FA 0.967		SAFP 8.737						
										W1 46.1		PD1 205.0		WD 9.950						
										W2 46.1		PD2 204.0		GSA 12.6						
										W3 46.1		PD3 205.0		RSA 4298.7						
W4 46.1		PD4 204.0		PLM 2005.0																
LCF from stem on CL / on sheer 5.323 / 5.550 Maximum beam station from stem 6.085 RM Measured 78.5kg·m RM Default 75.2kg·m Limit of positive stability / Stab.Index 112.8° / 110.6 Freeboard at mast at 3.540 1.059																				
MIZZEN RIG AND SAILS N/A										PROPELLER Installation Strut PRD 0.410 Type Folding 2 blades PBW Twin Screw No PIPA 0.0031 ST1 0.047 ST3 0.175 ST5 0.305 ST2 0.175 ST4 0.096 EDL 2.550										
COMMENTS ex. Evelyn II										MOVABLE BALLAST N/A										
										CENTERBOARD N/A										
SAILS INVENTORY																				
MAINSAIL (1)																				
Id	MHB	MUW	MTW	MHW	MQW	Area	Measurer	Meas.Date	Manufacture	Material	Comment									
1a	0.16	0.80	1.46	2.50	3.27	24.93			North	Unknown										
HEADSAILS (1)																				
Id	HHB	HUW	HTW	HHW	HQW	HLP	HLU	Ovrlp	Area	Btn	Flying	Measurer	Meas.Date	Manufacture	Material	Comment				
3	0.08	0.53	1.01	2.02	3.11	4.26	11.67	122%	24.29		No				Unknown					
SYMMETRIC SPINNAKERS (1)																				
Id	SLU	SLE	SL	SHW	SFL	Area	Measurer	Meas.Date	Manufacture	Material	Comment									
2	11.66	11.66	11.66	6.22	6.02	60.05					Unknown									
ASYMMETRIC SPINNAKERS (0)																				
Id	SLU	SLE	SL	SHW	SFL	Area	Kind	Measurer	Meas.Date	Manufacture	Material	Comment								



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2020 Measurements Datasheet

Certificate

Number **015/20**
 ORC Ref **03880000KBF**
 Issued On **09/06/2020**
 VPP Ver. **2020 1.02**
 Valid until **31/12/2020**



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 UNION

2020

ORC Club Certificate Appendix

BOAT			
Name	SEABIRD	Certificate Number	015/20
Sail Nr	EST 337	Issued On	09/06/2020

TIME ALLOWANCES							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	1172.5	967.8	853.2	783.7	757.5	750.6	760.1
52°	761.9	642.1	575.2	543.6	530.5	526.4	526.4
60°	718.9	609.8	554.8	529.2	516.1	510.6	508.8
75°	689.3	585.7	540.0	517.4	501.1	488.6	478.2
90°	698.7	582.1	528.9	505.7	495.2	478.4	450.3
110°	694.0	572.1	522.0	494.3	468.7	447.8	425.9
120°	716.7	587.1	528.5	499.3	472.5	446.3	404.1
135°	795.4	644.5	557.9	518.6	492.2	465.3	413.1
150°	941.9	740.8	625.2	553.5	518.4	493.9	444.5
Run VMG	1087.7	855.4	720.7	630.6	568.1	528.2	479.6
Selected Courses							
Windward / Leeward	1130.1	911.6	787.0	707.2	662.8	639.4	619.9
Circular Random	944.6	758.9	658.4	599.8	564.0	541.1	514.6
Coastal / Long Distance	1125.8	855.3	707.3	617.6	573.1	540.2	486.7
Non Spinnaker	1004.9	801.4	690.0	624.3	583.9	558.3	528.7

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	43.9°	42.0°	41.1°	40.1°	39.4°	39.0°	39.9°
Beat VMG	3.07	3.72	4.22	4.59	4.75	4.80	4.74
52°	4.73	5.61	6.26	6.62	6.79	6.84	6.84
60°	5.01	5.90	6.49	6.80	6.98	7.05	7.08
75°	5.22	6.15	6.67	6.96	7.18	7.37	7.53
90°	5.15	6.18	6.81	7.12	7.27	7.53	7.99
110°	5.19	6.29	6.90	7.28	7.68	8.04	8.45
120°	5.02	6.13	6.81	7.21	7.62	8.07	8.91
135°	4.53	5.59	6.45	6.94	7.31	7.74	8.72
150°	3.82	4.86	5.76	6.50	6.94	7.29	8.10
Run VMG	3.31	4.21	5.00	5.71	6.34	6.82	7.51
Gybe Angles	146.0°	150.0°	152.0°	157.5°	175.0°	180.0°	180.0°