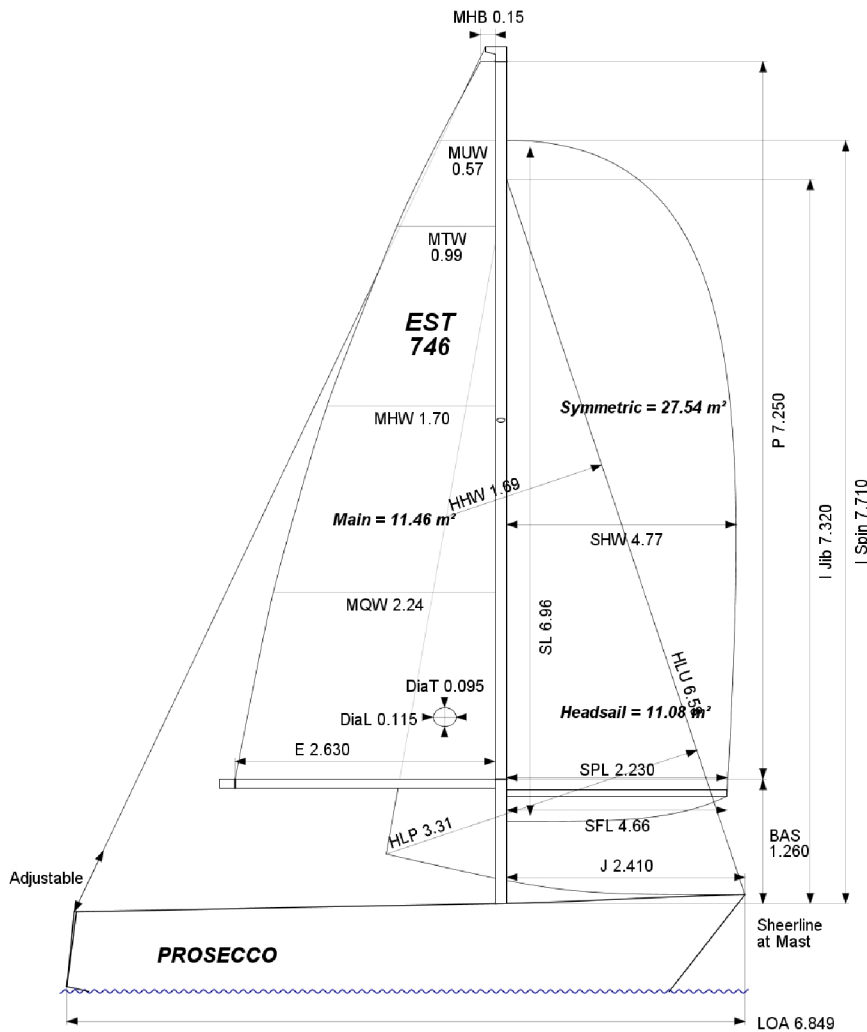




ORC
Offshore Racing Congress
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2020
ORC Club
Certificate

Rating Office

Estonian Yachting Union
Purje 8, maja 3
11911 Tallinn
Estonia



ESTONIAN
YACHTING
UNION

Certificate

Number **141/20**
Issued On **05/08/2020**
ORC Ref **0388000001R**
VPP Ver. **2020 1.02**
Valid until **31/12/2020**

Crew Weight

Default **299kg**
Maximum **260kg**
Minimum* **175kg**
*when applied by the NoR and SI
Non Manual Pwr

Special Scoring

ToD ToT
Non Spin GPH **855.1 0.7017**
Non Spin OSN **826.8 0.7257**

Sails Limitations

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

Spinnaker configuration
Symmetric: **Yes 27.54**
Asymmetric: **No**
Flying H/S: **No**
Spin. Pole: **Yes**

Class Division Length
CDL = **5.137**

Stability (Estimated)
Limit Positive Stab.: **116.8°**
Stability Index: **108.5**

BOAT		GPH	HULL	
Name	Prosecco	818.8	Data File	EST746 LOA 6.849m
Sail Nr	EST746		Offset File	YPTON22.OFF MB 2.448m
			Displacement	1,200kg Draft 0.773m
CLASS			IMS Division	Cruiser/Racer Dynamic All. 0.350%
			Plan Review	Construction Solid
			Fiber Rigging	No Aramid Core No
			Crew Arm Ex	Carbon Rudder No
				Light Stanchions No
			IMSL	5.850m VCGD 0.026m Sink 7.18kg/mm
			RL	4.424m VCGM 0.026m WS 9.83m²
			LSM0	5.577m Displacement/Length ratio 6.9180
COMMENTS			Water Ballast	Trim Tab No
			BLR Index	0.0000
PROPELLER			CENTERBOARD	
		Type No Propeller	N/A	

SCORING OPTIONS						
	COASTAL / LONG DISTANCE			WINDWARD / LEEWARD		
Time on Distance	797.0			894.7		
Time on Time	0.7528			0.7545		
Triple Number	Low	Medium	High	Low	Medium	High
Time on Distance	936.1	724.8	655.6	1214.5	896.5	800.1
Time on Time	0.7211	0.9313	1.0296	0.5558	0.7529	0.8436

BOAT Name Prosecco Sail Nr EST746 File EST746 Data in meters/kilograms		INCLINING TEST AND FREEBOARDS Inclining Test Club Estimated VCG Flotation date 05/08/2020 SG FFM 0.964 FF 0.964 SFFP 0.531 FAM 0.807 FA 0.807 SAFF 6.753 LCF from stem on CL / on sheer 4.049 / 4.220 Maximum beam station from stem 4.802 RM Measured 19.1kg·m RM Default 18.6kg·m Limit of positive stability / Stab.Index 116.8° / 108.5 Freeboard at mast at 2.410 0.887	
RIG Forestay Tension Aft Spreaders 1 Inner Stay None Fitted Runners/Checkstays 0 Carbon Mast No Jib Furler No Fiber Rigging No Main Furler No Non-Circular Rigging No Articulated Bowsprit No P 7.250 E 2.630 MDT1 0.095 MW IG 7.320 J 2.410 MDL1 0.115 GO ISP 7.710 SFJ MDT2 BD BAS 1.260 SPL 2.230 MDL2 MWT FSD TPS TL MCG			
MIZZEN RIG AND SAILS N/A		PROPELLER Type No Propeller	
COMMENTS		MOVABLE BALLAST N/A	
		CENTERBOARD N/A	

SAILS INVENTORY																
MAINSAIL (1)																
Id	MHB	MUW	MTW	MHW	MQW	Area	Measurer	Meas.Date	Manufacture	Material	Comment					
1	0.15	0.57	0.99	1.70	2.24	11.46	EST7			Dacron						
HEADSAILS (3)																
Id	HHB	HUW	HTW	HHW	HQW	HLP	HLU	Ovrlp	Area	Btn	Flying	Measurer	Meas.Date	Manufacture	Material	Comment
3	0.06	0.43	0.85	1.69	2.53	3.31	6.58	137%	11.08		No	EST7			Unknow	
2	0.05	0.43	0.81	1.65	2.51	3.33	6.51	138%	10.84		No	EST7			Dacron	
1	0.10	0.37	0.65	1.12	1.52	1.97	5.97	82%	6.40		No	EST7			Dacron	
SYMMETRIC SPINNAKERS (1)																
Id	SLU	SLE	SL	SHW	SFL	Area	Measurer	Meas.Date	Manufacture	Material	Comment					
1	6.96	6.96	6.96	4.77	4.66	27.54	EST7			Dacron						
ASYMMETRIC SPINNAKERS (0)																
Id	SLU	SLE	SL	SHW	SFL	Area	Kind	Measurer	Meas.Date	Manufacture	Material	Comment				


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2020
Measurements
Datasheet


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2020

ORC Club Certificate Appendix

BOAT			
Name	Prosecco	Certificate Number	141/20
Sail Nr	EST746	Issued On	05/08/2020

TIME ALLOWANCES							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	1462.3	1222.3	1088.1	1003.9	969.4	973.0	1033.3
52°	931.6	783.9	707.0	671.4	654.2	650.5	663.5
60°	870.2	735.1	676.2	649.7	633.7	626.0	630.7
75°	830.4	707.0	655.9	631.5	612.6	596.1	582.4
90°	806.9	677.8	631.5	604.8	588.4	578.3	547.4
110°	794.2	670.1	624.0	590.0	557.8	532.0	504.1
120°	818.9	682.9	631.3	597.3	563.2	532.4	481.8
135°	908.1	739.5	655.4	618.2	585.4	552.9	493.9
150°	1048.9	835.6	709.4	647.7	614.8	584.0	525.9
Run VMG	1211.1	962.5	813.7	710.7	652.3	619.3	560.7
Selected Courses							
Windward / Leeward	1336.7	1092.4	950.9	857.3	810.9	796.1	797.0
Circular Random	1124.8	909.3	794.2	728.3	689.7	667.2	646.5
Coastal / Long Distance	1324.1	1020.5	853.6	752.5	699.1	662.6	599.6
Non Spinnaker	1188.9	954.8	828.4	755.3	712.1	687.0	665.8

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	45.8°	44.6°	44.8°	43.1°	42.4°	42.8°	45.8°
Beat VMG	2.46	2.95	3.31	3.59	3.71	3.70	3.48
52°	3.86	4.59	5.09	5.36	5.50	5.53	5.43
60°	4.14	4.90	5.32	5.54	5.68	5.75	5.71
75°	4.33	5.09	5.49	5.70	5.88	6.04	6.18
90°	4.46	5.31	5.70	5.95	6.12	6.23	6.58
110°	4.53	5.37	5.77	6.10	6.45	6.77	7.14
120°	4.40	5.27	5.70	6.03	6.39	6.76	7.47
135°	3.96	4.87	5.49	5.82	6.15	6.51	7.29
150°	3.43	4.31	5.07	5.56	5.86	6.16	6.85
Run VMG	2.97	3.74	4.42	5.07	5.52	5.81	6.42
Gybe Angles	149.0°	153.0°	156.0°	180.0°	180.0°	180.0°	180.0°