

BOAT Name Trio Sail Nr EST-753 File EST753 Data in meters/kilograms		INCLINING TEST AND FREEBOARDS Inclining Test Enter VCG directly Flotation date 05/06/2020 SG 1.0240 VCGDe -0.170		 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 No Fiber Rigging No Main Furler No Non-Circular Rigging No Articulated Bowsprit No		FFM 0.835 FF 0.835 SFFP 0.419 FAM 0.625 FA 0.625 SAFF 8.053 LCF from stem on CL / on sheer 4.424 / 4.565 Maximum beam station from stem 4.423 RM Measured 21.7kg·m RM Default 18.8kg·m Limit of positive stability / Stab.Index 122.1° / 121.5 Freeboard at mast at 3.190 0.674		
MIZZEN RIG AND SAILS N/A		PROPELLER Type No Propeller		
COMMENTS 		MOVABLE BALLAST N/A		
		CENTERBOARD N/A		 EJL ESTONIAN YACHTING UNION

SAILS INVENTORY																
MAINSAIL (1)																
Id	MHB	MUW	MTW	MHW	MQW	Area	Measurer	Meas.Date	Manufacture	Material	Comment					
1	0.12	0.65	1.11	1.91		15.55					Class Rules					
HEADSAILS (1)																
Id	HHB	HUW	HTW	HHW	HQW	HLP	HLU	Ovrlp	Area	Btn	Flying	Measurer	Meas.Date	Manufacture	Material	Comment
1	0.05					2.72	7.58	110%	10.48		No					Class rules
SYMMETRIC SPINNAKERS (1)																
Id	SLU	SLE	SL	SHW	SFL	Area	Measurer	Meas.Date	Manufacture	Material	Comment					
1	7.30	7.30	7.30	5.40	4.80	32.12					Class rules					
ASYMMETRIC SPINNAKERS (0)																
Id	SLU	SLE	SL	SHW	SFL	Area	Kind	Measurer	Meas.Date	Manufacture	Material	Comment				

2020

ORC Club Certificate Appendix

BOAT			
Name	Trio	Certificate Number	045/20
Sail Nr	EST-753	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	1324.9	1097.8	967.5	892.7	867.4	859.8	863.3
52°	863.3	723.5	649.3	616.7	603.1	598.2	598.0
60°	815.3	684.4	626.6	599.8	585.6	578.4	575.7
75°	783.2	657.8	609.7	584.8	566.0	551.8	538.1
90°	754.4	632.0	587.4	566.6	556.0	537.3	508.8
110°	750.9	625.6	580.3	548.2	521.1	503.6	481.9
120°	778.6	640.5	587.6	553.9	522.3	495.5	457.8
135°	872.0	707.3	613.7	575.9	543.9	513.2	456.7
150°	1026.1	811.8	680.8	608.3	574.4	544.6	489.5
Run VMG	1184.9	936.7	784.0	681.0	616.9	581.4	524.8
Selected Courses							
Windward / Leeward	1254.9	1017.3	875.8	786.9	742.1	720.6	694.1
Circular Random	1049.6	845.0	734.9	671.1	632.4	607.7	577.8
Coastal / Long Distance	1247.9	952.3	787.8	690.9	643.5	607.2	547.9
Non Spinnaker	1116.4	892.0	769.8	698.1	654.1	626.3	594.3

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°	42.0°	40.5°	40.1°	40.1°	40.9°
Beat VMG	2.72	3.28	3.72	4.03	4.15	4.19	4.17
52°	4.17	4.98	5.54	5.84	5.97	6.02	6.02
60°	4.42	5.26	5.75	6.00	6.15	6.22	6.25
75°	4.60	5.47	5.90	6.16	6.36	6.52	6.69
90°	4.77	5.70	6.13	6.35	6.47	6.70	7.07
110°	4.79	5.75	6.20	6.57	6.91	7.15	7.47
120°	4.62	5.62	6.13	6.50	6.89	7.27	7.86
135°	4.13	5.09	5.87	6.25	6.62	7.01	7.88
150°	3.51	4.43	5.29	5.92	6.27	6.61	7.35
Run VMG	3.04	3.84	4.59	5.29	5.84	6.19	6.86
Gybe Angles	148.0°	152.0°	152.0°	164.0°	180.0°	180.0°	180.0°