

BOAT Name LIZA 1 Sail Nr EST 734 File EST734 Data in meters/kilograms		INCLINING TEST AND FREEBOARDS Inclining Test Club Estimated VCG Flotation date 08/06/2019 SG 1.0256 FFM 0.957 FF 0.957 SFFP 0.200 FAM 0.774 FA 0.774 SAFF 7.257 LCF from stem on CL / on sheer 4.167 / 4.449 Maximum beam station from stem 4.432 RM Measured 26.5kg·m RM Default 25.7kg·m Limit of positive stability / Stab.Index 112.5° / 104.5 Freeboard at mast at 2.570 0.905	
RIG Forestay Tension Aft Spreaders 1 Inner Stay None Fitted Runners/Checkstays 1 Carbon Mast No Jib Furler No Fiber Rigging No Main Furler No Non-Circular Rigging No Articulated Bowsprit No P 8.665 E 3.170 MDT1 0.080 MW IG 7.765 J 2.570 MDL1 0.120 GO ISP 7.765 SFJ MDT2 0.040 BD BAS 0.985 SPL 2.230 MDL2 0.060 MWT 26.00 FSD TPS TL 2.620 MCG 3.421			
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	0.19	0.70	1.24	2.16	2.86	17.19		08/06/2019		Unknown						
HEADSAILS (3)																
Id	HHB	HUW	HTW	HHW	HQW	HLP	HLU	Ovrlp	Area	Btn	Flying	Measurer	Meas.Date	Manufacture	Material	Comment
4	0.07	0.41	0.80	1.60	2.46	3.35	7.58	130%	12.46		No		08/06/2017	North Sails	Unknow	
2	0.07	0.37	0.68	1.40	2.25	3.17	7.70	123%	11.53		No		08/06/2019		Unknow	
3	0.06	0.34	0.61	1.17	1.76	2.36	7.47	92%	8.87		No		08/06/2019		Unknow	
SYMMETRIC SPINNAKERS (1)																
Id	SLU	SLE	SL	SHW	SFL	Area	Measurer	Meas.Date	Manufacture	Material	Comment					
1	8.00	8.00	8.00	4.79	4.53	31.59		08/06/2019		Unknown						
ASYMMETRIC SPINNAKERS (0)																
Id	SLU	SLE	SL	SHW	SFL	Area	Kind	Measurer	Meas.Date	Manufacture	Material	Comment				


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ORC Club Certificate Appendix

BOAT			
Name	LIZA 1	Certificate Number	106/20
Sail Nr	EST 734	Issued On	03/07/2020

TIME ALLOWANCES							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	1228.9	1032.5	915.7	851.7	824.1	817.1	827.0
52°	807.8	684.3	635.6	612.3	596.7	588.8	586.8
60°	766.4	659.1	619.9	598.0	580.1	567.2	560.9
75°	737.7	645.0	608.8	583.3	560.5	540.9	521.2
90°	735.8	631.1	590.1	558.5	534.6	521.8	492.2
110°	737.0	631.3	589.0	551.9	518.0	488.7	449.0
120°	764.0	643.8	597.8	562.0	526.6	493.3	429.6
135°	854.8	701.3	622.2	585.9	551.6	518.7	453.2
150°	1006.7	799.6	678.2	616.1	582.9	550.8	490.8
Run VMG	1162.4	922.2	776.7	675.8	621.2	588.0	527.8
Selected Courses							
Windward / Leeward	1195.7	977.3	846.2	763.8	722.7	702.6	677.4
Circular Random	1013.9	821.8	718.6	657.9	619.8	594.3	560.5
Coastal / Long Distance	1192.3	918.6	767.9	679.2	631.6	595.2	530.6
Non Spinnaker	1060.9	855.5	744.5	679.4	639.0	612.4	579.4

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	42.0°	42.0°	40.9°	37.9°	37.1°	36.9°	38.3°
Beat VMG	2.93	3.49	3.93	4.23	4.37	4.41	4.35
52°	4.46	5.26	5.66	5.88	6.03	6.11	6.14
60°	4.70	5.46	5.81	6.02	6.21	6.35	6.42
75°	4.88	5.58	5.91	6.17	6.42	6.66	6.91
90°	4.89	5.70	6.10	6.45	6.73	6.90	7.31
110°	4.88	5.70	6.11	6.52	6.95	7.37	8.02
120°	4.71	5.59	6.02	6.41	6.84	7.30	8.38
135°	4.21	5.13	5.79	6.14	6.53	6.94	7.94
150°	3.58	4.50	5.31	5.84	6.18	6.54	7.33
Run VMG	3.10	3.90	4.63	5.33	5.79	6.12	6.82
Gybe Angles	149.0°	153.0°	154.0°	174.0°	180.0°	180.0°	180.0°