

BOAT Name Marie Sail Nr EST223 File EST223 Data in meters/kilograms		INCLINING TEST AND FREEBOARDS Inclining Test Enter VCG directly Flotation date 15/03/2020 SG 1.0242 VCGDe -0.150		 ORC Offshore Racing Congress World leader in rating technology 2020 Measurements Datasheet
RIG Forestay Tension Aft Spreaders 2 Inner Stay None Fitted Runners/Checkstays 2 Carbon Mast No Jib Furler No Fiber Rigging No Main Furler No Non-Circular Rigging No Articulated Bowsprit No		FFM 0.764 FF 0.764 SFFP 0.500 FAM 0.629 FA 0.629 SAFF 6.223 LCF from stem on CL / on sheer 3.978 / 4.176 Maximum beam station from stem 4.630 RM Measured 32.3kg·m RM Default 31.2kg·m Limit of positive stability / Stab.Index 115.5° / 110.2 Freeboard at mast at 2.500 0.728		
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	0.15	0.71	1.28	2.19	2.87	18.06										
HEADSAILS (2)																
Id	HHB	HUW	HTW	HHW	HQW	HLP	HLU	Ovrlp	Area	Btn	Flying	Measurer	Meas.Date	Manufacture	Material	Comment
2	0.05	0.46	0.88	1.74	2.67	3.89	7.83	156%	14.31		No					Unknown
1	0.06	0.40	0.78	1.62	2.57	3.59	7.43	144%	12.68		No					
SYMMETRIC SPINNAKERS (2)																
Id	SLU	SLE	SL	SHW	SFL	Area	Measurer	Meas.Date	Manufacture	Material	Comment					
2	8.05	8.05	8.05	4.65	4.67	31.23				Unknown						
1	8.08	8.08	8.08	4.45	4.34	29.82										
ASYMMETRIC SPINNAKERS (0)																
Id	SLU	SLE	SL	SHW	SFL	Area	Kind	Measurer	Meas.Date	Manufacture	Material	Comment				

2020

ORC Club Certificate Appendix

BOAT			
Name	Marie	Certificate Number	080/20
Sail Nr	EST223	Issued On	29/06/2020

TIME ALLOWANCES							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	1237.9	1040.2	919.2	846.3	812.6	800.4	798.8
52°	818.0	689.1	632.7	606.7	590.9	581.8	576.4
60°	777.1	660.2	616.4	594.0	577.1	564.7	555.3
75°	749.4	643.8	604.2	581.7	562.2	544.8	523.4
90°	759.3	636.0	591.4	564.0	542.0	529.0	504.9
110°	762.5	637.3	590.9	560.1	531.8	508.2	474.4
120°	791.6	654.1	599.6	569.0	540.4	514.6	472.1
135°	878.5	717.3	628.1	589.8	561.3	533.9	487.9
150°	1021.5	813.8	688.7	620.6	587.0	560.3	511.6
Run VMG	1179.6	937.5	791.8	690.3	625.7	591.3	539.9
Selected Courses							
Windward / Leeward	1208.7	988.8	855.5	768.3	719.1	695.9	669.4
Circular Random	1027.1	829.9	723.6	661.4	622.8	597.6	566.1
Coastal / Long Distance	1205.8	929.3	774.3	681.4	632.7	598.5	542.9
Non Spinnaker	1072.8	862.3	748.0	680.5	638.5	611.1	578.0

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	41.6°	42.0°	40.9°	38.3°	37.1°	36.8°	37.1°
Beat VMG	2.91	3.46	3.92	4.25	4.43	4.50	4.51
52°	4.40	5.22	5.69	5.93	6.09	6.19	6.25
60°	4.63	5.45	5.84	6.06	6.24	6.38	6.48
75°	4.80	5.59	5.96	6.19	6.40	6.61	6.88
90°	4.74	5.66	6.09	6.38	6.64	6.81	7.13
110°	4.72	5.65	6.09	6.43	6.77	7.08	7.59
120°	4.55	5.50	6.00	6.33	6.66	7.00	7.62
135°	4.10	5.02	5.73	6.10	6.41	6.74	7.38
150°	3.52	4.42	5.23	5.80	6.13	6.43	7.04
Run VMG	3.05	3.84	4.55	5.21	5.75	6.09	6.67
Gybe Angles	149.0°	153.0°	155.0°	172.0°	180.0°	180.0°	180.0°