

BOAT Name Hope Sail Nr EST 270 File EST270 Data in meters/kilograms		INCLINING TEST AND FREEBOARDS Inclining Test Enter VCG directly Flotation date 05/06/2020 SG 1.0246 VCGDe -0.050		 ORC Offshore Racing Congress World leader in rating technology 2020 Measurements Datasheet
RIG Forestay Tension Aft Spreaders 1 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 0.882 FF 0.882 SFFP 0.509 FAM 0.735 FA 0.735 SAFF 7.625 LCF from stem on CL / on sheer 4.413 / 4.631 Maximum beam station from stem 4.741 RM Measured 40.9kg·m RM Default 37.6kg·m Limit of positive stability / Stab.Index 109.2° / 101.8 Freeboard at mast at 2.780 0.823		
MIZZEN RIG AND SAILS N/A		PROPELLER Type No Propeller		
COMMENTS Lisatud 95 kg ballasti		MOVABLE BALLAST N/A		
		CENTERBOARD N/A		 ESTONIAN YACHTING UNION

SAILS INVENTORY																
MAINSAIL (1)																
Id	MHB	MUW	MTW	MHW	MQW	Area	Measurer	Meas.Date	Manufacture	Material	Comment					
2	0.13	0.68	1.24	2.18	2.92	20.41		04/07/2011	North	Unknown						
HEADSAILS (1)																
Id	HHB	HUW	HTW	HHW	HQW	HLP	HLU	Ovrlp	Area	Btn	Flying	Measurer	Meas.Date	Manufacture	Material	Comment
4	0.08	0.48	0.88	1.72	2.60	3.53	8.90	127%	15.60		No				Unknown	
SYMMETRIC SPINNAKERS (1)																
Id	SLU	SLE	SL	SHW	SFL	Area	Measurer	Meas.Date	Manufacture	Material	Comment					
4	9.20	9.20	9.20	5.24	5.00	39.81				Unknown						
ASYMMETRIC SPINNAKERS (1)																
Id	SLU	SLE	SL	SHW	SFL	Area	Kind	Measurer	Meas.Date	Manufacture	Material	Comment				
1	10.50	8.72	9.61	4.78	5.90	40.08	asy82	EST1	26/05/2020		Unknown					

2020

ORC Club Certificate Appendix

BOAT			
Name	Hope	Certificate Number	137/20
Sail Nr	EST 270	Issued On	04/08/2020

TIME ALLOWANCES							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	1192.6	993.1	879.6	820.9	805.3	801.6	810.4
52°	779.9	662.4	607.4	583.4	573.4	569.3	569.3
60°	735.4	632.1	591.9	569.1	554.7	548.6	546.4
75°	706.0	612.2	574.6	554.1	532.4	516.7	506.3
90°	677.8	592.8	556.1	526.9	509.4	499.0	472.4
110°	695.3	598.8	558.2	522.6	490.7	462.8	423.5
120°	728.2	614.1	567.9	531.9	499.2	467.4	395.8
135°	814.4	664.6	594.0	557.3	523.6	493.1	429.1
150°	956.0	761.9	648.7	589.0	555.8	524.3	467.3
Run VMG	1103.9	879.9	743.3	652.3	595.5	562.3	503.9
Selected Courses							
Windward / Leeward	1148.2	936.5	811.4	736.6	700.4	681.9	657.2
Circular Random	968.6	785.3	687.2	630.1	594.8	571.3	539.9
Coastal / Long Distance	1143.8	879.2	734.8	650.3	607.2	573.2	508.2
Non Spinnaker	1027.9	826.7	718.2	654.8	616.0	591.0	561.1

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	42.8°	41.8°	40.5°	39.0°	38.6°	38.6°	39.8°
Beat VMG	3.02	3.63	4.09	4.39	4.47	4.49	4.44
52°	4.62	5.43	5.93	6.17	6.28	6.32	6.32
60°	4.90	5.70	6.08	6.33	6.49	6.56	6.59
75°	5.10	5.88	6.27	6.50	6.76	6.97	7.11
90°	5.31	6.07	6.47	6.83	7.07	7.21	7.62
110°	5.18	6.01	6.45	6.89	7.34	7.78	8.50
120°	4.94	5.86	6.34	6.77	7.21	7.70	9.10
135°	4.42	5.42	6.06	6.46	6.88	7.30	8.39
150°	3.77	4.72	5.55	6.11	6.48	6.87	7.70
Run VMG	3.26	4.09	4.84	5.52	6.05	6.40	7.14
Gybe Angles	147.0°	151.5°	154.0°	172.0°	180.0°	180.0°	180.0°