

BOAT Name Tiina Sail Nr EST F15 File EST F15 Data in meters/kilograms										INCLINING TEST AND FREEBOARDS Inclining Test Enter VCG directly Flotation date 23/05/2020 SG VCGDe -0.225 FFM 0.937 FF 0.937 SFFP 0.110 FAM 0.635 FA 0.635 SAFP 7.670 LCF from stem on CL / on sheer 4.238 / 4.384 Maximum beam station from stem 4.158 RM Measured 24.3kg·m RM Default 20.8kg·m Limit of positive stability / Stab.Index 130.9° / 133.7 Freeboard at mast at 2.830 0.685										 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																					
P 8.750 E 3.380 MDT1 0.110 MW 0.000 IG 6.500 J 2.000 MDL1 0.133 GO 0.000 ISP 6.510 SFJ 0.830 MDT2 0.000 BD BAS 1.000 SPL 2.050 MDL2 0.000 MWT FSD -2.000 TPS TL -2.000 MCG																					
MIZZEN RIG AND SAILS N/A										PROPELLER Type No Propeller											
COMMENTS										MOVABLE BALLAST N/A										Certificate Number 048/20 ORC Ref 03880000K1E Issued On 05/06/2020 VPP Ver. 2020 1.02 Valid until 31/12/2020  ESTONIAN YACHTING UNION	
										CENTERBOARD N/A											

SAILS INVENTORY																	
MAINSAIL (1)																	
Id	MHB	MUW	MTW	MHW	MQW	Area	Measurer	Meas.Date	Manufacture	Material	Comment						
1	0.15	0.88	1.55	2.36	2.90	18.80				Unknown							
HEADSAILS (1)																	
Id	HHB	HUW	HTW	HHW	HQW	HLP	HLU	Ovrlp	Area	Btn	Flying	Measurer	Meas.Date	Manufacture	Material	Comment	
1	0.04	0.35	0.75	1.38	1.99	2.33	6.05	117%	7.90		No					Unknow	
SYMMETRIC SPINNAKERS (0)																	
Id	SLU	SLE	SL	SHW	SFL	Area	Measurer	Meas.Date	Manufacture	Material	Comment						
ASYMMETRIC SPINNAKERS (0)																	
Id	SLU	SLE	SL	SHW	SFL	Area	Kind	Measurer	Meas.Date	Manufacture	Material	Comment					

2020

ORC Club Certificate Appendix

BOAT			
Name	Tiina	Certificate Number	048/20
Sail Nr	EST F15	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	1485.4	1234.6	1097.3	1017.6	986.2	976.8	986.7
52°	962.5	816.0	724.5	676.0	656.3	649.5	650.2
60°	908.1	772.4	689.9	651.3	633.5	624.6	622.2
75°	871.8	736.3	665.5	632.8	613.2	600.5	587.1
90°	872.1	726.6	653.0	620.3	597.4	577.2	554.1
110°	915.4	760.8	669.6	630.7	606.3	584.2	542.0
120°	975.5	803.4	695.0	642.9	615.2	593.1	549.6
135°	1103.8	883.3	756.2	672.9	632.6	608.0	564.4
150°	1247.1	970.1	820.0	716.7	654.8	623.1	579.1
Run VMG	1398.6	1069.4	888.3	771.8	688.2	641.7	592.5
Selected Courses							
Windward / Leeward	1442.0	1152.0	992.8	894.7	837.2	809.2	789.6
Circular Random	1214.0	972.0	840.3	763.4	717.0	688.4	657.0
Coastal / Long Distance	1437.7	1085.2	897.8	784.7	724.0	683.1	619.6
Non Spinnaker	1214.0	972.0	840.3	763.4	717.0	688.4	657.0

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	44.3°	42.4°	42.0°	42.8°	43.1°	43.5°	44.3°
Beat VMG	2.42	2.92	3.28	3.54	3.65	3.69	3.65
52°	3.74	4.41	4.97	5.33	5.49	5.54	5.54
60°	3.96	4.66	5.22	5.53	5.68	5.76	5.79
75°	4.13	4.89	5.41	5.69	5.87	6.00	6.13
90°	4.13	4.95	5.51	5.80	6.03	6.24	6.50
110°	3.93	4.73	5.38	5.71	5.94	6.16	6.64
120°	3.69	4.48	5.18	5.60	5.85	6.07	6.55
135°	3.26	4.08	4.76	5.35	5.69	5.92	6.38
150°	2.89	3.71	4.39	5.02	5.50	5.78	6.22
Run VMG	2.57	3.37	4.05	4.66	5.23	5.61	6.08
Gybe Angles	173.0°	174.0°	176.0°	176.0°	177.5°	178.5°	179.0°