

BOAT										INCLINING TEST AND FREEBOARDS									
Name FANATIC					Sail Nr EST-239					Inclining Test Current Inclining									
File EST239					Data in meters/kilograms					Flotation date 20/05/1999 SG 1.0020									
RIG Forestay Tension Aft Spreaders 2 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 1.165 FF 1.181 SFFP 0.550 FAM 0.964 FA 0.976 SAFP 9.246 W1 74.6 PD1 265.0 WD 11.680 W2 74.6 PD2 258.0 GSA 12.6 W3 74.6 PD3 260.0 RSA 4298.7 W4 74.6 PD4 259.0 PLM 2005.0 LCF from stem on CL / on sheer 5.686 / 5.960 Maximum beam station from stem 6.694 RM Measured 117.0kg·m RM Default 117.2kg·m Limit of positive stability / Stab.Index 114.4° / 115.3 Freeboard at mast at 4.510 1.080									
MIZZEN RIG AND SAILS N/A										PROPELLER Installation Strut PRD 0.410 Type Folding 2 blades PBW Twin Screw No PIPA 0.0030 ST1 0.047 ST3 0.170 ST5 0.290 ST2 0.170 ST4 0.095 EDL 1.680									
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								
3a	0.17	0.95	1.70	2.87	3.72	34.43	Phillips	03/12/2014	North	Carbon									
HEADSAILS (2)																			
Id	HHB	HUW	HTW	HHW	HQW	HLP	HLU	Ovrlp	Area	Btn	Flying	Measurer	Meas.Date	Manufacture	Material	Comment			
6	0.09	0.74	1.40	2.77	4.20	5.64	13.50	129%	37.93	No				North	Unknow	Light medium			
5a	0.07	0.69	1.34	2.71	4.15	5.64	13.50	129%	37.37	No	Phillips			North	Unknow				
SYMMETRIC SPINNAKERS (5)																			
Id	SLU	SLE	SL	SHW	SFL	Area	Measurer	Meas.Date	Manufacture	Material	Comment								
5	13.38	13.38	13.38	8.00	7.70	88.54	ESP-823			Unknown	Must stiga								
3	13.38	13.38	13.38	7.96	7.61	87.98		08/07/2008		Unknown	Kerge								
4	13.44	13.44	13.44	7.84	7.83	87.79				Unknown	S-2								
1	13.35	13.35	13.35	7.88	7.73	87.34		08/07/2008		Unknown	Schüko								
ASYMMETRIC SPINNAKERS (0)																			
Id	SLU	SLE	SL	SHW	SFL	Area	Kind	Measurer	Meas.Date	Manufacture	Material	Comment							



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2020
Measurements
Datasheet

Certificate
Number **010/20**
ORC Ref **03880000K19**
Issued On **11/06/2020**
VPP Ver. **2020 1.02**
Valid until **31/12/2020**



EJL
ESTONIAN
YACHTING
UNION

2020

ORC Club Certificate Appendix

BOAT			
Name	FANATIC	Certificate Number	010/20
Sail Nr	EST-239	Issued On	11/06/2020

TIME ALLOWANCES							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	1061.7	884.5	780.4	728.4	709.3	701.0	698.5
52°	695.8	588.9	534.7	513.5	504.9	501.0	498.9
60°	657.5	561.6	520.6	502.3	492.5	487.9	484.9
75°	630.2	543.7	510.4	492.2	479.0	469.0	460.1
90°	638.6	545.2	506.9	489.0	474.6	460.0	437.6
110°	651.6	540.5	499.1	475.4	454.6	439.8	421.3
120°	669.6	551.5	503.9	478.7	455.9	434.1	404.0
135°	736.2	601.9	527.2	495.1	472.2	449.1	406.0
150°	875.6	696.5	589.1	525.1	495.7	474.3	431.9
Run VMG	1011.1	804.3	679.9	597.0	541.2	505.7	463.1
Selected Courses							
Windward / Leeward	1036.4	844.4	730.2	662.7	625.2	603.4	580.8
Circular Random	874.6	707.1	617.5	565.9	534.6	514.6	490.0
Coastal / Long Distance	1033.9	793.3	659.5	582.9	544.6	515.3	469.1
Non Spinnaker	927.1	744.2	645.2	587.3	551.9	529.2	501.5

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°	41.3°	40.9°	39.4°	38.6°	38.3°	38.6°
Beat VMG	3.39	4.07	4.61	4.94	5.08	5.14	5.15
52°	5.17	6.11	6.73	7.01	7.13	7.19	7.22
60°	5.48	6.41	6.92	7.17	7.31	7.38	7.42
75°	5.71	6.62	7.05	7.31	7.52	7.68	7.82
90°	5.64	6.60	7.10	7.36	7.59	7.83	8.23
110°	5.52	6.66	7.21	7.57	7.92	8.19	8.55
120°	5.38	6.53	7.14	7.52	7.90	8.29	8.91
135°	4.89	5.98	6.83	7.27	7.62	8.02	8.87
150°	4.11	5.17	6.11	6.86	7.26	7.59	8.34
Run VMG	3.56	4.48	5.29	6.03	6.65	7.12	7.77
Gybe Angles	145.5°	150.0°	150.5°	157.0°	180.0°	180.0°	180.0°