

BOAT
Name FANATIC
Sail Nr EST-239

GPH
640,4

HULL
Length Overall 10,646 m
Maximum Beam 3,553 m
Displacement 5 770 kg
Draft 1,987 m
IMS Reg. Division Cruiser/Racer
Dynamic Allowance 0,542%
Fwd Accommodation Yes
Hull Construction Cored
Carbon Rudder Yes
Trim Tab No
IMS L 9,626 VCGD 0,081 VCGM 0,046
Sink 18,61 kg/mm Wetted Area 25,10 m²



2009
ORC International
Certificate

GENERAL
Class GUYLINE 355
Designer LÖNNGREN
Builder OÜ GLOBOTRON
Series 06.1997
Age 01.1998
Age Allowance 0,780%
Offset File EST220.BOF - 11.06.1999 3:00:00
Measurement by TETSMANN/ROSME - 01.07.2009

SCORING OPTIONS		
	OFFSHORE	INSHORE
	COASTAL / LONG DISTANCE	WINDWARD / LEEWARD
Time On Distance	640,4	713,4
Time On Time	0,9369	0,9462
Performance Line	PLT 0,829 PLD 108,7	PLT 0,968 PLD 285,8
Triple Number	Low 0,9151 Medium 1,1923 High 1,3435	Low 0,6945 Medium 0,9627 High 1,1250

Rating Office
Estonian Yachting Union
Veiko Rosme
Regati 1, 11911, Tallinn
Estonia

TIME ALLOWANCES							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	1110,4	896,3	791,0	741,5	712,2	693,6	675,5
52°	707,2	586,9	539,4	512,1	499,2	491,6	484,3
60°	656,5	561,2	520,4	495,0	483,4	477,2	470,0
75°	617,4	542,9	499,8	483,3	468,1	456,3	445,8
90°	600,3	525,0	487,7	468,8	459,2	452,0	429,4
110°	615,2	536,2	495,9	472,4	450,7	431,6	413,4
120°	656,5	553,9	507,9	480,4	459,4	437,0	400,4
135°	763,6	605,8	539,7	501,1	477,6	457,8	417,4
150°	915,9	713,1	597,5	539,9	503,3	480,0	441,3
Run VMG	1057,6	823,4	689,2	606,2	553,0	515,8	471,5

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Number EST239
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VPP Ver. 1.11
Valid until 31.12.2009

Crew Weight
Declared 630 kg
Default* 635 kg

Special Scoring
ToD ToT
Double 642,8 0,9334
Non Spinnaker 684,3 0,8768

Selected Courses							
Windward / Leeward	1102,5	874,3	752,1	682,8	640,0	611,5	579,5
Circular Random	886,1	713,5	621,0	567,4	534,3	512,4	484,1
Ocean for PCS	948,0	746,7	635,2	567,9	524,1	493,2	449,0
Non Spinnaker	968,8	770,6	662,2	598,1	558,2	532,2	500,3

Sails Limitations
Genoa 3 Jibs 2 Spinnakers 3
Spinnaker configuration Symmetric

Storm Sails Areas
Heavy Weather Jib 25,39
Storm Jib (JL=8,91) 9,40
Storm Trysail 10,06

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	45,1°	43,9°	41,1°	39,1°	37,7°	36,9°	36,3°
Beat VMG	3,24	4,02	4,55	4,85	5,05	5,19	5,33
52°	5,09	6,13	6,67	7,03	7,21	7,32	7,43
60°	5,48	6,41	6,92	7,27	7,45	7,54	7,66
75°	5,83	6,63	7,20	7,45	7,69	7,89	8,07
90°	6,00	6,86	7,38	7,68	7,84	7,96	8,38
110°	5,85	6,71	7,26	7,62	7,99	8,34	8,71
120°	5,48	6,50	7,09	7,49	7,84	8,24	8,99
135°	4,71	5,94	6,67	7,18	7,54	7,86	8,63
150°	3,93	5,05	6,02	6,67	7,15	7,50	8,16
Run VMG	3,40	4,37	5,22	5,94	6,51	6,98	7,64
Gybe Angles	142,8°	145,9°	151,9°	163,3°	170,5°	172,8°	176,0°

Owner
MTÜ FUN SAILOR
Merivalja tee 1
Tallinn, Estonia
ESS KALEV JK
I certify that I understand my responsibilities under ORC Rules and Regulations
Signature

BOAT	
Name FANATIC	Sail Nr EST-239
File est0239.dxt	Data in meters/kilograms

RIG			
Forestay Tension Aft	Spreaders 2		
Inner Forestay None Fitted	Runners 0		
Carbon Mast No	Jumpers None		
Taper Hollows No	w/o Backstay No		
P 13,000	E 4,420	MDT1 0,125	TL 1,170
IG 13,650	J 4,360	MDL1 0,185	MWT 134,50
ISP 13,670	SFJ 0,150	MDT2 0,121	MCG 4,770
SPS 3,080	SPL 4,400	MDL2 0,143	CPW 2,200
BAS 1,645	TPS	MW 0,178	BD 0,200
BAL	FSP 0,074	GO 0,198	BWT

HEAVY ITEMS			
Bow Thruster No	Generator No	Air Condition No	
Windlass No	Jib Furler No	Desalinator No	
Heavy Deck No	Main Furler No		
Headliners No	Water Heater No		
Anchor Weight	Heavy Items Adjustment	0,0000	
Anchor LCG	Total Gyradius Adjustment	0,0289	

MIZZEN RIG AND SAILS	
N/A	

COMMENTS

INCLINING TEST AND FREEBOARDS		
Inclining Test Current Inclining		
Flotation date 20.05.1999	SG 1,0020	
FFM 1,165	FF 1,174	SFFP 0,550
FAM 0,964	FA 0,970	SAFP 9,246
W1 74,600	PD1 265,0	WD 11,680
W2 74,600	PD2 258,0	GSA 12,6
W3 74,600	PD3 260,0	RSA 4298,7
W4 74,600	PD4 259,0	PLM 2005,
Maximum beam station from stem	6,698	
RM Measured / Default	117,0 / 116,2	
Limit of positive stability	114,4°	
Stability Index	115,6	
Freeboard at mast at 4,510	1,074	

PROPELLER		
Installation Strut Drive	PRD 0,410	
Type Folding	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

WATER BALLAST	
N/A	

CENTERBOARD
N/A



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2009
IMS Measurement
Certificate

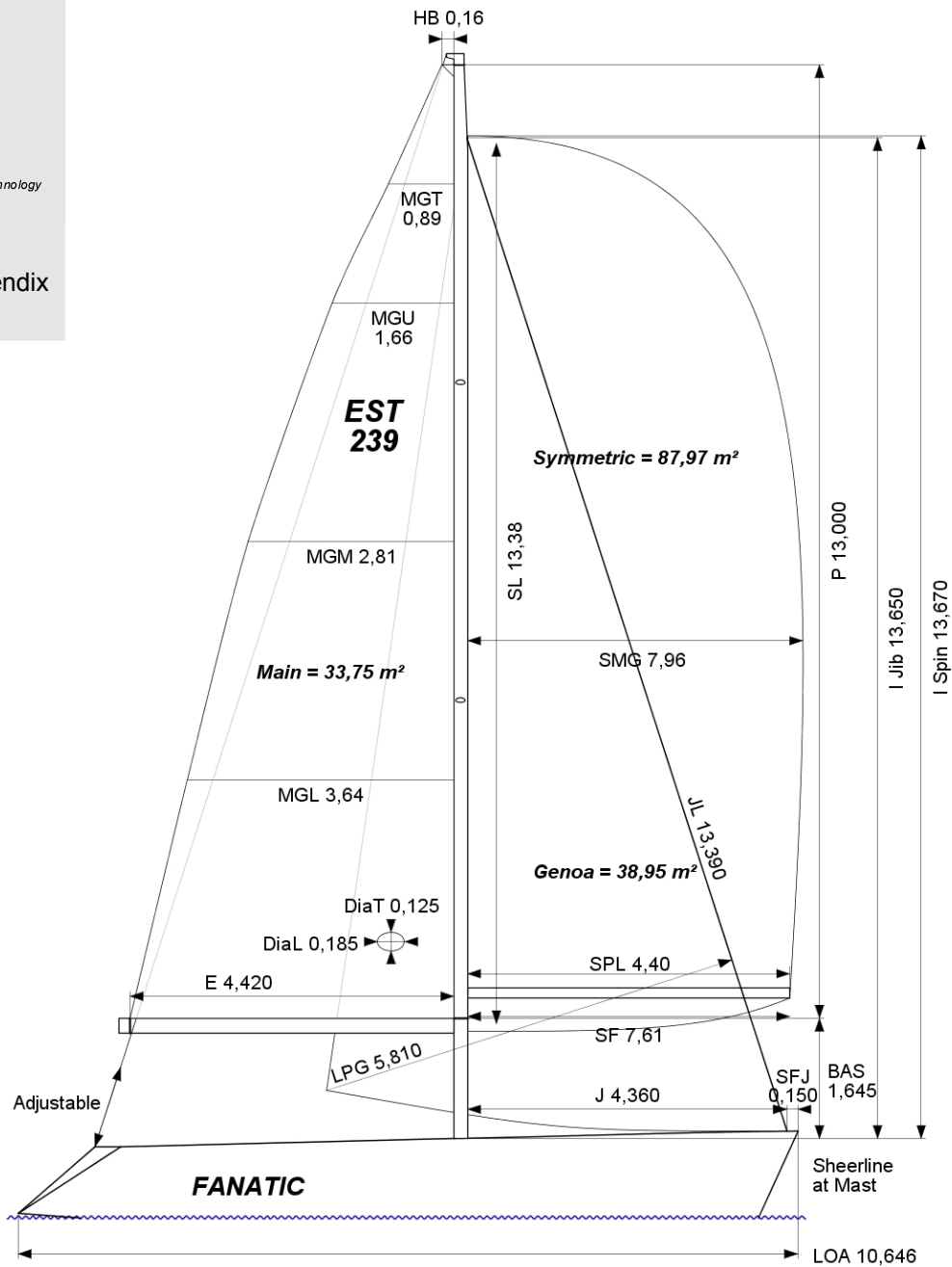
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SAILS (Maximum Areas)									
Mainsail	HB	MGT	MGU	MGM	MGL	MSW	Area	Formula	
	0,160	0,89	1,66	2,81	3,64	15,00	33,77	P/8 · (E + 2·MGL+ 2·MGM + 1.5·MGU + MGT + 0.5·HB)	
Jib/Genoa	JH	JGT	JGU	JGM	JGL	JL	LPG		
	0,08	0,76	1,47	2,88	4,35	13,39	5,81	0.1125·JL·(1.445·LPG+2·JGL+2·JGM+1.5·JGU+JGT+0.5·JH)	
Symmetric	SL	SMG	SF				Area	Formula	
	13,38	7,96	7,61				87,97	SL · (SF + 4·SMG) / 6	



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Certificate Appendix
Sail Plan



SAILS INVENTORY

MAINSAIL

Id	HB	MGT	MGU	MGM	MGL	MSW	Area	Measurer	Meas.Dat	Manufacturer	Material	Comment
1	0,160	0,89	1,66	2,81	3,64	15,00	33,75	VR	08.07.2008		Unknown	

JIBS / GENOAS

Id	JH	JGT	JGU	JGM	JGL	LPG	JL	Ovrlp	Area	Measurer	Meas.Dat	Manufacturer	Material	Comment
1	0,08	0,76	1,47	2,88	4,35	5,81	13,39	133%	38,96	VR	01.07.2008		Unknown	
2	0,09	0,67	1,33	2,67	4,17	5,75	13,39	132%	37,15	VR	08.07.2008		Unknown	

SYMMETRIC SPINNAKERS

Id	SL	SMG	SF	Area	Measurer	Meas.Dat	Manufacturer	Material	Comment
1	13,35	7,88	7,73	87,33	VR	08.07.2008		Unknown	Schüko
2	13,33	7,22	7,00	79,71	VR	08.07.2008		Unknown	Mersu
3	13,38	7,96	7,61	87,97	VR	08.07.2008		Unknown	Kerge

ASYMMETRIC SPINNAKERS

Id	SLU	SLE	ASL	AMG	ASF	Area	Kind	Measurer	Meas.Dat	Manufacturer	Material	Comment
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