

BOAT
Name GEORG
Sail Nr EST-278

GPH
657,1

HULL
Length Overall 10,060 m
Maximum Beam 3,283 m
Displacement 4 709 kg
Draft 1,831 m
IMS Reg. Division Cruiser/Racer
Dynamic Allowance 0,715%
Fwd Accommodation Yes
Hull Construction Cored
Carbon Rudder No
Trim Tab No
IMS L 9,326 VCGD -0,006 VCGM 0,043
Sink 17,26 kg/mm Wetted Area 23,09 m²



2009
ORC International
Certificate

GENERAL
Class X-332
Designer JEPPESEN
Builder X YACHTS
Series 01.1994
Age 01.2000
Age Allowance 0,975%
Offset File IX332.BOF - 25.10.1994 19:30:00
Measurement by A.TETSMANN - 05.05.2008

SCORING OPTIONS		
	OFFSHORE	INSHORE
	COASTAL / LONG DISTANCE	WINDWARD / LEEWARD
Time On Distance	657,1	733,4
Time On Time	0,9132	0,9203
Performance Line	PLT 0,808 PLD 108,1	PLT 0,970 PLD 309,6
Triple Number	Low 0,8932 Medium 1,1609 High 1,3062	Low 0,6791 Medium 0,9327 High 1,0855

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	1111,8	915,4	812,4	768,7	742,8	727,0	714,7
52°	717,2	600,1	551,0	524,4	512,0	505,2	499,7
60°	669,0	573,5	527,6	503,1	494,9	489,7	484,5
75°	629,6	553,3	505,4	489,8	475,4	466,1	456,6
90°	614,2	535,9	495,8	476,8	465,3	457,3	434,9
110°	638,9	552,5	505,8	483,3	460,1	437,9	414,8
120°	685,5	573,5	520,2	491,5	470,6	446,4	403,1
135°	791,3	633,6	558,7	512,9	488,9	468,7	425,0
150°	946,4	741,3	619,8	556,5	513,8	490,1	449,0
Run VMG	1092,8	856,0	714,6	622,6	565,6	523,6	478,9

Certificate
Number EST278
ORC Ref EST00000200
Issued On 21.05.2009
VPP Ver. 1.11
Valid until 31.12.2009

Crew Weight
Declared 590 kg
Default* 625 kg

Special Scoring
ToD ToT
Double 660,9 0,9079
Non Spinnaker 693,9 0,8647

Selected Courses							
Windward / Leeward	1122,8	899,1	775,9	705,0	661,7	632,4	603,9
Circular Random	906,5	731,4	637,4	582,8	549,1	526,9	498,7
Ocean for PCS	969,1	765,1	651,7	582,6	537,4	505,1	458,6
Non Spinnaker	974,8	778,8	672,0	609,0	569,9	544,4	513,9

Sails Limitations
Genoa 3 Jibs 2 Spinnakers 3
Spinnaker configuration Symmetric

Storm Sails Areas
Heavy Weather Jib 23,66
Storm Jib (JL=8,60) 8,76
Storm Trysail 10,47

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	43,9°	43,6°	41,0°	39,2°	38,2°	37,6°	37,4°
Beat VMG	3,24	3,93	4,43	4,68	4,85	4,95	5,04
52°	5,02	6,00	6,53	6,86	7,03	7,13	7,20
60°	5,38	6,28	6,82	7,16	7,27	7,35	7,43
75°	5,72	6,51	7,12	7,35	7,57	7,72	7,88
90°	5,86	6,72	7,26	7,55	7,74	7,87	8,28
110°	5,64	6,52	7,12	7,45	7,83	8,22	8,68
120°	5,25	6,28	6,92	7,33	7,65	8,07	8,93
135°	4,55	5,68	6,44	7,02	7,36	7,68	8,47
150°	3,80	4,86	5,81	6,47	7,01	7,35	8,02
Run VMG	3,29	4,21	5,04	5,78	6,37	6,88	7,52
Gybe Angles	143,4°	149,4°	152,5°	165,3°	172,0°	173,2°	176,6°

Owner
SVEN FEOFANOV
Väike Posti 17a
Pärnu, Estonia
Pärnu JK
I certify that I understand my responsibilities under ORC Rules and Regulations
Signature

BOAT	
Name GEORG	Sail Nr EST-278
File Est0278.dxt	Data in meters/kilograms

INCLINING TEST AND FREEBOARDS		
Inclining Test Current Inclining		
Flotation date 01.05.2000		SG 1,0020
FFM 1,175	FF 1,183	SFFP 0,513
FAM 0,960	FA 0,965	SAFP 9,213
W1 70,000	PD1 236,0	WD 10,000
W2 70,000	PD2 234,0	GSA 12,6
W3 70,000	PD3 232,0	RSA 4298,7
W4 70,000	PD4 234,0	PLM 2005,
Maximum beam station from stem		6,512
RM Measured / Default		104,7 / 102,4
Limit of positive stability		114,8°
Stability Index		115,8
Freeboard at mast at 3,850		1,074



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IMS Measurement
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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 13,150	E 4,550	MDT1 0,115	TL 1,550
IG 13,185	J 3,550	MDL1 0,165	MWT 106,00
ISP 13,207	SFJ 0,300	MDT2 0,097	MCG 4,850
SPS 2,132	SPL 3,550	MDL2 0,014	CPW
BAS 1,732	TPS	MW 0,165	BD 0,150
BAL 0,152	FSP 0,066	GO 0,179	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	0,0280	

PROPELLER		
Installation Strut Drive	PRD	0,380
Type Folding	PBW	
Twin Screw No	PIPA	0,0032
ST1 0,041	ST3	ST5 0,260
ST2	ST4 0,112	EDL 2,020

Certificate	
Number	EST278
ORC Ref	EST00000200
Issued On	21.05.2009
VPP Ver.	1.11
Valid until	31.12.2009

MIZZEN RIG AND SAILS	
N/A	

WATER BALLAST	
N/A	

COMMENTS	
N/A	

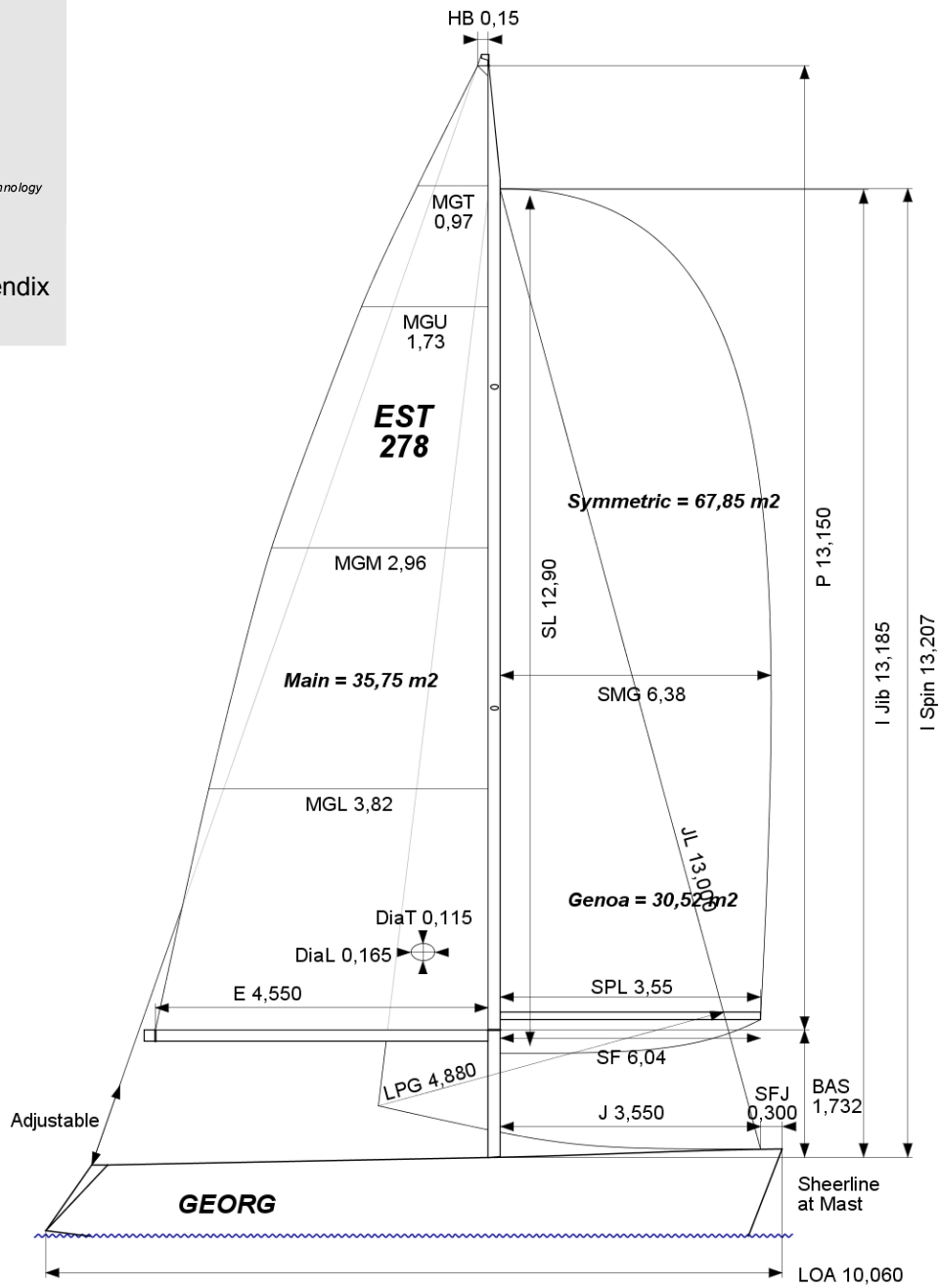
CENTERBOARD	
N/A	

SAILS (Maximum Areas)									
Mainsail	HB	MGT	MGU	MGM	MGL	MSW	Area	Formula	
	0,150	0,97	1,73	2,96	3,82	0,00	35,75	P/8 · (E + 2·MGL+ 2·MGM + 1.5·MGU + MGT + 0.5·HB)	
Jib/Genoa	JH	JGT	JGU	JGM	JGL	JL	LPG	Formula	
	0,10	0,65	1,08	2,24	3,51	13,00	4,88	0.1125·JL·(1.445·LPG+2·JGL+2·JGM+1.5·JGU+JGT+0.5·JH)	
Symmetric	SL	SMG	SF				Area	Formula	
	12,90	6,38	6,04				67,85	SL · (SF + 4·SMG) / 6	



World Leader in Rating Technology

2009
Certificate Appendix
Sail Plan



SAILS INVENTORY

MAINSAIL

Id	HB	MGT	MGU	MGM	MGL	MSW	Area	Measurer	Meas.Dat	Manufacturer	Material	Comment
1	0,150	0,97	1,73	2,96	3,82	0,00	35,75				Unknown	

JIBS / GENOAS

Id	JH	JGT	JGU	JGM	JGL	LPG	JL	Ovrlp	Area	Measure	Meas.Dat	Manufacturer	Material	Comment
1	0,08	0,60	1,16	2,32	3,57	4,91	12,00	138%	28,65				Unknown	2008
2	0,10	0,65	1,08	2,24	3,51	4,88	13,00	137%	30,52				Unknown	2008

SYMMETRIC SPINNAKERS

Id	SL	SMG	SF	Area	Measurer	Meas.Dat	Manufacturer	Material	Comment
2	12,90	6,38	6,04	67,85				Unknown	

ASYMMETRIC SPINNAKERS

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