

BOAT
Name JAZZ
Sail Nr EST 465

GPH
643,0

HULL
Length Overall 9,980 m
Maximum Beam 3,376 m
Displacement 4 599 kg
Draft 1,997 m
IMS Reg. Division Cruiser/Racer
Dynamic Allowance 0,576%
Fwd Accommodation Yes
Hull Construction Cored
Carbon Rudder No
Trim Tab No
IMS L 9,240 VCGD -0,209 VCGM -0,193
Sink 16,53 kg/mm Wetted Area 22,19 m²



2009
ORC International
Certificate

GENERAL
Class First 34.7
Designer Farr
Builder Beneteau
Series 10.2005
Age 05.2007
Age Allowance 0,260%
Offset File F235.OFF - 27.07.2006 16:07:34
Measurement by A.Tetsmann - 07.05.2007

SCORING OPTIONS		
	OFFSHORE	INSHORE
	COASTAL / LONG DISTANCE	WINDWARD / LEEWARD
Time On Distance	643,0	716,3
Time On Time	0,9331	0,9424
Performance Line	PLT 0,811 PLD 98,7	PLT 0,954 PLD 281,4
Triple Number	Low 0,9081 Medium 1,1882 High 1,3453	Low 0,6893 Medium 0,9580 High 1,1177

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	1116,2	906,7	794,5	745,0	718,0	701,2	686,7
52°	720,2	594,2	544,5	514,2	500,8	493,3	486,2
60°	671,2	568,9	525,7	497,6	482,8	476,0	468,7
75°	629,4	544,2	498,2	479,2	467,5	451,7	440,0
90°	598,4	525,6	487,7	463,5	449,8	442,1	422,5
110°	616,3	539,1	498,5	472,3	447,2	424,2	397,8
120°	663,3	558,1	511,2	482,1	458,3	434,3	386,9
135°	768,1	610,4	544,0	504,7	479,0	456,8	413,7
150°	919,2	721,0	600,6	543,0	505,9	480,9	438,9
Run VMG	1061,4	832,5	692,0	607,4	553,7	516,1	469,3

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VPP Ver. 1.11
Valid until 31.12.2009

Crew Weight
Declared 630 kg
Default* 626 kg

Special Scoring
ToD ToT
Double 645,2 0,9299
Non Spinnaker 687,4 0,8729

Selected Courses							
Windward / Leeward	1108,1	882,0	756,1	685,4	643,3	615,4	584,0
Circular Random	891,0	717,2	623,5	568,8	534,7	512,0	482,4
Ocean for PCS	952,7	750,2	637,3	568,5	523,4	491,4	445,7
Non Spinnaker	973,4	774,2	665,1	600,5	560,1	533,6	500,8

Sails Limitations
Genoa 0 Jibs 4 Spinnakers 3
Spinnaker configuration Symmetric

Storm Sails Areas
Heavy Weather Jib 23,70
Storm Jib (JL=8,61) 8,78
Storm Trysail 9,99

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	44,0°	44,2°	40,4°	38,8°	37,8°	37,3°	37,1°
Beat VMG	3,23	3,97	4,53	4,83	5,01	5,13	5,24
52°	5,00	6,06	6,61	7,00	7,19	7,30	7,40
60°	5,36	6,33	6,85	7,24	7,46	7,56	7,68
75°	5,72	6,61	7,23	7,51	7,70	7,97	8,18
90°	6,02	6,85	7,38	7,77	8,00	8,14	8,52
110°	5,84	6,68	7,22	7,62	8,05	8,49	9,05
120°	5,43	6,45	7,04	7,47	7,85	8,29	9,30
135°	4,69	5,90	6,62	7,13	7,52	7,88	8,70
150°	3,92	4,99	5,99	6,63	7,12	7,49	8,20
Run VMG	3,39	4,32	5,20	5,93	6,50	6,98	7,67
Gybe Angles	142,9°	147,7°	152,4°	165,5°	171,7°	174,2°	175,9°

Owner
ALFA GPS OÜ
Suur-Patarei 18A-6
Tallinn, Estonia
ESS Kalev JK
I certify that I understand my responsibilities under ORC Rules and Regulations
Signature

BOAT	
Name JAZZ	Sail Nr EST 465
File Est0465.dxt	Data in meters/kilograms

RIG			
Forestay Tension Aft	Spreaders 2		
Inner Forestay None Fitted	Runners 0		
Carbon Mast Yes	Jumpers None		
Taper Hollows No	w/o Backstay No		
P 12,800	E 4,460	MDT1 0,103	TL 1,000
IG 13,160	J 3,645	MDL1 0,172	MWT 116,00
ISP 13,300	SFJ 0,000	MDT2 0,103	MCG 4,440
SPS 2,900	SPL 3,700	MDL2 0,140	CPW 2,020
BAS 1,540	TPS	MW 0,172	BD 0,130
BAL	FSP 0,066	GO 0,197	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	0,0275	

MIZZEN RIG AND SAILS	
N/A	

COMMENTS

INCLINING TEST AND FREEBOARDS		
Inclining Test Current Inclining		
Flotation date 06.06.2007		SG 1,0020
FFM 1,310	FF 1,318	SFFP 0,172
FAM 1,024	FA 1,029	SAFP 9,530
W1 65,500	PD1 208,0	WD 10,100
W2 65,500	PD2 207,0	GSA 12,6
W3 65,500	PD3 209,0	RSA 4298,7
W4 65,500	PD4 208,0	PLM 2005,
Maximum beam station from stem		6,601
RM Measured / Default		111,3 / 97,9
Limit of positive stability		131,9°
Stability Index		131,4
Freeboard at mast at 3,645		1,171

PROPELLER		
Installation Strut Drive	PRD 0,410	
Type Folding	PBW 0,118	
Twin Screw No	PIPA 0,0027	
ST1 0,035	ST3	ST5 0,118
ST2	ST4 0,100	EDL 1,800

WATER BALLAST	
N/A	

CENTERBOARD
N/A



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2009
IMS Measurement
Certificate

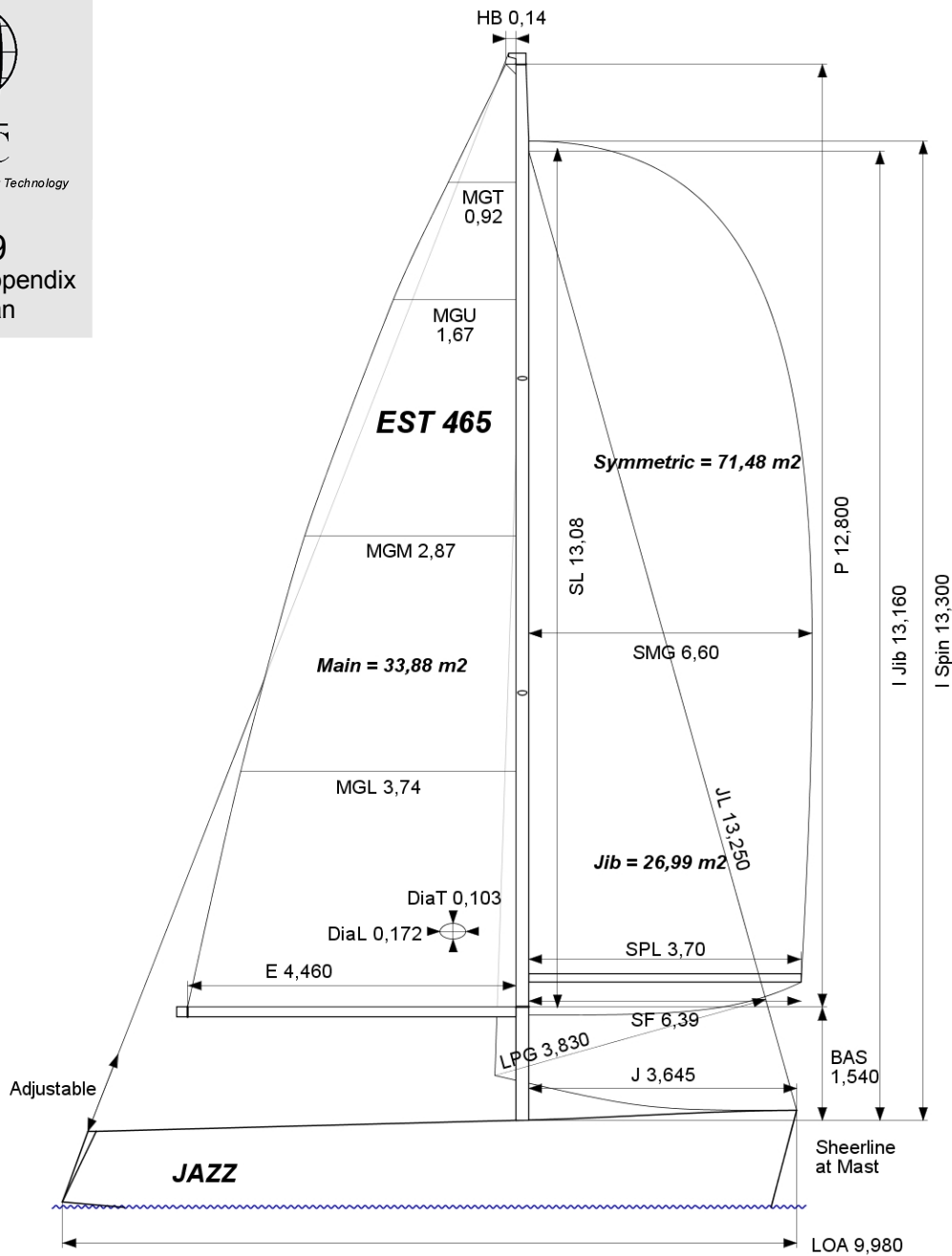
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SAILS (Maximum Areas)									
Mainsail	HB	MGT	MGU	MGM	MGL	MSW	Area	Formula	
	0,140	0,92	1,67	2,87	3,74	13,00	33,88	P/8 · (E + 2·MGL+ 2·MGM + 1.5·MGU + MGT + 0.5·HB)	
Jib/Genoa	JH	JGT	JGU	JGM	JGL	JL	LPG		
	0,10	0,61	1,13	2,10	3,01	13,25	3,83	0.1125·JL·(1.445·LPG+2·JGL+2·JGM+1.5·JGU+JGT+0.5·JH)	
Symmetric	SL	SMG	SF				Area	Formula	
	13,08	6,60	6,39				71,48	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
ORC	0,140	0,92	1,67	2,87	3,74	13,00	33,88					* Copied from legacy *

JIBS / GENOAS

Id	JH	JGT	JGU	JGM	JGL	LPG	JL	Ovrlp	Area	Measurer	Meas.Dat	Manufacturer	Material	Comment
1	0,13	0,53	0,98	1,90	2,85	3,79	13,07	104%	25,05	VR	09.07.2008		Unknown	No3
2	0,10	0,61	1,13	2,10	3,01	3,83	13,25	105%	26,99				Unknown	

SYMMETRIC SPINNAKERS

Id	SL	SMG	SF	Area	Measurer	Meas.Dat	Manufacturer	Material	Comment
1	13,08	6,60	6,39	71,48	D206	09.03.2007		Unknown	43705-211034
2	13,08	6,60	6,39	71,48	D206	09.03.2007		Unknown	43705-211036
3	13,08	6,60	6,39	71,48	D206	13.03.2007		Unknown	

ASYMMETRIC SPINNAKERS

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