

BOAT
Name ADELE
Sail Nr EST 467

GPH
645,1

HULL
Length Overall 9,980 m
Maximum Beam 3,376 m
Displacement 4 846 kg
Draft 2,012 m
IMS Reg. Division Cruiser/Racer
Dynamic Allowance 0,602%
Fwd Accommodation Yes
Hull Construction Cored
Carbon Rudder No
Trim Tab No
IMS L 9,297 VCGD -0,060 VCGM -0,059
Sink 16,79 kg/mm Wetted Area 22,58 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 - 15.05.2008

SCORING OPTIONS		
	OFFSHORE	INSHORE
	COASTAL / LONG DISTANCE	WINDWARD / LEEWARD
Time On Distance	645,1	719,4
Time On Time	0,9301	0,9383
Performance Line	PLT 0,820 PLD 106,8	PLT 0,969 PLD 295,3
Triple Number	Low 0,9074 Medium 1,1841 High 1,3328	Low 0,6885 Medium 0,9559 High 1,1100

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	1118,4	909,7	795,5	749,3	723,5	707,7	694,9
52°	721,3	594,5	545,7	517,6	505,2	497,9	491,4
60°	672,1	569,3	526,9	499,7	487,2	481,0	474,6
75°	629,6	544,6	499,9	483,9	470,6	457,1	447,0
90°	597,3	526,5	489,0	467,6	456,6	449,1	428,1
110°	615,2	539,7	499,5	474,3	450,3	429,1	407,2
120°	662,9	558,0	512,3	483,7	461,0	437,4	394,2
135°	767,6	609,5	544,5	505,7	480,8	459,7	417,2
150°	918,9	720,9	599,9	543,6	506,9	482,6	441,9
Run VMG	1061,1	832,4	691,4	606,9	554,2	517,2	471,5

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Number EST467
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Crew Weight
Declared 520 kg
Default* 609 kg

Special Scoring
ToD ToT
Double 647,2 0,9271
Non Spinnaker 689,4 0,8704

Selected Courses							
Windward / Leeward	1109,1	883,1	756,9	687,3	646,3	619,3	589,3
Circular Random	892,0	718,6	625,5	571,5	538,3	516,4	488,3
Ocean for PCS	953,8	751,8	639,6	571,6	527,2	495,8	450,7
Non Spinnaker	975,1	775,9	667,1	602,8	563,0	537,1	505,6

Sails Limitations
Genoa 0 Jibs 4 Spinnakers 3
Spinnaker configuration Symmetric

Storm Sails Areas
Heavy Weather Jib 24,41
Storm Jib (JL=8,74) 9,04
Storm Trysail 10,08

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°	44,6°	40,5°	38,8°	37,7°	37,1°	36,9°
Beat VMG	3,22	3,96	4,53	4,80	4,98	5,09	5,18
52°	4,99	6,06	6,60	6,96	7,13	7,23	7,33
60°	5,36	6,32	6,83	7,20	7,39	7,48	7,59
75°	5,72	6,61	7,20	7,44	7,65	7,88	8,05
90°	6,03	6,84	7,36	7,70	7,88	8,02	8,41
110°	5,85	6,67	7,21	7,59	7,99	8,39	8,84
120°	5,43	6,45	7,03	7,44	7,81	8,23	9,13
135°	4,69	5,91	6,61	7,12	7,49	7,83	8,63
150°	3,92	4,99	6,00	6,62	7,10	7,46	8,15
Run VMG	3,39	4,32	5,21	5,93	6,50	6,96	7,63
Gybe Angles	142,8°	147,7°	152,2°	165,5°	172,1°	174,1°	176,2°

Owner
FORDEWIND OÜ
Tuha 3
Tallinn, Estonia
JK Baltsail
I certify that I understand my responsibilities under ORC Rules and Regulations
Signature

BOAT	
Name ADELE	Sail Nr EST 467
File Est0467.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 12,800	E 4,500	MDT1 0,117	TL 0,750
IG 13,210	J 3,640	MDL1 0,170	MWT 129,10
ISP 13,240	SFJ 0,000	MDT2	MCG 4,540
SPS	SPL 3,700	MDL2	CPW 2,020
BAS 1,540	TPS	MW 0,128	BD
BAL	FSP 0,070	GO 0,192	BWT 23,00

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	0,0349	

MIZZEN RIG AND SAILS	
N/A	

COMMENTS

INCLINING TEST AND FREEBOARDS		
Inclining Test Current Inclining		
Flotation date 15.05.2008	SG 1,0020	
FFM 1,288	FF 1,297	SFFP 0,172
FAM 1,014	FA 1,019	SAFP 9,530
W1 62,600	PD1 220,0	WD 10,260
W2 62,600	PD2 216,0	GSA 12,6
W3 62,600	PD3 217,0	RSA 4298,7
W4 62,600	PD4 219,0	PLM 2005,
Maximum beam station from stem	6,601	
RM Measured / Default	103,1 / 100,1	
Limit of positive stability	125,5°	
Stability Index	125,9	
Freeboard at mast at 3,640	1,154	

PROPELLER		
Installation Strut Drive	PRD 0,410	
Type Folding	PBW	
Twin Screw No	PIPA 0,0018	
ST1 0,120	ST3 0,180	ST5 0,180
ST2 0,180	ST4 0,110	EDL

WATER BALLAST	
N/A	

CENTERBOARD
N/A



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2009
IMS Measurement
Certificate

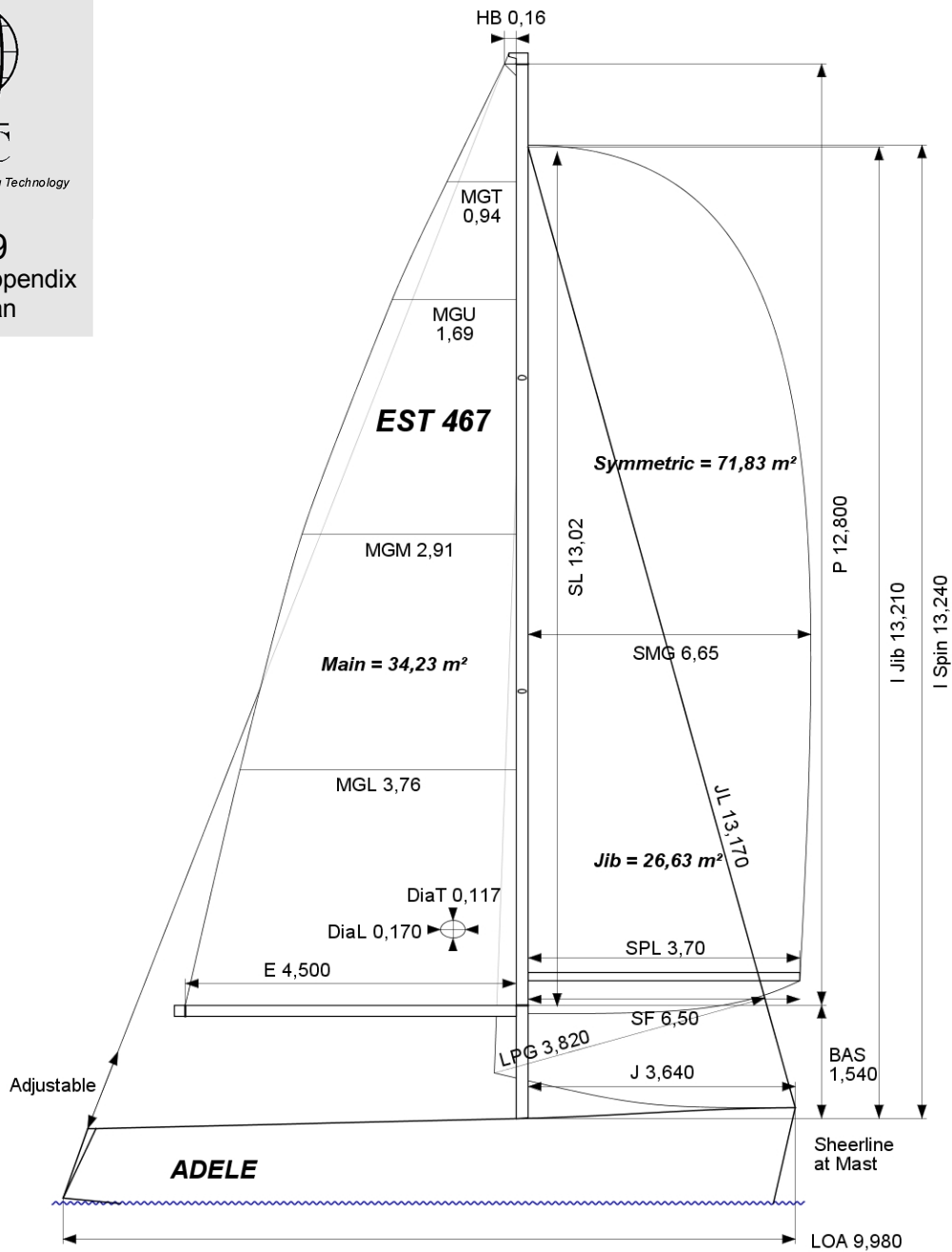
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SAILS (Maximum Areas)									
Mainsail	HB	MGT	MGU	MGM	MGL	MSW	Area	Formula	
	0,160	0,94	1,69	2,91	3,76	13,00	34,23	P/8 · (E + 2·MGL + 2·MGM + 1.5·MGU + MGT + 0.5·HB)	
Jib/Genoa	JH	JGT	JGU	JGM	JGL	JL	LPG	Formula	
	0,10	0,57	1,10	2,09	3,01	13,17	3,82	0.1125·JL·(1.445·LPG+2·JGL+2·JGM+1.5·JGU+JGT+0.5·JH)	
Symmetric	SL	SMG	SF	Formula					
	13,02	6,65	6,50	71,83 SL · (SF + 4·SMG) / 6					



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Certificate Appendix
Sail Plan



SAILS INVENTORY													
MAINSAIL													
Id	HB	MGT	MGU	MGM	MGL	MSW	Area	Meas.	Meas.	Meas.	Material	Comment	
1	0,160	0,94	1,69	2,91	3,76	13,00	34,23				Unknown		
JIBS / GENOAS													
Id	JH	JGT	JGU	JGM	JGL	LPG	JL	Ovrlp	Area	Meas.	Meas.	Material	Comment
1	0,10	0,57	1,10	2,09	3,01	3,82	13,17	105%	26,63			Unknown	
2	0,10	0,57	1,09	2,08	2,98	3,80	13,16	104%	26,45			Unknown	
SYMMETRIC SPINNAKERS													
Id	SL	SMG	SF	Area	Meas.	Meas.	Meas.	Material	Comment				
1	13,02	6,65	6,50	71,83				Unknown					
2	12,98	6,59	6,34	70,74				Unknown					
ASYMMETRIC SPINNAKERS													
Id	SLU	SLE	ASL	AMG	ASF	Area	Kind	Measurer	Meas.	Meas.	Material	Comment	