

BOAT
Name ANIMA
Sail Nr GRE-951

GPH
664,0

HULL
Length Overall 12,320 m
Maximum Beam 3,894 m
Displacement 8.668 kg
Draft 2,052 m
IMS Reg. Division Cruiser/Racer
Dynamic Allowance 1,114%
Fwd Accommodation Yes
Hull Construction Solid
Carbon Rudder No
Crew Arm Extension
IMS L 11,370 VCGD 0,078 VCGM 0,133
Sink 25,41 kg/mm Wetted Area 34,90 m²



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2009
ORC International
Certificate

GENERAL
Class OCEANIS 411 CLIPPR
Designer
Builder BENETEAU
Series 01/1998
Age 07/2001
Age Allowance 0,715%
Offset File ANIMA.OFF - 24/1/2014 17:18:12
Measurement by NAKIS/DIMOU - 26/04/2005

SCORING OPTIONS						
	OFFSHORE			INSHORE		
	COASTAL / LONG DISTANCE			WINDWARD / LEEWARD		
Time On Distance	664,0			753,3		
Time On Time	0,9037			0,8961		
Performance Line	PLT	PLD		PLT	PLD	
	0,699	39,6		0,735	150,9	
Triple Number	Low	Medium	High	Low	Medium	High
	0,8463	1,1659	1,3600	0,6347	0,9124	1,1124

Rating Office

Offshore
Racing
Congress



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TIME ALLOWANCES							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	1261,8	1007,8	870,1	788,3	743,5	715,5	687,1
52°	792,2	638,4	555,9	516,7	495,6	481,2	466,4
60°	724,5	588,9	524,6	491,5	467,7	457,6	448,4
75°	670,9	551,2	499,5	467,9	449,3	438,3	425,7
90°	645,9	529,1	480,4	450,9	439,3	433,1	415,4
110°	665,3	541,5	489,7	454,8	436,9	419,1	395,6
120°	708,4	567,4	503,5	464,2	442,7	425,4	389,0
135°	812,5	638,2	540,9	493,8	459,6	441,2	405,7
150°	969,2	749,4	621,8	540,6	497,1	464,0	429,4
Run VMG	1119,1	865,4	717,9	620,2	555,0	512,4	455,6

Certificate
Number 9i064a
ORC Ref GRE00000166
Issued On 18/3/2009
VPP Ver. 1.11
Valid until 1/3/2010

Crew Weight
Declared 640 kg
Default* 816 kg
Non Manual Pwr No

Special Scoring
ToD ToT
D. Hand OSN 664,5 0,9029
Non Spin. OSN 715,1 0,8390
N/S Perf. Line

Selected Courses							
Windward / Leeward	1209,4	950,6	804,6	714,2	657,5	621,0	576,8
Circular Random	948,9	751,1	642,0	576,8	535,7	508,7	475,0
Ocean for PCS	1015,7	786,2	656,0	575,5	522,6	485,8	436,1
Non Spinnaker	1040,8	816,5	690,6	613,7	564,3	531,3	490,9

Sails Limitations		
Genoas 3	Jibs 2	Spinnakers 3
Spinnaker configuration Symmetric		

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	46,6°	45,7°	45,4°	44,0°	42,0°	40,7°	39,5°
Beat VMG	2,85	3,57	4,14	4,57	4,84	5,03	5,24
52°	4,54	5,64	6,48	6,97	7,26	7,48	7,72
60°	4,97	6,11	6,86	7,32	7,70	7,87	8,03
75°	5,37	6,53	7,21	7,69	8,01	8,21	8,46
90°	5,57	6,80	7,49	7,98	8,19	8,31	8,67
110°	5,41	6,65	7,35	7,92	8,24	8,59	9,10
120°	5,08	6,34	7,15	7,76	8,13	8,46	9,25
135°	4,43	5,64	6,66	7,29	7,83	8,16	8,87
150°	3,71	4,80	5,79	6,66	7,24	7,76	8,38
Run VMG	3,22	4,16	5,01	5,80	6,49	7,03	7,90
Gybe Angles	143,7°	146,8°	150,2°	155,9°	164,8°	170,5°	175,2°

Storm Sails Areas
Heavy Weather Jib 29,28
Storm Jib (JL=9,57) 10,85
Storm Trysail 9,93

Owner

BOAT	
Name ANIMA	Sail Nr GRE-951
File (0)	Data in meters/kilograms

RIG	
Forestay Tension Fixed	Spreaders 2
Inner Stay None Fitted	Runners 0
Carbon Mast No	Jumper Struts None
Taper Hollows No	Jib Furler Yes
Fiber Rigging No	Main Furler No
Lenticular Rigging No	Without Backstay No
Articulated Bowsprit No	
P 12,660	E 4,480 MDT1 0,114 TL 0,000
IG 14,550	J 4,970 MDL1 0,218 MWT
ISP 14,550	SFJ 0,000 MDT2 0,114 MCG
SPS 2,500	SPL 4,970 MDL2 0,218 CPW
BAS 1,800	TPS 0,080 MW 0,218 BD 0,175
BAL 0,135	FSP 0,080 GO 0,278 BWT

MIZZEN RIG AND SAILS	
N/A	


COMMENTS

INCLINING TEST AND FREEBOARDS			
Inclining Test Current Inclining			
Flotation date 26/04/2005		SG 1,0250	
FFM 1,416	FF 1,416	SFFP 0,500	
FAM 1,069	FA 1,069	SAFP 11,230	
W1 85,000	PD1 205,0	WD 13,310	
W2 85,000	PD2 205,0	GSA 50,3	
W3 85,000	PD3 205,0	RSA 5592,0	
W4 85,000	PD4 205,0	PLM 2138,0	
LCF from stem on CL / on sheer		6,928 / 0,000	
Maximum beam station from stem		7,822	
RM Measured / Default		204,6 / 188,8	
Limit of positive stability / Stab.Index		110,6° / 115,2	
Freeboard at mast at 4,970		1,211	

PROPELLER			
Installation Shaft non exposed	PRD 0,500		
Type Solid 3 blades	PBW 0,020		
Twin Screw No	PIPA 0,0150		

MOVEABLE BALLAST	
N/A	


CENTERBOARD	
N/A	



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SAILS (Maximum Areas)									
Mainsail	HB	MGT	MGU	MGM	MGL	Area	Area (r)	Formula	
	0,140	0,94	1,70	2,92	3,83		34,09	P/8 · (E + 2·MGL+ 2·MGM + 1.5·MGU + MGT + 0.5·HB)	
Jib/Genoa	JH	JGT	JGU	JGM	JGL	JL	LPG		
	0,00	0,93	1,86	3,71	5,57	14,25	7,43	52,94	0.1125·JL·(1.445·LPG+2·JGL+2·JGM+1.5·JGU+JGT+0.5·JH)
Symmetric	SL	SMG	SF						
	14,59	8,92	8,90	108,40	SL · (SF + 4·SMG) / 6				
Asymmetric Not Available									
Code Zero Not Available									

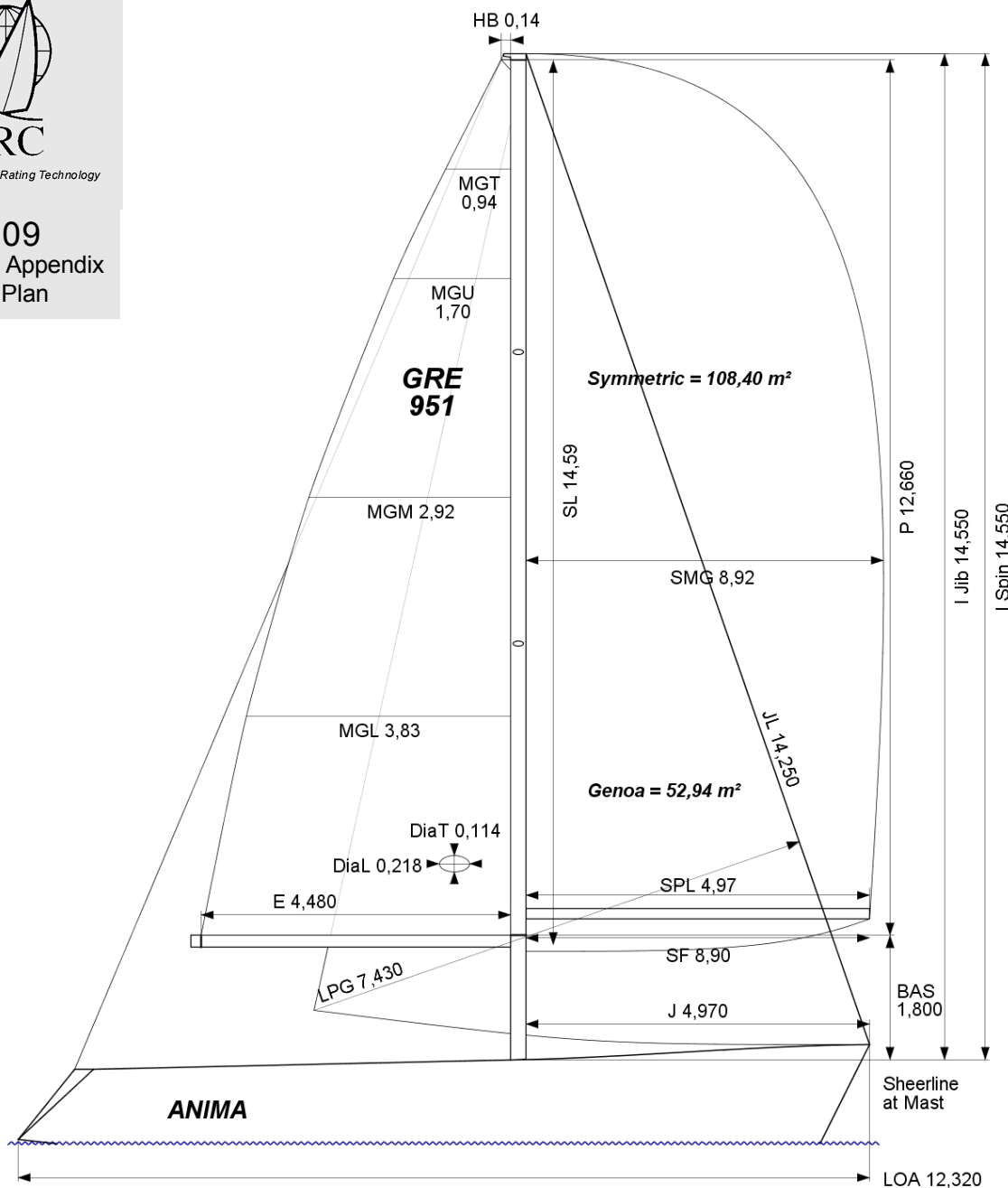
MEASUREMENT INVENTORY			
Measurer			
Date			
Comment			
<i>Id</i>	<i>Item</i>	<i>Weight</i>	<i>Distance</i>
OR	Anchor	267,0	0,97
Legacy Anchor			
<i>Id</i>	<i>Item</i>	<i>Weight Description</i>	

MEASUREMENT INVENTORY					
<i>Id</i>	<i>Item</i>	<i>Weight</i>	<i>Distance</i>	<i>VCG</i>	<i>Description</i>



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Certificate Appendix
Sail Plan



SAILS INVENTORY

MANSAL

Id	HB	MGT	MGU	MGM	MGL	Area	Measurer	Meas.Date	Manufacture	Material	Comment
ORC	0,140	0,94	1,70	2,92	3,83	34,09					* Copied from legacy

JIBS / GENOAS

Id	JH	JGT	JGU	JGM	JGL	LPG	JL	Overlp	Area	Measurer	Meas.Date	Manufacture	Material	Comment
ORC						7,43	14,25	149%	55,33					* Copied from

SYMMETRIC SPINNAKERS

Id	SL	SMG	SF	Area	Measurer	Meas.Date	Manufacture	Material	Comment
ORC	14,59	8,92	8,90	108,40					* Copied from legacy *

ASYMMETRIC SPINNAKERS

Id	SLU	SLE	ASL	AMG	ASF	Area	Kind	Measurer	Meas.Date	Manufacture	Material	Comment
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