

BOAT		GPH	HULL	
Name AMARONE		622,7	Length Overall 11,313m	
Sail Nr 144			Maximum Beam 3,658m	
GENERAL			Displacement 6.703kg	
			Draft 1,942m	
			IMS Reg. Division Cruiser/Racer	
			Dynamic Allowance 0,039%	
			Fwd Accommodation Yes	
			Hull Construction Cored	
			Carbon Rudder No	
			Crew Arm Extension	
			IMSL 10,244m VCGD 0,166m Sink 21,87kg/mm	
			RL 8,616m VCGM 0,290m WS 27,84m²	
Class GRAND SOLEIL 37				
Designer BOTIN & KARKEEK				
Builder CANTIERE DEL PARDO				
Series 05/2005				
Age 05/2006				
Age Allowance 0,325%				
Offset File GS37BC06.OFF - 31/12/2005 11:43:34				
Measurement by LINDQVIST - 02/05/2008				



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SCORING OPTIONS						
	OFFSHORE COASTAL / LONG DISTANCE			INSHORE WINDWARD / LEEWARD		
Time On Distance	606,6			677,2		
Time On Time	0,9891			0,9967		
Performance Line	PLT		PLD	PLT		PLD
	0,852		107,8	0,803		175,5
Triple Number	Low	Medium	High	Low	Medium	High
	0,9396	1,2264	1,3814	0,7183	0,9878	1,1585

Rating Office

Offshore
Racing
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TIME ALLOWANCES							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	1046,7	872,6	771,0	719,4	694,9	680,7	676,4
52°	675,1	569,0	511,4	491,3	483,2	479,1	475,4
60°	632,3	536,5	493,4	476,6	469,6	465,8	462,2
75°	596,8	513,5	481,3	463,6	451,5	444,8	439,2
90°	599,6	515,3	482,1	463,9	448,3	433,6	416,0
110°	641,9	529,4	483,0	459,1	437,0	419,9	403,6
120°	664,7	546,6	490,9	465,4	445,0	423,7	391,3
135°	744,9	607,2	525,4	485,4	462,9	442,5	401,2
150°	891,6	701,7	592,4	521,9	485,0	463,1	422,9
Run VMG	1029,5	810,1	681,1	591,5	527,1	489,1	446,7
Selected Courses							
Windward / Leeward	1038,1	841,4	726,1	655,4	611,0	584,9	561,5
Circular Random	860,9	693,9	603,9	551,5	519,2	498,4	473,0
Ocean for PCS	918,4	725,2	617,4	551,6	508,7	478,7	436,7
Non Spinnaker	898,7	720,7	623,8	566,7	531,4	508,5	480,8

Certificate

Number **6148**
ORC Ref **SSF00001219**
Issued On **27/5/2015**
VPP Ver. **2015 1.01**
Valid until **31/12/2015**

Crew Weight

Declared **740kg**
Default* **689kg**
Non Manual Pwr **No**

Special Scoring

ToD ToT
Non Spin GPH **643,7 0,9321**
Non Spin OSN **626,0 0,9585**
N/S Perf. Line **85,4 0,790**

Sails Limitations

Headsails **6** Spinnakers **3**

Class Division Length

CDL = **9,431**

Storm Sails Areas

Heavy Weather Jib **29,83**
Storm Jib (JL=9,66) **11,05**
Storm Trysail **13,26**

Owner

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	44,6°	43,3°	43,3°	41,4°	40,1°	39,5°	39,9°
Beat VMG	3,44	4,13	4,67	5,00	5,18	5,29	5,32
52°	5,33	6,33	7,04	7,33	7,45	7,51	7,57
60°	5,69	6,71	7,30	7,55	7,67	7,73	7,79
75°	6,03	7,01	7,48	7,76	7,97	8,09	8,20
90°	6,00	6,99	7,47	7,76	8,03	8,30	8,65
110°	5,61	6,80	7,45	7,84	8,24	8,57	8,92
120°	5,42	6,59	7,33	7,73	8,09	8,50	9,20
135°	4,83	5,93	6,85	7,42	7,78	8,14	8,97
150°	4,04	5,13	6,08	6,90	7,42	7,77	8,51
Run VMG	3,50	4,44	5,29	6,09	6,83	7,36	8,06
Gybe Angles	144,9°	150,8°	156,4°	169,0°	174,8°	178,8°	179,2°

BOAT										INCLINING TEST AND FREEBOARDS															
Name AMARONE					Sail Nr 144					Inclining Test Current Inclining															
File 6148.dxt					Data in meters/kilograms					Flotation date 21/04/2008					SG 1,0050										
RIG										FFM 1,427 FF 1,441 SFFP 0,254															
Forestay Tension Aft Spreaders 2										FAM 1,048 FA 1,058 SAFF 10,708															
Inner Stay None Fitted Runners 0										W1 20,540 PD1 130,0 WD 11,315															
Carbon Mast No Jumper Struts None										W2 40,540 PD2 258,3 GSA 1,0															
Taper Hollows No Jib Furler No										W3 61,090 PD3 383,8 RSA 1,0															
Fiber Rigging No Main Furler No										W4 91,640 PD4 580,1 PLM 9000,0															
Lenticular Rigging No Without Backstay No										LCF from stem on CL / on sheer 6,384 / 6,626															
Articulated Bowsprit No										Maximum beam station from stem 6,905															
P 14,435 E 5,250 MDT1 0,110 MW 0,201										RM Measured 140,7kg·m															
IG 14,865 J 4,090 MDL1 0,201 GO 0,201										RM Default 170,0kg·m															
ISP 14,895 SFJ 0,250 MDT2 0,110 BD 0,163										Limit of positive stability / Stab.Index 103,3° / 106,0															
BAS 1,595 SPL 4,100 MDL2 0,163 MWT 176,60										Freeboard at mast at 4,340 1,217															
FSP 0,066 TPS TL 0,785 MCG 5,410																									
MIZZEN RIG AND SAILS										PROPELLER															
N/A										Installation Strut PRD 0,450															
										Type Folding 2 blades PBW 0,118															
										Twin Screw No PIPA 0,0039															
										ST1 0,069 ST3 0,180 ST5 0,305															
										ST2 0,179 ST4 0,111 EDL 2,200															
COMMENTS										MOVEABLE BALLAST															
0706 0812 20										N/A															
										CENTERBOARD															
										N/A															
SAILS (Maximum Areas)																									
Mainsail						HB		MGT		MGU		MGM		MGL		Area		Area (r)		Formula					
						0,160		1,13		1,99		3,40		4,42		45,26		46,28		P/8 · (E + 2·MGL+ 2·MGM + 1.5·MGU + MGT + 0.5·HB)					
Symmetric						SL		SMG		SF						87,85				SL · (SF + 4·SMG) / 6					
						14,65		7,20		7,18															
Asymmetric																									
Not Available																									
HEADSAILS																									
Area = 0.1125·JL·(1.445·LPG+2·JGL+2·JGM+1.5·JGU+JGT+0.5·JH)																									
JH		JGT		JGU		JGM		JGL		LPG		JL		Area		Btn		Fly		Meas.Date		Material		Comment	
		1,41		2,81				5,69		14,80		42,32										Unknown			
0,10		0,74		1,42		2,82		4,25		5,69		14,28		40,62								Unknown			
0,09		0,63		1,20		2,50		3,89		5,55		14,70		38,49								Unknown			
0,08				1,10		2,16		3,26		4,40		14,78		32,44								Unknown			



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Measurements Datasheet

Certificate

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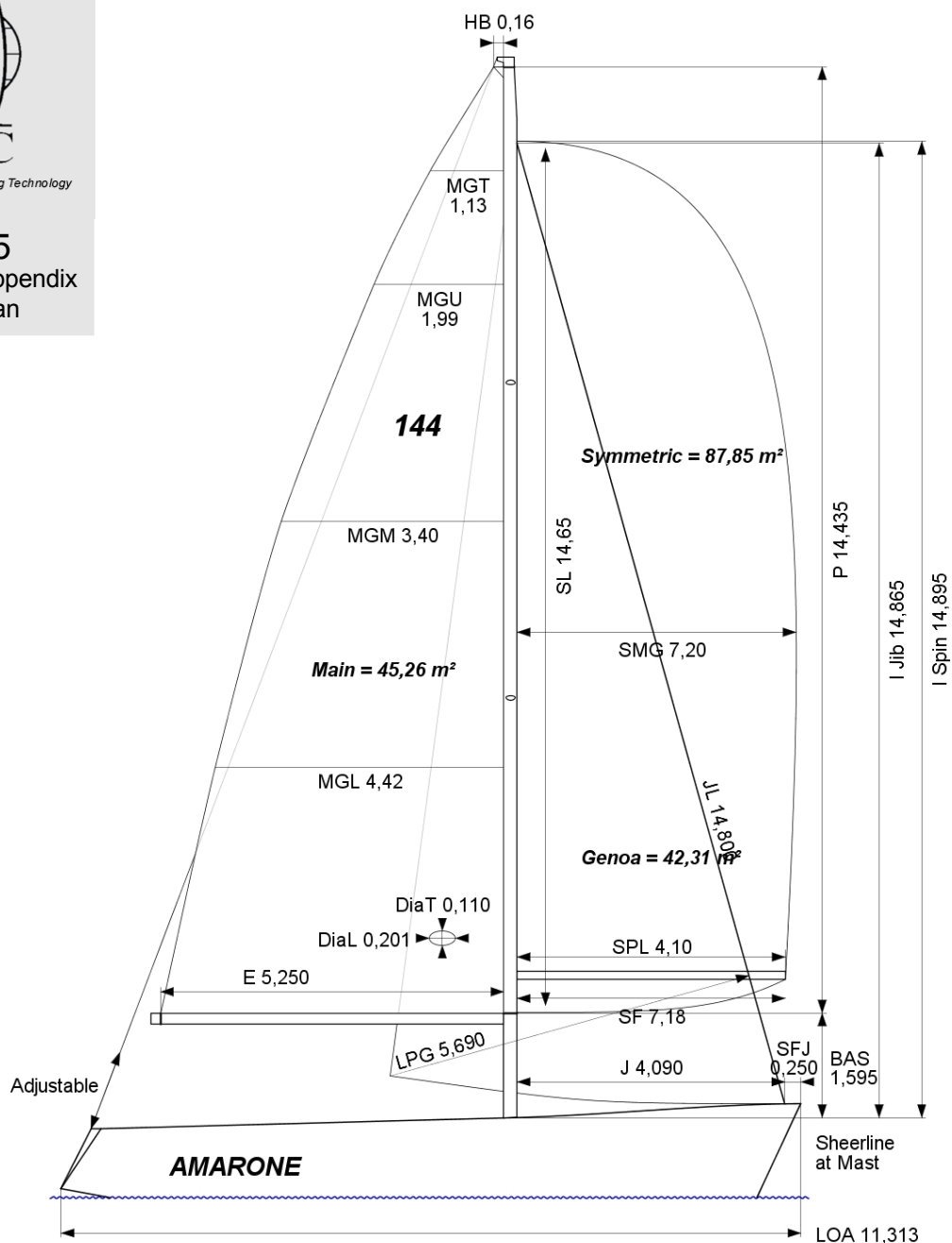


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Sail Plan



SAILS INVENTORY

MAINSAIL

Id	HB	MGT	MGU	MGM	MGL	Area	Measurer	Meas.Date	Manufacture	Material	Comment
1	0,160	1,13	1,99	3,40	4,42	45,26	957	08/02/2011		Unknown	

HEADSAILS

Id	JH	JGT	JGU	JGM	JGL	LPG	JL	Ovrlp	Area	Btn	Fly	Measurer	Meas.Date	Manufacture	Material	Comment
g1			1,41	2,81		5,69	14,80	139%	42,32			957			Unknown	
R	0,10	0,74	1,42	2,82	4,25	5,69	14,28	139%	40,62						Unknown	
g1h	0,09	0,63	1,20	2,50	3,89	5,55	14,70	136%	38,49			957			Unknown	
g3	0,08		1,10	2,16	3,26	4,40	14,78	108%	32,44			957			Unknown	

SYMMETRIC SPINNAKERS

Id	SL	SMG	SF	Area	Measurer	Meas.Date	Manufacture	Material	Comment
2	14,65	7,20	7,18	87,85	957			Unknown	
3	15,00	6,78	7,47	86,48	957			Unknown	
1	14,60	6,98	7,24	85,56	957			Unknown	

ASYMMETRIC SPINNAKERS

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