

BOAT Name AIDA Sail Nr 5365	GPH 599,8	HULL Length Overall 11,924 m Maximum Beam 3,770 m Displacement 7.151 kg Draft 2,417 m IMS Reg. Division Cruiser/Racer Dynamic Allowance 0,004% Fwd Accommodation Yes Hull Construction Solid Carbon Rudder No Crew Arm Extension IMS L 10,664 VCGD -0,173 Sink 22,51 kg/mm RL 9,565 VCGM 0,069 WS 29,90 m²
GENERAL Class FIRST 40.7 Designer B.FARR Builder BENETEAU Series 12/1997 Age 09/1999 Age Allowance 0,487% Offset File EFRST407.OFF - 17/1/1998 19:48:20 Measurement by CAPDEVI/ROME/PAZO - 18/09/2000		



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2015
ORC International
Certificate

Rating Office

Offshore
Racing
Congress



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	OFFSHORE COASTAL / LONG DISTANCE			INSHORE WINDWARD / LEEWARD		
	PLT	PLD		PLT	PLD	
Time On Distance	584,2			650,8		
Time On Time	1,0271			1,0372		
Performance Line	0,888	110,0		0,841	178,2	
Triple Number	Low 0,9775	Medium 1,2718	High 1,4335	Low 0,7490	Medium 1,0279	High 1,2068

TIME ALLOWANCES							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	990,1	824,5	727,7	682,8	660,1	645,9	639,5
52°	644,7	542,3	492,2	475,2	467,5	463,3	458,9
60°	606,4	515,1	477,5	462,0	454,9	450,6	446,0
75°	574,5	496,8	467,2	449,6	436,6	429,2	422,6
90°	578,3	499,1	468,9	450,6	433,9	418,4	399,8
110°	623,6	513,8	470,0	445,9	423,4	409,4	392,4
120°	645,1	529,7	477,6	452,5	430,6	408,4	380,0
135°	721,8	587,7	509,2	472,2	449,9	428,7	386,5
150°	866,1	684,3	577,2	508,2	472,9	451,1	409,9
Run VMG	1000,1	790,2	665,3	578,5	515,9	478,3	435,4

Certificate
Number **5868**
ORC Ref **SSF00001180**
Issued On **4/5/2015**
VPP Ver. **2015 1.01**
Valid until **31/12/2015**

Crew Weight

Declared	785 kg
Default*	738 kg
Non Manual Pwr	No

Special Scoring

	ToD	ToT
Non Spin GPH	621,4	0,9656
Non Spin OSN	604,5	0,9926
N/S Perf. Line	86,1	0,820

Selected Courses							
Windward / Leeward	995,1	807,4	696,5	630,6	588,0	562,1	537,4
Circular Random	828,2	668,1	581,9	531,6	500,6	480,4	455,6
Ocean for PCS	883,0	697,9	594,8	531,8	490,7	461,5	420,4
Non Spinnaker	866,7	695,4	602,3	547,3	513,0	490,4	462,2

Sails Limitations

Headsails	7	Spinnakers	4
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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	43,5°	42,4°	41,8°	39,8°	38,9°	38,0°	38,1°
Beat VMG	3,64	4,37	4,95	5,27	5,45	5,57	5,63
52°	5,58	6,64	7,31	7,58	7,70	7,77	7,84
60°	5,94	6,99	7,54	7,79	7,91	7,99	8,07
75°	6,27	7,25	7,71	8,01	8,24	8,39	8,52
90°	6,22	7,21	7,68	7,99	8,30	8,61	9,01
110°	5,77	7,01	7,66	8,07	8,50	8,79	9,17
120°	5,58	6,80	7,54	7,96	8,36	8,81	9,47
135°	4,99	6,13	7,07	7,62	8,00	8,40	9,32
150°	4,16	5,26	6,24	7,08	7,61	7,98	8,78
Run VMG	3,60	4,56	5,41	6,22	6,98	7,53	8,27
Gybe Angles	143,8°	149,6°	153,5°	160,2°	174,0°	178,4°	179,0°

Class Division Length
CDL = **10,115**

Storm Sails Areas

Heavy Weather Jib	33,64
Storm Jib (JL=10,26)	12,46
Storm Triesail	14,07

Owner

BOAT	
Name ADA	Sail Nr 5365
File (0)	Data in meters/kilograms

INCLINING TEST AND FREEBOARDS		
Inclining Test Current Inclining		
Flotation date 09/11/1999	SG 1,0050	
FFM 1,365	FF 1,380	SFFP 0,292
FAM 1,089	FA 1,099	SAFP 11,313
W1 92,300	PD1 265,0	WD 11,680
W2 92,300	PD2 262,0	GSA 0,8
W3 92,300	PD3 268,0	RSA 57,6
W4 92,300	PD4 266,0	PLM 2470,0
LCF from stem on CL / on sheer		6,565 / 6,794
Maximum beam station from stem		7,502
RM Measured / Default		173,3 / 183,4
Limit of positive stability / Stab.Index		116,2° / 118,8
Freeboard at mast at 4,410		1,224

RIG			
Forestay Tension Aft	Spreaders 3		
Inner Stay None Fitted	Runners 0		
Carbon Mast No	Jumper Struts None		
Taper Hollows No	Jib Furler No		
Fiber Rigging No	Main Furler No		
Lenticular Rigging No	Without Backstay No		
Articulated Bowsprit No			
P 14,890	E 5,400	MDT1 0,118	MW 0,216
IG 15,695	J 4,410	MDL1 0,216	GO 0,241
ISP 15,795	SFJ	MDT2 0,116	BD 0,190
BAS 1,715	SPL 4,410	MDL2 0,180	MWT 206,00
FSP 0,064	TPS	TL 0,700	MCG 5,680



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2015 Measurements Datasheet

MIZZEN RIG AND SAILS	
N/A	

PROPELLER		
Installation Strut	PRD 0,430	
Type Folding 2 blades	PBW	
Twin Screw No	PIPA 0,0031	
ST1 0,047	ST3 0,170	ST5 0,290
ST2 0,165	ST4 0,098	EDL 2,240

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COMMENTS

MOVEABLE BALLAST
N/A

CENTERBOARD
N/A



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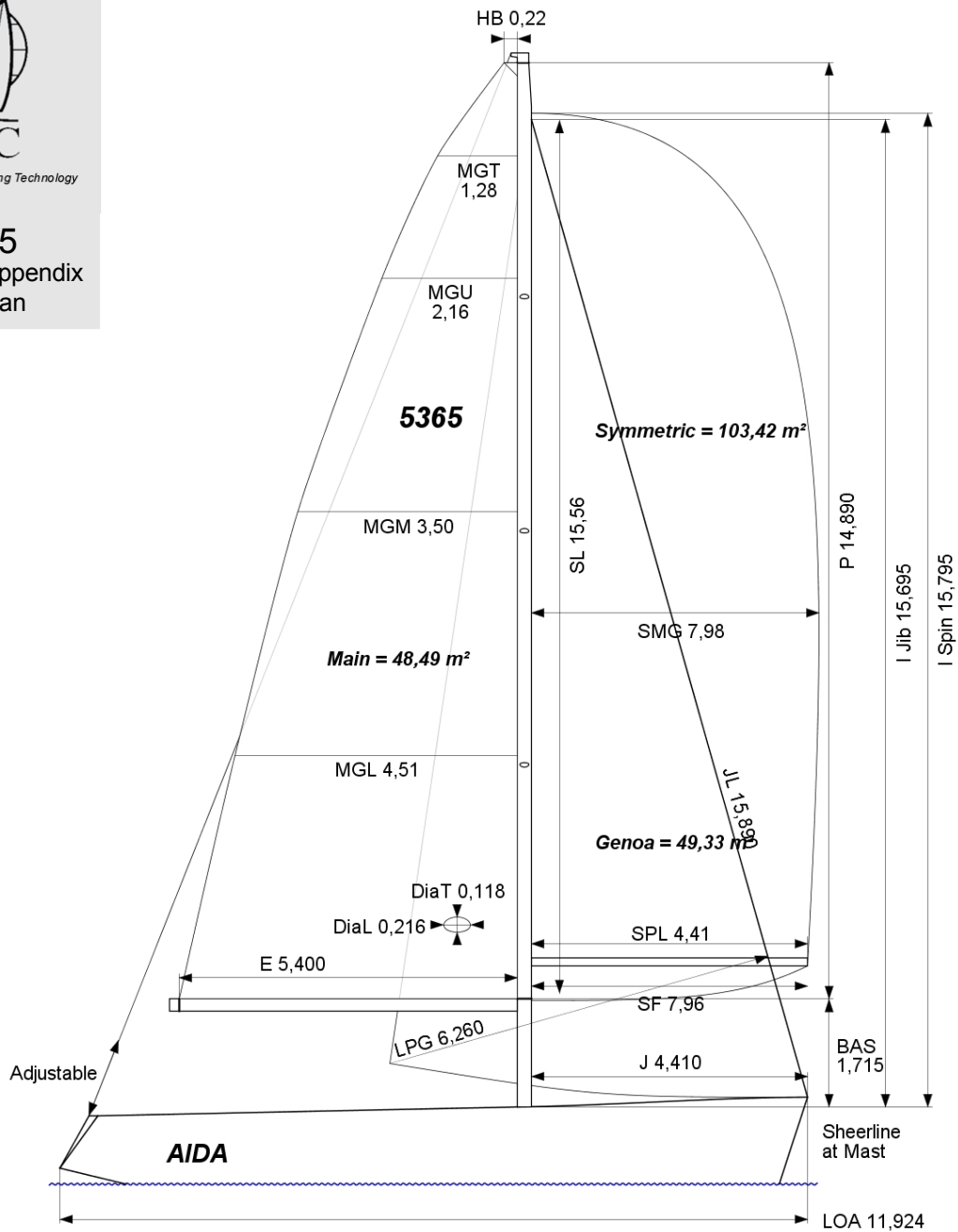
SAILS (Maximum Areas)						
Mainsail	HB	MGT	MGU	MGM	MGL	Area Area (r) Formula
	0,220	1,28	2,16	3,50	4,51	48,49 49,65 $P/8 \cdot (E + 2 \cdot MGL + 2 \cdot MGM + 1.5 \cdot MGU + MGT + 0.5 \cdot HB)$
Symmetric	SL	SMG	SF			103,42 $SL \cdot (SF + 4 \cdot SMG) / 6$
	15,56	7,98	7,96			
Asymmetric	Not Available					

HEADSAILS											
Area = $0.1125 \cdot JL \cdot (1.445 \cdot LPG + 2 \cdot JGL + 2 \cdot JGM + 1.5 \cdot JGU + JGT + 0.5 \cdot JH)$											
JH	JGT	JGU	JGM	JGL	LPG	JL	Area	Btn	Fly	Meas.Date	Material Comment
0,08	0,80	1,53	3,07	4,64	6,26	15,89	49,34				Unknow
0,12	0,82	1,59	3,17	4,78	6,51	15,33	49,28				
0,08	0,72	1,39	2,86	4,45	6,17	15,83	46,98				Unknow



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Certificate Appendix
Sail Plan



SAILS INVENTORY

MAINSAIL

Id	HB	MGT	MGU	MGM	MGL	Area	Measurer	Meas.Date	Manufacture	Material	Comment
ORC	0,220	1,28	2,16	3,50	4,51	48,49					

HEADSAILS

Id	JH	JGT	JGU	JGM	JGL	LPG	JL	Ovrlp	Area	Btn	Fly	Measurer	Meas.Date	Manufacture	Material	Comment
1L	0,08	0,80	1,53	3,07	4,64	6,26	15,89	142%	49,34							Unknow
R	0,12	0,82	1,59	3,17	4,78	6,51	15,33	148%	49,28							Unknow
1H	0,08	0,72	1,39	2,86	4,45	6,17	15,83	140%	46,98							Unknow

SYMMETRIC SPINNAKERS

Id	SL	SMG	SF	Area	Measurer	Meas.Date	Manufacture	Material	Comment
2	15,56	7,98	7,96	103,42				Unknown	
1	15,92	7,76	7,87	103,24				Unknown	
2	16,00	7,28	7,98	98,93				Unknown	

ASYMMETRIC SPINNAKERS

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