

BOAT	GPH	HULL
Name BANZAI Sail Nr ARG-4056	655,0	Length Overall 9,500m Maximum Beam 3,290m Displacement 3.814kg Draft 1,922m IMS Reg. Division Cruiser/Racer Dynamic Allowance 0,099% Fwd Accommodation Yes Hull Construction Solid Carbon Rudder No Crew Arm Extension
GENERAL		IMSL 8,833m VCGD 0,058m Sink 14,67kg/mm
Class PANDORA 31 Designer GERMAN FRERS Builder AST. MARCO Series 06/1994 Age 06/1994 Age Allowance 0,487% Offset File ARG4056.OFF - 08/09/2011 02:33:04 Measurement by JC MACULAN - 06/11/2014		RL 7,798m VCGM 0,086m WS 19,79m²
		LSM0 8,780m Displacement/Length ratio 5,6350



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COSTANERASUR
Y.C.A



SCORING OPTIONS						
	COASTAL / LONG DISTANCE			WINDWARD / LEEWARD		
Time On Distance	637,5			709,6		
Time On Time	0,9412			0,9512		
Triple Number	Low	Medium	High	Low	Medium	High
Time on Distance	748,9	580,8	517,4	970,4	713,9	617,3
Time on Time	0,9013	1,1621	1,3047	0,6956	0,9455	1,0935

TIME ALLOWANCES							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	1085,7	906,7	804,9	756,2	733,9	722,2	714,7
52°	711,4	599,9	548,2	528,7	520,8	516,4	513,6
60°	670,7	571,5	532,7	515,0	506,1	501,0	497,1
75°	637,7	552,1	520,9	501,4	486,0	475,0	466,7
90°	639,5	551,3	517,2	498,4	479,7	461,7	437,7
110°	670,8	557,6	515,4	488,6	462,8	448,3	426,7
120°	694,2	572,1	522,4	495,5	469,3	442,7	408,8
135°	770,9	627,5	548,1	513,8	489,1	463,6	413,6
150°	913,6	722,2	610,7	544,3	513,2	489,9	442,4
Run VMG	1054,9	834,1	703,6	616,3	555,9	520,8	474,7
Selected Courses							
Windward / Leeward	1070,3	870,4	754,2	686,2	644,9	621,5	594,7
Circular Random	900,1	727,8	635,6	582,2	549,2	527,5	499,7
Ocean for PCS	1105,3	854,7	713,6	627,5	571,7	532,5	477,8
Non Spinnaker	942,7	757,9	658,1	599,7	563,6	539,8	509,0

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	42,9°	41,8°	41,5°	39,7°	38,6°	38,3°	38,2°
Beat VMG	3,32	3,97	4,47	4,76	4,91	4,98	5,04
52°	5,06	6,00	6,57	6,81	6,91	6,97	7,01
60°	5,37	6,30	6,76	6,99	7,11	7,19	7,24
75°	5,65	6,52	6,91	7,18	7,41	7,58	7,71
90°	5,63	6,53	6,96	7,22	7,51	7,80	8,22
110°	5,37	6,46	6,99	7,37	7,78	8,03	8,44
120°	5,19	6,29	6,89	7,27	7,67	8,13	8,81
135°	4,67	5,74	6,57	7,01	7,36	7,76	8,70
150°	3,94	4,98	5,89	6,61	7,01	7,35	8,14
Run VMG	3,41	4,32	5,12	5,84	6,48	6,91	7,58
Gybe Angles	146,0°	150,8°	152,3°	159,5°	180,0°	180,0°	180,0°

Certificate
Number **405601**
ORC Ref **ARG00004031**
Issued On **12/01/2017**
VPP Ver. **2017 1.00**
Valid until **31/12/2017**

Crew Weight

Declared	520kg
Default*	572kg
Non Manual Pwr	No

Special Scoring

	ToD	ToT
Non Spin GPH	678,8	0,8839
Non Spin OSN	659,5	0,9098

Sails Limitations

Headsails	5
Spinnakers	3

Class Division Length
CDL = **8,316**

Storm Sails Areas

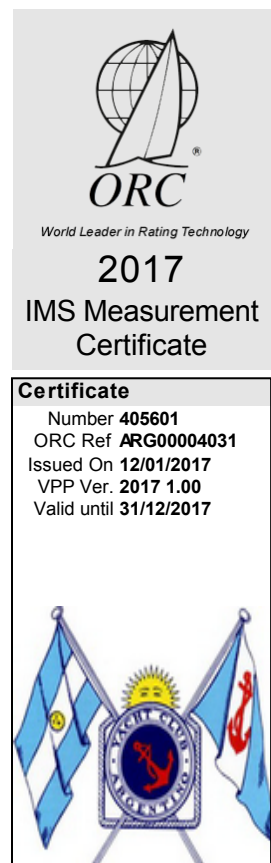
Heavy Weather Jib	19,05
Storm Jib (JL=7,72)	7,06
Storm Trysail	8,98

Owner
ESCALANTE

I certify that I understand my responsibilities under ORC Rules and Regulations

Signature

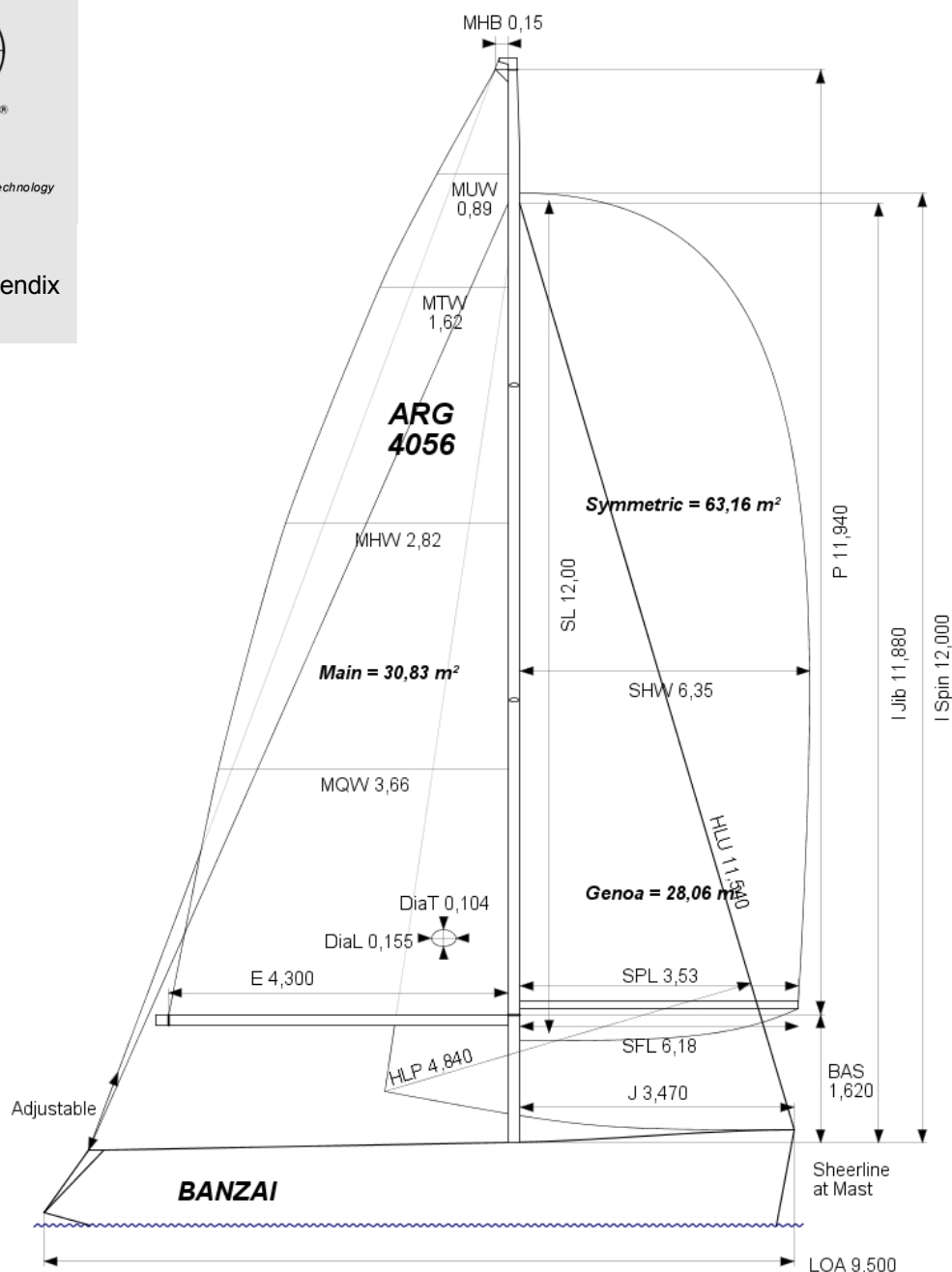
BOAT Name BANZA Sail Nr ARG-4056 File BANZA Data in meters/kilograms		INCLINING TEST AND FREEBOARDS Inclining Test Boom Inclining Flotation date 06/11/2014 SG 1,0000						
RIG Forestay Tension Aft Spreaders 2 Inner Stay None Fitted Runners 1 Carbon Mast No Jumper Struts None Taper Hollows No Jib Furler No Fiber Rigging No Main Furler No Lenticular Rigging Without Backstay No Articulated Bowsprit No		FFM 1,204 FF 1,212 SFFP 0,170 FAM 0,939 FA 0,944 SAFFP 8,749 W1 61,9 PD1 639,7 WD 8,520 W2 61,9 PD2 640,4 GSA 1,0 W3 61,9 PD3 645,9 RSA 1,0 W4 61,9 PD4 643,2 PLM 9000,0 LCF from stem on CL / on sheer 5,306 / 5,538 Maximum beam station from stem 5,989 RM Measured 64,7kg-m RM Default 76,5kg-m Limit of positive stability / Stab.Index 113,9° / 111,5 Freeboard at mast at 3,470 1,038						
MIZZEN RIG AND SAILS N/A		PROPELLER Installation Strut PRD 0,405 Type Folding 2 blades PBW 0,100 Twin Screw No PIPA 0,0032 ST1 0,042 ST3 0,180 ST5 0,270 ST2 0,180 ST4 0,112 EDL 2,000						
COMMENTS 		MOVEABLE BALLAST N/A						
		CENTERBOARD N/A						
SAILS (Maximum Areas)								
Mainsail	MHB	MUW	MTW	MHW	MQW	Area	Area (r)	Formula
	0,150	0,89	1,62	2,82	3,66	30,83	31,51	$P/8 \cdot (E + 2 \cdot MQW + 2 \cdot MHW + 1.5 \cdot MTW + MUW + 0.5 \cdot MHB)$
Symmetric	SLU	SLE	SL	SHW	SFL	63,16		$SL \cdot (SFL + 4 \cdot SHW) / 6$
Asymmetric								
Not Available								
HEADSAILS Area = $0.1125 \cdot HLU \cdot (1.445 \cdot HLP + 2 \cdot HQW + 2 \cdot HHW + 1.5 \cdot HTW + HUW + 0.5 \cdot HHB)$								
HHB	HUW	HTW	HHW	HQW	HLP	HLU	Area	Btn Fly Meas.Date Material Comment
0,07	0,63	1,21	2,42	3,65	4,84	11,54	28,06	07/11/2014 Kevlar
					3,64	11,67	21,62	* Copied from legacy *





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SAILS INVENTORY

MAINSAIL (1)

Id	MHB	MUW	MTW	MHW	MQW	Area	Measurer	Meas.Date	Manufacture	Material	Comment
M2	0,150	0,89	1,62	2,82	3,66	30,83	NP	07/11/2014	NORTH	Kevlar	

HEADSAILS (2)

Id	HHB	HUW	HTW	HHW	HQW	HLP	HLU	Ovrlp	Area	Btn	Fly	Measurer	Meas.Date	Manufacture	Material	Comment
G1 M	0,07	0,63	1,21	2,42	3,65	4,84	11,54	139%	28,06			NP	07/11/2014	NORTH	Kevlar	
G3						3,64	11,67	105%	21,62							* Copied from legacy *

SYMMETRIC SPINNAKERS (1)

Id	SLU	SLE	SL	SHW	SFL	Area	Measurer	Meas.Date	Manufacture	Material	Comment
S2	12,00	12,00	12,00	6,35	6,18	63,16		04/01/2017	NORTH	Nylon	NUEVO

ASYMMETRIC SPINNAKERS (0)

Id	SLU	SLE	SL	SHW	SFL	Area	Kind	Measurer	Meas.Date	Manufacture	Material	Comment
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