BOAT

Name **JACANA 2**
Sail Nr **ARG-5162**

GPH

663,5

GENERAL

Class	**FAYD 30**
Designer	**M. BILLOCH**
Builder	**AST. FAYD**
Series	**01/1996**
Age	**01/1996**
Age Allowance	**0,487%**
Offset File	**ARG5162.off - 12/05/2016 04:08:22**
Measurement by	**P. Gutierrez - 21/08/2012**

HULL

Length Overall	**9,350m**
Maximum Beam	**3,266m**
Displacement	**3.615kg**
Draft	**1,655m**
IMS Reg. Division	**Cruiser/Racer**
Dynamic Allowance	**0,187%**
Fwd Accommodation	**Yes**
Hull Construction	**Solid**
Carbon Rudder	**No**
Crew Arm Extension	

IMSL	**8,868m**	VCGD	**0,086m**	Sink	**15,64kg/mm**
RL	**7,421m**	VCGM	**0,071m**	WS	**19,88m²**
LSM0	**8,788m**	Displacement/Length ratio			**5,3265**

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SCORING OPTIONS

	COASTAL / LONG DISTANCE			WINDWARD / LEEWARD		
Time On Distance	**644,8**			**721,2**		
Time On Time	**0,9305**			**0,9359**		
Triple Number	Low	Medium	High	Low	Medium	High
Time on Distance	**764,2**	**587,4**	**517,6**	**992,8**	**726,7**	**625,1**
Time on Time	**0,8833**	**1,1492**	**1,3041**	**0,6799**	**0,9289**	**1,0798**

TIME ALLOWANCES

Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	**1140,0**	**946,8**	**840,2**	**775,2**	**749,7**	**738,7**	**731,2**
52°	**738,8**	**620,8**	**560,3**	**532,8**	**521,7**	**516,6**	**512,9**
60°	**692,5**	**586,2**	**540,4**	**518,0**	**505,0**	**499,1**	**495,0**
75°	**654,8**	**562,1**	**525,9**	**504,4**	**485,1**	**470,2**	**459,0**
90°	**654,5**	**560,6**	**517,4**	**492,7**	**480,5**	**459,7**	**428,2**
110°	**670,9**	**558,5**	**515,7**	**487,3**	**457,9**	**433,5**	**408,7**
120°	**693,8**	**573,1**	**522,8**	**494,6**	**466,6**	**438,8**	**388,0**
135°	**770,2**	**627,8**	**549,4**	**514,3**	**488,2**	**460,8**	**407,9**
150°	**911,2**	**720,6**	**611,0**	**545,3**	**513,5**	**488,9**	**438,7**
Run VMG	**1052,2**	**832,1**	**703,2**	**617,0**	**556,3**	**521,0**	**472,3**
Selected Courses							
Windward / Leeward	**1096,1**	**889,4**	**771,7**	**696,1**	**653,0**	**629,8**	**601,8**
Circular Random	**917,0**	**739,5**	**643,8**	**587,4**	**552,1**	**528,4**	**497,5**
Ocean for PCS	**1126,8**	**869,2**	**723,4**	**633,6**	**574,4**	**532,1**	**470,5**
Non Spinnaker	**964,7**	**773,2**	**669,0**	**607,5**	**569,1**	**543,9**	**512,0**

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	**43,9°**	**42,6°**	**42,5°**	**41,0°**	**40,0°**	**39,6°**	**40,2°**
Beat VMG	**3,16**	**3,80**	**4,28**	**4,64**	**4,80**	**4,87**	**4,92**
52°	**4,87**	**5,80**	**6,42**	**6,76**	**6,90**	**6,97**	**7,02**
60°	**5,20**	**6,14**	**6,66**	**6,95**	**7,13**	**7,21**	**7,27**
75°	**5,50**	**6,40**	**6,85**	**7,14**	**7,42**	**7,66**	**7,84**
90°	**5,50**	**6,42**	**6,96**	**7,31**	**7,49**	**7,83**	**8,41**
110°	**5,37**	**6,45**	**6,98**	**7,39**	**7,86**	**8,30**	**8,81**
120°	**5,19**	**6,28**	**6,89**	**7,28**	**7,71**	**8,20**	**9,28**
135°	**4,67**	**5,73**	**6,55**	**7,00**	**7,37**	**7,81**	**8,83**
150°	**3,95**	**5,00**	**5,89**	**6,60**	**7,01**	**7,36**	**8,21**
Run VMG	**3,42**	**4,33**	**5,12**	**5,83**	**6,47**	**6,91**	**7,62**
Gybe Angles	**146,0°**	**150,8°**	**153,0°**	**160,0°**	**180,0°**	**180,0°**	**180,0°**

Rating Office

PATRICIO D. GUTIERREZ
C. GRIERSON Y
COSTANERA SUR
Y.C.A

Certificate

Number **516201**
ORC Ref **ARG00004517**
Issued On **10/03/2017**
VPP Ver. **2017 1.00**
Valid until **31/12/2017**

Crew Weight

Declared	**581kg**
Default*	**573kg**
Non Manual Pwr	**No**

Special Scoring

	ToD	ToT
Double H.GPH	**667,9**	**0,8984**
Double H.OSN	**651,1**	**0,9216**
Non Spin GPH	**690,4**	**0,8691**
Non Spin OSN	**669,3**	**0,8965**

Sails Limitations

Headsails	Spinnakers
5	**3**

Class Division Length

CDL = **8,145**

Storm Sails Areas

Heavy Weather Jib	**18,72**
Storm Jib (JL=7,65)	**6,93**
Storm Trysail	**9,54**

Owner

MARCELO SELLANES
RECONQUISTA 575
CAPITAL FEDERAL

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

Signature

BOAT

Name	**JACANA 2**	Sail Nr	**ARG-5162**
File	**arg5162i**	Data in	**meters/kilograms**

RIG

Forestay Tension	**Aft**	Spreaders	**2**
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	**12,120**	E	**4,500**	MDT1	**0,105**	MW	**0,160**
IG	**11,775**	J	**3,480**	MDL1	**0,160**	GO	**0,160**
ISP	**12,085**	SFJ	**0,000**	MDT2	**0,098**	BD	**0,137**
BAS	**1,535**	SPL	**3,480**	MDL2	**0,103**	MWT	**108,00**
FSP	**0,070**	TPS		TL	**1,450**	MCG	**3,220**

MIZZEN RIG AND SAILS

N/A

COMMENTS

INCLINING TEST AND FREEBOARDS

Inclining Test **Current Inclining**

Flotation date **12/05/2016** SG **1,0000**

FFM	**1,135**	FF	**1,141**	SFFP	**0,100**
FAM	**0,908**	FA	**0,917**	SAFP	**8,790**
W1	**73,2**	PD1	**544,5**	WD	**8,180**
W2	**73,2**	PD2	**543,0**	GSA	**1,0**
W3	**73,2**	PD3	**544,2**	RSA	**1,0**
W4	**73,2**	PD4	**544,7**	PLM	**9000,0**

LCF from stem on CL / on sheer	**5,234 / 5,463**
Maximum beam station from stem	**5,992**
RM Measured	**86,7kg·m**
RM Default	**88,8kg·m**
Limit of positive stability / Stab.Index	**111,0° / 108,0**
Freeboard at mast at 3,480	**1,008**

PROPELLER

Installation	**Strut**	PRD	**0,410**
Type	**Folding 2 blades**	PBW	**0,110**
Twin Screw	**No**	PIPA	**0,0032**

ST1	**0,042**	ST3	**0,180**	ST5	**0,260**
ST2	**0,180**	ST4	**0,112**	EDL	**1,760**

MOVEABLE BALLAST

N/A

CENTERBOARD

N/A

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Certificate

Number **516201**
ORC Ref **ARG00004517**
Issued On **10/03/2017**
VPP Ver. **2017 1.00**
Valid until **31/12/2017**

SAILS (Maximum Areas)

						Area	Area (r)	Formula
Mainsail	**MHB**	**MUW**	**MTW**	**MHW**	**MQW**			
	0,150	0,92	1,68	2,89	3,75	32,26	32,97	P/8 · (E + 2·MQW+ 2·MHW + 1.5·MTW + MUW + 0.5·MHB)
Symmetric	**SLU**	**SLE**	**SL**	**SHW**	**SFL**			
	11,91	11,91	11,91	6,23	5,97	61,32		SL · (SFL + 4·SHW) / 6

Asymmetric
Not Available

HEADSAILS

Area = 0.1125·HLU · (1.445·HLP + 2·HQW + 2·HHW + 1.5·HTW + HUW + 0.5·HHB)

HHB	HUW	HTW	HHW	HQW	HLP	HLU	Area	Btn	Fly	Meas.Date	Material	Comment
0,07	0,53	1,02	2,00	2,93	3,85	12,17	23,98	Y		15/10/2014	Kevlar	
0,08	0,54	1,04	1,99	2,94	3,86	12,10	23,93	Y		13/01/2012	Kevlar	* Copied from legacy *
0,07	0,53	1,02	2,00	2,93	3,85	12,09	23,83	Y		07/11/2014	Kevlar	

MEASUREMENT INVENTORY

Measurer **PG PG**
Date **12/05/2016**
Comment

Id	*Item*	*Weight*	*Distance*	*VCG*	*Description*

Id	*Item*	*Maker*	*Model*
C5	Engine	YANMAR	21 HP

Id	*Item*	*Weight*	*Description*

MEASUREMENT INVENTORY

Id	*Item*	*Tank Use*	*Tank Type*	*Capcty*	*Dist.*	*VCG*	*Condtn*	*Description*
E4	Tank	GAS OIL	INOX	60,0	6,80	0,10	~~29,0~~	
E6	Tank	AGUA	PVC FLEX	60,0	4,80	0,00	~~0,0~~	
B6	Tank	AGUA	PVC FLEX	60,0	4,80	0,00	~~0,0~~	

Id	*Item*	*Weight*	*Distance*	*VCG*	*Description*
B5	Battery	18,0	5,50	0,00	12 V X 90 AMP
C7	Battery	23,0	4,10	0,00	12 V X 180 AMP

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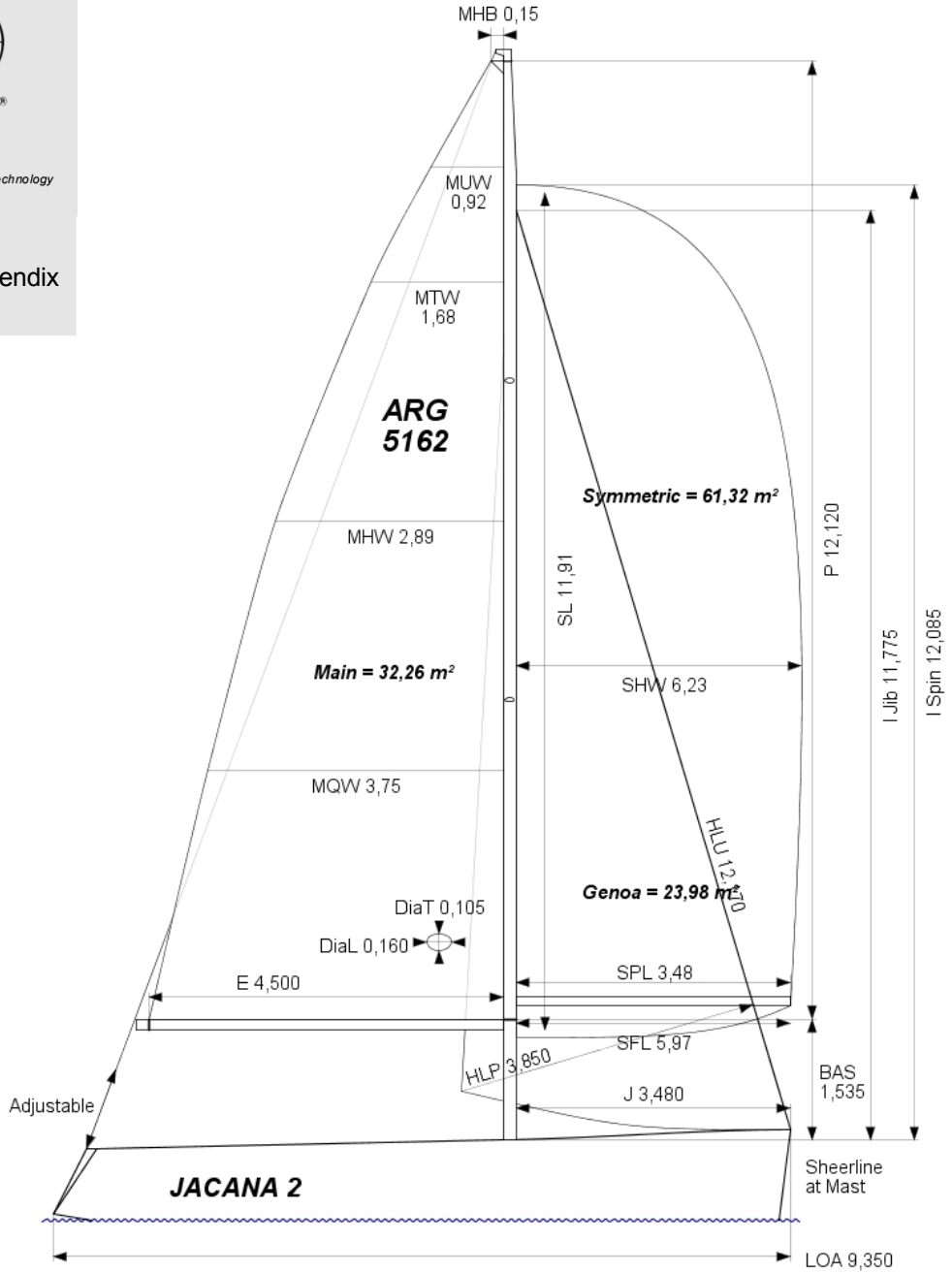
2017
Certificate Appendix
Sail Plan



SAILS INVENTORY

MAINSAIL (1)

Id	MHB	MUW	MTW	MHW	MQW	Area	Measurer	Meas.Date	Manufacture	Material	Comment
M2	0,150	0,92	1,68	2,89	3,75	32,26		06/11/2013	NORTH	Kevlar	

HEADSAILS (3)

Id	HHB	HUW	HTW	HHW	HQW	HLP	HLU	Ovrlp	Area	Btn	Fly	Measurer	Meas.Date	Manufacture	Material	Comment
G1MH	0,07	0,53	1,02	2,00	2,93	3,85	12,17	111%	23,98	Y			15/10/2014	NORTH	Kevlar	
G1	0,08	0,54	1,04	1,99	2,94	3,86	12,10	111%	23,93	Y		NS	13/01/2012	NORTH	Kevlar	* Copied from legacy *
G1 LM	0,07	0,53	1,02	2,00	2,93	3,85	12,09	111%	23,83	Y		NP	07/11/2014	NORTH	Kevlar	

SYMMETRIC SPINNAKERS (3)

Id	SLU	SLE	SL	SHW	SFL	Area	Measurer	Meas.Date	Manufacture	Material	Comment
S3 AP	11,91	11,91	11,91	6,23	5,97	61,32	PG	06/11/2013	NORTH	Nylon	NUEVO
S1.5	11,90	11,90	11,90	6,20	5,92	60,93		11/01/2011	NORTH	Nylon	* Copied from legacy *
S3	11,92	11,92	11,92	6,15	5,98	60,75		11/01/2011	NORTH	Nylon	

ASYMMETRIC SPINNAKERS (0)

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