

BOAT Name JABEQUE Reloaded Sail Nr ARG-110	GPH 652,2	HULL Length Overall 8,610m Maximum Beam 2,198m Displacement 1.891kg Draft 1,871m IMS Reg. Division Performance Dynamic Allowance 0,077% Fwd Accommodation No Hull Construction Solid Carbon Rudder No Crew Arm Extension IMSL 7,635m VCGD -0,214m Sink 10,94kg/mm RL 7,678m VCGM -0,128m WS 14,40m² LSM0 7,113m Displacement/Length ratio 5,2545
GENERAL Class G 28 Designer PGAN Builder ARTESANAL - HOOD Series 08/2006 Age 08/2006 Age Allowance 0,357% Offset File JABEQNK4.OFF - 10/09/2010 04:38:14 Measurement by J. BERTONE - 03/11/2015		



World Leader in Rating Technology

2017
ORC International
Certificate

Rating Office
PATRICIO D. GUTIERREZ
C. GRIERSON Y
COSTANERASUR
Y.C.A



SCORING OPTIONS	COASTAL / LONG DISTANCE			WINDWARD / LEEWARD		
Time On Distance	634,4			711,4		
Time On Time	0,9457			0,9489		
Triple Number	Low	Medium	High	Low	Medium	High
Time on Distance	748,0	577,7	512,6	971,1	711,0	623,7
Time on Time	0,9024	1,1684	1,3169	0,6951	0,9494	1,0823

TIME ALLOWANCES							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	1111,4	912,7	794,5	762,0	749,9	740,1	738,3
52°	722,6	601,0	551,3	538,5	533,0	529,2	521,5
60°	677,8	575,4	536,4	521,2	514,5	510,8	499,2
75°	641,4	558,6	524,1	496,2	482,8	476,1	466,3
90°	642,3	552,6	519,5	492,4	462,7	442,6	431,3
110°	654,8	551,8	510,2	472,0	452,2	432,7	402,6
120°	678,2	563,4	519,4	480,5	441,8	414,5	381,5
135°	757,1	610,1	545,1	509,2	473,1	437,4	358,0
150°	901,0	709,9	598,5	542,6	509,1	475,9	408,0
Run VMG	1040,4	819,8	688,9	609,4	554,0	519,9	458,6

Selected Courses							
Windward / Leeward	1075,9	866,2	741,7	685,7	652,0	630,0	598,5
Circular Random	898,6	725,4	632,7	579,0	545,5	522,7	490,7
Ocean for PCS	1103,3	851,0	709,5	623,2	566,6	526,0	467,4
Non Spinnaker	951,7	762,9	660,9	601,5	564,5	539,7	506,3

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	44,0°	42,6°	40,3°	38,8°	38,4°	38,1°	38,6°
Beat VMG	3,24	3,94	4,53	4,72	4,80	4,86	4,88
52°	4,98	5,99	6,53	6,68	6,75	6,80	6,90
60°	5,31	6,26	6,71	6,91	7,00	7,05	7,21
75°	5,61	6,45	6,87	7,26	7,46	7,56	7,72
90°	5,61	6,51	6,93	7,31	7,78	8,13	8,35
110°	5,50	6,52	7,06	7,63	7,96	8,32	8,94
120°	5,31	6,39	6,93	7,49	8,15	8,69	9,44
135°	4,76	5,90	6,60	7,07	7,61	8,23	10,05
150°	4,00	5,07	6,01	6,64	7,07	7,56	8,82
Run VMG	3,46	4,39	5,23	5,91	6,50	6,92	7,85
Gybe Angles	145,1°	148,9°	152,2°	161,4°	180,0°	180,0°	180,0°

Certificate
Number **011001**
ORC Ref **ARG00004516**
Issued On **10/03/2017**
VPP Ver. **2017 1.00**
Valid until **31/12/2017**

Crew Weight

Declared	440kg
Default*	423kg
Non Manual Pwr	No

Special Scoring

	ToD	ToT
Double H.GPH	660,9	0,9078
Double H.OSN	644,1	0,9316
Non Spin GPH	682,2	0,8795
Non Spin OSN	662,6	0,9055

Sails Limitations

Headsails	5
Spinnakers	3

Class Division Length
CDL = 7,657

Storm Sails Areas

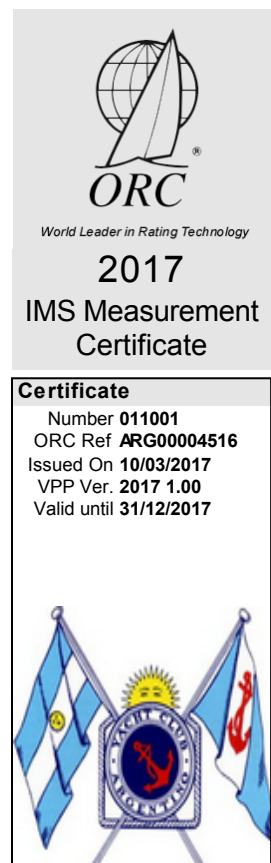
Heavy Weather Jib	15,51
Storm Jib (JL=6,97)	5,75
Storm Trysail	7,15

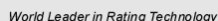
Owner
H. MONES RUIZ / D. ABUD

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

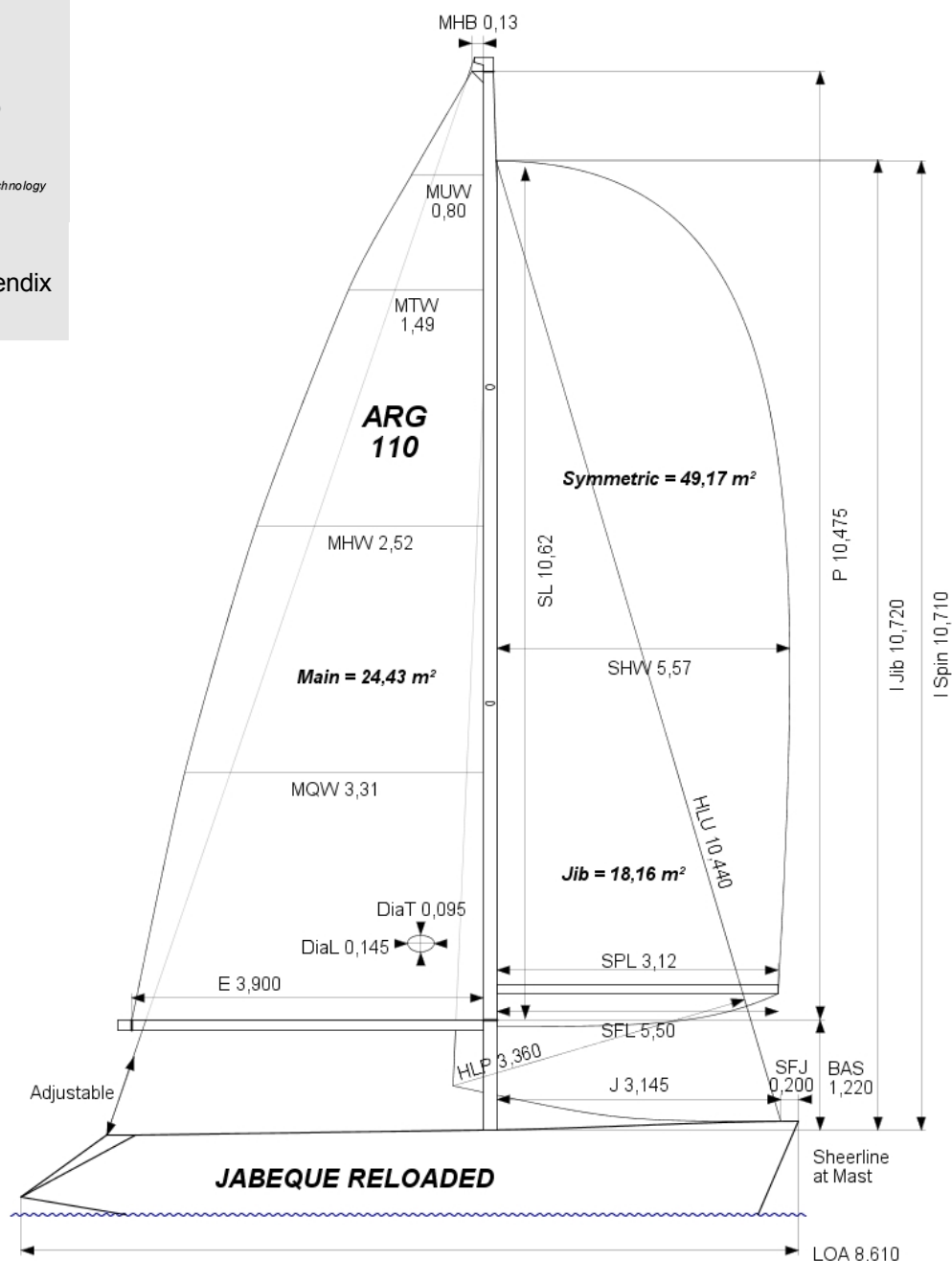
Signature

BOAT Name JABEQUE Reloaded Sail Nr ARG-110 File ARG110 Data in meters/kilograms		INCLINING TEST AND FREEBOARDS Inclining Test Current Inclining Flotation date 03/11/2015 SG 1,0000																																																							
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		FFM 1,026 FF 1,030 SFFP 0,200 FAM 0,871 FA 0,875 SAFFP 7,340 W1 46,7 PD1 629,4 WD 7,880 W2 46,7 PD2 629,6 GSA 1,0 W3 46,7 PD3 630,7 RSA 1,0 W4 46,7 PD4 634,2 PLM 9000,0 LCF from stem on CL / on sheer 4,456 / 4,584 Maximum beam station from stem 5,130 RM Measured 45,9kg-m RM Default 44,8kg-m Limit of positive stability / Stab.Index 128,9° / 130,7 Freeboard at mast at 3,345 0,930																																																							
MIZZEN RIG AND SAILS N/A		PROPELLER Type No Propeller																																																							
COMMENTS L. INTERNO 25 KG YCA		MOVEABLE BALLAST N/A																																																							
		CENTERBOARD N/A																																																							
SAILS (Maximum Areas) <table border="1" style="width: 100%;"> <tr> <th>Mainsail</th> <th>MHB</th> <th>MUW</th> <th>MTW</th> <th>MHW</th> <th>MQW</th> <th>Area</th> <th>Area (r)</th> <th>Formula</th> </tr> <tr> <td></td> <td>0,130</td> <td>0,80</td> <td>1,49</td> <td>2,52</td> <td>3,31</td> <td>24,43</td> <td>25,01</td> <td>$P/8 \cdot (E + 2 \cdot MQW + 2 \cdot MHW + 1.5 \cdot MTW + MUW + 0.5 \cdot MHB)$</td> </tr> <tr> <th>Symmetric</th> <th>SLU</th> <th>SLE</th> <th>SL</th> <th>SHW</th> <th>SFL</th> <th colspan="3"></th> </tr> <tr> <td></td> <td>10,62</td> <td>10,62</td> <td>10,62</td> <td>5,57</td> <td>5,50</td> <td>49,17</td> <td></td> <td>$SL \cdot (SFL + 4 \cdot SHW) / 6$</td> </tr> <tr> <th>Asymmetric</th> <th colspan="8"></th> </tr> <tr> <td>Not Available</td> <td colspan="8"></td> </tr> </table>				Mainsail	MHB	MUW	MTW	MHW	MQW	Area	Area (r)	Formula		0,130	0,80	1,49	2,52	3,31	24,43	25,01	$P/8 \cdot (E + 2 \cdot MQW + 2 \cdot MHW + 1.5 \cdot MTW + MUW + 0.5 \cdot MHB)$	Symmetric	SLU	SLE	SL	SHW	SFL					10,62	10,62	10,62	5,57	5,50	49,17		$SL \cdot (SFL + 4 \cdot SHW) / 6$	Asymmetric									Not Available								
Mainsail	MHB	MUW	MTW	MHW	MQW	Area	Area (r)	Formula																																																	
	0,130	0,80	1,49	2,52	3,31	24,43	25,01	$P/8 \cdot (E + 2 \cdot MQW + 2 \cdot MHW + 1.5 \cdot MTW + MUW + 0.5 \cdot MHB)$																																																	
Symmetric	SLU	SLE	SL	SHW	SFL																																																				
	10,62	10,62	10,62	5,57	5,50	49,17		$SL \cdot (SFL + 4 \cdot SHW) / 6$																																																	
Asymmetric																																																									
Not Available																																																									
HEADSAILS Area = $0.1125 \cdot HLU \cdot (1.445 \cdot HLP + 2 \cdot HQW + 2 \cdot HHW + 1.5 \cdot HTW + HUW + 0.5 \cdot HHB)$ <table border="1" style="width: 100%;"> <tr> <th>HHB</th> <th>HUW</th> <th>HTW</th> <th>HHW</th> <th>HQW</th> <th>HLP</th> <th>HLU</th> <th>Area</th> <th>Btn</th> <th>Fly</th> <th>Meas.Date</th> <th>Material</th> <th>Comment</th> </tr> <tr> <td>0,07</td> <td>0,50</td> <td>0,98</td> <td>1,78</td> <td>2,52</td> <td>3,36</td> <td>10,44</td> <td>18,16</td> <td>Y</td> <td></td> <td>22/09/2016</td> <td>Pentex</td> <td>NUEVO</td> </tr> <tr> <td>0,05</td> <td>0,47</td> <td>0,95</td> <td>1,71</td> <td>2,45</td> <td>3,18</td> <td>10,49</td> <td>17,51</td> <td></td> <td></td> <td>27/10/2011</td> <td>Pentex</td> <td></td> </tr> <tr> <td>0,04</td> <td>0,43</td> <td>0,83</td> <td>1,62</td> <td>2,42</td> <td>3,19</td> <td>10,36</td> <td>16,77</td> <td></td> <td></td> <td>19/08/2010</td> <td>Kevlar</td> <td></td> </tr> </table>				HHB	HUW	HTW	HHW	HQW	HLP	HLU	Area	Btn	Fly	Meas.Date	Material	Comment	0,07	0,50	0,98	1,78	2,52	3,36	10,44	18,16	Y		22/09/2016	Pentex	NUEVO	0,05	0,47	0,95	1,71	2,45	3,18	10,49	17,51			27/10/2011	Pentex		0,04	0,43	0,83	1,62	2,42	3,19	10,36	16,77			19/08/2010	Kevlar			
HHB	HUW	HTW	HHW	HQW	HLP	HLU	Area	Btn	Fly	Meas.Date	Material	Comment																																													
0,07	0,50	0,98	1,78	2,52	3,36	10,44	18,16	Y		22/09/2016	Pentex	NUEVO																																													
0,05	0,47	0,95	1,71	2,45	3,18	10,49	17,51			27/10/2011	Pentex																																														
0,04	0,43	0,83	1,62	2,42	3,19	10,36	16,77			19/08/2010	Kevlar																																														
MEASUREMENT INVENTORY Measurer JC MACULAN JCM Date 03/11/2015 Comment		MEASUREMENT INVENTORY <table border="1" style="width: 100%;"> <tr> <th>Id</th> <th>Item</th> <th>Weight</th> <th>Distance</th> <th>VCG</th> <th>Description</th> </tr> <tr> <td>C4</td> <td>Ballast</td> <td>25,0</td> <td>5,25</td> <td>0,00</td> <td>1 PAN DE PLOMO</td> </tr> <tr> <td>C4</td> <td>Battery</td> <td>16,0</td> <td>5,44</td> <td>0,00</td> <td>12 V X 55 AMP</td> </tr> </table>		Id	Item	Weight	Distance	VCG	Description	C4	Ballast	25,0	5,25	0,00	1 PAN DE PLOMO	C4	Battery	16,0	5,44	0,00	12 V X 55 AMP																																				
Id	Item	Weight	Distance	VCG	Description																																																				
C4	Ballast	25,0	5,25	0,00	1 PAN DE PLOMO																																																				
C4	Battery	16,0	5,44	0,00	12 V X 55 AMP																																																				
<table border="1" style="width: 100%;"> <tr> <th>Id</th> <th>Item</th> <th>Weight</th> <th>Distance</th> <th>VCG</th> <th>Description</th> </tr> <tr> <td>C4</td> <td>Engine</td> <td>PARSUN</td> <td>3,6 HP</td> <td></td> <td></td> </tr> </table>		Id	Item	Weight	Distance	VCG	Description	C4	Engine	PARSUN	3,6 HP																																														
Id	Item	Weight	Distance	VCG	Description																																																				
C4	Engine	PARSUN	3,6 HP																																																						
<table border="1" style="width: 100%;"> <tr> <th>Id</th> <th>Item</th> <th>Weight</th> <th>Description</th> </tr> </table>		Id	Item	Weight	Description																																																				
Id	Item	Weight	Description																																																						





2017
Certificate Appendix
Sail Plan



SAILS INVENTORY

MAINSAIL (1)

HEADSAILS (3)																
Id	MHB	MUW	MTW	MHW	MQW	Area	Measurer	Meas.Date	Manufacture	Material	Comment					
M2	0,130	0,80	1,49	2,52	3,31	24,43	JCM	22/09/2016	NORTH	Kevlar						
Id	HHB	HUW	HTW	HHW	HQW	HLP	HLU	Ovrlp	Area	Btn	Fly	Measurer	Meas.Date	Manufacture	Material	Comment
G1LM	0,07	0,50	0,98	1,78	2,52	3,36	10,44	107%	18,16	Y		JCM	22/09/2016	NORTH	Pentex	NUEVO
G1 LM	0,05	0,47	0,95	1,71	2,45	3,18	10,49	101%	17,51				27/10/2011	HOOD	Pentex	
G1 H	0,04	0,43	0,83	1,62	2,42	3,19	10,36	101%	16,77				19/08/2010	HOOD	Kevlar	

HEADSAILS (3)

SYMMETRIC SPINNAKERS (1)

Id	SLU	SLE	SL	SHW	SFL	Area	Measurer	Meas.Date	Manufacture	Material	Comment
S 2	10,62	10,62	10,62	5,57	5,50	49,17	JCM	03/11/2015	ELVSTROM	Nylon	* Copied from legacy *

ASYMMETRIC SPINNAKERS (0)

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