

BOAT Name LA RABUDA Sail Nr ESP-6281	GPH 691,3	HULL Length Overall 9,440 m Maximum Beam 3,328 m Displacement 4.476 kg Draft 1,998 m IMS Reg. Division Cruiser/Racer Dynamic Allowance 0,361% Fwd Accommodation Yes Hull Construction Solid Carbon Rudder No Crew Arm Extension
GENERAL Class SUN FAST 32 I Designer BRIAND Builder JEANNEAU Series 01/2001 Age 06/2002 Age Allowance 0,455% Offset File JEAN32I.OFF - 11/6/2007 13:55:46 Measurement by GVALVERDE - 03/10/2003		IMS L 8,865 VCGD 0,171 Sink 15,93 kg/mm RL 7,182 VCGM 0,213 WS 21,34 m²




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SCORING OPTIONS	OFFSHORE COASTAL / LONG DISTANCE			INSHORE WINDWARD / LEEWARD		
	Time On Distance	669,1			743,5	
Time On Time	0,8967			0,9078		
Performance Line	PLT	PLD		PLT	PLD	
	0,747	93,5		0,686	142,0	
Triple Number	Low	Medium	High	Low	Medium	High
	0,8347	1,1103	1,2612	0,6422	0,8979	1,0645

TIME ALLOWANCES							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	1185,4	977,9	863,6	787,9	754,7	739,1	731,3
52°	770,6	646,3	574,4	540,9	527,6	522,0	518,6
60°	725,0	610,7	552,0	526,3	513,2	507,3	503,5
75°	690,5	584,2	537,1	515,1	499,7	487,8	476,8
90°	699,7	591,9	534,1	512,5	501,3	486,1	460,5
110°	715,8	588,9	532,2	505,7	483,2	463,5	446,8
120°	741,4	608,5	541,0	512,8	491,7	469,6	433,6
135°	834,0	679,2	580,0	533,2	508,6	487,7	444,9
150°	992,8	777,0	653,6	572,5	531,4	508,0	466,7
Run VMG	1146,4	894,9	748,6	644,9	575,0	534,5	490,6

Selected Courses							
Windward / Leeward	1165,9	936,4	806,1	716,4	664,9	636,8	610,9
Circular Random	965,8	774,1	669,8	608,5	570,7	546,6	517,5
Ocean for PCS	1028,6	808,1	684,5	609,1	560,5	526,9	480,6
Non Spinnaker	1017,0	810,3	696,8	629,2	587,3	560,3	528,4

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	43,6°	41,8°	41,8°	40,9°	39,5°	38,7°	38,4°
Beat VMG	3,04	3,68	4,17	4,57	4,77	4,87	4,92
52°	4,67	5,57	6,27	6,66	6,82	6,90	6,94
60°	4,97	5,89	6,52	6,84	7,01	7,10	7,15
75°	5,21	6,16	6,70	6,99	7,20	7,38	7,55
90°	5,14	6,08	6,74	7,02	7,18	7,41	7,82
110°	5,03	6,11	6,76	7,12	7,45	7,77	8,06
120°	4,86	5,92	6,65	7,02	7,32	7,67	8,30
135°	4,32	5,30	6,21	6,75	7,08	7,38	8,09
150°	3,63	4,63	5,51	6,29	6,77	7,09	7,71
Run VMG	3,14	4,02	4,81	5,58	6,26	6,74	7,34
Gybe Angles	147,0°	153,6°	168,1°	170,9°	174,9°	178,6°	179,1°

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VPP Ver. **2015 1.01**
Valid until **31/12/2015**

Crew Weight

Declared **474 kg**
Default* **573 kg**
Non Manual Pwr **No**

Special Scoring

	ToD	ToT
Double H.GPH	694,7	0,8637
Double H.OSN	674,1	0,8900
Non Spin GPH	719,8	0,8336
Non Spin OSN	693,8	0,8649
N/S Perf. Line	69,7	0,686

Sails Limitations

Headsails	Spinnakers
6	3

Class Division Length

CDL = **8,024**

Storm Sails Areas


Heavy Weather Jib **19,40**
Storm Jib (JL=7,79) **7,19**
Storm Triesail **7,30**

Owner

BOAT	
Name LARABUDA	Sail Nr ESP-6281
File (0)	Data in meters/kilograms

INCLINING TEST AND FREEBOARDS			
Inclining Test Current Inclining			
Flotation date 25/03/2015		SG 1,0250	
FFM 1,326	FF 1,325	SFFP 0,215	
FAM 1,016	FA 1,017	SAFP 8,790	
W1 43,000	PD1 424,7	WD 9,260	
W2 43,000	PD2 424,7	GSA 1,0	
W3 43,000	PD3 424,7	RSA 1,0	
W4 43,000	PD4 422,9	PLM 9000,0	
LCF from stem on CL / on sheer		5,321 / 5,562	
Maximum beam station from stem		6,345	
RM Measured / Default		73,9 / 86,6	
Limit of positive stability / Stab.Index		109,8° / 109,8	
Freeboard at mast at 3,620		1,153	


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 11,160	E 3,740	MDT1 0,106	MW 0,160
IG 11,948	J 3,620	MDL1 0,160	GO 0,172
ISP 11,978	SFJ	MDT2 0,106	BD 0,111
BAS 1,613	SPL 3,700	MDL2 0,127	MWT 99,40
FSP 0,064	TPS	TL 0,690	MCG 3,940



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2015 Measurements Datasheet

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MIZZEN RIG AND SAILS	
N/A	

PROPELLER			
Installation Shaft exposed	PRD 0,450		
Type Folding 2 blades	PBW		
Twin Screw No	PIPA 0,0048		
PSA 21,800	PHL 0,115	ST3 0,082	ESL 0,810
PSD 0,025	ST1 0,022	ST4 0,054	
PHD 0,067	ST2 0,074	ST5 0,200	

COMMENTS	

MOVEABLE BALLAST	
N/A	

CENTERBOARD	
N/A	

SAILS (Maximum Areas)						
Mainsail	HB	MGT	MGU	MGM	MGL	Area Area (r) Formula
	0,150	0,76	1,40	2,39	3,12	24,68 25,12 $P/8 \cdot (E + 2 \cdot MGL + 2 \cdot MGM + 1.5 \cdot MGU + MGT + 0.5 \cdot HB)$
Symmetric	SL	SMG	SF			
	11,90	6,56	6,65	65,23	$SL \cdot (SF + 4 \cdot SMG) / 6$	
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	0,63	1,23	2,50	3,84	5,29	11,47	29,47			26/03/2015	Kevlar	

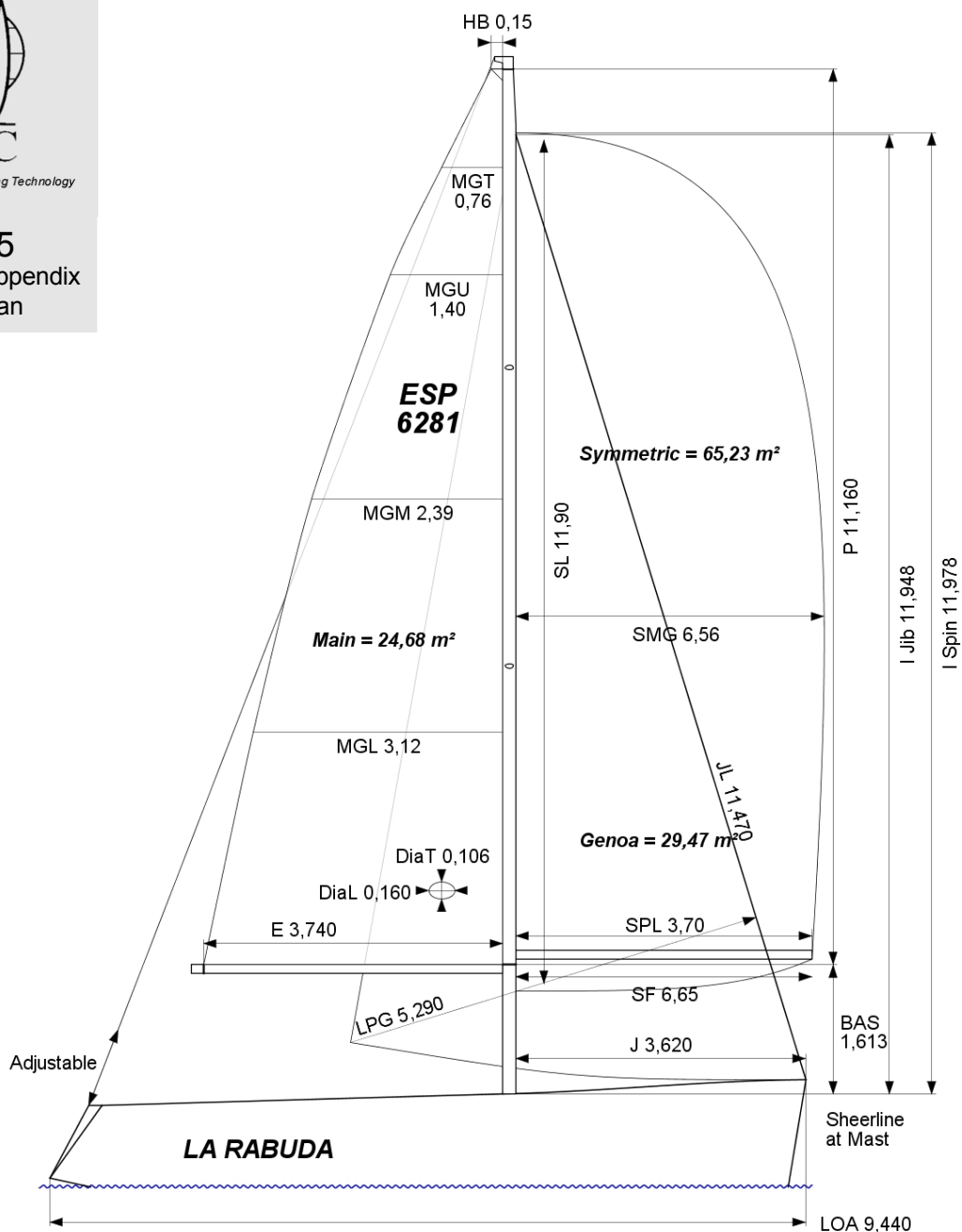
MEASUREMENT INVENTORY				
Measurer ALARCON/SIERRA825/744				
Date 25/03/2015				
Comment				
Id	Item	Weight	Distance	VCG Description
Id	Item	Weight	Distance	Description

MEASUREMENT INVENTORY									
Id	Item	Tank	Use	Tank Type	Capcty	Dist.	VCG	Condtn	Description
01	Tank	GASOIL		METALICO	70,0	7,61	-0,15	5-0	RESERVA
02	Tank	AGUA		PLASTICO	170,0	2,52	0,00	0-0	VACIO
Id	Item	Weight	Distance	VCG Description					
01	Battery		6,66	-0,12	2 DE	70Ah			



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Sail Plan



SAILS INVENTORY

MAINSAIL

Id	HB	MGT	MGU	MGM	MGL	Area	Measurer	Meas.Date	Manufacture	Material	Comment
001	0,150	0,76	1,40	2,39	3,12	24,68	e488	09/08/2012		Unknown	

HEADSAILS

Id	JH	JGT	JGU	JGM	JGL	LPG	JL	Ovrlp	Area	Btn	Fly	Measurer	Meas.Date	Manufacture	Material	Comment
001	0,08	0,63	1,23	2,50	3,84	5,29	11,47	146%	29,47			825/744	26/03/2015	UK		Kevlar

SYMMETRIC SPINNAKERS

Id	SL	SMG	SF	Area	Measurer	Meas.Date	Manufacture	Material	Comment
001	11,90	6,56	6,65	65,23	e488	09/08/2012		Unknown	BLANCO
002	11,91	6,40	6,40	63,52	e488	09/08/2012		Unknown	AZUL

ASYMMETRIC SPINNAKERS

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