

BOAT Name Incognito Sail Nr ROU 82	GPH 601.2	HULL Length Overall 11.924m Maximum Beam 3.770m Displacement 7,144kg Draft 2.417m IMS Reg. Division Cruiser/Racer Dynamic Allowance 0.019% Fwd Accommodation Yes Hull Construction Solid Carbon Rudder Yes Crew Arm Extension
GENERAL Class First 40.7 Designer Farr Builder Beneteau Series 12/1997, CIN FR-BEY20482L900 Age 12/1999 Age Allowance 0.487% Offset File EFRST407.OFF - 06/09/2000 17:34:00 Measurement by Adrian Nita - 24/04/2015		IMSL 10.644m VCGD -0.189m Sink 22.24kg/mm RL 9.321m VCGM 0.052m WS 29.71m² LSMO 10.548m Displacement/Length ratio 6.0874



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SCORING OPTIONS	COASTAL / LONG DISTANCE			WINDWARD / LEEWARD		
	Low	Medium	High	Low	Medium	High
Time On Distance	584.9			653.7		
Time On Time	1.0258			1.0325		
Triple Number	Low	Medium	High	Low	Medium	High
Time on Distance	692.1	532.0	472.3	899.2	658.7	565.5
Time on Time	0.9753	1.2688	1.4291	0.7507	1.0247	1.1936

TIME ALLOWANCES							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	1007.2	838.5	738.4	691.7	670.2	657.6	647.4
52°	657.0	551.9	498.3	479.4	471.8	467.7	463.7
60°	618.3	523.3	482.9	466.1	458.6	454.3	450.0
75°	585.5	503.4	471.8	453.5	440.0	432.1	424.8
90°	584.8	501.5	469.6	450.6	433.6	417.8	399.1
110°	626.3	514.5	469.6	445.0	424.9	413.7	393.9
120°	645.4	528.4	476.3	450.7	427.2	404.4	379.3
135°	714.8	579.2	502.3	467.7	445.2	422.8	379.4
150°	846.2	670.4	566.3	500.9	468.8	447.5	406.2
Run VMG	977.1	774.1	653.6	573.2	519.5	480.6	437.5

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Number **007/17**
ORC Ref **ROU00076075**
Issued On **18/05/2017**
VPP Ver. **2017 1.00**
Valid until **31/12/2017**

Crew Weight

Declared **700kg**
Default* **743kg**
Non Manual Pwr **No**

Special Scoring

ToD ToT
Non Spin GPH **624.4 0.9609**
Non Spin OSN **608.1 0.9867**

Selected Courses							
Windward / Leeward	992.2	806.3	696.0	632.4	594.8	569.1	542.4
Circular Random	830.1	669.5	583.2	533.0	502.0	481.6	456.4
Ocean for PCS	1020.9	787.4	655.5	574.9	522.7	486.5	437.3
Non Spinnaker	871.0	698.9	605.3	550.0	515.6	492.8	463.9

Sails Limitations

Headsails	Spinnakers
6	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	43.4°	42.3°	41.9°	40.0°	39.3°	38.6°	38.3°
Beat VMG	3.57	4.29	4.88	5.20	5.37	5.47	5.56
52°	5.48	6.52	7.22	7.51	7.63	7.70	7.76
60°	5.82	6.88	7.46	7.72	7.85	7.92	8.00
75°	6.15	7.15	7.63	7.94	8.18	8.33	8.48
90°	6.16	7.18	7.67	7.99	8.30	8.62	9.02
110°	5.75	7.00	7.67	8.09	8.47	8.70	9.14
120°	5.58	6.81	7.56	7.99	8.43	8.90	9.49
135°	5.04	6.22	7.17	7.70	8.09	8.51	9.49
150°	4.25	5.37	6.36	7.19	7.68	8.04	8.86
Run VMG	3.68	4.65	5.51	6.28	6.93	7.49	8.23
Gybe Angles	144.7°	149.2°	150.9°	155.4°	170.4°	180.0°	180.0°

Class Division Length

CDL = **9.983**

Storm Sails Areas

Heavy Weather Jib **33.66**
Storm Jib (JL=10.26) **12.47**
Storm Triesail **13.32**

Owner

BOAT	
Name Incognito	Sail Nr ROU 82
File ROU82	Data in meters/kilograms

INCLINING TEST AND FREEBOARDS			
Inclining Test Current Inclining			
Flotation date 11/06/2014		SG 1.0000	
FFM 1.345	FF 1.355	SFFP 0.292	
FAM 1.112	FA 1.119	SAFP 11.313	
W1 99.7	PD1 572.9	WD 12.130	
W2 99.7	PD2 572.7	GSA 1.0	
W3 99.7	PD3 552.0	RSA 1.0	
W4 99.7	PD4 546.9	PLM 9000.0	
LCF from stem on CL / on sheer		6.495 / 6.730	
Maximum beam station from stem		7.502	
RM Measured		169.8kg-m	
RM Default		179.8kg-m	
Limit of positive stability / Stab.Index		117.3° / 119.9	
Freeboard at mast at 4.390		1.217	

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 Yes	Main Furler No		
Lenticular Rigging No	Without Backstay No		
Articulated Bowsprit No			
P 14.500	E 5.250	MDT1 0.117	MW 0.214
IG 15.690	J 4.390	MDL1 0.215	GO 0.242
ISP 15.790	SFJ	MDT2 0.117	BD 0.191
BAS 1.676	SPL 4.410	MDL2 0.180	MWT 208.00
FSP 0.076	TPS	TL 0.700	MCG 5.450

MIZZEN RIG AND SAILS	
N/A	

PROPELLER			
Installation Strut	PRD 0.455		
Type Folding 2 blades	PBW 0.115		
Twin Screw No	PIPA 0.0028		
ST1 0.045	ST3 0.171	ST5 0.290	
ST2 0.170	ST4 0.092	EDL 2.224	


COMMENTS	

MOVEABLE BALLAST	
N/A	

CENTERBOARD	
N/A	

SAILS (Maximum Areas)									
Mainsail	MHB	MUW	MTW	MHW	MQW	Area	Area (r)	Formula	
	0.300	1.20	2.03	3.38	4.45	45.87	46.91	P/8 · (E + 2·MQW+ 2·MHW + 1.5·MTW + MUW + 0.5·MHB)	
Symmetric	SLU	SLE	SL	SHW	SFL				
	15.70	15.70	15.70	8.10	7.90	105.45		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
0.09	0.80	1.53	3.05	4.61	6.24	15.70	48.53			21/04/2017	Carbon	
0.10	0.72	1.36	2.75	4.22	5.78	15.70	44.34	N	N	27/05/2015	Carbon	
0.07	0.59	1.15	2.28	3.45	4.56	15.38	35.30	N	N		Unknow	



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IMS Measurement Certificate

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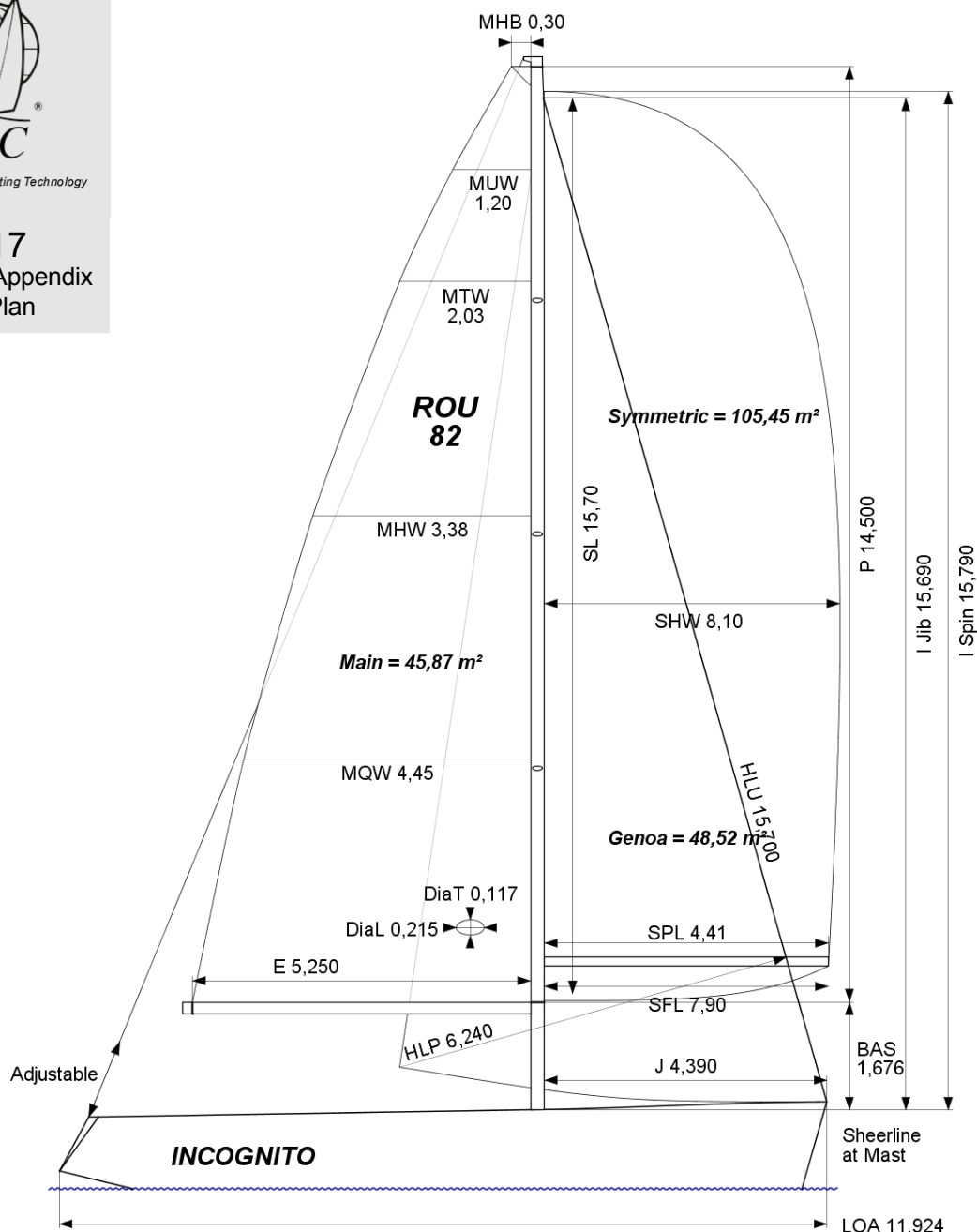


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Sail Plan



SAILS INVENTORY

MAINSAIL (1)

Id	MHB	MUW	MTW	MHW	MQW	Area	Measurer	Meas.Date	Manufacture	Material	Comment
OM1	0.300	1.20	2.03	3.38	4.45	45.87	Mangold	21/04/2017	One	Carbon	

HEADSAILS (3)

Id	HHB	HUW	HTW	HHW	HQW	HLP	HLU	Ovrlp	Area	Btn	Fly	Measurer	Meas.Date	Manufacture	Material	Comment
OH1	0.09	0.80	1.53	3.05	4.61	6.24	15.70	142%	48.53			Mangold	21/04/2017	One	Carbon	
H3	0.10	0.72	1.36	2.75	4.22	5.78	15.70	132%	44.34	N	N	Adrian	27/05/2015	Dustom	Carbon	
H1	0.07	0.59	1.15	2.28	3.45	4.56	15.38	104%	35.30	N	N				Unknow	

SYMMETRIC SPINNAKERS (3)

Id	SLU	SLE	SL	SHW	SFL	Area	Measurer	Meas.Date	Manufacture	Material	Comment
OS1	15.70	15.70	15.70	8.10	7.90	105.45	Mangold	21/04/2017	One	Nylon	
S10	15.40	15.40	15.40	7.96	7.84	101.85				Nylon	
S7	15.46	15.46	15.46	7.82	7.48	99.87				Nylon	

ASYMMETRIC SPINNAKERS (0)

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