

BOAT
Name Dream Sail Nr ROU 16070

GPH
642.5

HULL	
Length Overall	9.982m
Maximum Beam	3.372m
Displacement	4,689kg
Draft	2.005m
IMS Reg. Division	Cruiser/Racer
Dynamic Allowance	0.164%
Fwd Accommodation	No
Hull Construction	Solid
Carbon Rudder	No
Crew Arm Extension	
IMSL	9.130m VCGD -0.112m Sink 16.55kg/mm
RL	8.141m VCGM -0.102m WS 22.37m²
LSM0	8.989m Displacement/Length ratio 6.4557



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2017
ORC International
Certificate

GENERAL
Class First 34.7
Designer Farr
Builder Beneteau
Series 10/2005
Age 11/2008
Age Allowance 0.390%
Offset File I16070.OFF - 03/02/2016 22:15:54
Measurement by BASILE-ROGGIO - 24/04/2013

Rating Office

Offshore
Racing
Congress



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SCORING OPTIONS	COASTAL / LONG DISTANCE			WINDWARD / LEEWARD		
Time On Distance	624.8			700.2		
Time On Time	0.9602			0.9639		
Triple Number	Low	Medium	High	Low	Medium	High
Time on Distance	735.4	569.5	508.0	951.8	705.6	612.7
Time on Time	0.9179	1.1853	1.3288	0.7092	0.9567	1.1016

TIME ALLOWANCES							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	1096.9	911.1	803.7	740.1	714.0	701.2	695.0
52°	716.7	601.6	542.1	516.7	505.9	500.8	497.1
60°	674.7	569.8	525.1	504.0	491.7	485.7	481.0
75°	640.4	548.0	513.1	492.8	475.8	462.3	450.9
90°	641.8	540.9	501.2	484.7	472.7	455.3	426.9
110°	644.3	537.0	498.5	472.2	447.2	433.3	412.7
120°	664.6	550.0	505.2	478.9	452.5	426.8	393.6
135°	736.7	599.5	527.9	496.6	472.1	447.0	399.9
150°	866.6	691.4	588.3	533.7	506.7	488.0	448.9
Run VMG	1000.6	798.3	679.4	616.3	574.6	529.1	483.5

Certificate
Number 020/17 ORC Ref ROU00076982 Issued On 07/07/2017 VPP Ver. 2017 1.00 Valid until 31/12/2017

Selected Courses							
Windward / Leeward	1048.7	854.7	741.5	678.2	644.3	615.1	589.3
Circular Random	883.6	714.0	623.4	571.0	538.8	517.6	491.0
Ocean for PCS	1081.4	837.1	699.5	615.2	560.3	521.7	467.7
Non Spinnaker	947.3	758.0	654.8	593.7	555.8	531.2	501.3

Crew Weight
Declared 600kg Default* 591kg Non Manual Pwr No

Special Scoring
ToD ToT Non Spin GPH 675.9 0.8877 Non Spin OSN 654.7 0.9164

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	43.1°	41.7°	41.8°	40.0°	38.9°	38.3°	38.1°
Beat VMG	3.28	3.95	4.48	4.86	5.04	5.13	5.18
52°	5.02	5.98	6.64	6.97	7.12	7.19	7.24
60°	5.34	6.32	6.86	7.14	7.32	7.41	7.48
75°	5.62	6.57	7.02	7.31	7.57	7.79	7.98
90°	5.61	6.66	7.18	7.43	7.62	7.91	8.43
110°	5.59	6.70	7.22	7.62	8.05	8.31	8.72
120°	5.42	6.55	7.13	7.52	7.96	8.44	9.15
135°	4.89	6.01	6.82	7.25	7.63	8.05	9.00
150°	4.15	5.21	6.12	6.75	7.10	7.38	8.02
Run VMG	3.60	4.51	5.30	5.84	6.27	6.80	7.45
Gybe Angles	145.3°	148.1°	148.1°	149.8°	174.3°	177.0°	178.1°

Sails Limitations
Headsails 5 Spinnakers 3

Class Division Length
CDL = 8.636

Storm Sails Areas
Heavy Weather Jib 23.89 Storm Jib (JL=8.65) 8.85 Storm Trysail 9.68

Owner

BOAT	
Name Dream	Sail Nr ROU 16070
File ROU16070	Data in meters/kilograms

INCLINING TEST AND FREEBOARDS					
Inclining Test Current Inclining					
Flotation date 22/12/2008				SG 1.0270	
FFM	1.295	FF	1.295	SFFP	0.172
FAM	1.035	FA	1.038	SAFP	9.530
W1	65.4	PD1	549.6	WD	11.330
W2	65.4	PD2	560.5	GSA	1.0
W3	65.4	PD3	553.4	RSA	1.0
W4	65.4	PD4	566.3	PLM	9000.0
LCF from stem on CL / on sheer				5.397 / 5.631	
Maximum beam station from stem				6.642	
RM Measured				104.7kg·m	
RM Default				100.2kg·m	
Limit of positive stability / Stab.Index				127.9° / 127.7	
Freeboard at mast at 3.670				1.159	

RIG					
Forestay Tension	Aft	Spreaders	2		
Inner Stay	None Fitted	Runners	0		
Carbon Mast	Yes	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	12.740	E	4.340	MDT1	0.107
IG	13.175	J	3.670	MDL1	0.174
ISP	13.750	SFJ	0.000	MDT2	0.104
BAS	1.550	SPL	0.000	MDL2	0.142
FSP	0.068	TPS	4.990	MWT	0.134
		TL	1.000	MCG	



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IMS Measurement Certificate

MIZZEN RIG AND SAILS	
N/A	

PROPELLER		
Installation	Strut	PRD 0.410
Type	Folding 2 blades	PBW
Twin Screw	No	PIPA 0.0033
ST1	0.042	ST3 0.180
ST2	0.180	ST4 0.112
		ST5 0.280
		EDL 2.506

Certificate	
Number	020/17
ORC Ref	ROU00076982
Issued On	07/07/2017
VPP Ver.	2017 1.00
Valid until	31/12/2017

COMMENTS	

MOVEABLE BALLAST	
N/A	

CENTERBOARD	
N/A	



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SAILS (Maximum Areas)									
Mainsail	MHB	MUW	MTW	MHW	MQW	Area	Area (r)	Formula	
	0.200	1.03	1.73	2.78	3.58	33.10	33.78	P/8 · (E + 2·MQW + 2·MHW + 1.5·MTW + MUW + 0.5·MHB)	
Symmetric Not Available									
Asymmetric	SLU	SLE	SL	SHW	SFL	84.52		AS · (SFL + 4·SHW) / 6	
	15.12	12.92	14.02	7.22	7.29				

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
0.05	0.65	1.22	2.40	3.60	4.83	12.60	30.45	N	N	11/04/2012	Carbon	
0.06	0.58	1.12	2.28	3.50	4.83	12.54	29.39	N	N	11/04/2012	Carbon	

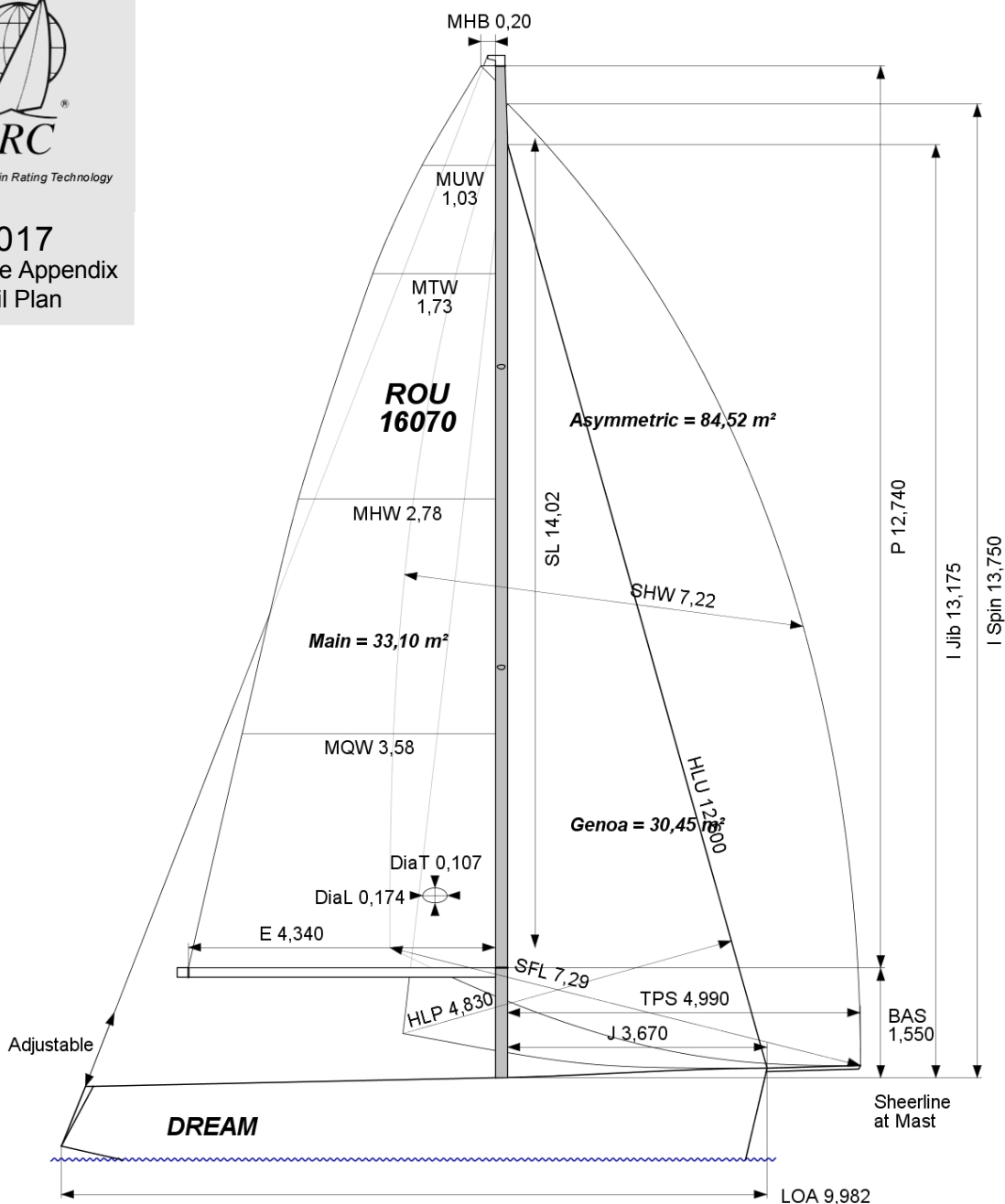
MEASUREMENT INVENTORY				
Measurer				
Date				
Comment				
Id	Item	Weight	Distance	VCG Description
SaS	Tools	29.0	6.05	0.00 Sailor-Services
Id	Item	Weight Description		

MEASUREMENT INVENTORY				
Id	Item	Weight	Distance	VCG Description



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Certificate Appendix
Sail Plan



SAILS INVENTORY

MAINSAIL (1)

Id	MHB	MUW	MTW	MHW	MQW	Area	Measurer	Meas.Date	Manufacture	Material	Comment
B	0.200	1.03	1.73	2.78	3.58	33.10	ROGGIO	11/04/2012	ONE SAILS	Carbon	Rimisurata per

HEADSAILS (2)

Id	HHB	HUW	HTW	HHW	HQW	HLP	HLU	Ovrlp	Area	Btn	Fly	Measurer	Meas.Date	Manufacture	Material	Comment
C	0.05	0.65	1.22	2.40	3.60	4.83	12.60	132%	30.45	N	N	ROGGIO	11/04/2012	ONE SAILS	Carbon	
D	0.06	0.58	1.12	2.28	3.50	4.83	12.54	132%	29.39	N	N	ROGGIO	11/04/2012	ONE SAILS	Carbon	

SYMMETRIC SPINNAKERS (0)

Id	SLU	SLE	SL	SHW	SFL	Area	Measurer	Meas.Date	Manufacture	Material	Comment
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ASYMMETRIC SPINNAKERS (3)

Id	SLU	SLE	SL	SHW	SFL	Area	Kind	Measurer	Meas.Date	Manufacture	Material	Comment
AS	15.12	12.92	14.02	7.22	7.29	84.52	asym	a.pana.it	04/07/2017	Doyle	Nylon	
A	14.40	12.35	13.38	6.85	7.50	77.80	asym				Unknown	
B	14.40	12.25	13.32	6.87	7.45	77.57	asym				Unknown	