

BOAT Name Dream Sail Nr ROU-16070	GPH 636.0	HULL Length Overall 9.982m Maximum Beam 3.372m Displacement 4,689kg Draft 2.005m IMS Reg. Division Cruiser/Racer Dynamic Allowance 0.161% Fwd Accommodation No Hull Construction Solid Carbon Rudder No Crew Arm Extension
GENERAL Class First 34.7 Designer Farr Builder Beneteau Series 10/2005 Age 11/2008 Age Allowance 0.455% Offset File I16070.OFF - 03/02/2016 22:15:54 Measurement by - 24/04/2013		IMSL 9.130m VCGD -0.112m Sink 16.55kg/mm RL 8.492m VCGM -0.102m WS 22.37m² LSM0 8.989m Displacement/Length ratio 6.4557



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SCORING OPTIONS						
	COASTAL / LONG DISTANCE			WINDWARD / LEEWARD		
Time on Distance	618.5			691.6		
Time on Time	0.9701			0.9760		
Triple Number	Low	Medium	High	Low	Medium	High
Time on Distance	724.6	564.4	507.4	934.5	694.7	610.2
Time on Time	0.9316	1.1960	1.3302	0.7223	0.9716	1.1062

TIME ALLOWANCES							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	1071.3	890.3	780.9	724.6	704.7	696.4	696.2
52°	701.0	592.1	538.7	516.2	506.1	502.0	500.0
60°	662.9	565.6	525.1	505.3	493.8	488.3	484.9
75°	636.4	548.1	515.0	495.8	480.3	468.0	456.9
90°	639.2	539.6	502.5	484.3	475.0	459.2	433.0
110°	635.5	532.9	496.6	471.0	447.2	430.8	411.6
120°	655.0	544.4	502.4	475.9	449.7	425.4	388.9
135°	726.8	591.6	524.4	493.9	468.8	443.4	396.6
150°	854.8	683.8	582.5	530.3	504.7	486.0	446.7
Run VMG	987.0	789.6	672.6	612.3	572.7	527.9	482.4

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Number **041/19**
ORC Ref **ROU10025719**
Issued On **13/06/2019**
VPP Ver. **2019 1.01**
Valid until **31/12/2019**

Crew Weight

Default **591kg**
Maximum **700kg**
Minimum* **525kg**
**when applied by the NoR and SI*
Non Manual Pwr **No**

Special Scoring

	ToD	ToT
Double H.GPH	645.6	0.9293
Double H.OSN	629.6	0.9529
Non Spin GPH	671.8	0.8931
Non Spin OSN	650.4	0.9225

Selected Courses							
Windward / Leeward	1029.2	839.9	726.7	668.5	638.7	612.1	589.3
Circular Random	871.2	705.3	617.2	566.8	536.2	516.4	491.8
Coastal / Long Distance	1024.9	788.6	656.9	584.4	548.0	516.6	467.6
Non Spinnaker	939.5	752.4	650.8	591.1	554.5	531.1	503.2

Sails Limitations

Headsails	Spinnakers
5	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	42.5°	41.1°	40.6°	38.5°	38.1°	37.6°	38.1°
Beat VMG	3.36	4.04	4.61	4.97	5.11	5.17	5.17
52°	5.14	6.08	6.68	6.97	7.11	7.17	7.20
60°	5.43	6.37	6.86	7.12	7.29	7.37	7.42
75°	5.66	6.57	6.99	7.26	7.50	7.69	7.88
90°	5.63	6.67	7.16	7.43	7.58	7.84	8.31
110°	5.67	6.76	7.25	7.64	8.05	8.36	8.75
120°	5.50	6.61	7.17	7.57	8.01	8.46	9.26
135°	4.95	6.08	6.86	7.29	7.68	8.12	9.08
150°	4.21	5.26	6.18	6.79	7.13	7.41	8.06
Run VMG	3.65	4.56	5.35	5.88	6.29	6.82	7.46
Gybe Angles	145.0°	148.1°	148.3°	150.0°	174.6°	177.1°	178.1°

Class Division Length

CDL = **8.812**

Storm Sails Areas

Heavy Weather Jib **24.16**
Storm Jib (JL=8.70) **8.95**
Storm Trysail **9.68**

Owner

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

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 MW 0.160
IG 13.230	J 3.670 MDL1 0.160 GO 0.200
ISP 13.750	SFJ 0.000 MDT2 0.104 BD 0.134
BAS 1.540	SPL 0.142 MWT
FSP 0.068	TPS 4.990 TL 1.000 MCG

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	



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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	ST5 0.280	
ST2 0.180	ST4 0.112	EDL 2.506	

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COMMENTS	

MOVABLE 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 on centerline	SLU	SLE	SL	SHW	SFL	Area	AS · (SFL + 4·SHW) / 6		
	15.12	12.92	14.02	7.22	7.29	84.52			

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	30.46	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	
0.13	0.57	1.05	1.93	2.79	3.74	12.80	24.56	Y		10/05/2019	Carbon	

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

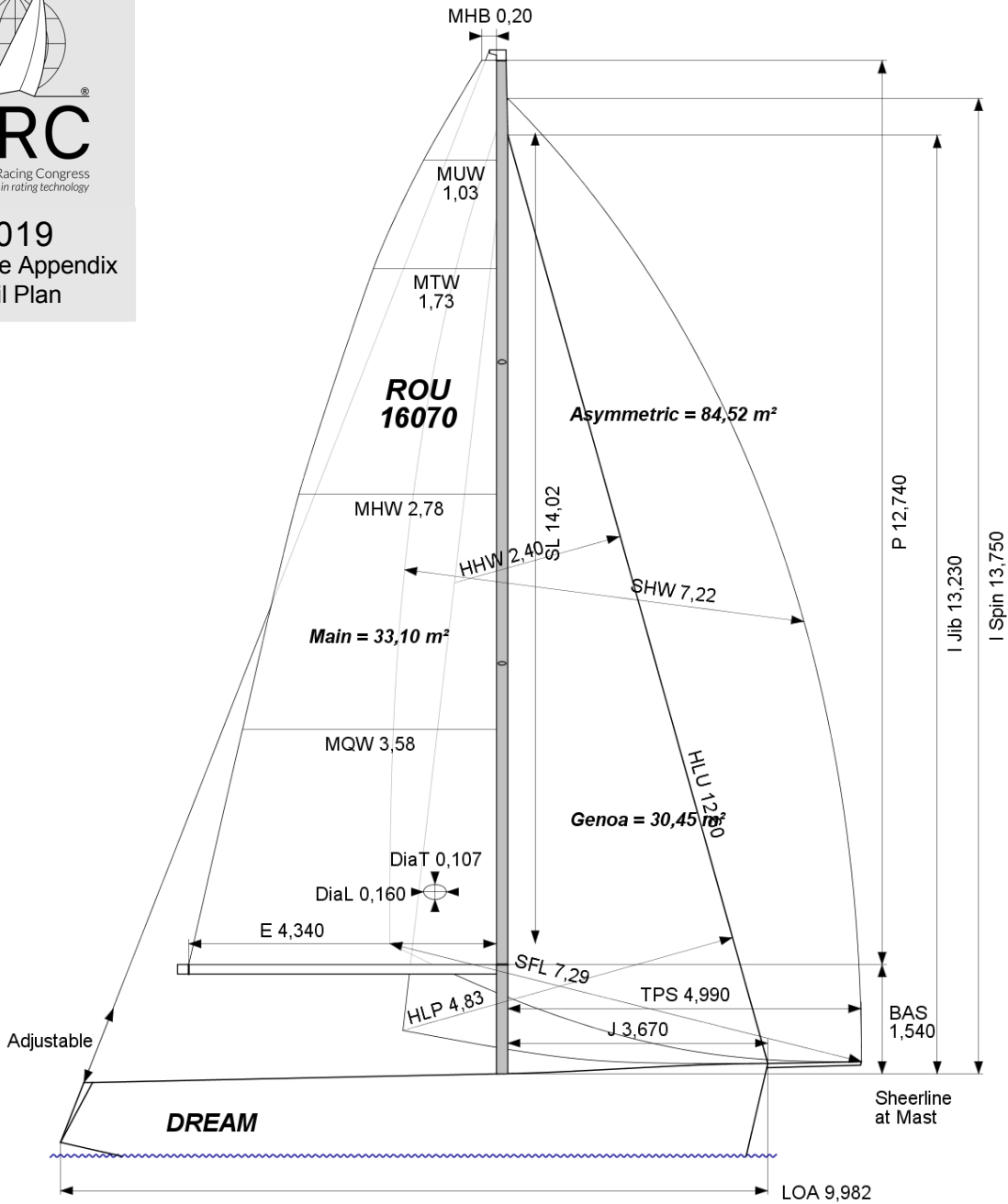
MEASUREMENT INVENTORY				
<i>Id</i>	<i>Item</i>	<i>Weight</i>	<i>Distance</i>	<i>VCG Description</i>



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Sail Plan



SAILS INVENTORY

MAINSAIL (3)																
Id	MHB	MUW	MTW	MHW	MQW	Area	Measurer	Meas.Date	Manufacture	Material	Comment					
B	0.20	1.03	1.73	2.78	3.58	33.11		11/04/2012	ONE SAILS	Carbon	Rimisurata per					
m	0.17	0.83	1.52	2.63	3.59	31.82		10/05/2019	quantum	Carbon						
HEADSAILS (3)																
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%	30.46	N	N		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		11/04/2012	ONE SAILS	Carbon	
j	0.13	0.57	1.05	1.93	2.79	3.74	12.80	102%	24.56	Y			10/05/2019	quantum	Carbon	
SYMMETRIC SPINNAKERS (0)																
Id	SLU	SLE	SL	SHW	SFL	Area	Measurer	Meas.Date	Manufacture	Material	Comment					
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		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	77.58	asym				Unknown					