

BOAT Name Life Sail Nr ROU 25	GPH 649.6	HULL Length Overall 9.982m Maximum Beam 3.372m Displacement 4,590kg Draft 2.001m IMS Reg. Division Cruiser/Racer Dynamic Allowance 0.226% 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 06/2009 Age Allowance 0.390% Offset File F235.OFF - 29/07/2006 14:11:52 Measurement by A.Panait - 11/05/2013		IMSL 9.079m VCGD 0.004m Sink 16.30kg/mm RL 7.778m VCGM 0.019m WS 22.04m² LSMO 8.955m Displacement/Length ratio 6.3917



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SCORING OPTIONS	COASTAL / LONG DISTANCE			WINDWARD / LEEWARD		
	Low	Medium	High	Low	Medium	High
Time On Distance	630.9			708.4		
Time On Time	0.9510			0.9529		
Triple Number	Low	Medium	High	Low	Medium	High
Time on Distance	747.4	574.7	510.3	968.7	714.6	617.2
Time on Time	0.9031	1.1746	1.3227	0.6968	0.9446	1.0936

TIME ALLOWANCES	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	1140.9	942.3	831.2	757.2	724.4	709.9	700.3
52°	743.3	621.4	554.7	523.4	508.9	503.2	499.7
60°	699.2	586.8	534.2	509.8	495.2	487.8	483.0
75°	663.7	561.5	519.7	498.7	481.3	466.2	452.4
90°	651.1	542.0	501.5	486.1	476.2	461.6	430.5
110°	643.5	535.8	497.3	470.2	446.4	433.8	413.5
120°	663.0	547.6	503.7	476.7	449.5	423.6	393.5
135°	734.5	596.2	525.3	494.5	469.4	443.9	395.8
150°	862.8	688.7	585.1	531.3	505.5	486.9	446.7
Run VMG	996.3	795.3	675.6	613.5	576.4	530.3	484.2

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ORC Ref **ROU00076182**
Issued On **24/05/2017**
VPP Ver. **2017 1.00**
Valid until **31/12/2017**

Crew Weight

Declared **725kg**
Default* **588kg**
Non Manual Pwr **No**

Special Scoring

ToD ToT
Non Spin GPH **691.2 0.8681**
Non Spin OSN **667.4 0.8990**

Selected Courses	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Windward / Leeward	1068.6	868.8	753.4	685.3	650.4	620.1	592.3
Circular Random	897.3	723.4	630.1	575.8	542.4	520.3	492.4
Ocean for PCS	1097.5	848.1	707.1	620.6	564.1	524.4	469.2
Non Spinnaker	975.8	778.0	669.2	604.4	563.9	537.6	505.8

Sails Limitations

Headsails	Spinnakers
5	3

Velocity Prediction in Knots for True Wind Speeds	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat Angles	43.3°	41.9°	41.8°	40.5°	39.5°	38.9°	38.5°
Beat VMG	3.16	3.82	4.33	4.75	4.97	5.07	5.14
52°	4.84	5.79	6.49	6.88	7.07	7.15	7.20
60°	5.15	6.14	6.74	7.06	7.27	7.38	7.45
75°	5.42	6.41	6.93	7.22	7.48	7.72	7.96
90°	5.53	6.64	7.18	7.41	7.56	7.80	8.36
110°	5.59	6.72	7.24	7.66	8.06	8.30	8.71
120°	5.43	6.57	7.15	7.55	8.01	8.50	9.15
135°	4.90	6.04	6.85	7.28	7.67	8.11	9.09
150°	4.17	5.23	6.15	6.78	7.12	7.39	8.06
Run VMG	3.61	4.53	5.33	5.87	6.25	6.79	7.43
Gybe Angles	145.4°	148.0°	147.9°	149.8°	173.8°	176.6°	177.9°

Class Division Length

CDL = **8.429**

Storm Sails Areas

Heavy Weather Jib **23.45**
Storm Jib (JL=8.57) **8.69**
Storm Trysail **9.46**

Owner

BOAT	
Name Life	Sail Nr ROU 25
File ROU25	Data in meters/kilograms

INCLINING TEST AND FREEBOARDS			
Inclining Test Current Inclining		SG 1.0254	
Flotation date 22/05/2017			
FFM 1.276	FF 1.276	SFFP 0.172	
FAM 1.064	FA 1.064	SAFP 9.530	
W1 61.8	PD1 558.4	WD 10.640	
W2 61.8	PD2 566.6	GSA 1.0	
W3 61.8	PD3 567.9	RSA 1.0	
W4 61.8	PD4 562.3	PLM 9000.0	
LCF from stem on CL / on sheer		5.338 / 5.572	
Maximum beam station from stem		6.642	
RM Measured		91.8kg·m	
RM Default		96.4kg·m	
Limit of positive stability / Stab.Index		122.4° / 121.8	
Freeboard at mast at 3.700		1.156	

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 12.440	E 4.345	MDT1 0.110	MW 0.164
IG 13.038	J 3.700	MDL1 0.164	GO 0.204
ISP 13.678	SFJ 0.000	MDT2 0.110	BD 0.135
BAS 1.510	SPL 	MDL2 0.124	MWT
FSP 0.068	TPS 5.223	TL 0.800	MCG


MIZZEN RIG AND SAILS	
N/A	

PROPELLER			
Installation Strut	PRD 0.400		
Type Folding 2 blades	PBW		
Twin Screw No	PIPA 0.0030		
ST1 0.042	ST3 0.180	ST5 0.180	
ST2 0.180	ST4 0.112	EDL 1.780	

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	
	0.170	0.84	1.51	2.64	3.61	31.15	31.65	P/8 · (E + 2·MQW + 2·MHW + 1.5·MTW + MUW + 0.5·MHB)	
Symmetric Not Available									
Asymmetric	SLU	SLE	SL	SHW	SFL	Area	Formula		
	14.95	13.15	14.05	7.88	8.00	92.54	AS · (SFL + 4·SHW) / 6		

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
0.10	0.58	1.09	2.10	3.05	3.92	12.82	26.29	Y		12/05/2017	Carbon	
0.07	0.48	0.93	1.86	2.83	3.79	12.56	23.69			29/05/2016	Kevlar	

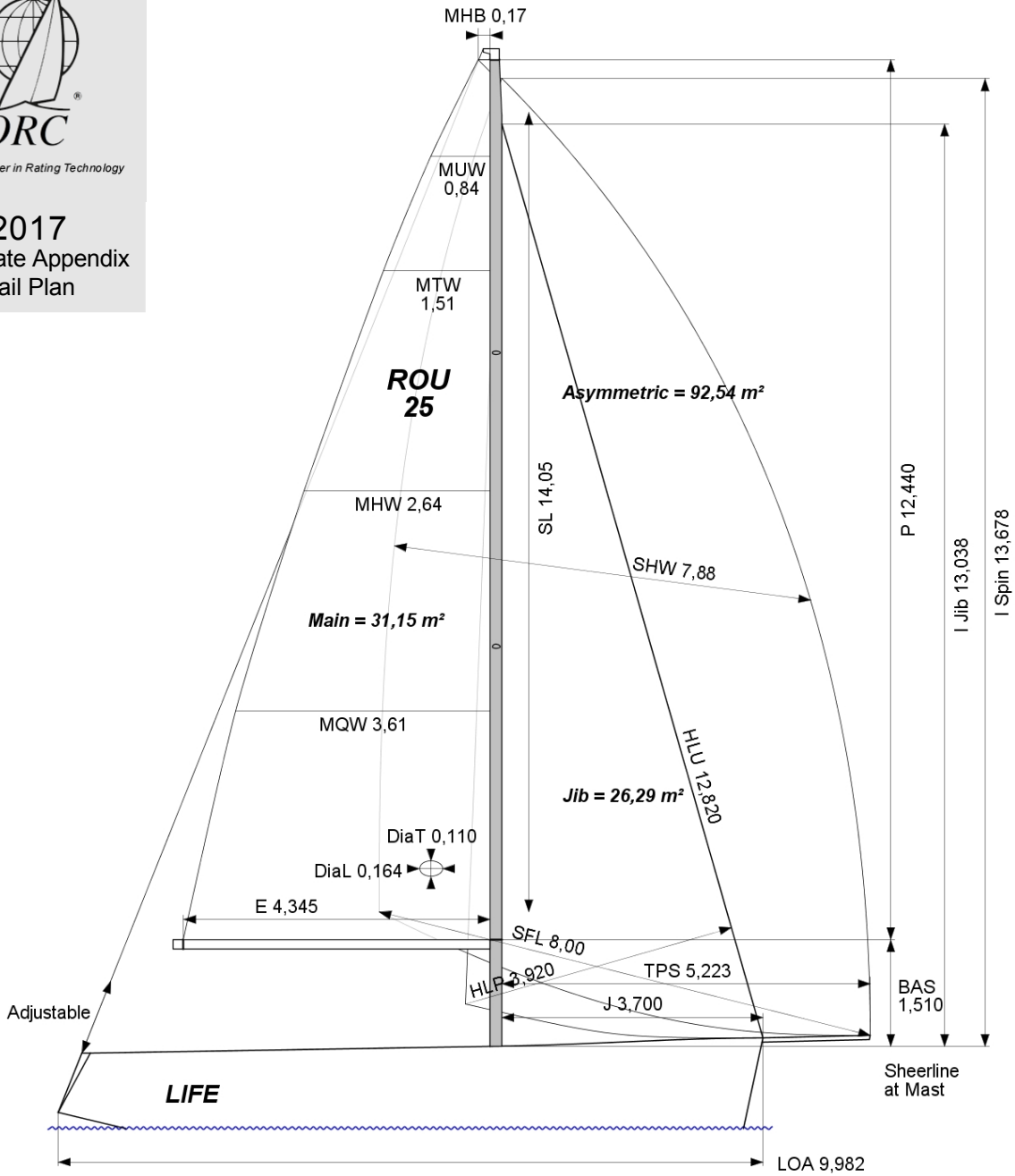
MEASUREMENT INVENTORY				
Measurer APANAT ROU				
Date 22/05/2017				
Comment				
<i>Id</i>	<i>Item</i>	<i>Weight</i>	<i>Distance</i>	<i>VCG Description</i>
<i>Id</i>	<i>Item</i>	<i>Maker</i>	<i>Model</i>	
e	Engine	Yanmar	3ym20	
<i>Id</i>	<i>Item</i>	<i>Weight Description</i>		

MEASUREMENT INVENTORY							
<i>Id</i>	<i>Item</i>	<i>Tank Use</i>	<i>Tank Type</i>	<i>Capcty</i>	<i>Dist.</i>	<i>VCG</i>	<i>Condtn Description</i>
d	Tank	diesel	plastic	80.0	7.20		
f1	Tank	fresh water	plastic	120.0	3.96		
<i>Id</i>	<i>Item</i>	<i>Weight</i>	<i>Distance</i>	<i>VCG Description</i>			
b1	Battery	45.0	3.96				
bb	Misc	30.0	7.20				



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Sail Plan



SAILS INVENTORY

MANSAIL (2)

Id	MHB	MUW	MTW	MHW	MQW	Area	Measurer	Meas.Date	Manufacture	Material	Comment
msh	0.170	0.84	1.51	2.64	3.61	31.15	a.panait	29/05/2016	quantum	Dacron	
msg	0.170	0.85	1.51	2.65	3.59	31.14	a.panait	29/05/2016	quantum	Kev lar	

HEADSAILS (2)

Id	HHB	HUW	HTW	HHW	HQW	HLP	HLU	Ovrlp	Area	Btn	Fly	Measurer	Meas.Date	Manufacture	Material	Comment
J2.5	0.10	0.58	1.09	2.10	3.05	3.92	12.82	106%	26.29	Y		a.panait	12/05/2017	One	Carbon	
j3	0.07	0.48	0.93	1.86	2.83	3.79	12.56	102%	23.69			a.panait	29/05/2016	quantum	Kev lar	

SYMMETRIC SPINNAKERS (0)

Id	SLU	SLE	SL	SHW	SFL	Area	Measurer	Meas.Date	Manufacture	Material	Comment
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ASYMMETRIC SPINNAKERS (2)

Id	SLU	SLE	SL	SHW	SFL	Area	Kind	Measurer	Meas.Date	Manufacture	Material	Comment
A2	14.95	13.15	14.05	7.88	8.00	92.54	asym	a.panait	29/05/2016	quantum	Nylon	blue
A3	14.41	12.56	13.48	6.97	7.47	79.45	asym	a.panait	29/05/2016	quantum	Nylon	black