

BOAT Name PLATU 25 Sail Nr	GPH 664.8	HULL Length Overall 7.512m Maximum Beam 2.564m Displacement 1.239kg Draft 1.569m IMS Reg. Division Sportboat Dynamic Allowance 0.000% Fwd Accommodation No Hull Construction Cored Carbon Rudder No Crew Arm Extension 0.50
GENERAL Class PLATU 25 OD Designer FARR Builder BENETEAU Series 01/1997 Age 01/1997 Age Allowance 0.487% Offset File PLATU25.Od - 18/01/2018 18:38:43 Measurement by SCHIANO - 27/10/1997		IMSL 7.005m VCGD -0.036m Sink 7.63kg/mm RL 7.313m VCGM -0.051m WS 10.34m² LSM0 6.677m Displacement/Length ratio 4.1622



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2018 (Test)
ORC International
One Design Certificate

Rating Office

SCORING OPTIONS						
Time on Distance	COASTAL / LONG DISTANCE			WINDWARD / LEEWARD		
	646.0			721.9		
Time on Time	0.9288			0.9350		
Triple Number	Low	Medium	High	Low	Medium	High
Time on Distance	746.1	595.1	527.9	952.0	722.0	644.0
Time on Time	0.9047	1.1342	1.2787	0.7090	0.9349	1.0482

TIME ALLOWANCES							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	1086.5	900.7	806.3	780.8	774.1	771.1	770.2
52°	722.2	618.5	581.9	567.4	561.6	559.1	550.7
60°	687.0	602.8	569.8	550.1	540.6	535.7	524.3
75°	662.0	592.6	560.0	528.0	506.6	495.6	487.6
90°	656.2	577.8	545.5	523.6	492.1	465.3	439.1
110°	651.0	573.4	526.1	485.5	459.6	438.2	403.6
120°	668.2	581.5	535.9	487.7	443.6	412.6	371.8
135°	736.9	611.6	564.2	521.6	477.5	432.4	336.5
150°	877.3	699.6	604.7	560.7	521.2	481.3	399.4
Run VMG	1013.0	807.9	690.6	618.1	571.5	535.0	461.2

Certificate Number PLAT25 ORC Ref N/A Issued On 18/01/2018 VPP Ver. 2018 1.00 Invalid for Racing

Crew Weight Default 387kg Maximum 400kg Minimum* 300kg <i>*when applied by the NoR and SI</i> Non Manual Pwr No

Special Scoring ToD ToT Double H.GPH 688.7 0.8712 Double H.OSN 676.7 0.8866 Non Spin GPH 703.0 0.8535 Non Spin OSN 681.4 0.8806

Selected Courses							
Windward / Leeward	1049.8	854.3	748.5	699.5	672.8	653.0	615.7
Circular Random	900.6	734.4	646.5	595.1	562.0	538.2	502.5
Coastal / Long Distance	1046.1	806.5	684.1	619.1	576.9	539.4	474.9
Non Spinnaker	967.2	781.5	682.3	624.4	587.8	562.3	525.5

Sails Limitations Headsails 5 Spinnakers 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	41.7°	40.8°	37.6°	36.6°	36.5°	36.5°	37.2°
Beat VMG	3.31	4.00	4.46	4.61	4.65	4.67	4.67
52°	4.99	5.82	6.19	6.34	6.41	6.44	6.54
60°	5.24	5.97	6.32	6.54	6.66	6.72	6.87
75°	5.44	6.08	6.43	6.82	7.11	7.26	7.38
90°	5.49	6.23	6.60	6.88	7.32	7.74	8.20
110°	5.53	6.28	6.84	7.41	7.83	8.22	8.92
120°	5.39	6.19	6.72	7.38	8.12	8.73	9.68
135°	4.89	5.89	6.38	6.90	7.54	8.33	10.70
150°	4.10	5.15	5.95	6.42	6.91	7.48	9.01
Run VMG	3.55	4.46	5.21	5.82	6.30	6.73	7.81
Gybe Angles	145.6°	149.2°	155.8°	173.9°	180.0°	180.0°	137.4°

Class Division Length CDL = 7.160
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Storm Sails Areas Heavy Weather Jib 11.44 Storm Jib (JL=5.98) 4.24 Storm Triesail 6.01

Owner I certify that I understand my responsibilities under ORC Rules and Regulations Signature
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BOAT	
Name PLATU 25	Sail Nr
File platu25	Data in meters/kilograms

INCLINING TEST AND FREEBOARDS					
Inclining Test			Current Inclining		
Flotation date 27/10/2013			SG 1.0250		
FFM	0.908	FF	0.908	SFFP	0.120
FAM	0.689	FA	0.689	SAFP	7.313
W1	4.0	PD1	76.0	WD	7.900
W2	8.0	PD2	156.0	GSA	19.6
W3	12.0	PD3	231.0	RSA	6079.4
W4	16.0	PD4	311.0	PLM	2510.0
LCF from stem on CL / on sheer				4.179 / 4.350	
Maximum beam station from stem				4.700	
RM Measured				17.8kg-m	
RM Default				22.8kg-m	
Limit of positive stability / Stab.Index				118.5° / 110.5	
Freeboard at mast at 2.620				0.825	

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	9.405	E	3.650	MDT1	0.082
IG	9.171	J	2.620	MDL1	0.121
ISP	9.681	SFJ	0.000	MDT2	0.062
BAS	1.181	SPL	3.300	MDL2	0.078
FSP		TPS		TL	2.340
				MW	0.121
				GO	0.131
				BD	0.120
				MWT	35.50
				MCG	4.200



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2018
IMS Measurement
Certificate

Certificate	
Number	PLAT25
ORC Ref	N/A
Issued On	18/01/2018
VPP Ver.	2018 1.00
Invalid for Racing	

MIZZEN RIG AND SAILS	
N/A	

PROPELLER	
Type No Propeller	

COMMENTS	
BASED ON CLASS RULES	

MOVABLE BALLAST	
N/A	

CENTERBOARD	
N/A	

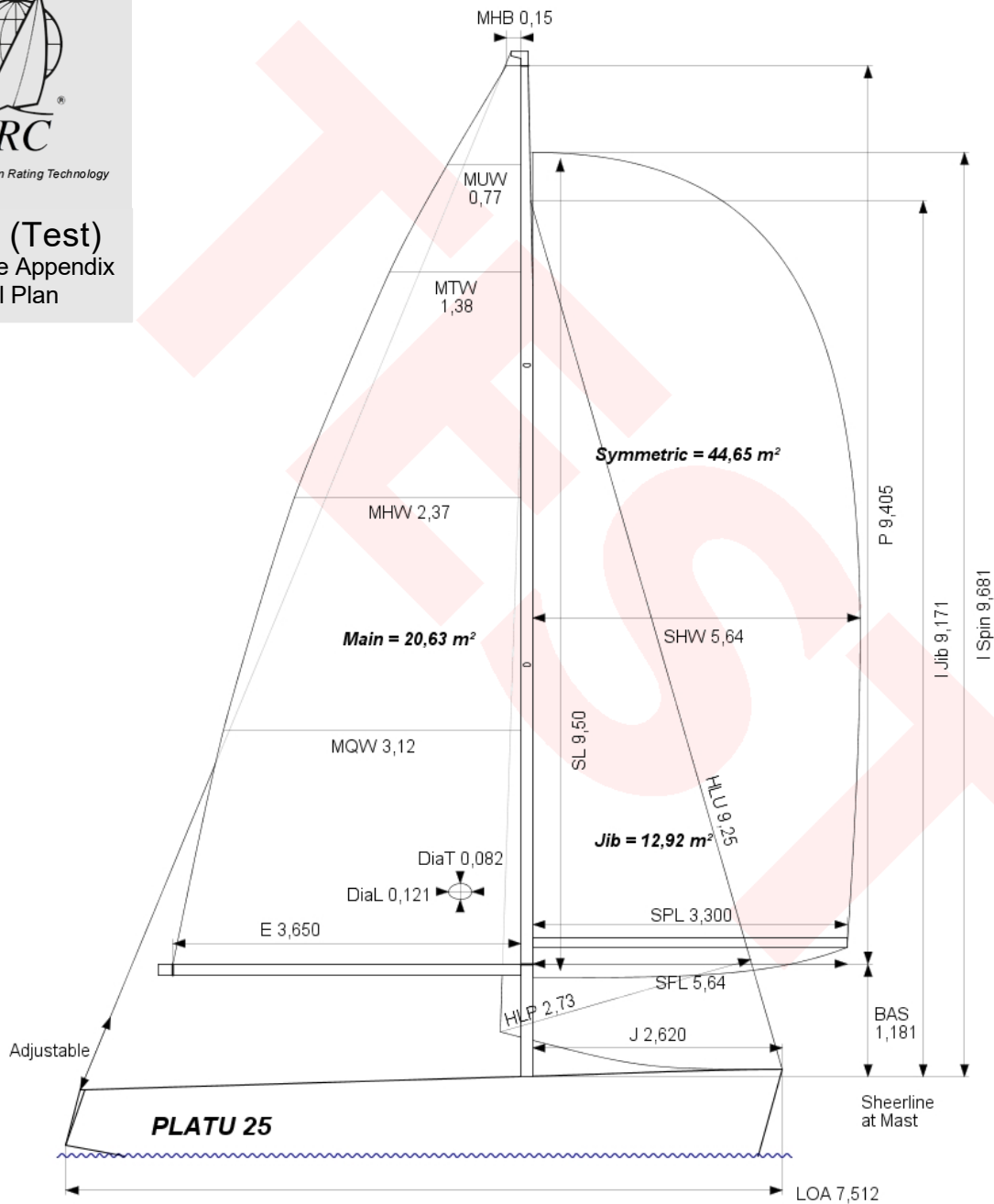
SAILS (Maximum Areas)									
Mainsail	MHB	MUW	MTW	MHW	MQW	Area	Area (r)	Formula	
	0.150	0.77	1.38	2.37	3.12	20.63	21.16	P/8 · (E + 2·MQW + 2·MHW + 1.5·MTW + MUW + 0.5·MHB)	
Symmetric	SLU	SLE	SL	SHW	SFL	44.65		SL · (SFL + 4·SHW) / 6	
	9.50	9.50	9.50	5.64	5.64				
Asymmetric	Not Available								

HEADSAILS												
Area = 0.1125·HLU · (1.445·HLP + 2·HQW + 2·HHW + 1.5·HTW + HUW + 0.5·HHB)												
H HB	H UW	H TW	H HW	H QW	H LP	H LU	Area	Btn	Fly	Meas.Date	Material	Comment
0.07	0.00	0.00	0.00	0.00	2.73	9.25	12.92	N	N			* Copied from legacy *



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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					
ORC	0.150	0.77	1.38	2.37	3.12	20.63					* Copied from legacy					
HEADSAILS (1)																
Id	HHB	HUW	HTW	HHW	HQW	HLP	HLU	Ovrlp	Area	Btn	Fly	Measurer	Meas.Date	Manufacture	Material	Comment
ORC	0.07	0.00	0.00	0.00	0.00	2.73	9.25	104%	12.92	N	N					* Copied from legacy *
SYMMETRIC SPINNAKERS (1)																
Id	SLU	SLE	SL	SHW	SFL	Area	Measurer	Meas.Date	Manufacture	Material	Comment					
ORC	9.50	9.50	9.50	5.64	5.64	44.65					* Copied from legacy *					
ASYMMETRIC SPINNAKERS (0)																
Id	SLU	SLE	SL	SHW	SFL	Area	Kind	Measurer	Meas.Date	Manufacture	Material	Comment				