

BOAT Name PLATU 25 Sail Nr	GPH 659.3	HULL Length Overall 7.515m Maximum Beam 2.574m Displacement 1.232kg Draft 1.590m 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 - 11/04/2019 22:16:17 Measurement by SCHIANO - 27/10/1997		IMSL 7.004m VCGD 0.042m Sink 7.63kg/mm RL 7.480m VCGM -0.054m WS 10.45m² LSMO 6.673m Displacement/Length ratio 4.1462



ORC
Offshore Racing Congress
World leader in rating technology

2019 (Test)
ORC International
One Design Certificate

Rating Office

SCORING OPTIONS						
	COASTAL / LONG DISTANCE			WINDWARD / LEEWARD		
Time on Distance	641.1			715.9		
Time on Time	0.9359			0.9428		
Triple Number	Low	Medium	High	Low	Medium	High
Time on Distance	738.4	591.1	522.6	943.5	716.9	637.5
Time on Time	0.9141	1.1420	1.2915	0.7154	0.9416	1.0589

TIME ALLOWANCES							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	1071.0	888.6	798.8	772.1	764.0	759.8	756.5
52°	706.4	609.4	579.2	564.1	557.7	554.7	544.9
60°	670.3	593.9	566.7	546.8	536.7	531.3	519.2
75°	647.9	585.4	553.4	525.1	503.5	492.2	483.6
90°	647.9	575.5	543.4	518.5	488.9	462.6	436.0
110°	644.9	569.5	523.3	483.6	457.7	438.7	402.8
120°	662.7	578.3	531.9	484.6	441.7	411.8	372.1
135°	732.9	608.8	562.0	518.7	475.5	430.1	328.7
150°	873.5	697.7	603.2	558.9	519.3	479.7	389.4
Run VMG	1008.6	805.7	689.2	617.1	570.1	533.4	460.6

Certificate Number PLAT25 ORC Ref N/A Issued On 11/04/2019 VPP Ver. 2019 1.01 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 688.8 0.8710
Double H.OSN 676.5 0.8869
Non Spin GPH 697.4 0.8603
Non Spin OSN 676.5 0.8869

Selected Courses							
Windward / Leeward	1039.8	847.1	744.0	694.6	667.1	646.6	608.6
Circular Random	891.7	728.1	641.4	590.5	557.4	532.9	494.7
Coastal / Long Distance	1036.7	800.0	680.0	614.6	572.5	535.3	470.7
Non Spinnaker	958.3	775.0	677.0	619.7	583.3	557.6	520.4

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	41.9°	40.8°	37.3°	36.0°	35.9°	35.6°	36.3°
Beat VMG	3.36	4.05	4.51	4.66	4.71	4.74	4.76
52°	5.10	5.91	6.22	6.38	6.45	6.49	6.61
60°	5.37	6.06	6.35	6.58	6.71	6.78	6.93
75°	5.56	6.15	6.51	6.86	7.15	7.31	7.44
90°	5.56	6.25	6.63	6.94	7.36	7.78	8.26
110°	5.58	6.32	6.88	7.44	7.86	8.21	8.94
120°	5.43	6.22	6.77	7.43	8.15	8.74	9.67
135°	4.91	5.91	6.41	6.94	7.57	8.37	10.95
150°	4.12	5.16	5.97	6.44	6.93	7.51	9.24
Run VMG	3.57	4.47	5.22	5.83	6.31	6.75	7.82
Gybe Angles	140.8°	148.8°	155.6°	173.7°	180.0°	180.0°	180.0°

Class Division Length CDL = 7.242
--

Storm Sails Areas
Heavy Weather Jib 11.45
Storm Jib (JL=5.99) 4.24
Storm Trysail 6.01

Owner
I certify that I understand my responsibilities under ORC Rules and Regulations
Signature

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	0.907	FF	0.907	SFFP	0.120
FAM	0.689	FA	0.689	SAFP	7.315
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					4.176 / 4.351
Maximum beam station from stem					4.670
RM Measured					17.8kg·m
RM Default					22.8kg·m
Limit of positive stability / Stab.Index					118.6° / 110.7
Freeboard at mast at 2.620					0.835



ORC
Offshore Racing Congress
World leader in rating technology

2019
IMS Measurement
Certificate

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	0.079
IG	9.171	J	2.620	MDL1	0.120
ISP	9.681	SFJ	0.000	MDT2	0.062
BAS	1.181	SPL	3.300	MDL2	0.078
FSP	0.000	TPS		TL	2.340
				MW	0.121
				GO	0.131
				BD	0.120
				MWT	35.50
				MCG	4.200

MIZZEN RIG AND SAILS	
N/A	

PROPELLER	
Type No Propeller	

Certificate	
Number PLAT25	
ORC Ref N/A	
Issued On 11/04/2019	
VPP Ver. 2019 1.01	
Invalid for Racing	

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				
	9.50	9.50	9.50	5.64	5.64	44.65		SL · (SFL + 4·SHW) / 6	
Asymmetric	Not Available								

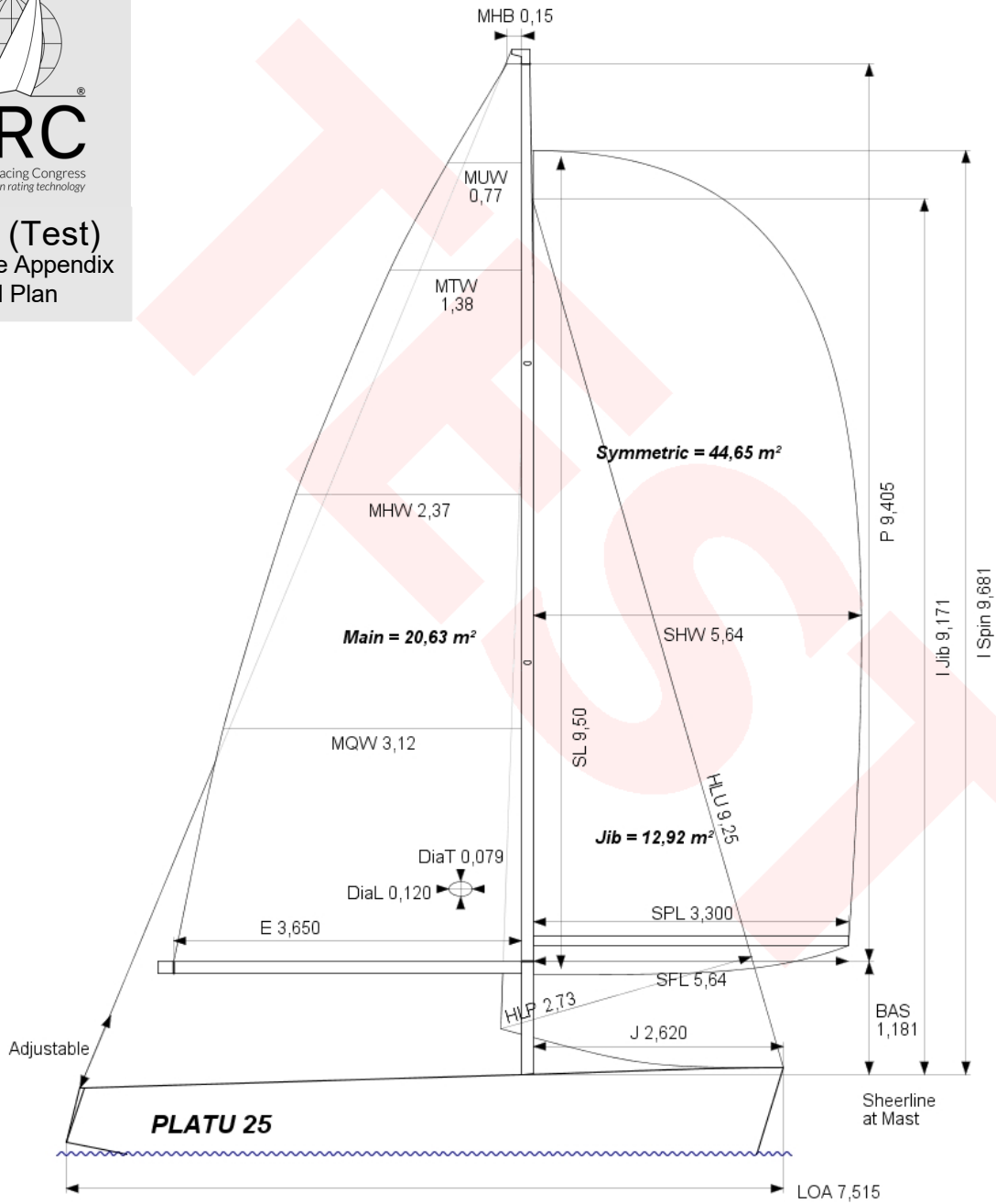
HEADSAILS												
Area = 0.1125·HLU · (1.445·HLP + 2·HQW + 2·HHW + 1.5·HTW + HUW + 0.5·HHB)												
HHB	HUW	HTW	HHW	HQW	HLP	HLU	Area	Btn	Fly	Meas.Date	Material	Comment
0.07	0.00	0.00	0.00	0.00	2.73	9.25	12.92	N	N			* Copied from legacy *



ORC

Offshore Racing Congress
World leader in rating technology

**2019 (Test)
Certificate Appendix
Sail Plan**



SAILS INVENTORY

MAINSAIL (1)

Id	MHB	MUW	MTW	MHW	MQW	Area	Measurer	Meas.Date	Manufacture	Material	Comment
ORC	0.15	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
----	-----	-----	----	-----	-----	------	------	----------	-----------	-------------	----------	---------