



World Leader in Rating Technology

2010 ORC Club Certificate

Rating Office

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Certificate

Number **10045c**
Issued On **08/03/2010**
ORC Ref **FRA00007504**
VPP Ver. **2010 1.08**
Valid until **28/02/2011**

Crew Weight

Declared **500 kg**
Default* **542 kg**
Non Manual Power **No**

Special Scoring

	ToD	ToT
Double Handed	608.3	0.9864
Non Spinnaker	654.9	0.9162
N/S Perf. Line	59.1	0.742

Sails Limitations

Genoas **0** Spinnakers **4**
Jibs **5**

Spinnaker configuration

Symmetric: **Yes 98.46**
Asymmetric: **Yes 110.56**
Code Zero: **No**
Spin. Pole: **Yes**

Stability

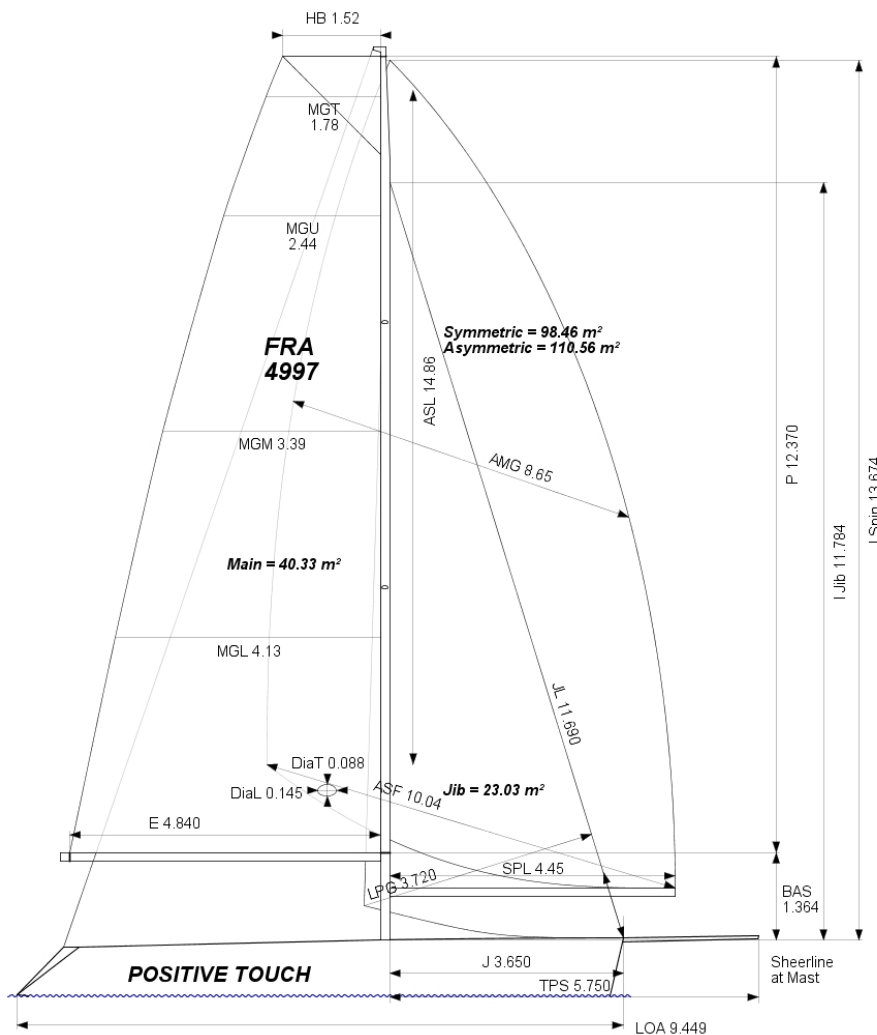
LPS (Estimated): **125.1°**
Stability Index: **119.7**
OSR Category: **1**

Owner

BALDI Patrick
44 Rue Michel Kouma,
BP 12 289,
98802 - NOUMEA

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

Signature



BOAT	GPH	HULL
Name POSITIVE TOUCH Sail Nr FRA- 4997	599.4	Data File F4997.dxt LOA 9.449 m Offset File YOUNG_31.OFF MB 3.642 m Displacement 2,920 kg Draft 2.474 m
CLASS Class YOUNG ROCKET 31 Designer YOUNG Jim Builder COOKSON Series 01/1985 Age Date 01/1985 Age Allowance 0.975%		IMS Division Cruiser/Racer Dynamic All. 0.097% Fwd Accom. Yes Construction Solid Fiber Rigging No Aramid Core No Carbon Mast Yes Carbon Rudder Yes Anchor Wgt Anchor LCG
COMMENTS MUMM 30 Mast.		IMS L 9.314 Wetted Area 20.02 m² VCGM -0.355
PROPELLER Type No Propeller		CENTERBOARD N/A

SCORING OPTIONS	OFFSHORE COASTAL / LONG DISTANCE			INSHORE WINDWARD / LEEWARD		
	Time On Distance	599.4			669.9	
Time On Time	1.0010			1.0076		
Performance Line	PLT 0.888	PLD 106.3		PLT 1.076	PLD 314.4	
Triple Number	Low 0.9947	Medium 1.2609	High 1.4296	Low 0.7639	Medium 1.0105	High 1.1748



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ORC Club Certificate Appendix

BOAT			
Name	POSITIVE TOUCH	Certificate Number	10045c
Sail Nr	FRA- 4997	Issued On	08/03/2010

TIME ALLOWANCES							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	1027.9	850.9	765.0	721.8	695.4	680.3	682.5
52°	678.9	574.7	525.2	503.2	489.8	481.4	479.2
60°	642.3	550.9	502.8	482.7	471.0	463.1	456.5
75°	598.7	518.3	485.9	458.8	445.3	436.2	424.6
90°	553.9	491.8	468.3	458.8	434.5	415.1	395.9
110°	559.3	486.8	450.2	430.7	414.5	400.4	386.4
120°	585.1	504.3	457.6	423.6	400.5	383.5	406.7
135°	662.2	552.2	490.7	451.2	416.4	380.3	321.5
150°	790.4	643.5	556.3	499.1	460.3	427.8	357.9
Run VMG	912.7	743.0	641.7	571.0	518.1	479.4	413.3

Selected Courses							
Windward / Leeward	991.2	810.4	713.4	654.0	613.9	586.3	553.2
Circular Random	817.1	664.5	582.7	534.3	503.3	482.0	455.0
Ocean for PCS	871.7	694.2	595.0	532.8	489.9	457.7	409.9
Non Spinnaker	919.1	735.7	634.9	574.1	535.1	508.4	474.4

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°	40.5°	38.7°	37.2°	36.3°	36.1°	36.8°
Beat VMG	3.50	4.23	4.71	4.99	5.18	5.29	5.27
52°	5.30	6.26	6.85	7.15	7.35	7.48	7.51
60°	5.60	6.53	7.16	7.46	7.64	7.77	7.89
75°	6.01	6.95	7.41	7.85	8.08	8.25	8.48
90°	6.50	7.32	7.69	7.85	8.29	8.67	9.09
110°	6.44	7.39	8.00	8.36	8.68	8.99	9.32
120°	6.15	7.14	7.87	8.50	8.99	9.39	8.85
135°	5.44	6.52	7.34	7.98	8.65	9.47	11.20
150°	4.55	5.59	6.47	7.21	7.82	8.42	10.06
Run VMG	3.94	4.85	5.61	6.31	6.95	7.51	8.71
Gybe Angles	142.7°	145.1°	152.2°	158.7°	163.4°	167.2°	144.0°