



World Leader in Rating Technology

2011 ORC Club Certificate

Rating Office

Hellenic Sailing Federation
Offshore Committee
Επιτροπή
Ανοικτής Θαλάσσης
Ελληνικής
Ιστιοπλοϊκής Ομοσπονδίας



Certificate

Number **000136**
Issued On **3/6/2011**
ORC Ref **GRE00019183**
VPP Ver. **2011 1.02**
Valid until **1/3/2012**

Crew Weight

Declared **400 kg**
Default* **705 kg**
Non Manual Power **No**

Special Scoring

	ToD	ToT
Double Handed	725,3	0,8272
Non Spinnaker	724,6	0,8280
N/S Perf. Line	31,4	0,630

Sails Limitations

Genoas **1** Spinnakers **0**
Jibs **0** Dacron Sails

Spinnaker configuration

Symmetric: **No**
Asymmetric: **No**
Code Zero: **No**
Spin. Pole: **No**

Stability

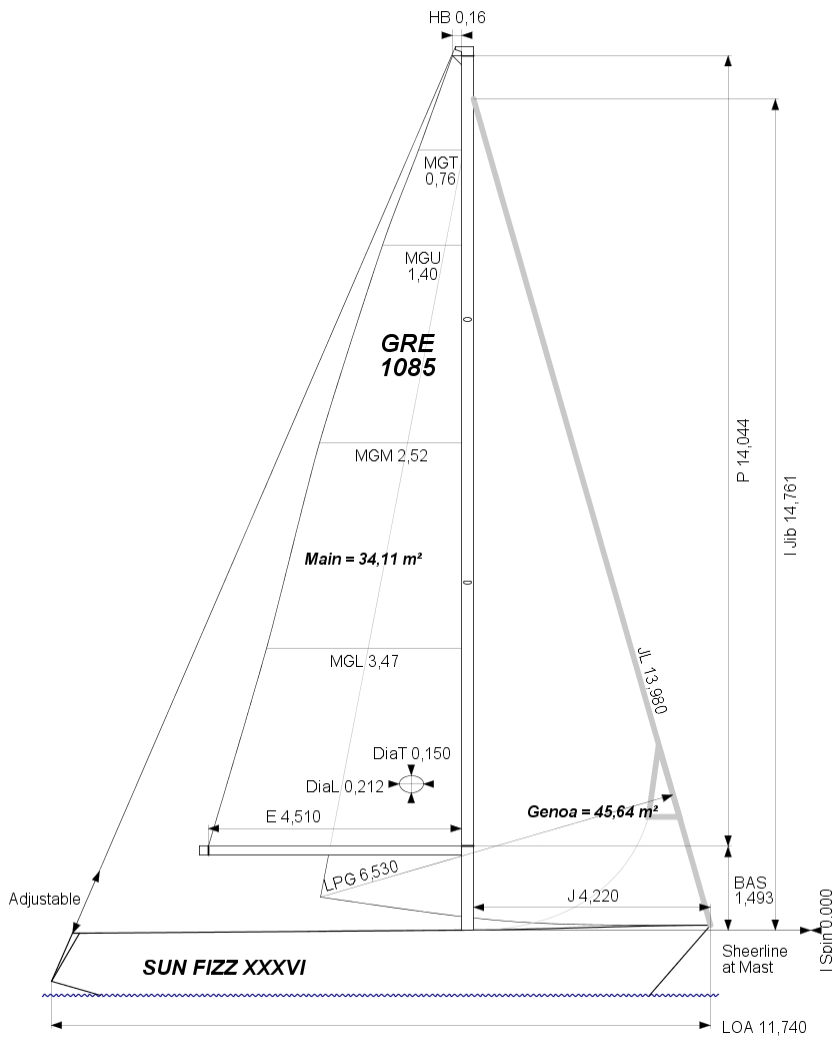
LPS (Estimated): **112,9°**
Stability Index: **117,9**
OSR Category: **1**

Owner

PALLIS EFSTRATIOS
ERMOU 144
81100 MYTILINI, HELLAS
LOIATH

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

Signature



BOAT	GPH	HULL
Name SUN FIZZ XXXVI Sail Nr GRE-1085	724,6	Data File GR1085.dxt LOA 11,740 m Offset File I0048.OFF MB 3,770 m Displacement 8.509 kg Draft 1,951 m
CLASS Class SUN FIZZ Designer Builder JEANNEAU Series Age Date 01/1981 Age Allowance 0,975%		IMS Division Cruiser/Racer Dynamic All. 1,230% Fwd Accom. Yes Construction Solid Fiber Rigging No Aramid Core No Crew Arm Ex Carbon Rudder No Anchor Wgt Anchor LCG
COMMENTS		IMS L 10,013 Wetted Area 30,56 m² VCGM 0,100
PROPELLER Installation Shaft PRD 0,405 Type Solid 2 blades		CENTERBOARD N/A

SCORING OPTIONS	OFFSHORE COASTAL / LONG DISTANCE			INSHORE WINDWARD / LEEWARD		
	Time On Distance	724,6			790,4	
Time On Time	0,8280			0,8540		
Performance Line	PLT 0,630	PLD 31,4		PLT 0,573	PLD 82,8	
Triple Number	Low 0,7695	Medium 1,0705	High 1,2555	Low 0,5808	Medium 0,8445	High 1,0311



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ORC Club Certificate Appendix

BOAT			
Name	SUN FIZZ XXXVI	Certificate Number	000136
Sail Nr	GRE-1085	Issued On	3/6/2011

TIME ALLOWANCES							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	1292,2	1039,5	901,9	826,4	788,5	764,9	744,0
52°	813,6	661,7	581,7	543,7	524,7	514,0	503,5
60°	746,5	611,7	550,5	517,5	499,3	490,3	480,8
75°	693,1	575,9	526,2	497,1	477,6	463,8	451,4
90°	701,3	581,1	530,1	500,5	479,7	460,2	438,6
110°	786,4	629,5	552,3	513,0	487,3	467,1	434,3
120°	849,4	675,8	578,4	529,4	498,5	476,2	441,2
135°	987,8	763,7	639,2	564,4	522,6	494,9	456,1
150°	1143,5	873,5	718,4	619,2	557,7	519,8	473,6
Run VMG	1314,8	1002,1	814,1	694,1	610,0	555,7	494,6

Selected Courses							
Windward / Leeward	1323,3	1034,8	870,4	770,7	708,2	668,2	625,8
Circular Random	1040,9	821,8	700,4	627,4	581,5	551,5	515,6
Ocean for PCS	1112,3	859,0	714,9	625,5	566,7	525,8	471,4
Non Spinnaker	1040,9	821,8	700,4	627,4	581,5	551,5	515,6

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	46,4°	45,1°	45,0°	43,4°	42,0°	41,2°	40,8°
Beat VMG	2,79	3,46	3,99	4,36	4,57	4,71	4,84
52°	4,42	5,44	6,19	6,62	6,86	7,00	7,15
60°	4,82	5,89	6,54	6,96	7,21	7,34	7,49
75°	5,19	6,25	6,84	7,24	7,54	7,76	7,98
90°	5,13	6,20	6,79	7,19	7,50	7,82	8,21
110°	4,58	5,72	6,52	7,02	7,39	7,71	8,29
120°	4,24	5,33	6,22	6,80	7,22	7,56	8,16
135°	3,64	4,71	5,63	6,38	6,89	7,27	7,89
150°	3,15	4,12	5,01	5,81	6,46	6,93	7,60
Run VMG	2,74	3,59	4,42	5,19	5,90	6,48	7,28
Gybe Angles	159,7°	162,7°	171,7°	180,0°	180,0°	180,0°	180,0°