



World Leader in Rating Technology

**2010
ORC Club
Certificate**

Rating Office

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Certificate

Number **10055a**
Issued On **09/03/2010**
ORC Ref **FRA00007525**
VPP Ver. **2010 1.08**
Valid until **28/02/2011**

Crew Weight

Declared **854 kg**
Default* **675 kg**
Non Manual Power **No**

Special Scoring

	ToD	ToT
Double Handed	586.2	1.0235
Non Spinnaker	602.8	0.9954
N/S Perf. Line	114.0	0.889

Sails Limitations

Genoas **4** Spinnakers **4**
Jibs **3**

Spinnaker configuration

Symmetric: **Yes** **87.82**
Asymmetric: **No**
Code Zero: **No**
Spin. Pole: **Yes**

Stability

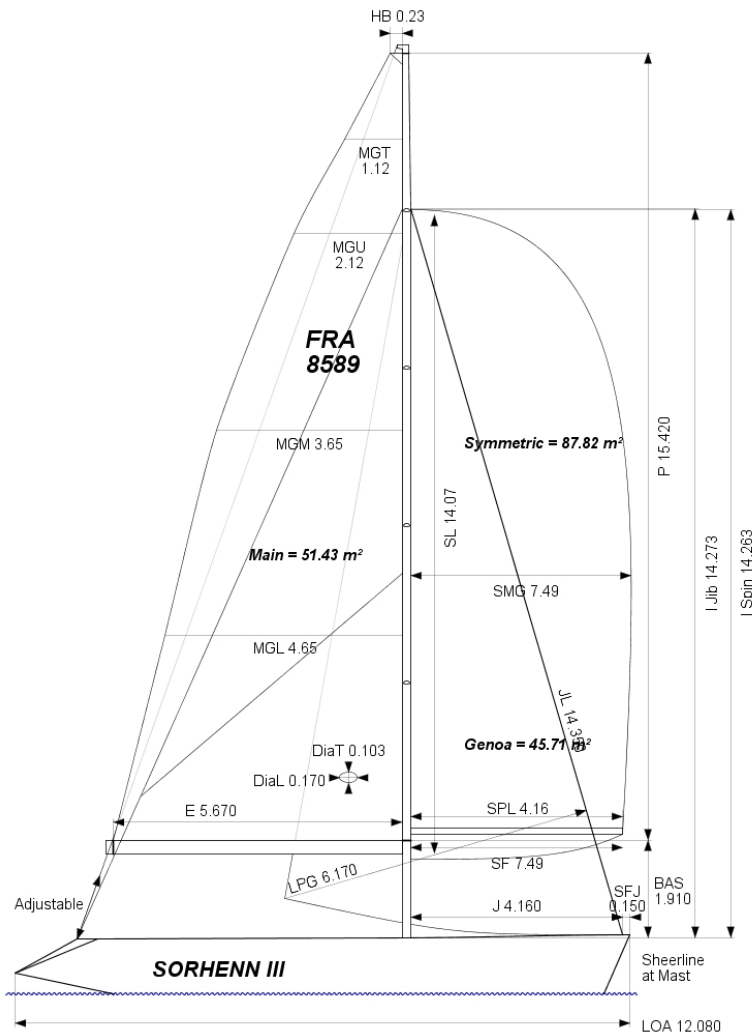
LPS (Estimated): **115.7°**
Stability Index: **114.7**
OSR Category: **2**

Owner

CARADEC Didier
2 bis Rue de la Tour d'Auvergne,
29900 - CONCARNEAU

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

Signature



BOAT	GPH	HULL
Name SORHENN III Sail Nr FRA- 8589	581.5	Data File F8589.dxt LOA 12.080 m Offset File SORHENN.OFF MB 3.846 m Displacement 5,926 kg Draft 2.282 m
CLASS Class PROTO 1 TONNER Designer FARR Bruce Builder C.D.K COMPOSITES Series 03/1989 Age Date 03/1989 Age Allowance 0.975%		IMS Division Performance Dynamic All. 0.005% Fwd Accom. Yes Construction Carbon Fiber Rigging No Aramid Core No Carbon Mast No Carbon Rudder Yes Anchor Wgt Anchor LCG
COMMENTS ex: "TEAM VENDEE QUALITE". 2712kg Solid Floor. ex: "From IOR 89133.		IMS L 10.082 Wetted Area 25.38 m² VCGM 0.014
PROPELLER Installation Shaft PRD Type Feathering 2 blades		CENTERBOARD N/A

SCORING OPTIONS	OFFSHORE COASTAL / LONG DISTANCE			INSHORE WINDWARD / LEEWARD		
	PLT	PLD		PLT	PLD	
Time On Distance	581.5			642.3		
Time On Time	1.0317			1.0509		
Performance Line	0.975	145.5		1.245	392.9	
Triple Number	Low 1.0337	Medium 1.2984	High 1.4485	Low 0.7905	Medium 1.0578	High 1.2163



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ORC Club Certificate Appendix

BOAT	
Name	SORHENN III
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TIME ALLOWANCES							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	912.4	761.6	697.9	663.0	641.6	631.1	632.1
52°	587.4	518.9	489.9	475.2	465.5	459.1	454.8
60°	556.7	502.0	474.9	460.5	451.3	444.9	438.8
75°	536.2	489.5	462.9	443.6	431.9	424.9	416.3
90°	539.2	486.8	456.3	435.3	424.6	413.4	398.7
110°	557.0	496.5	464.2	440.1	419.6	402.0	380.2
120°	588.4	513.1	476.2	449.3	427.2	407.9	371.6
135°	698.3	561.6	505.2	472.4	447.2	425.6	387.3
150°	844.7	663.5	560.0	507.1	474.9	450.0	409.8
Run VMG	975.4	766.2	645.1	570.3	519.1	484.9	437.8

Selected Courses							
Windward / Leeward	962.6	777.9	681.3	624.3	587.6	564.4	539.9
Circular Random	787.9	642.4	565.3	520.7	493.0	474.6	451.3
Ocean for PCS	842.6	672.1	578.2	521.2	483.6	456.8	418.6
Non Spinnaker	827.2	669.8	585.3	535.7	504.8	484.4	459.4

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	44.1°	41.1°	38.1°	36.6°	35.5°	35.4°	36.1°
Beat VMG	3.95	4.73	5.16	5.43	5.61	5.70	5.70
52°	6.13	6.94	7.35	7.58	7.73	7.84	7.92
60°	6.47	7.17	7.58	7.82	7.98	8.09	8.20
75°	6.71	7.35	7.78	8.12	8.34	8.47	8.65
90°	6.68	7.39	7.89	8.27	8.48	8.71	9.03
110°	6.46	7.25	7.76	8.18	8.58	8.96	9.47
120°	6.12	7.02	7.56	8.01	8.43	8.83	9.69
135°	5.16	6.41	7.13	7.62	8.05	8.46	9.29
150°	4.26	5.43	6.43	7.10	7.58	8.00	8.79
Run VMG	3.69	4.70	5.58	6.31	6.93	7.42	8.22
Gybe Angles	140.8°	143.0°	152.8°	164.1°	171.8°	175.0°	176.1°