

BOAT		GPH	HULL			
Name CAMPING RIA DE AROSA Sail Nr ESP-5997		676.0	Length Overall 9.520m			
			Maximum Beam 3.254m			
			Displacement 3,999kg			
			Draft 1.663m			
			Plan Review			
			IMS Reg. Division Cruiser/Racer			
			Dynamic Allowance 0.263%			
			Hull Construction Solid			
			Carbon Rudder No			
			Crew Arm Extension			
			IMSL	8.360m	VCGD	0.156m Sink 15.00kg/mm
			RL	7.134m	VCGM	0.064m WS 20.28m ²
			LSM0	8.135m	Displacement/Length ratio 7.4281	



ORC

Offshore Racing Congress
World leader in rating technology

2020
ORC International
Certificate

Rating Office

Offshore
Racing
Congress



Certificate

Number **599701**
ORC Ref **03510000BBN**
Issued On **17/01/2020**
VPP Ver. **2020 1.00**
Valid until **31/12/2020**

Crew Weight

Default 513kg
Maximum **525kg**
Minimum* **394kg**
**when applied by the NoR and SI*
Non Manual Pwr **No**

Special Scoring

	ToD	ToT
Non Spin GPH	712.9	0.8416
Non Spin OSN	689.4	0.8703

Sails Limitations

Headsails	Spinnakers
5	4

Class Division Length

CDL = 7.741

Storm Sails Areas

Heavy Weather Jib	21.32
Storm Jib (JL=8.17)	7.90
Storm Trysail	8.17

Owner

SCORING OPTIONS

	COASTAL / LONG DISTANCE			WINDWARD / LEEWARD		
Time on Distance	657.2			734.4		
Time on Time	0.9130			0.9191		
Triple Number	Low	Medium	High	Low	Medium	High
Time on Distance	775.4	598.1	536.7	1003.6	737.3	645.7
Time on Time	0.8705	1.1286	1.2577	0.6726	0.9155	1.0454

TIME ALLOWANCES

Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	1156.0	962.2	848.6	790.6	772.1	765.9	777.8
52°	747.7	631.0	570.1	545.1	535.4	531.5	531.2
60°	701.7	597.4	551.8	530.9	519.8	515.1	513.1
75°	669.9	574.8	538.2	518.2	503.1	491.6	482.3
90°	676.5	574.4	531.1	509.8	496.2	479.6	454.9
110°	685.7	568.0	524.0	497.7	474.1	455.7	436.3
120°	707.2	581.2	529.7	501.9	476.6	453.1	417.8
135°	780.2	634.1	554.6	519.8	494.5	469.4	424.2
150°	915.9	726.2	615.5	550.7	519.4	495.8	450.4
Run VMG	1057.6	838.5	709.0	623.8	563.4	527.9	481.6

Selected Courses

Windward / Leeward	1106.8	900.3	778.8	707.2	667.8	646.9	629.7
Circular Random	930.7	751.5	655.7	600.5	567.4	546.6	523.0
Coastal / Long Distance	1101.9	844.2	701.5	619.2	577.8	545.9	494.7
Non Spinnaker	997.2	798.4	690.5	627.5	589.3	565.6	539.5

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	43.5°	42.8°	42.0°	40.9°	40.5°	40.5°	42.0°
Beat VMG	3.11	3.74	4.24	4.55	4.66	4.70	4.63
52°	4.82	5.71	6.31	6.60	6.72	6.77	6.78
60°	5.13	6.03	6.52	6.78	6.93	6.99	7.02
75°	5.37	6.26	6.69	6.95	7.16	7.32	7.46
90°	5.32	6.27	6.78	7.06	7.25	7.51	7.91
110°	5.25	6.34	6.87	7.23	7.59	7.90	8.25
120°	5.09	6.19	6.80	7.17	7.55	7.94	8.62
135°	4.61	5.68	6.49	6.93	7.28	7.67	8.49
150°	3.93	4.96	5.85	6.54	6.93	7.26	7.99
Run VMG	3.40	4.29	5.08	5.77	6.39	6.82	7.48
Gybe Angles	146.0°	150.0°	152.0°	159.0°	180.0°	180.0°	180.0°

CENTERBOARD	
	N/A

MTW + MUW + 0.5·MHB)

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	Flying	Meas.Date	Material	Comment
0.09	0.59	1.12	2.23	3.42	4.71	12.07	27.73		No	03/05/2018	Pentex	
0.08	0.53	1.04	2.15	3.38	4.75	12.10	27.30		No	16/12/2016	Pentex	pesado

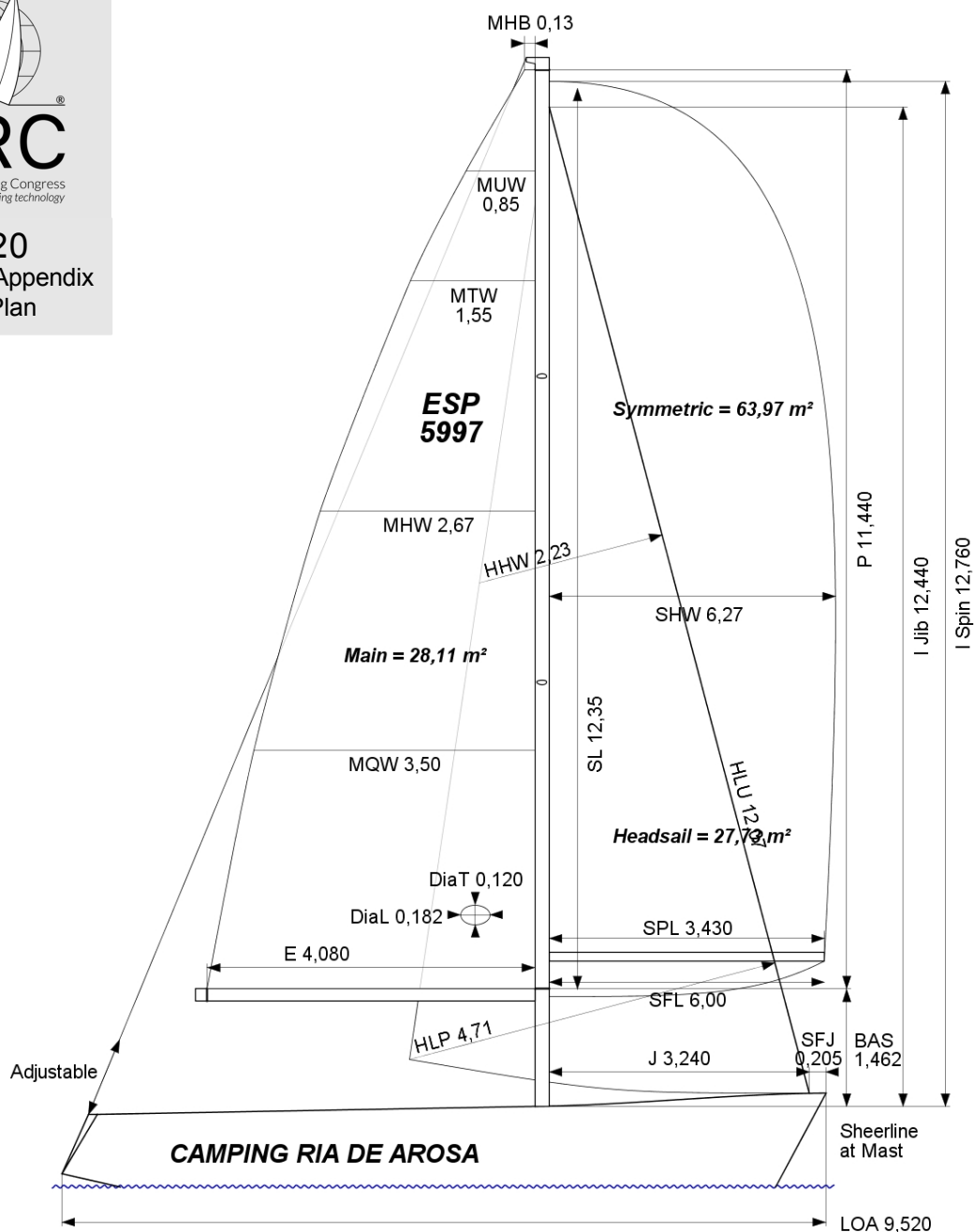
© Offshore Racing Congress 2020
www.orc.org



ORC

Offshore Racing Congress
World leader in rating technology

2020
Certificate Appendix
Sail Plan



SAILS INVENTORY

MAINSAIL (1)

Id	MHB	MUW	MTW	MHW	MQW	Area	Measurer	Meas.Date	Manufacture	Material	Comment
002	0.13	0.85	1.55	2.67	3.50	28.12		15/07/2015		Dacron	

HEADSAILS (2)

Id	HHB	HUW	HTW	HHW	HQW	HLP	HLU	Ovrlp	Area	Btn	Flying	Measurer	Meas.Date	Manufacture	Material	Comment
003	0.09	0.59	1.12	2.23	3.42	4.71	12.07	145%	27.73	No			03/05/2018		Pentex	
002	0.08	0.53	1.04	2.15	3.38	4.75	12.10	147%	27.30	No			16/12/2016		Pentex	pesado

SYMMETRIC SPINNAKERS (3)

Id	SLU	SLE	SL	SHW	SFL	Area	Measurer	Meas.Date	Manufacture	Material	Comment
002	12.35	12.35	12.35	6.27	6.00	63.98		22/03/2010		Nylon	PESADO
003	12.38	12.38	12.38	6.24	6.00	63.89		20/05/2017		Nylon	S-0.75
001	12.26	12.26	12.26	6.20	6.12	63.18		20/05/2017		Nylon	S-0.5

ASYMMETRIC SPINNAKERS (0)

Id	SLU	SLE	SL	SHW	SFL	Area	Kind	Measurer	Meas.Date	Manufacture	Material	Comment
----	-----	-----	----	-----	-----	------	------	----------	-----------	-------------	----------	---------