



ORC

Offshore Racing Congress
World leader in rating technology

2020
ORC Club
Certificate

Rating Office

Offshore
Racing
Congress



Certificate

Number **105/20**
Issued On **03/07/2020**
ORC Ref **03880000LVU**
VPP Ver. **2020 1.02**
Valid until **31/12/2020**

Crew Weight

Default 452kg
Maximum **520kg**
Minimum* **390kg**
**when applied by the NoR and SI*
Non Manual Pwr **No**

Special Scoring

	ToD	ToT
Non Spin GPH	724.3	0.8284
Non Spin OSN	702.8	0.8537

Sails Limitations

Headsails **5** Spinnakers **4**

Spinnaker configuration

Symmetric: **Yes** 50.76
Asymmetric: **No**
Flying H/S: **No**
Spin. Pole: **Yes**

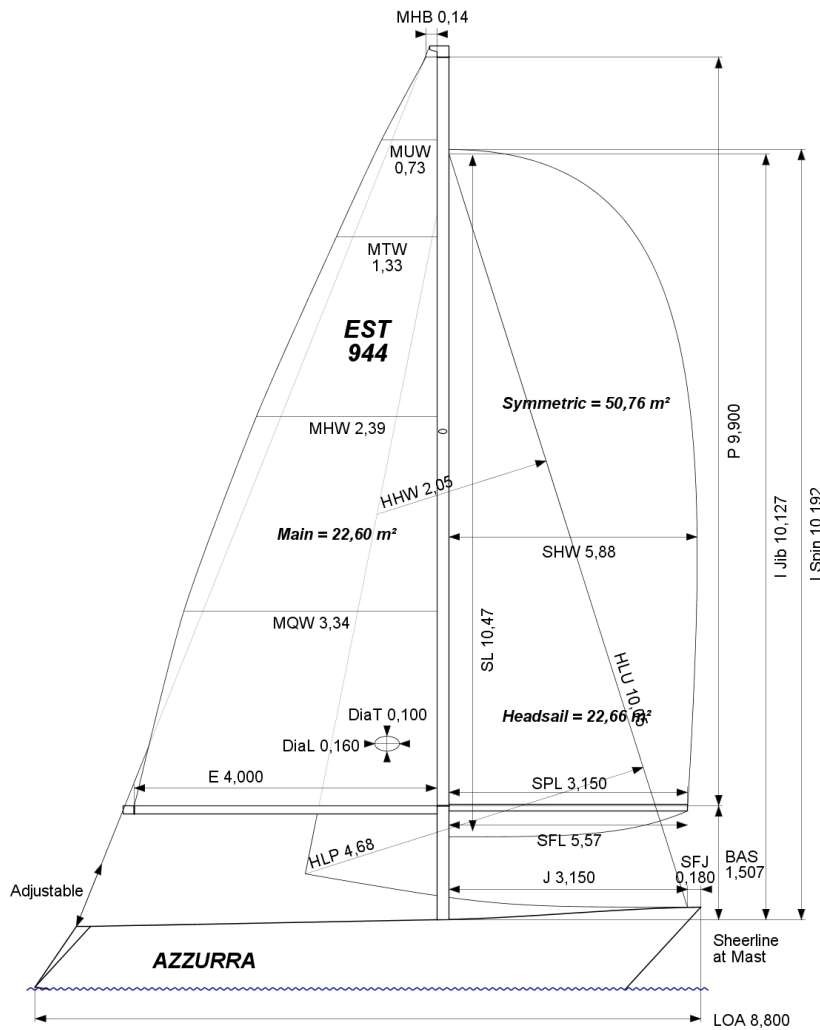
Class Division Length

CDL = 7.204

Stability (Estimated)

Limit Positive Stab.: **121.3°**
Stability Index: **122.9**

Owner



BOAT	GPH	HULL
Name Azzurra Sail Nr EST944	697.5	Data File EST944 LOA 8.800m Offset File G1057.bof MB 2.514m Displacement 2,600kg Draft 1.521m
CLASS Class Inferno 29 Designer Builder Series 01/1979 Age Date Age Allowance 0.487%		IMS Division Cruiser/Racer Dynamic All. 0.065% Plan Review Construction Cored Fiber Rigging No Aramid Core No Crew Arm Ex Carbon Rudder No Light Stanchions No
COMMENTS		IMSL 7.562m VCGD -0.112m Sink 11.25kg/mm RL 6.844m VCGM -0.068m WS 15.13m² LSM0 7.446m Displacement/Length ratio 6.2980
PROPELLER Installation Shaft exposed PRD 0.371 Type Feathering 2 blades PBW 0.132 PIPA 0.0035		Water Ballast 0 Trim Tab No BLR Index 0.0000
		CENTERBOARD N/A
SCORING OPTIONS		
	COASTAL / LONG DISTANCE	WINDWARD / LEEWARD
Time on Distance	678.6	753.7
Time on Time	0.8841	0.8956
Triple Number	Low Medium High	Low Medium High
Time on Distance	792.8 619.0 558.8	1023.0 753.9 665.7
Time on Time	0.8514 1.0904 1.2079	0.6598 0.8953 1.0140

2020

ORC Club Certificate Appendix

BOAT	
Name Azzurra	Certificate Number 105/20
Sail Nr EST944	Issued On 03/07/2020

TIME ALLOWANCES							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	1160.4	968.2	852.8	807.2	791.5	786.6	794.0
52°	759.0	640.6	589.9	571.0	564.3	561.4	562.2
60°	716.4	613.3	575.8	558.2	549.9	545.9	544.7
75°	687.0	596.0	564.8	545.5	530.6	520.9	513.9
90°	696.1	596.7	557.8	539.4	522.6	504.8	482.4
110°	701.6	589.0	550.1	521.9	496.4	478.7	457.6
120°	724.0	601.0	555.8	526.5	497.0	470.7	435.3
135°	799.4	653.8	577.7	545.5	517.2	488.1	434.5
150°	947.8	752.5	635.7	573.7	544.6	518.2	465.7
Run VMG	1094.4	869.0	731.8	641.6	583.4	552.0	501.0
Selected Courses							
Windward / Leeward	1127.4	918.7	792.3	724.4	687.5	669.3	647.5
Circular Random	953.5	772.7	676.8	622.2	589.4	568.6	543.1
Coastal / Long Distance	1124.1	863.1	718.3	641.1	601.0	569.3	517.6
Non Spinnaker	1001.8	806.7	702.1	642.0	605.7	582.8	555.9

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	42.8°	42.4°	40.9°	39.4°	38.6°	38.3°	39.0°
Beat VMG	3.10	3.72	4.22	4.46	4.55	4.58	4.53
52°	4.74	5.62	6.10	6.30	6.38	6.41	6.40
60°	5.03	5.87	6.25	6.45	6.55	6.59	6.61
75°	5.24	6.04	6.37	6.60	6.78	6.91	7.01
90°	5.17	6.03	6.45	6.67	6.89	7.13	7.46
110°	5.13	6.11	6.54	6.90	7.25	7.52	7.87
120°	4.97	5.99	6.48	6.84	7.24	7.65	8.27
135°	4.50	5.51	6.23	6.60	6.96	7.38	8.28
150°	3.80	4.78	5.66	6.27	6.61	6.95	7.73
Run VMG	3.29	4.14	4.92	5.61	6.17	6.52	7.19
Gybe Angles	147.0°	151.0°	152.0°	164.0°	180.0°	180.0°	180.0°