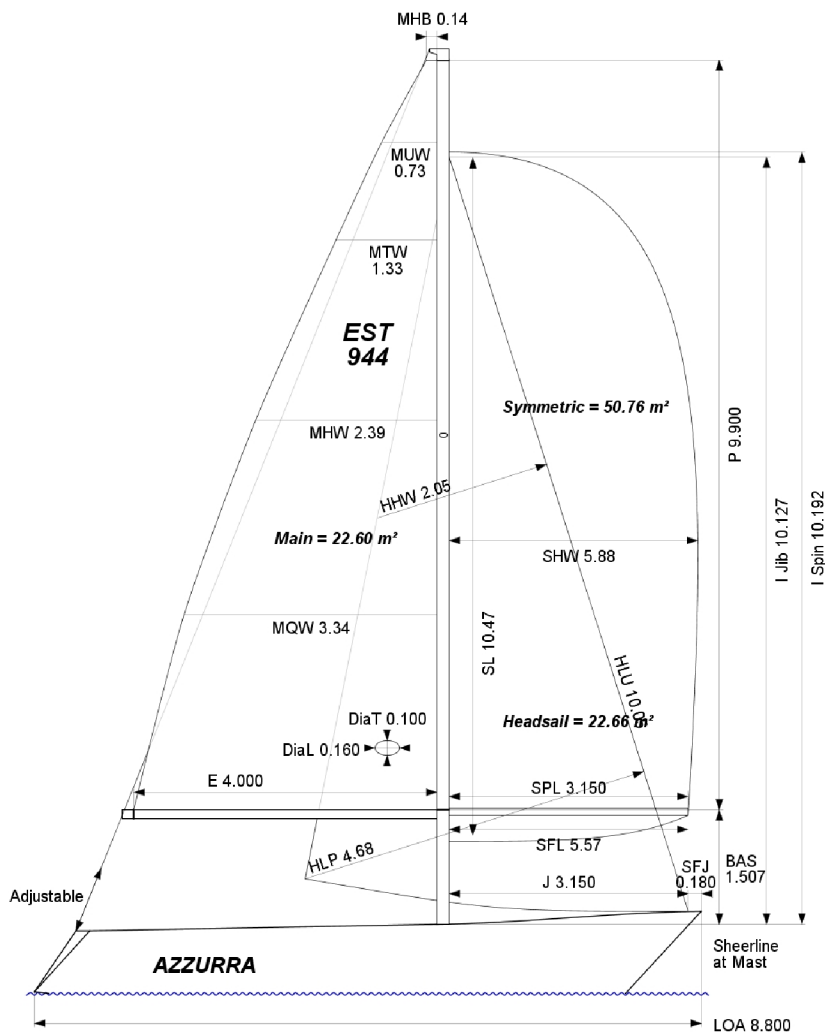




BOAT		GPH	HULL	
Name	Azzurra	697.5	Data File	EST944 LOA 8.800m
Sail Nr	EST944		Offset File	G1057.bof MB 2.514m
			Displacement	2,600kg Draft 1.521m
CLASS				
Class	Inferno 29			
Designer				
Builder				
Series	01/1979			
Age Date				
Age Allowance	0.487%			
COMMENTS				
PROPELLER		CENTERBOARD		
Installation	Shaft exposed	PRD	0.371	N/A
Type	Feathering 2 blades	PBW	0.132	
		PIPA	0.0035	

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



Rating Office
Estonian Yachting Union
Purje 8, maja 3
11911 Tallinn
Estonia



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**

BOAT Name Azzurra Sail Nr EST944 File EST944 Data in meters/kilograms		INCLINING TEST AND FREEBOARDS Inclining Test Club Estimated VCG Flotation date 18/11/2019 SG 1.0233 FFM 1.070 FF 1.071 SFFP 0.482 FAM 0.792 FA 0.792 SAFF 8.072 LCF from stem on CL / on sheer 5.021 / 5.178 Maximum beam station from stem 5.025 RM Measured 41.7kg·m RM Default 40.4kg·m Limit of positive stability / Stab.Index 121.3° / 122.9 Freeboard at mast at 3.330 0.918														
RIG Forestay Tension Aft Spreaders 1 Inner Stay None Fitted Runners/Checkstays 0 Carbon Mast No Jib Furler No Fiber Rigging No Main Furler No Non-Circular Rigging No Articulated Bowsprit No P 9.900 E 4.000 MDT1 0.100 MW 0.137 IG 10.127 J 3.150 MDL1 0.160 GO 0.146 ISP 10.192 SFJ 0.180 MDT2 BD 0.110 BAS 1.507 SPL 3.150 MDL2 MWT FSD -2.000 TPS TL -3.000 MCG		PROPELLER Installation Shaft exposed PRD 0.371 Type Feathering 2 blades PBW 0.132 Twin Screw PIPA 0.0035 PSA 15.000 PHL 0.105 ST3 0.078 ESL 0.698 PSD 0.025 ST1 0.021 ST4 0.047 PHD 0.064 ST2 0.078 ST5 0.150														
MIZZEN RIG AND SAILS N/A		MOVABLE BALLAST N/A														
COMMENTS 		CENTERBOARD N/A														
SAILS INVENTORY																
MAINSAIL (1)																
Id	MHB	MUW	MTW	MHW	MQW	Area	Measurer	Meas.Date	Manufacture	Material	Comment					
1	0.14	0.73	1.33	2.39	3.34	22.60		26/06/2020								
HEADSAILS (2)																
Id	HHB	HUW	HTW	HHW	HQW	HLP	HLU	Ovrlp	Area	Btn	Flying	Measurer	Meas.Date	Manufacture	Material	Comment
1	0.07	0.58	1.11	2.05	3.45	4.68	10.05	149%	22.66		No					
2	0.03	0.44	0.82	1.62	2.47	3.35	9.70	106%	16.05		No					Unknow
SYMMETRIC SPINNAKERS (1)																
Id	SLU	SLE	SL	SHW	SFL	Area	Measurer	Meas.Date	Manufacture	Material	Comment					
1	10.47	10.47	10.47	5.88	5.57	50.77										
ASYMMETRIC SPINNAKERS (0)																
Id	SLU	SLE	SL	SHW	SFL	Area	Kind	Measurer	Meas.Date	Manufacture	Material	Comment				



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2020
Measurements
Datasheet



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UNION

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°