



ORC

Offshore Racing Congress
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**2020
ORC Club
Certificate**

Rating Office

**Offshore
Racing
Congress**



Certificate

Number **077/20**
Issued On **30/09/2020**
ORC Ref **02920000R6N**
VPP Ver. **2020 1.02**
Valid until **31/12/2020**

Crew Weight

Default 588kg
Maximum **600kg**
Minimum* **450kg**
**when applied by the NoR and SI*
Non Manual Pwr **No**

Special Scoring

	ToD	ToT
Non Spin GPH	668.8	0.8971
Non Spin OSN	648.9	0.9246

Sails Limitations

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

Spinnaker configuration
Symmetric: **Yes 92.00**
Asymmetric: **Yes 88.57**
Flying H/S: **No**
Spin. Pole: **Yes**

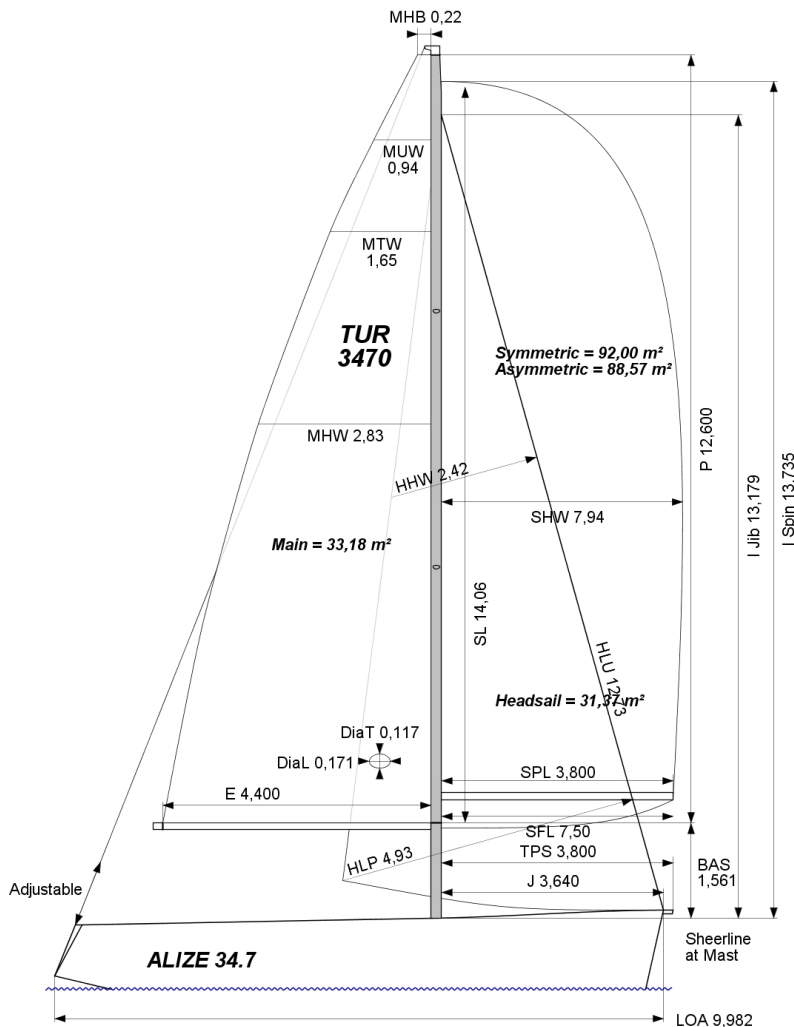
Class Division Length

CDL = 8.665

Stability (Estimated)

Limit Positive Stab.: **126.9°**
Stability Index: **126.4**

Owner



BOAT Name ALIZE 34.7 Sail Nr TUR-3470	GPH 633.2	HULL Data File TUR3470 LOA 9.982m Offset File F235.OFF MB 3.372m Displacement 4,581kg Draft 1.999m
CLASS Class FIRST 34.7 Designer FARR BRUCE Builder BENETEAU Series 02/2005 Age Date 02/2008 Age Allowance 0.487%		IMS Division Cruiser/Racer Dynamic All. 0.097% Plan Review Construction Solid Fiber Rigging No Aramid Core No Crew Arm Ex Carbon Rudder No Light Stanchions No
COMMENTS		IMSL 9.085m VCGD -0.090m Sink 16.36kg/mm RL 8.252m VCGM -0.073m WS 22.05m² LSM0 8.953m Displacement/Length ratio 6.3834
PROPELLER Installation Strut PRD Type Folding 2 blades PIPA 0.0033		Water Ballast 0 Trim Tab No BLR Index 0.0000
		CENTERBOARD N/A

SCORING OPTIONS	COASTAL / LONG DISTANCE			WINDWARD / LEEWARD		
	Time on Distance	616.2			686.2	
Time on Time	0.9737			0.9837		
Triple Number	Low	Medium	High	Low	Medium	High
Time on Distance	721.5	561.7	505.0	932.1	687.4	603.8
Time on Time	0.9356	1.2017	1.3366	0.7242	0.9820	1.1179

2020

ORC Club Certificate Appendix

BOAT	
Name	ALIZE 34.7
Sail Nr	TUR-3470
Certificate Number	077/20
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TIME ALLOWANCES							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	1067.8	887.4	781.7	735.1	719.1	713.2	714.4
52°	698.9	590.6	538.3	517.7	510.2	506.9	506.7
60°	660.3	564.7	524.5	506.1	496.7	492.7	490.9
75°	632.3	547.3	514.5	495.3	480.8	470.4	462.7
90°	636.9	538.6	503.3	488.5	474.8	458.2	434.8
110°	629.3	530.9	495.4	470.3	448.1	435.1	414.8
120°	648.4	541.0	500.4	473.0	446.7	424.4	394.0
135°	716.9	583.4	519.5	489.7	463.4	437.4	388.3
150°	853.9	681.7	574.4	518.1	490.7	466.4	419.5
Run VMG	986.0	787.2	663.2	585.7	534.2	502.1	455.2
Selected Courses							
Windward / Leeward	1026.9	837.3	722.5	660.4	626.6	607.6	584.8
Circular Random	867.3	702.2	614.5	564.2	533.8	514.2	489.4
Coastal / Long Distance	1022.8	786.2	653.7	581.8	544.6	515.0	467.1
Non Spinnaker	930.8	747.3	648.1	590.4	555.3	532.7	504.9

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°	41.3°	40.5°	39.0°	39.0°	38.6°	39.0°
Beat VMG	3.37	4.06	4.61	4.90	5.01	5.05	5.04
52°	5.15	6.10	6.69	6.95	7.06	7.10	7.10
60°	5.45	6.37	6.86	7.11	7.25	7.31	7.33
75°	5.69	6.58	7.00	7.27	7.49	7.65	7.78
90°	5.65	6.68	7.15	7.37	7.58	7.86	8.28
110°	5.72	6.78	7.27	7.66	8.03	8.27	8.68
120°	5.55	6.65	7.19	7.61	8.06	8.48	9.14
135°	5.02	6.17	6.93	7.35	7.77	8.23	9.27
150°	4.22	5.28	6.27	6.95	7.34	7.72	8.58
Run VMG	3.65	4.57	5.43	6.15	6.74	7.17	7.91
Gybe Angles	145.5°	149.5°	150.0°	159.0°	180.0°	180.0°	180.0°