



ORC
Offshore Racing Congress
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2020
ORC Club
Certificate

Rating Office

Offshore
Racing
Congress



Certificate

Number **084/20**
Issued On **01/10/2020**
ORC Ref **02920000RAC**
VPP Ver. **2020 1.02**
Valid until **31/12/2020**

Crew Weight

Default 947kg
Maximum **800kg**
Minimum* **600kg**
**when applied by the NoR and SI*
Non Manual Pwr **No**

Special Scoring

	ToD	ToT
Non Spin GPH	576.2	1.0413
Non Spin OSN	562.1	1.0675

Sails Limitations

Headsails **7** Spinnakers **5**

Spinnaker configuration
Symmetric: **Yes 162.09**
Asymmetric: **No**
Flying H/S: **No**
Spin. Pole: **Yes**

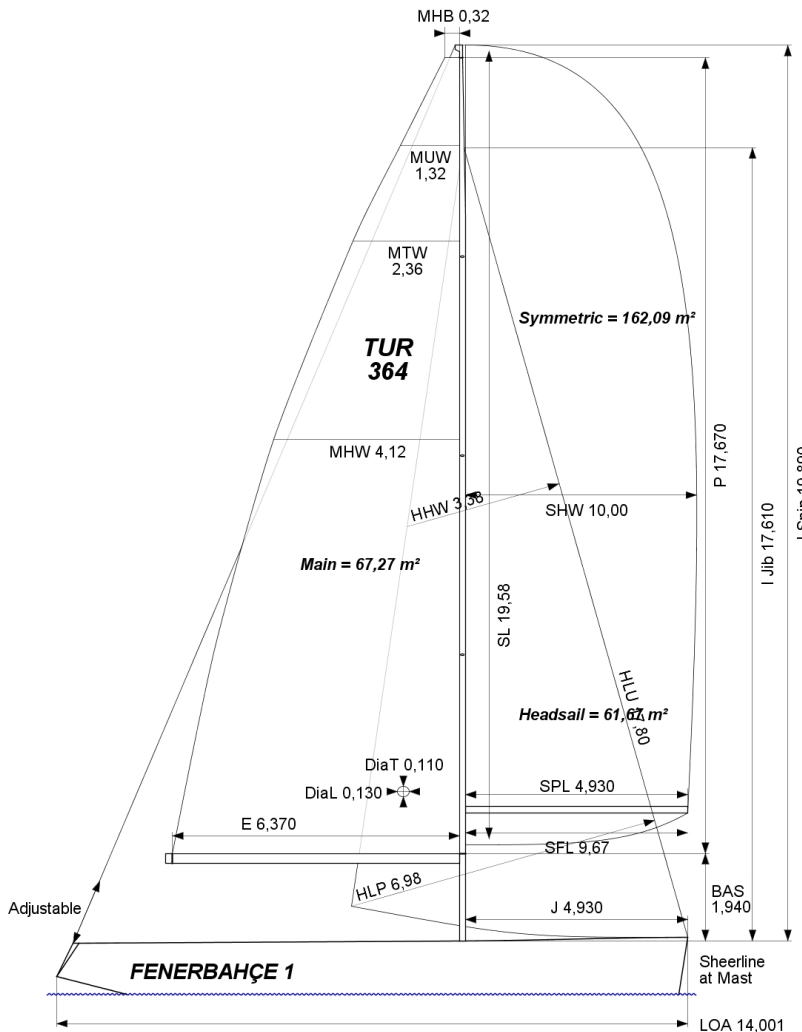
Class Division Length

CDL = 11.920

Stability (Estimated)

Limit Positive Stab.: **130.0°**
Stability Index: **135.9**

Owner



BOAT	GPH	HULL
Name Fenerbahçe 1 Sail Nr TUR-364	547.6	Data File TUR364 LOA 14.001m Offset File stimson46.off MB 4.220m Displacement 11,159kg Draft 2.512m
CLASS Class STIMSON 46 Designer Builder Series 01/2000 Age Date 01/2000 Age Allowance 0.487%		IMS Division Dynamic All. 0.000% Plan Review Construction Fiber Rigging No Aramid Core No Crew Arm Ex Carbon Rudder No Light Stanchions No
COMMENTS		IMSL 12.594m VCGD -0.333m Sink 27.55kg/mm RL 11.245m VCGM -0.292m WS 38.93m² LSM0 12.507m Displacement/Length ratio 5.7038
PROPELLER Installation Shaft exposed PRD Type Folding 3 blades PIPA 0.0000		Water Ballast 0 Trim Tab No BLR Index 0.0000
		CENTERBOARD N/A
SCORING OPTIONS		
	COASTAL / LONG DISTANCE	WINDWARD / LEEWARD
Time on Distance	533.2	594.5
Time on Time	1.1253	1.1354
Triple Number	Low Medium High	Low Medium High
Time on Distance	623.6 486.5 434.2	805.0 598.9 518.3
Time on Time	1.0825 1.3875 1.5545	0.8385 1.1271 1.3023

2020

ORC Club Certificate Appendix

BOAT	
Name	Fenerbahçe 1
Sail Nr	TUR-364
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TIME ALLOWANCES							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	898.9	746.7	666.6	629.7	611.2	600.8	588.4
52°	591.6	498.2	457.4	441.5	434.1	429.7	425.6
60°	559.6	477.0	445.1	430.8	422.8	417.9	412.7
75°	534.3	463.3	436.1	421.2	409.6	400.1	389.9
90°	539.4	465.2	436.1	419.4	405.5	392.5	370.8
110°	566.0	468.7	431.3	411.1	397.8	387.0	367.7
120°	580.1	476.9	434.9	412.4	391.9	374.3	353.5
135°	639.9	519.5	454.8	426.4	405.6	384.2	343.6
150°	756.6	606.7	513.6	457.7	429.3	409.5	369.8
Run VMG	873.6	700.6	593.1	523.8	479.7	444.4	403.4
Selected Courses							
Windward / Leeward	886.3	723.7	629.8	576.7	545.4	522.6	495.9
Circular Random	750.2	607.5	531.6	487.7	460.6	442.3	418.2
Coastal / Long Distance	885.0	680.2	568.5	504.6	470.4	443.3	401.9
Non Spinnaker	801.2	644.0	558.7	508.4	476.8	455.5	427.7

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°	38.3°	38.1°	37.1°
Beat VMG	4.00	4.82	5.40	5.72	5.89	5.99	6.12
52°	6.09	7.23	7.87	8.15	8.29	8.38	8.46
60°	6.43	7.55	8.09	8.36	8.51	8.61	8.72
75°	6.74	7.77	8.25	8.55	8.79	9.00	9.23
90°	6.67	7.74	8.25	8.58	8.88	9.17	9.71
110°	6.36	7.68	8.35	8.76	9.05	9.30	9.79
120°	6.21	7.55	8.28	8.73	9.19	9.62	10.18
135°	5.63	6.93	7.92	8.44	8.88	9.37	10.48
150°	4.76	5.93	7.01	7.86	8.38	8.79	9.73
Run VMG	4.12	5.14	6.07	6.87	7.51	8.10	8.92
Gybe Angles	144.0°	147.0°	148.5°	154.5°	163.0°	180.0°	180.0°