



ORC
Offshore Racing Congress
World leader in rating technology

**2020
ORC Club
Certificate**

Rating Office

**Offshore
Racing
Congress**



Certificate

Number **091/20**
Issued On **09/10/2020**
ORC Ref **02920000RPS**
VPP Ver. **2020 1.02**
Valid until **31/12/2020**

Crew Weight

Default 703kg
Maximum **680kg**
Minimum* **510kg**
**when applied by the NoR and SI*
Non Manual Pwr **No**

Special Scoring

	ToD	ToT
Non Spin GPH	590.9	1.0154
Non Spin OSN	575.5	1.0425

Sails Limitations

Headsails **6** Spinnakers **4**

Asymmetric on centerline

Spinnaker configuration
Symmetric: **No**
Asymmetric: **Yes 143.90**
Flying H/S: **No**
Spin. Pole: **No**

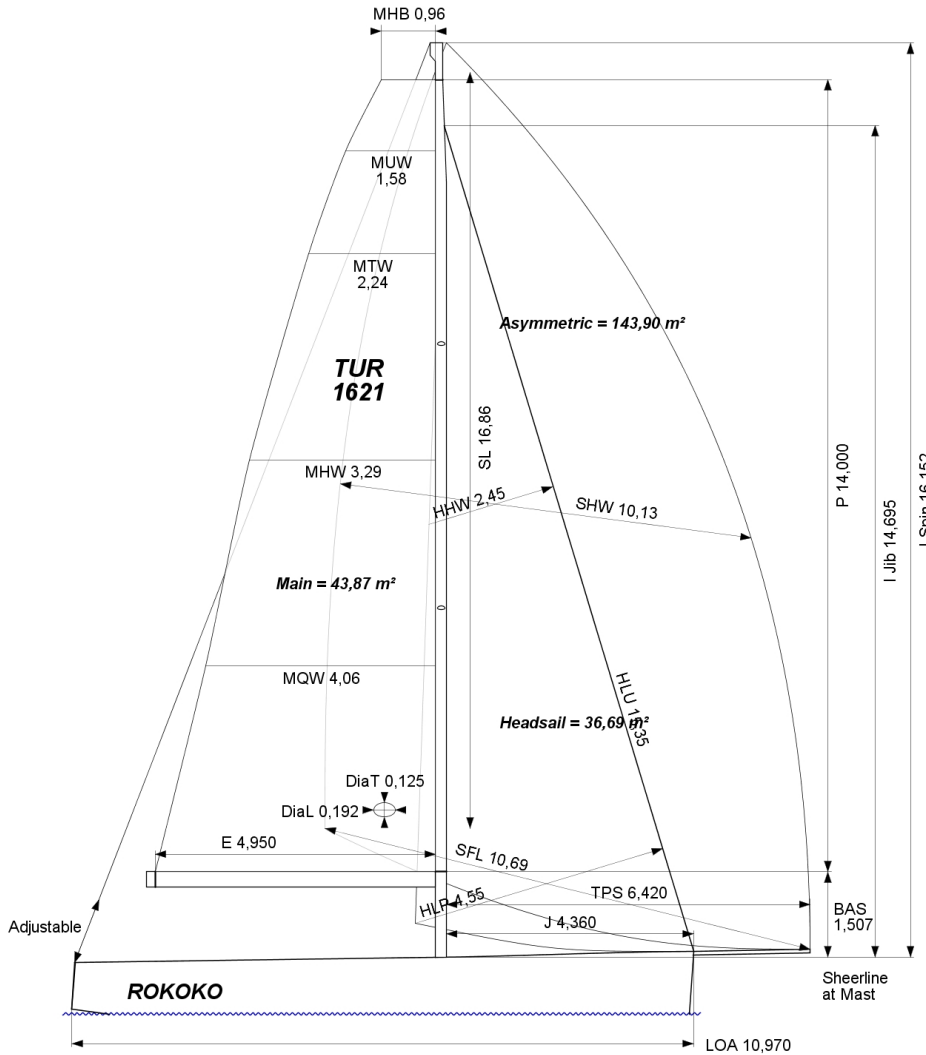
Class Division Length

CDL = 10.741

Stability (Estimated)

Limit Positive Stab.: **141.2°**
Stability Index: **138.7**

Owner



BOAT		GPH	HULL			
Name ROKOKO Sail Nr TUR-1621		551.0	Data File tur1621	LOA 10.970m		
			Offset File BOLD_s17.off	MB 3.464m		
			Displacement 4,222kg	Draft 2.621m		
			IMS Division Performance	Dynamic All. 0.000%		
			Plan Review	Construction Cored		
			Fiber Rigging No	Aramid Core No		
			Crew Arm Ex	Carbon Rudder Yes		
				Light Stanchions No		
			IMSL 10.535m	VCGD -0.700m	Sink 17.91kg/mm	
			RL 10.956m	VCGM -0.732m	WS 24.11m²	
			LSM0 10.149m	Displacement/Length ratio 4.0388		
			Water Ballast 0	Trim Tab No		
			BLR Index 0.0000			
CLASS		CENTERBOARD				
Class BOLT 37		N/A				
Designer JASON KER						
Builder CSC COMPOSITES						
Series 01/2013						
Age Date 01/2020						
Age Allowance 0.228%						
COMMENTS						
PROPELLER						
Installation Strut		PRD 0.400				
Type Folding 2 blades		PBW 0.102				
		PIPA 0.0033				
SCORING OPTIONS						
	COASTAL / LONG DISTANCE			WINDWARD / LEEWARD		
Time on Distance	535.6			603.0		
Time on Time	1.1203			1.1194		
Triple Number	Low	Medium	High	Low	Medium	High
Time on Distance	624.9	491.3	431.2	806.1	604.5	526.6
Time on Time	1.0801	1.3740	1.5655	0.8374	1.1167	1.2819

2020

ORC Club Certificate Appendix

BOAT	
Name	ROKOKO
Sail Nr	TUR-1621
Certificate Number	091/20
Issued On	09/10/2020

TIME ALLOWANCES							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	909.1	746.9	667.3	637.9	624.7	616.6	603.0
52°	599.3	506.0	474.4	460.3	453.3	448.9	437.4
60°	566.7	491.1	463.8	446.6	436.6	430.3	419.6
75°	541.7	481.4	454.5	430.4	411.2	400.2	389.5
90°	546.8	478.5	454.1	427.9	402.2	380.6	354.8
110°	545.9	470.0	433.2	409.4	391.4	372.9	339.7
120°	559.1	474.3	436.2	399.3	373.8	354.5	321.3
135°	635.2	502.9	457.5	421.3	384.3	347.0	286.0
150°	756.5	601.5	507.5	460.5	433.1	400.8	325.6
Run VMG	873.6	694.6	586.0	531.6	500.1	462.8	376.0
Selected Courses							
Windward / Leeward	891.3	720.7	626.6	584.8	562.4	539.7	489.5
Circular Random	753.6	611.2	535.4	490.8	461.6	439.8	404.6
Coastal / Long Distance	889.6	678.8	569.5	509.9	475.7	443.8	386.6
Non Spinnaker	823.7	661.4	573.1	520.4	486.4	462.5	428.3

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	42.0°	41.3°	38.3°	37.1°	36.4°	35.6°	35.3°
Beat VMG	3.96	4.82	5.40	5.64	5.76	5.84	5.97
52°	6.01	7.12	7.59	7.82	7.94	8.02	8.23
60°	6.35	7.33	7.76	8.06	8.25	8.37	8.58
75°	6.65	7.48	7.92	8.36	8.76	9.00	9.24
90°	6.58	7.52	7.93	8.41	8.95	9.46	10.15
110°	6.59	7.66	8.31	8.79	9.20	9.65	10.60
120°	6.44	7.59	8.25	9.02	9.63	10.16	11.20
135°	5.67	7.16	7.87	8.55	9.37	10.37	12.59
150°	4.76	5.98	7.09	7.82	8.31	8.98	11.06
Run VMG	4.12	5.18	6.14	6.77	7.20	7.78	9.58
Gybe Angles	143.0°	144.5°	148.5°	152.0°	148.5°	146.0°	142.5°