



2020
ORC Club
Certificate

Rating Office

Offshore
Racing
Congress



Certificate

Number **015/20**
Issued On **09/10/2020**
ORC Ref **02920000RPU**
VPP Ver. **2020 1.02**
Valid until **31/12/2020**

Crew Weight

Default 728kg
Maximum **700kg**
Minimum* **525kg**
**when applied by the NoR and SI*
Non Manual Pwr **No**

Special Scoring

	ToD	ToT
Non Spin GPH	656.9	0.9134
Non Spin OSN	635.8	0.9437

Sails Limitations

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

Asymmetric on centerline

Spinnaker configuration
Symmetric: **Yes** **105.39**
Asymmetric: **Yes** **92.02**
Flying H/S: **No**
Spin. Pole: **Yes**

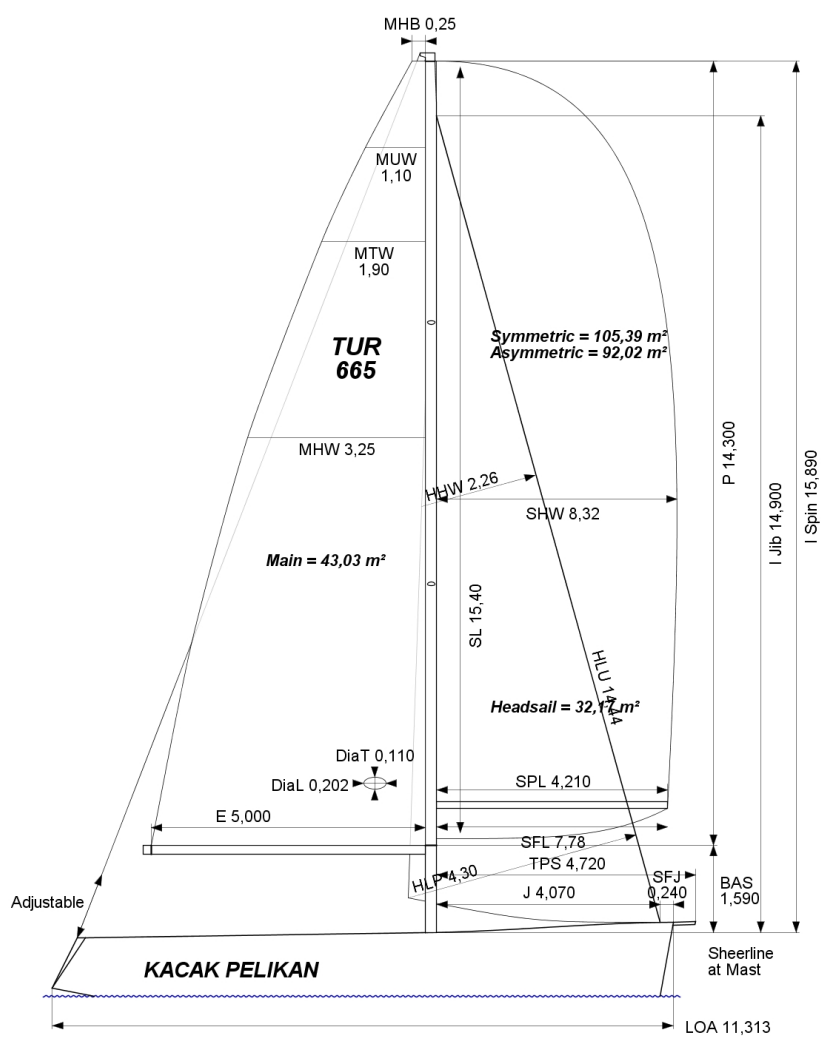
Class Division Length

CDL = 9.601

Stability (Estimated)

Limit Positive Stab.: **108.4°**
Stability Index: **112.6**

Owner



BOAT		GPH	HULL			
Name Kacak Pelikan Sail Nr TUR-665		619.5	Data File TUR665	LOA 11.313m		
			Offset File GS37BCBL.OFF	MB 3.658m		
			Displacement 7,402kg	Draft 2.158m		
			IMS Division Cruiser/Racer	Dynamic All. 0.249%		
			Plan Review	Construction Cored		
			Fiber Rigging No	Aramid Core No		
			Crew Arm Ex	Carbon Rudder No		
				Light Stanchions No		
			IMSL 10.506m	VCGD 0.079m		
			RL 8.709m	VCGM 0.164m		
			WS 28.73m²			
			LSM0 10.398m	Displacement/Length ratio 6.5841		
			Water Ballast 0	Trim Tab No		
			BLR Index 0.0000			
CLASS		CENTERBOARD				
Class Grand Soleil 37 BC		N/A				
Designer Botin/Carkeek						
Builder Del Pardo						
Series 01/2005						
Age Date 01/2006						
Age Allowance 0.487%						
COMMENTS						
PROPELLER						
Installation Strut	PRD 0.430					
Type Folding 3 blades	PBW 0.135					
	PIPA 0.0040					
SCORING OPTIONS						
	COASTAL / LONG DISTANCE			WINDWARD / LEEWARD		
Time on Distance	601.0			669.2		
Time on Time	0.9984			1.0087		
Triple Number	Low	Medium	High	Low	Medium	High
Time on Distance	713.3	547.9	487.9	920.5	674.5	580.2
Time on Time	0.9463	1.2320	1.3835	0.7333	1.0007	1.1634

2020

ORC Club Certificate Appendix

BOAT			
Name	Kacak Pelikan	Certificate Number	015/20
Sail Nr	TUR-665	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	1066.9	885.4	779.9	715.5	690.6	680.7	671.9
52°	695.2	589.7	527.4	498.9	487.3	482.9	480.3
60°	656.4	560.4	509.7	486.8	475.4	470.3	466.9
75°	628.3	538.0	497.0	477.0	463.8	454.1	444.5
90°	630.2	528.5	485.1	466.5	458.4	447.2	424.9
110°	625.2	520.2	478.6	456.9	439.3	422.9	404.7
120°	641.9	530.5	483.1	459.4	438.5	418.5	387.6
135°	706.8	577.1	505.1	473.6	452.4	431.4	390.5
150°	832.6	665.2	565.3	504.2	474.9	454.9	415.6
Run VMG	961.4	768.1	652.3	575.6	523.4	486.6	446.0
Selected Courses							
Windward / Leeward	1014.2	826.8	716.1	645.6	607.0	583.6	559.0
Circular Random	854.9	689.7	600.9	549.3	517.7	497.3	472.3
Coastal / Long Distance	1008.9	775.7	644.5	565.2	526.6	497.9	452.0
Non Spinnaker	922.8	737.6	636.2	576.2	539.0	515.0	486.1

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	43.1°	41.3°	40.9°	39.8°	39.0°	38.4°	38.3°
Beat VMG	3.37	4.07	4.62	5.03	5.21	5.29	5.36
52°	5.18	6.10	6.83	7.22	7.39	7.46	7.50
60°	5.48	6.42	7.06	7.40	7.57	7.65	7.71
75°	5.73	6.69	7.24	7.55	7.76	7.93	8.10
90°	5.71	6.81	7.42	7.72	7.85	8.05	8.47
110°	5.76	6.92	7.52	7.88	8.19	8.51	8.90
120°	5.61	6.79	7.45	7.84	8.21	8.60	9.29
135°	5.09	6.24	7.13	7.60	7.96	8.35	9.22
150°	4.32	5.41	6.37	7.14	7.58	7.91	8.66
Run VMG	3.74	4.69	5.52	6.25	6.88	7.40	8.07
Gybe Angles	145.0°	149.5°	151.0°	156.0°	173.0°	180.0°	180.0°