



ORC

Offshore Racing Congress
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**2020
ORC Club
Certificate**

Rating Office

**Offshore
Racing
Congress**



Certificate

Number **108151**
Issued On **11/08/2020**
ORC Ref **035100000C4**
VPP Ver. **2020 1.02**
Valid until **31/12/2020**

Crew Weight

Default 418kg
Maximum **380kg**
Minimum* **285kg**
**when applied by the NoR and SI*
Non Manual Pwr **No**

Special Scoring

	ToD	ToT
Non Spin GPH	755.6	0.7941
Non Spin OSN	728.1	0.8241

Sails Limitations

Headsails **5** Spinnakers **4**
Woven Polyester
Asymmetric on centerline
Spinnaker configuration
Symmetric: **No**
Asymmetric: **Yes 45.53**
Flying H/S: **No**
Spin. Pole: **No**

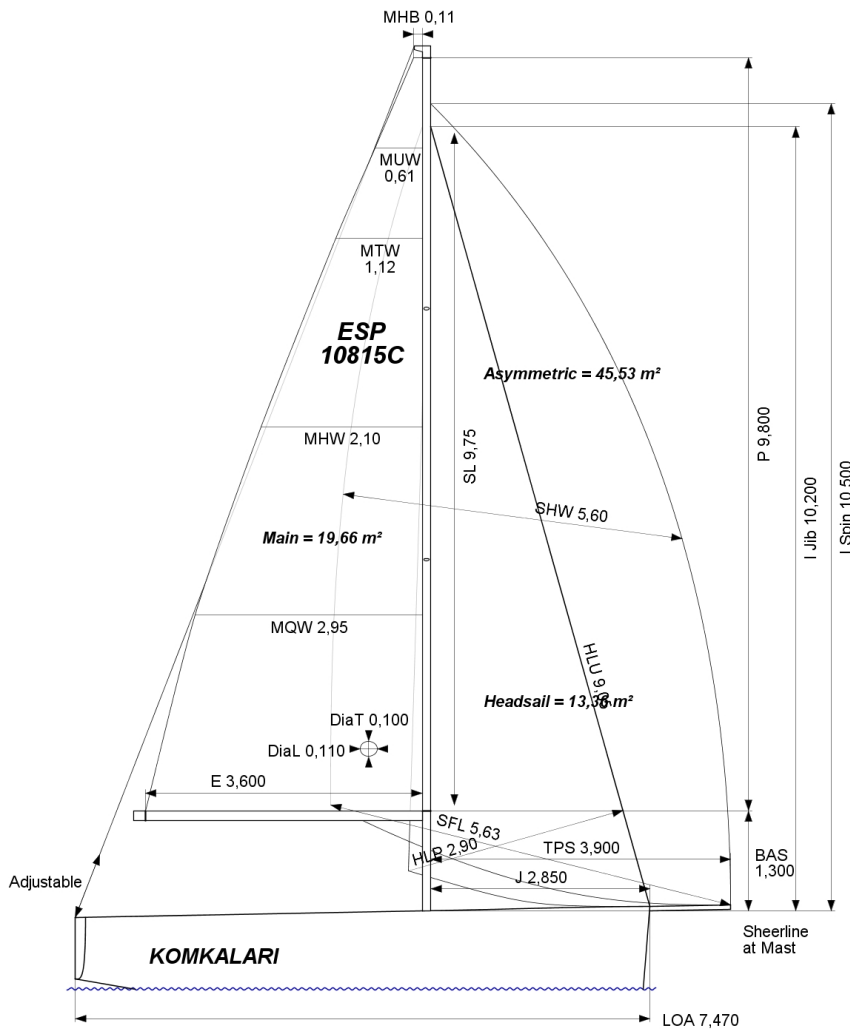
Class Division Length

CDL = 6.765

Stability (Estimated)

Limit Positive Stab.: **124.5°**
Stability Index: **117.3**

Owner



BOAT	GPH	HULL
Name KOMKALARI Sail Nr ESP-10815_C	710.1	Data File E10815_C LOA 7.470m Offset File yatlant26.off MB 2.932m Displacement 1,732kg Draft 1.563m
CLASS Class YATLANT 26 Designer J. GONZALEZ-CELA Builder YATLANT Series 12/2005 Age Date 08/2007 Age Allowance 0.487%		IMS Division Sportboat Dynamic All. 0.198% Plan Review Construction Solid Fiber Rigging No Aramid Core No Crew Arm Ex Carbon Rudder No Light Stanchions
COMMENTS		IMSL 7.217m VCGD -0.094m Sink 10.88kg/mm RL 6.321m VCGM -0.114m WS 13.75m² LSM0 7.044m Displacement/Length ratio 4.9555
PROPELLER Type No Propeller		Water Ballast 0 Trim Tab No BLR Index 0.0000
		CENTERBOARD N/A
SCORING OPTIONS		
	COASTAL / LONG DISTANCE	WINDWARD / LEEWARD
Time on Distance	690.3	780.0
Time on Time	0.8692	0.8653
Triple Number	Low Medium High	Low Medium High
Time on Distance	815.2 629.4 555.6	1057.2 782.8 686.8
Time on Time	0.8280 1.0724 1.2148	0.6385 0.8623 0.9828

2020

ORC Club Certificate Appendix

BOAT	
Name	KOMKALARI
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Sail Nr	ESP-10815_C
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TIME ALLOWANCES							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	1266.1	1045.3	917.6	839.9	805.4	802.8	825.7
52°	818.9	686.5	619.9	584.5	566.7	561.7	564.8
60°	770.2	650.3	597.7	569.7	549.7	540.0	539.7
75°	735.8	623.0	575.9	554.5	530.6	508.2	492.4
90°	692.1	591.2	548.9	519.5	505.3	492.1	454.7
110°	687.9	585.7	542.8	502.8	465.8	439.1	406.3
120°	710.3	597.8	551.3	511.7	473.8	434.0	371.1
135°	787.5	642.8	576.7	538.6	501.5	465.4	388.4
150°	924.9	735.8	631.5	583.7	554.1	526.4	459.5
Run VMG	1067.9	849.6	729.2	672.3	613.1	572.8	515.9
Selected Courses							
Windward / Leeward	1167.0	947.5	823.4	756.1	709.3	687.8	670.8
Circular Random	979.3	790.7	689.2	629.5	592.1	567.3	535.6
Coastal / Long Distance	1157.1	886.7	740.9	654.5	603.4	565.4	498.8
Non Spinnaker	1065.7	850.0	731.6	661.3	617.8	590.0	557.8

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	44.3°	43.1°	41.3°	40.1°	39.6°	39.8°	41.6°
Beat VMG	2.84	3.44	3.92	4.29	4.47	4.48	4.36
52°	4.40	5.24	5.81	6.16	6.35	6.41	6.37
60°	4.67	5.54	6.02	6.32	6.55	6.67	6.67
75°	4.89	5.78	6.25	6.49	6.78	7.08	7.31
90°	5.20	6.09	6.56	6.93	7.12	7.32	7.92
110°	5.23	6.15	6.63	7.16	7.73	8.20	8.86
120°	5.07	6.02	6.53	7.04	7.60	8.30	9.70
135°	4.57	5.60	6.24	6.68	7.18	7.73	9.27
150°	3.89	4.89	5.70	6.17	6.50	6.84	7.84
Run VMG	3.37	4.24	4.94	5.35	5.87	6.28	6.98
Gybe Angles	146.0°	148.0°	148.5°	151.0°	176.0°	177.5°	177.0°