



ORC

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**2020
ORC Club
Certificate**

Rating Office

**Offshore
Racing
Congress**



Certificate

Number **US6450**
Issued On **09/06/2020**
ORC Ref **03410000KBH**
VPP Ver. **2020 1.02**
Valid until **31/12/2020**

Crew Weight

Default 737kg
Maximum **737kg**
Minimum* **553kg**
**when applied by the NoR and SI*
Non Manual Pwr **No**

Special Scoring

	ToD	ToT
Non Spin GPH	641.2	0.9357
Non Spin OSN	621.2	0.9659

Sails Limitations

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

Asymmetric on centerline

Spinnaker configuration
Symmetric: **No**
Asymmetric: **Yes 148.82**
Flying H/S: **No**
Spin. Pole: **No**

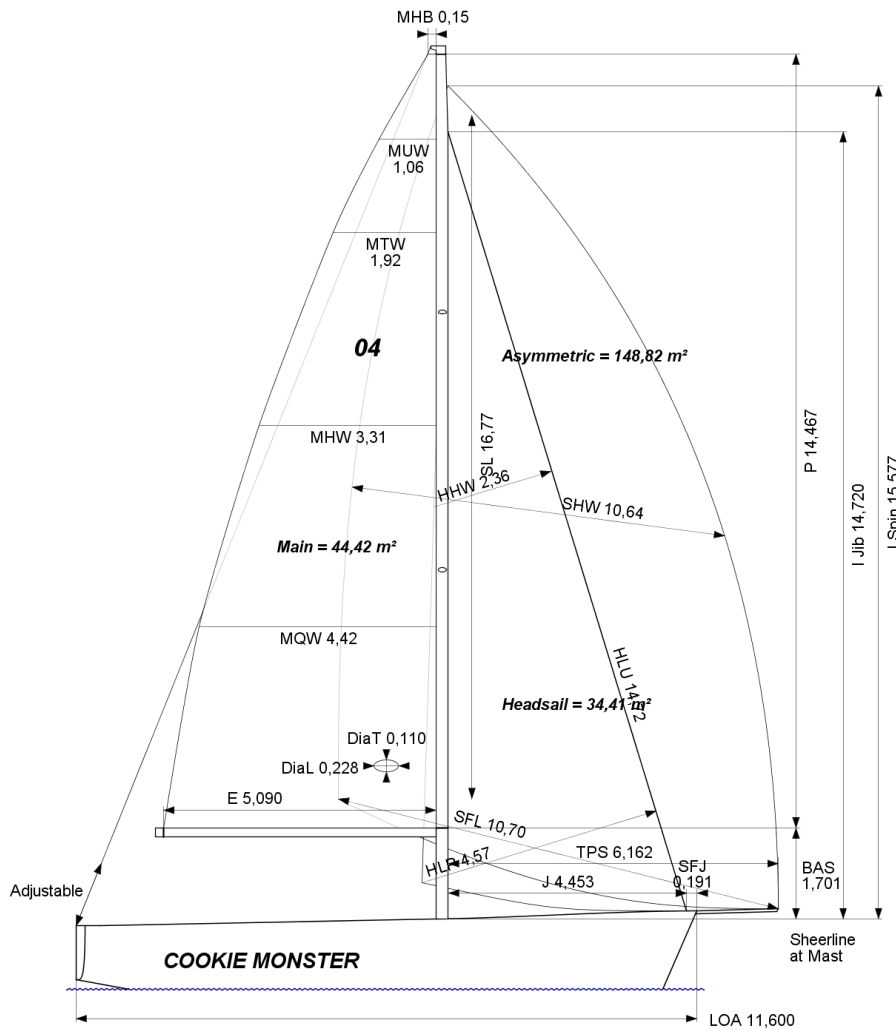
Class Division Length

CDL = 9.862

Stability (Measured)

Limit Positive Stab.: **123.7°**
Stability Index: **126.9**

Owner



BOAT	GPH	HULL
Name COOKIE MONSTER Sail Nr 04	594.0	Data File US6450 LOA 11.600m Offset File sal380SD.off MB 3.670m Displacement 6,939kg Draft 2.028m
CLASS Class Salona 380 Designer Cossutti Builder AB Ovo Salona Series 10/2015 Age Date 01/2016 Age Allowance 0.163%		IMS Division Cruiser/Racer Dynamic All. 0.210% Plan Review Construction Solid Fiber Rigging No Aramid Core No Crew Arm Ex Carbon Rudder No Light Stanchions No
COMMENTS		IMSL 10.659m VCGD 0.014m Sink 22.15kg/mm RL 9.080m VCGM -0.022m WS 28.49m² LSM0 10.495m Displacement/Length ratio 6.0027
PROPELLER Installation Strut PRD 0.432 Type Folding 2 blades PBW 0.115 PIPA 0.0034		Water Ballast 0 Trim Tab No BLR Index 0.0000
		CENTERBOARD N/A
SCORING OPTIONS		
	COASTAL / LONG DISTANCE	WINDWARD / LEEWARD
Time on Distance	579.3	653.4
Time on Time	1.0358	1.0330
Triple Number	Low Medium High	Low Medium High
Time on Distance	679.4 526.2 472.0	889.6 655.4 576.0
Time on Time	0.9935 1.2828 1.4302	0.7588 1.0299 1.1719

2020

ORC Club Certificate Appendix

BOAT			
Name	COOKIE MONSTER	Certificate Number	US6450
Sail Nr	04	Issued On	09/06/2020

TIME ALLOWANCES							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	1049.7	865.4	759.3	700.8	678.4	669.2	661.7
52°	679.7	571.5	511.7	485.3	473.6	469.2	467.0
60°	638.7	541.8	494.6	472.9	461.1	455.6	452.3
75°	583.5	499.8	470.1	457.1	448.4	437.3	426.2
90°	557.2	484.4	456.5	438.0	424.9	415.6	403.8
110°	573.7	489.7	455.3	432.8	414.3	394.7	365.5
120°	593.9	495.6	458.7	433.3	408.8	390.5	362.1
135°	669.1	534.7	475.9	449.0	424.3	399.9	352.1
150°	790.0	633.0	532.1	480.1	460.1	441.6	401.8
Run VMG	912.2	730.9	614.5	553.9	528.0	490.7	446.2
Selected Courses							
Windward / Leeward	981.0	798.1	686.9	627.3	603.2	579.9	554.0
Circular Random	815.8	659.5	576.2	528.4	499.4	480.4	455.8
Coastal / Long Distance	974.1	746.3	617.5	545.1	510.0	480.7	435.3
Non Spinnaker	903.2	720.7	620.8	561.6	524.9	500.9	471.4

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	43.5°	42.0°	41.3°	40.3°	39.4°	39.8°	39.4°
Beat VMG	3.43	4.16	4.74	5.14	5.31	5.38	5.44
52°	5.30	6.30	7.04	7.42	7.60	7.67	7.71
60°	5.64	6.64	7.28	7.61	7.81	7.90	7.96
75°	6.17	7.20	7.66	7.88	8.03	8.23	8.45
90°	6.46	7.43	7.89	8.22	8.47	8.66	8.92
110°	6.28	7.35	7.91	8.32	8.69	9.12	9.85
120°	6.06	7.26	7.85	8.31	8.81	9.22	9.94
135°	5.38	6.73	7.56	8.02	8.48	9.00	10.23
150°	4.56	5.69	6.77	7.50	7.82	8.15	8.96
Run VMG	3.95	4.93	5.86	6.50	6.82	7.34	8.07
Gybe Angles	144.0°	148.0°	147.5°	150.8°	152.5°	176.0°	178.0°