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2020
ORC Club
Certificate

Rating Office

Offshore
Racing
Congress



Certificate

Number **US6734**
Issued On **19/10/2020**
ORC Ref **03410000S6C**
VPP Ver. **2020 1.02**
Valid until **31/12/2020**

Crew Weight

Default 920kg
Maximum **920kg**
Minimum* **690kg**
**when applied by the NoR and SI*
Non Manual Pwr

Special Scoring

	ToD	ToT
Non Spin GPH	554.0	1.0830
Non Spin OSN	540.1	1.1109

Sails Limitations

Headsails 7 Spinnakers 5

Asymmetric on centerline

Spinnaker configuration
Symmetric: **No**
Asymmetric: **Yes 191.30**
Flying H/S: **Yes 96.40**
Spin. Pole: **No**

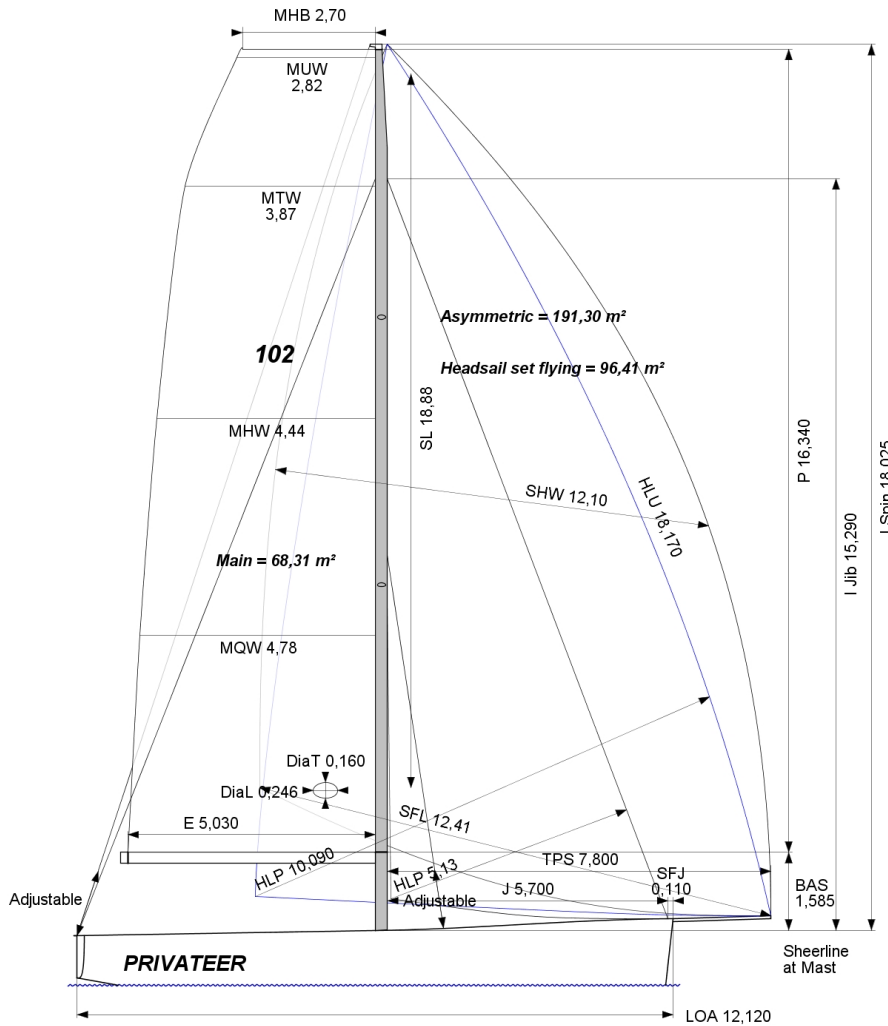
Class Division Length

CDL = 12.220

Stability (Measured)

Limit Positive Stab.: **110.7°**
Stability Index: **107.6**

Owner



BOAT	GPH	HULL
Name PRIVATEER Sail Nr 102	502.9	Data File US6734 LOA 12.120m Offset File 685Oakcliff2.off MB 4.492m Displacement 4,996kg Draft 3.007m
CLASS Class KIWI FC40 Designer FARR Builder COOKSON Series 01/2010 Age Date 01/2010 Age Allowance 0.325%		IMS Division Performance Dynamic All. 0.000% Plan Review Construction Cored Fiber Rigging Aramid Core Crew Arm Ex Carbon Rudder Light Stanchions
COMMENTS		IMSL 12.099m VCGD -0.145m Sink 28.47kg/mm RL 12.358m VCGM -0.165m WS 33.75m² LSM0 12.257m Displacement/Length ratio 2.7131
PROPELLER Installation Strut PRD 0.457 Type Folding 2 blades PIPA 0.0033		Water Ballast 0 Trim Tab BLR Index 0.0000
		CENTERBOARD N/A
SCORING OPTIONS		
	COASTAL / LONG DISTANCE	WINDWARD / LEEWARD
Time on Distance	492.0	559.2
Time on Time	1.2194	1.2071
Triple Number	Low Medium High	Low Medium High
Time on Distance	571.6 449.4 388.8	747.5 566.1 484.2
Time on Time	1.1809 1.5019 1.7360	0.9030 1.1924 1.3940

2020

ORC Club Certificate Appendix

BOAT			
Name	PRIVATEER	Certificate Number	US6734
Sail Nr	102	Issued On	19/10/2020

TIME ALLOWANCES							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	815.0	677.3	625.1	600.7	589.7	576.5	568.3
52°	524.3	455.8	436.2	424.6	417.0	415.3	401.5
60°	489.8	438.9	419.5	406.3	394.9	394.1	379.0
75°	465.9	421.3	392.3	375.7	364.0	355.0	346.6
90°	462.0	419.7	379.9	355.9	342.2	331.4	316.7
110°	496.2	440.6	396.6	366.4	336.2	309.9	283.2
120°	537.9	445.9	401.4	359.3	334.2	312.0	275.0
135°	607.5	475.3	427.1	387.3	342.1	303.9	253.9
150°	725.5	571.5	479.4	429.4	397.2	354.9	284.8
Run VMG	837.8	659.9	553.6	496.5	458.7	409.8	328.9
Selected Courses							
Windward / Leeward	826.4	668.6	589.3	548.6	524.2	493.2	448.6
Circular Random	688.4	558.8	489.0	447.0	418.6	397.4	365.5
Coastal / Long Distance	827.5	628.7	529.5	469.5	434.7	400.4	345.0
Non Spinnaker	782.8	624.2	536.8	483.7	448.9	424.0	389.0

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°	42.0°	39.0°	38.3°	37.1°	36.4°	36.4°
Beat VMG	4.42	5.31	5.76	5.99	6.10	6.24	6.33
52°	6.87	7.90	8.25	8.48	8.63	8.67	8.97
60°	7.35	8.20	8.58	8.86	9.12	9.14	9.50
75°	7.73	8.54	9.18	9.58	9.89	10.14	10.39
90°	7.79	8.58	9.48	10.11	10.52	10.86	11.37
110°	7.26	8.17	9.08	9.83	10.71	11.62	12.71
120°	6.69	8.07	8.97	10.02	10.77	11.54	13.09
135°	5.93	7.57	8.43	9.30	10.52	11.85	14.18
150°	4.96	6.30	7.51	8.38	9.06	10.14	12.64
Run VMG	4.30	5.46	6.50	7.25	7.85	8.78	10.95
Gybe Angles	142.0°	140.0°	147.5°	152.0°	148.8°	144.8°	140.0°