



ORC
Offshore Racing Congress
World leader in rating technology

2020
ORC Club
Certificate

Rating Office

Offshore
Racing
Congress

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Invalid for
Racing
World Leader In Rating Technology

Certificate

Number **US6097**
Issued On **03/12/2020**
ORC Ref **03410000T68**
VPP Ver. **2020 1.02**
Valid until **31/12/2020**

Crew Weight

Default 920kg
Maximum **880kg**
Minimum* **660kg**
**when applied by the NoR and SI*
Non Manual Pwr **No**

Special Scoring

ToD ToT
Non Spin GPH **594.2 1.0098**
Non Spin OSN **579.6 1.0351**

Sails Limitations

Headsails **6** Spinnakers **4**
Asymmetric on centerline
Spinnaker configuration
Symmetric: **No**
Asymmetric: **Yes 175.48**
Flying H/S: **No**
Spin. Pole: **No**

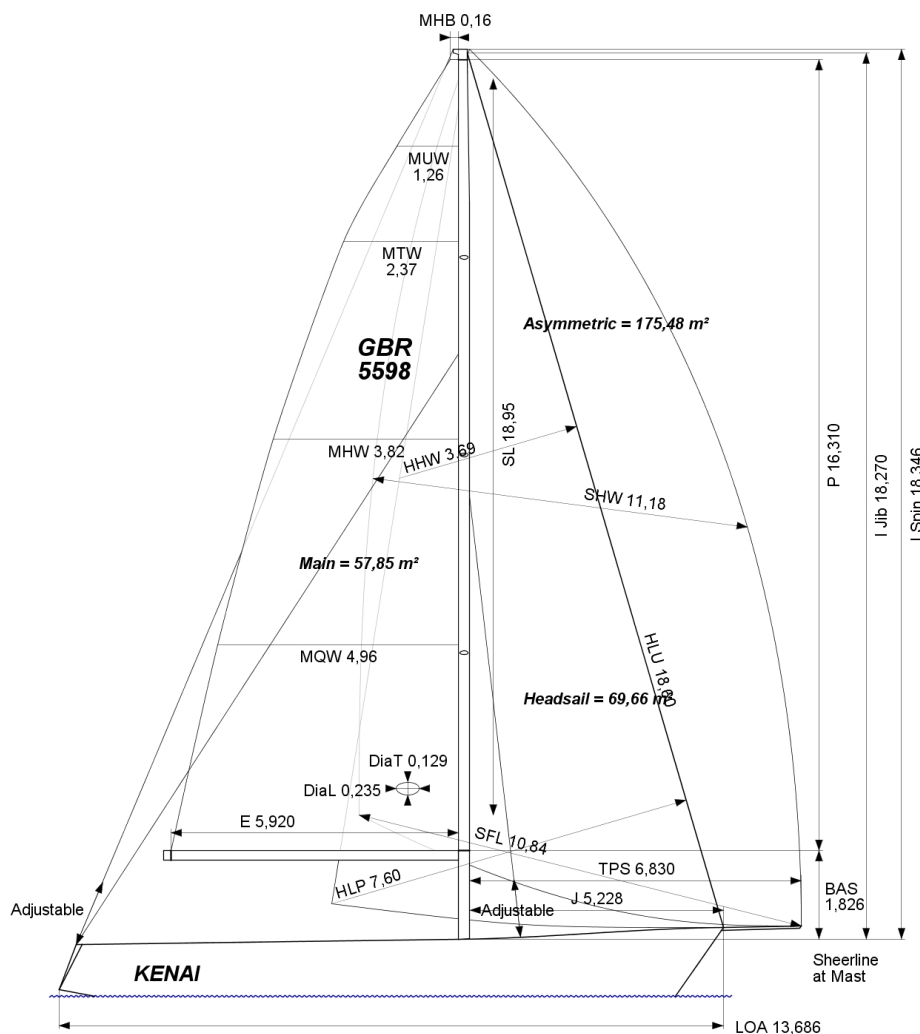
Class Division Length

CDL = 11.492

Stability (Measured)

Limit Positive Stab.: **112.0°**
Stability Index: **117.1**

Owner



BOAT		GPH	HULL	
Name	KENAI	562.4	Data File	US6097
Sail Nr	GBR 5598		LOA	13.686m
CLASS			Offset File	US19585A.OFF
Class	J-44		MB	4.206m
Designer	JOHNSTONE		Displacement	10,516kg
Builder	TILL-PEARSON		Draft	2.464m
Series	05/1989, CIN 43		IMS Division	Cruiser/Racer
Age Date	05/1991		Dynamic All.	0.018%
Age Allowance	0.487%		Plan Review	Construction
COMMENTS			Fiber Rigging	No
PROPELLER			Crew Arm Ex	0.00
Installation	Shaft exposed	PRD		Aramid Core
Type	Feathering 3 blades	PBW		Carbon Rudder
		PIPA		Yes
			Light Stanchions	
			IMSL	12.188m
			VCGD	0.022m
			Sink	29.42kg/mm
			RL	10.797m
			VCGM	0.001m
			WS	39.44m²
			LSM0	12.251m
			Displacement/Length ratio	5.7192
			Water Ballast	0
			Trim Tab	No
			BLR Index	0.0000
			CENTERBOARD	
			N/A	

SCORING OPTIONS						
	COASTAL / LONG DISTANCE			WINDWARD / LEEWARD		
	Low	Medium	High	Low	Medium	High
Time on Distance						
Time on Time						
Triple Number						
Time on Distance						
Time on Time						

2020

ORC Club Certificate Appendix

BOAT			
Name	KENAI	Certificate Number	US6097
Sail Nr	GBR 5598	Issued On	03/12/2020

TIME ALLOWANCES							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	925.2	764.5	679.9	642.6	624.7	613.9	601.9
52°	607.8	510.5	467.8	453.4	447.0	443.4	440.2
60°	575.0	489.6	456.1	442.6	436.3	432.5	428.8
75°	550.4	476.4	447.7	432.8	422.5	415.9	408.8
90°	541.4	464.5	437.3	422.2	411.4	403.1	386.9
110°	558.3	471.9	438.9	418.5	399.3	382.5	359.2
120°	587.6	488.7	444.7	421.7	400.7	381.7	353.2
135°	669.1	535.2	466.0	436.2	414.8	392.9	351.5
150°	794.6	631.7	530.3	471.4	445.4	428.6	395.9
Run VMG	917.5	729.4	612.4	544.3	513.2	482.3	433.0
Selected Courses							
Windward / Leeward	921.4	747.0	646.2	593.5	568.9	548.1	517.4
Circular Random	770.8	623.5	545.6	501.2	474.3	456.7	432.9
Coastal / Long Distance	921.0	701.3	582.3	517.0	485.0	458.6	415.9
Non Spinnaker	828.2	664.7	575.9	523.7	491.2	469.8	443.1

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	42.8°	41.3°	40.7°	39.0°	37.9°	37.3°	36.8°
Beat VMG	3.89	4.71	5.29	5.60	5.76	5.86	5.98
52°	5.92	7.05	7.70	7.94	8.05	8.12	8.18
60°	6.26	7.35	7.89	8.13	8.25	8.32	8.40
75°	6.54	7.56	8.04	8.32	8.52	8.65	8.81
90°	6.65	7.75	8.23	8.53	8.75	8.93	9.30
110°	6.45	7.63	8.20	8.60	9.01	9.41	10.02
120°	6.13	7.37	8.10	8.54	8.98	9.43	10.19
135°	5.38	6.73	7.73	8.25	8.68	9.16	10.24
150°	4.53	5.70	6.79	7.64	8.08	8.40	9.09
Run VMG	3.92	4.94	5.88	6.61	7.02	7.46	8.31
Gybe Angles	143.0°	147.0°	147.0°	149.9°	151.0°	175.0°	178.0°