



World Leader in Rating Technology

2019 (Test) ORC Club One Design Certificate

Rating Office

Certificate

Number **UFO22**
 Issued On **15/01/2019**
 ORC Ref **N/A**
 VPP Ver. **2019 1.01**

Invalid for Racing

Crew Weight

Default 329kg
 Maximum **250kg**
 Minimum* **165kg**
*when applied by the NoR and SI
 Non Manual Pwr **No**

Special Scoring

	ToD	ToT
Non Spin GPH	724.4	0.8283
Non Spin OSN	704.3	0.8519

Sails Limitations

Headsails **5** Spinnakers **3**

Asymmetric on centerline

Spinnaker configuration
 Symmetric: **No**
 Asymmetric: **Yes 49.96**
 Flying H/S: **No**
 Spin. Pole: **No**

Class Division Length

CDL = **6.227**

Stability (Estimated)

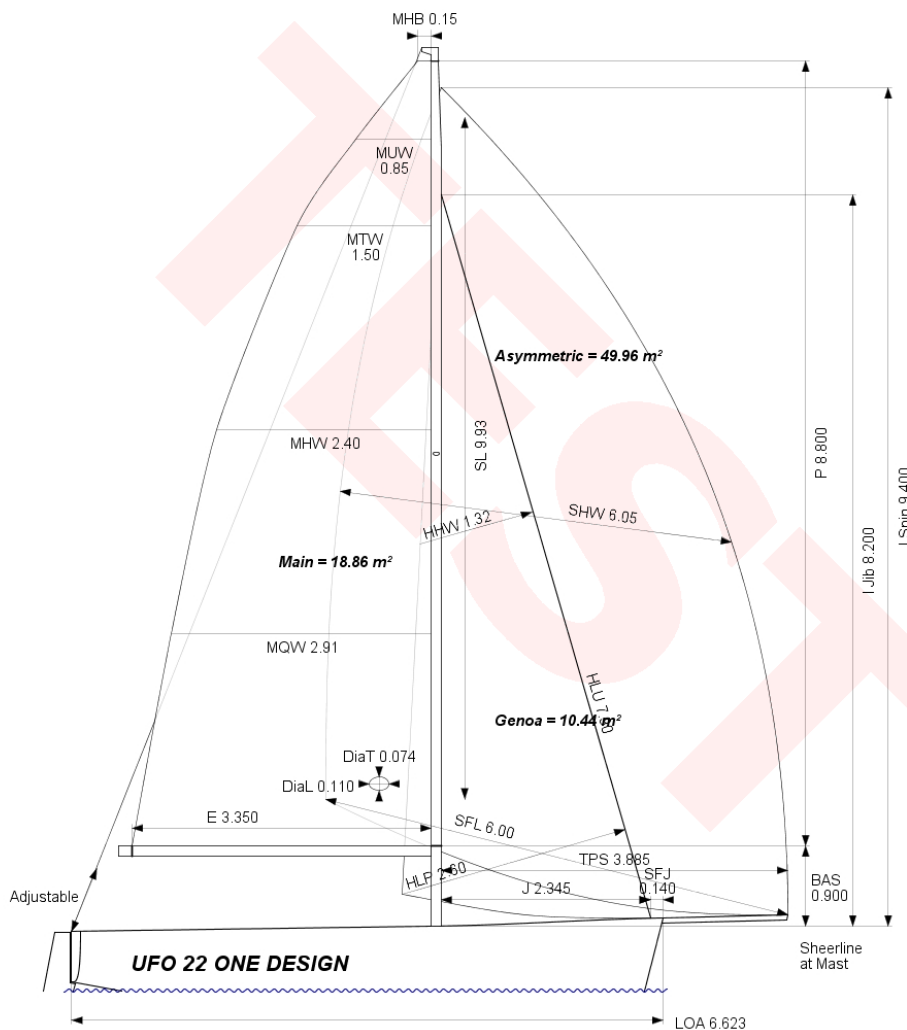
Limit Positive Stab.: **105.5°**
 Stability Index: **96.5**

Owner

UFO BOAT

I certify that I understand my responsibilities under ORC Rules and Regulations

Signature



BOAT		GPH		HULL			
Name	UFO 22 ONE DESIGN		679.5	Data File	ufo22 LOA 6.623m		
Sail Nr				Offset File	UFO22.OD MB 2.542m		
CLASS				Displacement	733kg Draft 1.578m		
Class	UFO 22			IMS Division	Sportboat Dynamic All. 0.000%		
Designer	FELCI			Fwd Accom.	No Construction Cored		
Builder	UFO BOAT			Fiber Rigging	No Aramid Core No		
Series	06/1997			Crew Arm Ex	No Carbon Rudder No		
Age Date					Light Stanchions No		
Age Allowance	0.487%			IMSL	6.196m VCGD -0.110m Sink 6.66kg/mm		
COMMENTS				RL	6.257m VCGM 0.035m WS 8.88m²		
Weight with outboard engine				LSM0	5.957m Displacement/Length ratio 3.4675		
PROPELLER				Water Ballast	0 Trim Tab No		
Type No Propeller				BLR Index	0.0000		
SCORING OPTIONS				CENTERBOARD			
				N/A			
		COASTAL / LONG DISTANCE			WINDWARD / LEEWARD		
Time on Distance		665.2			752.0		
Time on Time		0.9020			0.8976		
Triple Number		Low	Medium	High	Low	Medium	High
Time on Distance		747.0	614.6	544.0	948.6	760.2	666.5
Time on Time		0.9036	1.0982	1.2407	0.7116	0.8879	1.0128



2019 (Test)

ORC Club Certificate Appendix

BOAT			
Name	UFO 22 ONE DESIGN	Certificate Number	UFO22
Sail Nr		Issued On	15/01/2019

TIME ALLOWANCES								
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt	
Beat VMG	1098.8	917.3	856.1	844.2	845.6	837.4	853.1	
52°	727.5	636.1	608.5	600.4	597.6	591.8	588.5	
60°	691.2	620.7	590.2	577.4	571.7	569.3	556.6	
75°	667.7	608.3	568.6	540.0	527.4	521.2	505.3	
90°	650.4	596.6	565.2	525.0	493.2	475.9	462.5	
110°	642.7	573.5	528.3	502.4	477.5	455.8	407.4	
120°	656.1	581.3	521.4	478.5	450.1	428.8	379.4	
135°	724.5	614.8	554.7	498.6	442.6	389.2	319.1	
150°	853.6	686.6	611.5	562.5	512.7	460.0	324.4	
Run VMG	985.6	792.8	705.6	649.5	592.0	531.1	374.6	

Selected Courses								
Windward / Leeward	1042.2	855.0	780.9	746.9	718.8	684.3	613.8	
Circular Random	906.5	745.8	662.1	613.2	580.2	554.1	509.8	
Coastal / Long Distance	1036.5	808.3	708.4	645.9	602.7	560.6	481.7	
Non Spinnaker	988.0	802.0	703.6	646.7	610.7	585.4	549.4	

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	41.9°	40.2°	38.3°	38.1°	38.6°	38.6°	40.4°	
Beat VMG	3.28	3.92	4.21	4.26	4.26	4.30	4.22	
52°	4.95	5.66	5.92	6.00	6.02	6.08	6.12	
60°	5.21	5.80	6.10	6.24	6.30	6.32	6.47	
75°	5.39	5.92	6.33	6.67	6.83	6.91	7.12	
90°	5.54	6.03	6.37	6.86	7.30	7.56	7.78	
110°	5.60	6.28	6.81	7.17	7.54	7.90	8.84	
120°	5.49	6.19	6.90	7.52	8.00	8.40	9.49	
135°	4.97	5.86	6.49	7.22	8.13	9.25	11.28	
150°	4.22	5.24	5.89	6.40	7.02	7.83	11.10	
Run VMG	3.65	4.54	5.10	5.54	6.08	6.78	9.61	
Gybe Angles	144.8°	149.2°	150.9°	148.0°	144.9°	143.5°	143.7°	