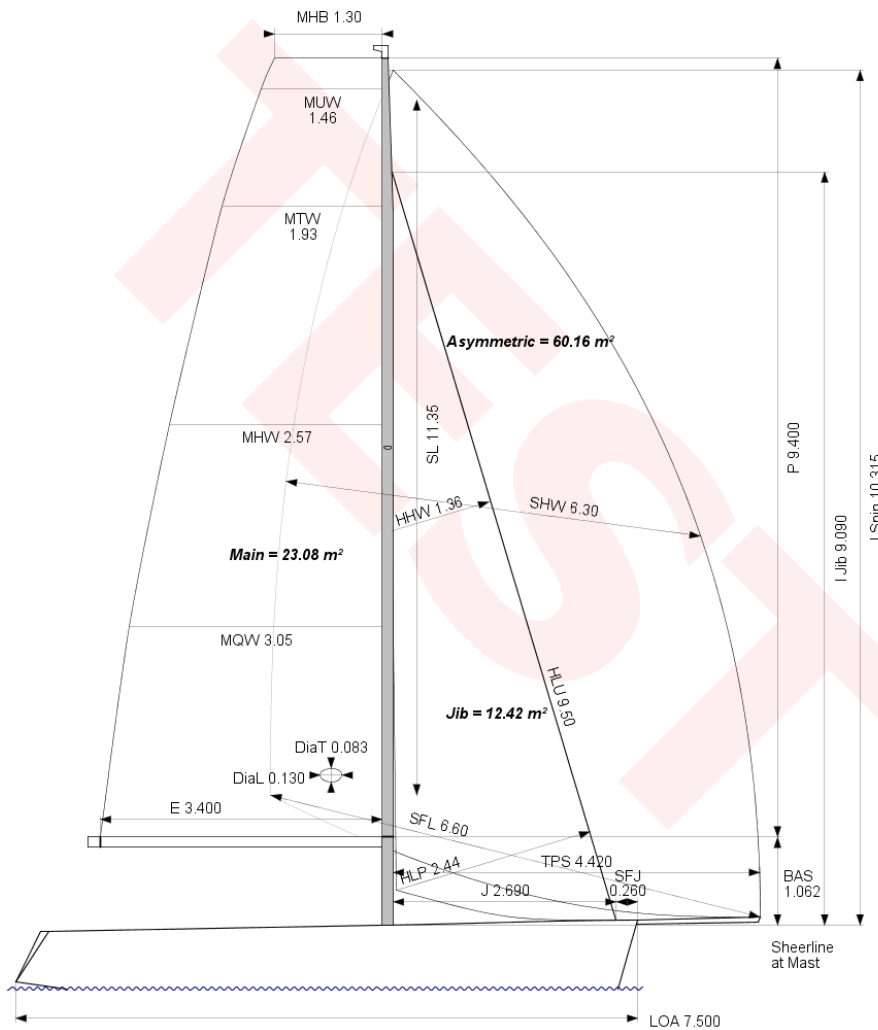




World Leader in Rating Technology

2019 (Test) ORC Club One Design Certificate



Rating Office

Certificate

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

Invalid for Racing

Crew Weight

Default 385kg
Maximum **230kg**
Minimum* **145kg**
**when applied by the NoR and SI*
Non Manual Pwr **No**

Special Scoring

	ToD	ToT
Non Spin GPH	681.2	0.8808
Non Spin OSN	665.2	0.9019

Sails Limitations

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

Asymmetric on centerline

Spinnaker configuration
Symmetric: **No**
Asymmetric: **Yes 60.16**
Flying H/S: **No**
Spin. Pole: **No**

Class Division Length

CDL = **7.042**

Stability (Estimated)

Limit Positive Stab.: **128.1°**
Stability Index: **123.5**

Owner

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

Signature

BOAT		GPH		HULL		
Name			639.3	Data File	S750	
Sail Nr				Offset File	S750.OD	
CLASS				Displacement	1,005kg	
Class	Esse 750			LOA	7.500m	
Designer	U.Felci			MB	2.066m	
Builder	Proteus Yachts			Draft	1.722m	
Series	01/2011			IMS Division	Sportboat	
Age Date				Dynamic All.	0.001%	
Age Allowance	0.260%			Fwd Accom.	No	
COMMENTS				Fiber Rigging	No	
Based on Class Rules Weight with outboard engine				Crew Arm Ex	0.50	
PROPELLER				Carbon Rudder	Yes	
Type No Propeller				Light Stanchions	No	
SCORING OPTIONS				IMSL	7.254m	
				VCGD	-0.307m	
				Sink	8.27kg/mm	
				RL	6.830m	
				VCGM	-0.304m	
				WS	10.93m²	
				LSMO	6.659m	
				Displacement/Length ratio	3.4036	
				Water Ballast	0	
				Trim Tab	No	
				BLR Index	0.0000	
				CENTERBOARD		
				N/A		
				COASTAL / LONG DISTANCE		
Time on Distance	627.2			WINDWARD / LEEWARD		
Time on Time	0.9566			704.1		
Triple Number	Low	Medium	High	Low	Medium	High
Time on Distance	700.3	579.0	514.6	892.7	714.0	621.9
Time on Time	0.9639	1.1658	1.3116	0.7561	0.9454	1.0854



2019 (Test)

ORC Club Certificate Appendix

BOAT		Certificate Number	
Name		Issued On	15/01/2019
Sail Nr			

TIME ALLOWANCES							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	1020.2	861.0	821.5	808.0	785.9	785.6	803.9
52°	673.5	590.6	574.9	568.5	558.9	555.4	557.0
60°	638.7	572.4	557.1	550.0	542.7	534.1	533.2
75°	615.6	557.7	530.6	517.4	510.0	500.9	488.5
90°	615.8	560.3	520.0	489.2	474.1	465.6	448.8
110°	604.7	540.7	510.8	484.7	461.3	427.9	394.7
120°	616.9	542.2	492.3	463.2	441.3	412.3	374.9
135°	686.6	572.0	514.7	458.3	404.6	371.7	326.7
150°	815.3	648.2	568.1	519.7	468.7	414.6	314.9
Run VMG	941.5	748.5	656.6	600.1	541.3	478.8	363.6

Selected Courses							
Windward / Leeward	980.8	804.8	739.0	704.0	663.6	632.2	583.8
Circular Random	852.1	701.3	623.0	577.4	547.1	524.6	491.4
Coastal / Long Distance	976.9	760.0	668.8	611.3	565.9	526.3	465.0
Non Spinnaker	930.1	754.7	661.8	607.7	573.5	549.9	518.4

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	42.1°	39.9°	39.0°	38.5°	38.1°	38.6°	40.4°
Beat VMG	3.53	4.18	4.38	4.46	4.58	4.58	4.48
52°	5.35	6.10	6.26	6.33	6.44	6.48	6.46
60°	5.64	6.29	6.46	6.55	6.63	6.74	6.75
75°	5.85	6.45	6.79	6.96	7.06	7.19	7.37
90°	5.85	6.42	6.92	7.36	7.59	7.73	8.02
110°	5.95	6.66	7.05	7.43	7.80	8.41	9.12
120°	5.84	6.64	7.31	7.77	8.16	8.73	9.60
135°	5.24	6.29	6.99	7.85	8.90	9.69	11.02
150°	4.42	5.55	6.34	6.93	7.68	8.68	11.43
Run VMG	3.82	4.81	5.48	6.00	6.65	7.52	9.90
Gybe Angles	143.4°	147.8°	151.6°	148.5°	145.5°	143.6°	145.4°