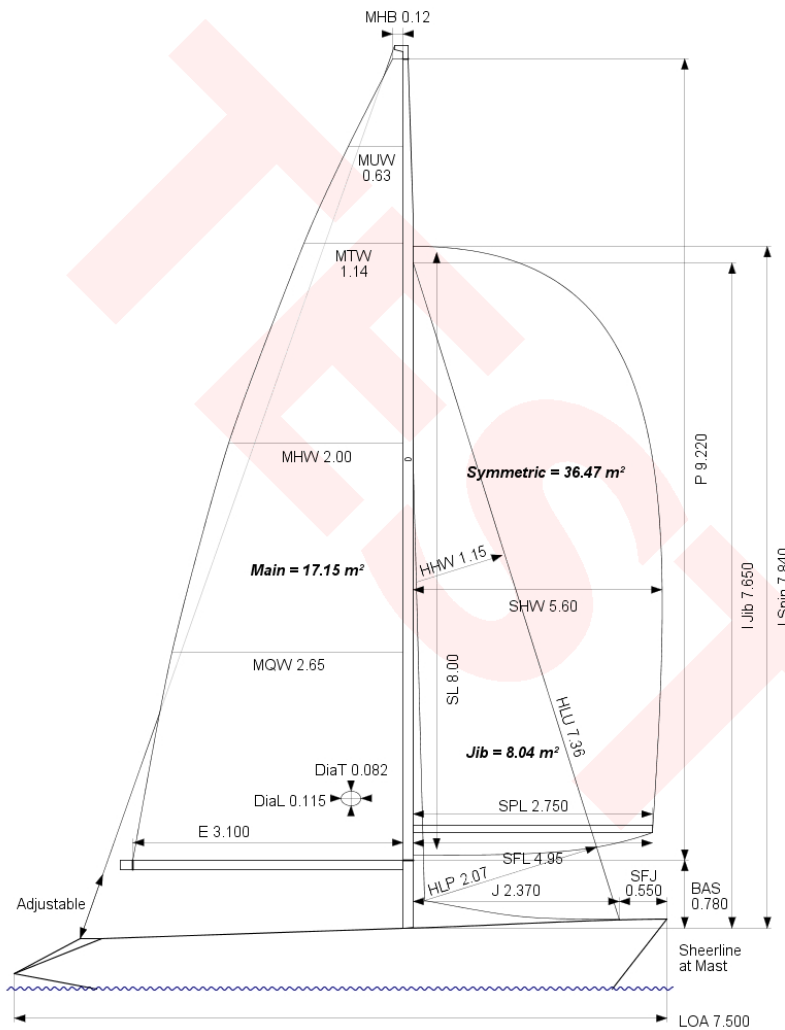




World Leader in Rating Technology

## 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 343kg  
Maximum **240kg**  
Minimum\* **155kg**  
*\*when applied by the NoR and SI*  
Non Manual Pwr **No**

### Special Scoring

	ToD	ToT
Non Spin GPH	<b>729.8</b>	<b>0.8221</b>
Non Spin OSN	<b>712.9</b>	<b>0.8417</b>

### Sails Limitations

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

### Spinnaker configuration

Symmetric: **Yes 36.47**  
Asymmetric: **No**  
Flying H/S: **No**  
Spin. Pole: **Yes**

### Class Division Length

CDL = **6.206**

### Stability (Estimated)

Limit Positive Stab.: **122.4°**  
Stability Index: **118.2**

### Owner

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

Signature

BOAT	GPH	HULL
Name Sail Nr	<b>691.4</b>	Data File <b>M750</b> LOA <b>7.500m</b> Offset File <b>M750.od</b> MB <b>1.862m</b> Displacement <b>798kg</b> Draft <b>1.162m</b>
<b>CLASS</b>		IMS Division <b>Sportboat</b> Dynamic All. <b>0.152%</b> Fwd Accom. <b>No</b> Construction <b>Cored</b> Fiber Rigging <b>No</b> Aramid Core <b>No</b> Crew Arm Ex <b>0.50</b> Carbon Rudder <b>No</b> Light Stanchions <b>No</b>
		IMSL <b>6.602m</b> VCGD <b>-0.253m</b> Sink <b>5.88kg/mm</b> RL <b>5.808m</b> VCGM <b>-0.192m</b> WS <b>8.27m<sup>2</sup></b> LSMO <b>6.133m</b> Displacement/Length ratio <b>3.4593</b>
<b>COMMENTS</b>		Water Ballast <b>0</b> Trim Tab <b>No</b> BLR Index <b>0.0000</b>
<b>PROPELLER</b>		<b>CENTERBOARD</b>
Type <b>No Propeller</b>		<b>N/A</b>
<b>SCORING OPTIONS</b>		
	<b>COASTAL / LONG DISTANCE</b>	<b>WINDWARD / LEEWARD</b>
Time on Distance	<b>677.5</b>	<b>764.5</b>
Time on Time	<b>0.8856</b>	<b>0.8829</b>
Triple Number	Low Medium High	Low Medium High
Time on Distance	<b>764.9 621.5 560.4</b>	<b>989.7 768.2 687.2</b>
Time on Time	<b>0.8825 1.0861 1.2045</b>	<b>0.6820 0.8787 0.9822</b>



# 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	1137.7	944.1	887.6	876.2	866.1	861.1	895.7
52°	739.0	636.1	610.0	602.6	600.7	591.5	596.5
60°	693.9	613.8	589.5	581.0	577.6	569.0	569.2
75°	664.5	596.9	566.6	547.3	538.0	533.7	521.0
90°	653.4	592.0	559.7	527.1	504.3	491.5	483.8
110°	643.8	572.4	532.7	509.3	487.3	469.8	426.2
120°	664.8	578.5	528.2	487.8	461.3	443.1	400.0
135°	748.5	615.3	558.4	507.7	458.0	408.6	348.2
150°	909.8	716.2	612.1	556.6	510.6	464.1	364.9
Run VMG	1050.5	826.9	701.3	623.2	571.3	528.8	421.3

Selected Courses							
Windward / Leeward	1094.1	885.5	794.5	749.7	718.7	695.0	658.5
Circular Random	928.5	760.0	672.5	622.8	591.7	570.1	540.4
Coastal / Long Distance	1089.7	833.4	718.5	652.9	609.4	570.9	507.3
Non Spinnaker	1000.2	809.0	708.1	650.5	615.3	592.1	562.4

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	43.7°	41.2°	40.1°	40.0°	40.2°	40.8°	43.5°
Beat VMG	3.16	3.81	4.06	4.11	4.16	4.18	4.02
52°	4.87	5.66	5.90	5.97	5.99	6.09	6.04
60°	5.19	5.87	6.11	6.20	6.23	6.33	6.32
75°	5.42	6.03	6.35	6.58	6.69	6.75	6.91
90°	5.51	6.08	6.43	6.83	7.14	7.32	7.44
110°	5.59	6.29	6.76	7.07	7.39	7.66	8.45
120°	5.42	6.22	6.82	7.38	7.80	8.12	9.00
135°	4.81	5.85	6.45	7.09	7.86	8.81	10.34
150°	3.96	5.03	5.88	6.47	7.05	7.76	9.87
Run VMG	3.43	4.35	5.13	5.78	6.30	6.81	8.54
Gybe Angles	144.1°	147.2°	154.9°	170.8°	180.0°	180.0°	145.8°