



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 422kg  
Maximum **450kg**  
Minimum\* **338kg**  
*\*when applied by the NoR and SI*  
Non Manual Pwr **No**

### Special Scoring

	ToD	ToT
Non Spin GPH	<b>678.1</b>	<b>0.8848</b>
Non Spin OSN	<b>659.0</b>	<b>0.9104</b>

### Sails Limitations

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

**Asymmetric on centerline**

**Spinnaker configuration**  
Symmetric: **No**  
Asymmetric: **Yes 76.86**  
Flying H/S: **No**  
Spin. Pole: **No**

### Class Division Length

CDL = **7.505**

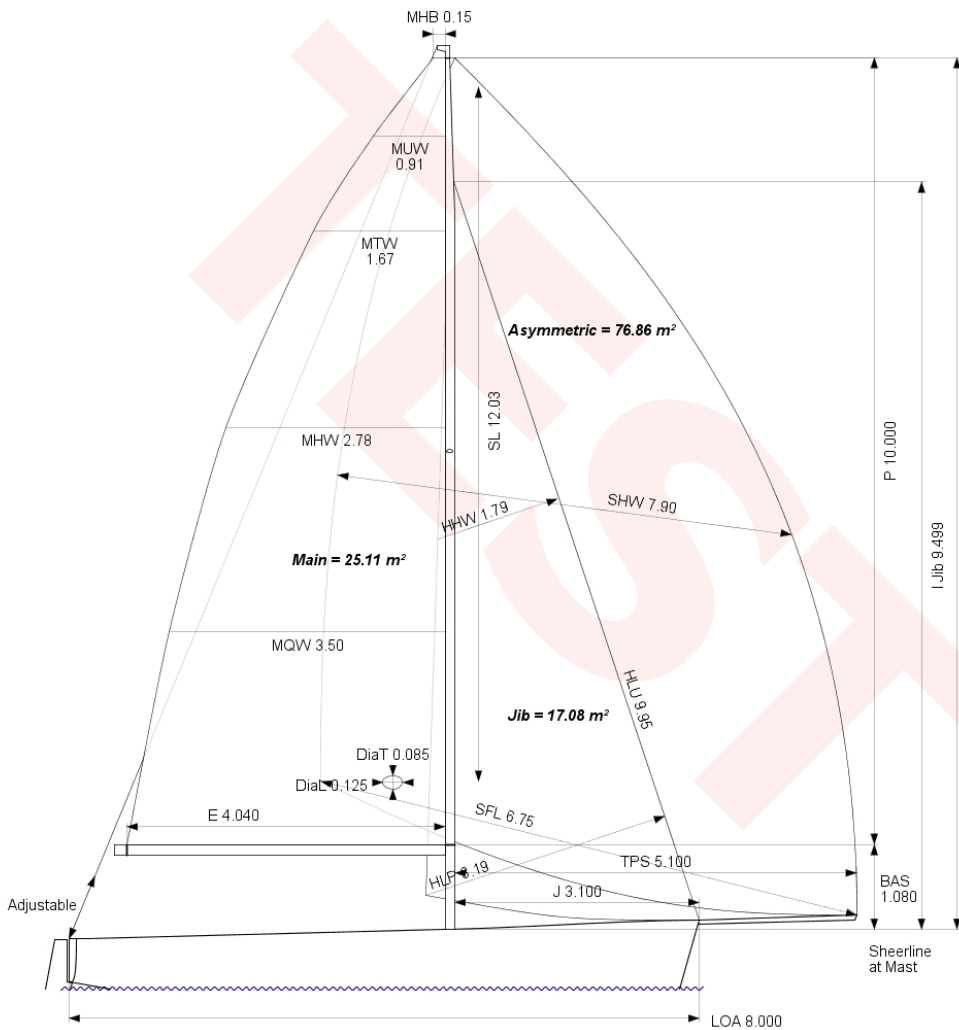
### Stability (Measured)

Limit Positive Stab.: **105.7°**  
Stability Index: **99.0**

### Owner

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

Signature



BOAT		GPH	HULL			
Name		<b>634.9</b>	Data File	<b>cork1720</b> LOA <b>8.000m</b>		
Sail Nr			Offset File	<b>cork1720.OD</b> MB <b>2.414m</b>		
CLASS			Displacement	<b>1,350kg</b> Draft <b>1.615m</b>		
Class	<b>Cork 1720 SB</b>		IMS Division	<b>Sportboat</b> Dynamic All. <b>0.000%</b>		
Designer	<b>Tony Castro</b>		Fwd Accom.	<b>No</b> Construction <b>Solid</b>		
Builder	<b>CORK YACHTS</b>		Fiber Rigging	<b>No</b> Aramid Core <b>No</b>		
Series	<b>01/1994</b>		Crew Arm Ex	<b>No</b> Carbon Rudder <b>No</b>		
Age Date				Light Stanchions <b>No</b>		
Age Allowance	<b>0.487%</b>		IMSL	<b>7.389m</b> VCGD <b>0.000m</b> Sink <b>10.27kg/mm</b>		
COMMENTS			RL	<b>7.619m</b> VCGM <b>-0.015m</b> WS <b>12.30m<sup>2</sup></b>		
PROPELLER			LSMO	<b>7.101m</b> Displacement/Length ratio <b>3.7703</b>		
Type	<b>No Propeller</b>		Water Ballast	<b>0</b> Trim Tab <b>No</b>		
SCORING OPTIONS			BLR Index	<b>0.0000</b>		
			CENTERBOARD			
			N/A			
			COASTAL / LONG DISTANCE			
Time on Distance	<b>619.0</b>			WINDWARD / LEEWARD		
Time on Time	<b>0.9693</b>			<b>697.6</b>		
Triple Number	Low	Medium	High	Low	Medium	High
Time on Distance	<b>708.2</b>	<b>570.9</b>	<b>501.0</b>	<b>902.5</b>	<b>703.3</b>	<b>611.0</b>
Time on Time	<b>0.9531</b>	<b>1.1823</b>	<b>1.3473</b>	<b>0.7479</b>	<b>0.9597</b>	<b>1.1048</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	1045.0	869.7	787.2	765.0	757.6	749.7	756.1
52°	690.7	595.6	562.0	550.4	544.9	540.5	532.0
60°	655.7	579.9	547.8	531.2	522.7	518.0	503.0
75°	631.3	568.3	533.5	502.0	486.3	477.5	462.9
90°	622.6	556.7	530.3	494.4	461.0	439.7	423.2
110°	610.2	540.0	495.2	469.4	447.2	425.7	383.2
120°	622.6	546.1	492.3	448.4	421.6	404.4	359.8
135°	693.8	576.8	522.0	472.4	421.6	373.8	304.6
150°	815.0	653.4	574.8	527.8	485.3	438.1	318.9
Run VMG	941.1	754.5	663.7	609.4	560.4	505.9	368.3

Selected Courses							
Windward / Leeward	993.0	812.1	725.5	687.2	659.0	627.8	562.2
Circular Random	856.4	700.5	618.0	569.3	536.4	510.9	468.5
Coastal / Long Distance	987.9	766.5	659.3	596.5	555.1	516.7	444.7
Non Spinnaker	932.2	753.9	658.3	602.3	566.7	541.6	505.4

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	42.2°	40.8°	38.1°	37.4°	37.2°	37.0°	38.6°
Beat VMG	3.45	4.14	4.57	4.71	4.75	4.80	4.76
52°	5.21	6.04	6.41	6.54	6.61	6.66	6.77
60°	5.49	6.21	6.57	6.78	6.89	6.95	7.16
75°	5.70	6.34	6.75	7.17	7.40	7.54	7.78
90°	5.78	6.47	6.79	7.28	7.81	8.19	8.51
110°	5.90	6.67	7.27	7.67	8.05	8.46	9.40
120°	5.78	6.59	7.31	8.03	8.54	8.90	10.01
135°	5.19	6.24	6.90	7.62	8.54	9.63	11.82
150°	4.42	5.51	6.26	6.82	7.42	8.22	11.29
Run VMG	3.83	4.77	5.42	5.91	6.42	7.12	9.78
Gybe Angles	145.0°	148.6°	150.6°	148.9°	146.0°	144.3°	142.4°