



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	393kg
Maximum	393kg
Minimum*	295kg
*when applied by the NoR and SI	
Non Manual Pwr	No

Special Scoring

	ToD	ToT
Non Spin GPH	743.4	0.8071
Non Spin OSN	722.9	0.8300

Sails Limitations

Headsails **5** Spinnakers **3**
Dacron Sails

Spinnaker configuration
Symmetric: **Yes** **63.44**
Asymmetric: **No**
Flying H/S: **No**
Spin. Pole: **Yes**

Class Division Length

CDL = 6.615

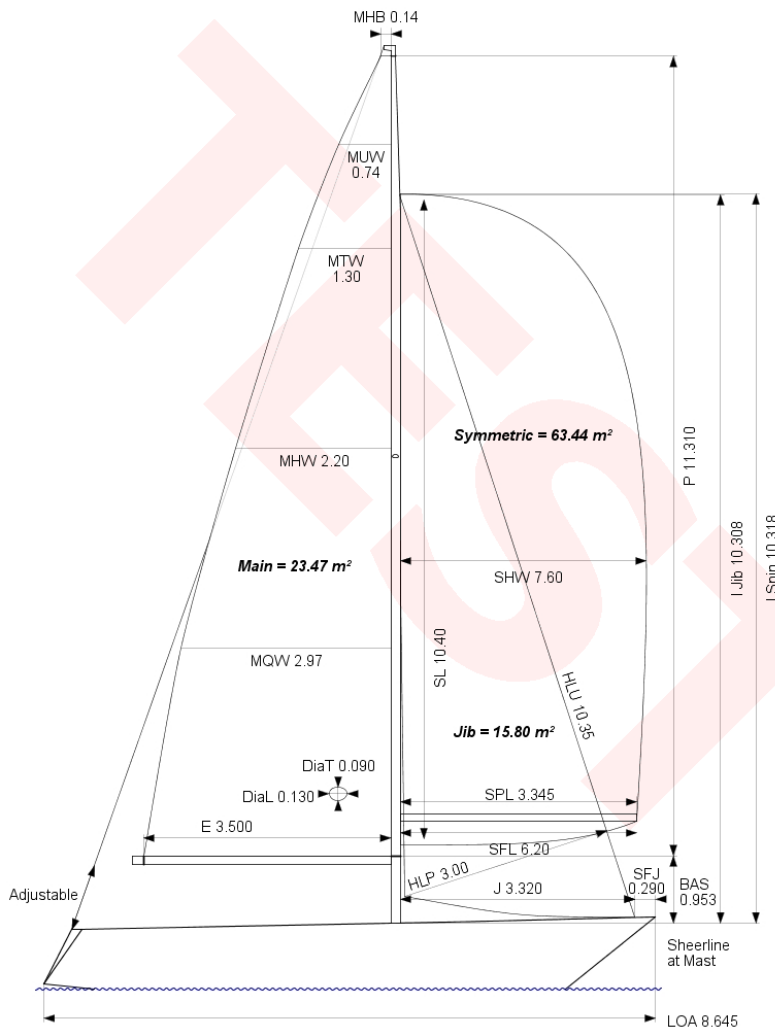
Stability (Estimated)

Limit Positive Stab.: **140.7°**
Stability Index: **143.8**

Owner

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

Signature



BOAT		GPH	HULL	
Name		706.4	Data File M2	LOA 8.645m
Sail Nr			Offset File m2.od	MB 2.334m
CLASS			Displacement 2,443kg	Draft 1.708m
Class	M 2		IMS Division Cruiser/Racer	Dynamic All. 0.137%
Designer	J.Kjaerulff		Fwd Accom. Yes	Construction Cored
Builder	Moser		Fiber Rigging No	Aramid Core No
Series	08/1977		Crew Arm Ex	Carbon Rudder No
Age Date				Light Stanchions
Age Allowance	0.487%		IMSL 7.007m	VCGD -0.248m
COMMENTS			RL 6.223m	VCGM -0.218m
following Class Rules 2010			WS 13.66m²	
PROPELLER			LSM0 6.751m	Displacement/Length ratio 7.9400
Installation	Shaft exposed	PRD 0.330	Water Ballast 0	Trim Tab No
Type	Folding 2 blades	PIPA 0.0011	BLR Index 0.0000	
CENTERBOARD			N/A	

SCORING OPTIONS						
	COASTAL / LONG DISTANCE			WINDWARD / LEEWARD		
Time on Distance	690.3			762.1		
Time on Time	0.8692			0.8857		
Triple Number	Low	Medium	High	Low	Medium	High
Time on Distance	778.8	634.6	583.0	996.0	763.4	685.8
Time on Time	0.8667	1.0637	1.1578	0.6777	0.8842	0.9843



2019 (Test)

ORC Club Certificate Appendix

BOAT		Certificate Number
Name		
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	1139.6	959.3	872.2	846.5	839.4	823.6	824.5
52°	763.3	651.6	614.7	602.3	597.7	596.0	588.0
60°	726.6	631.4	600.4	587.1	581.6	579.0	571.0
75°	700.8	617.4	588.3	571.1	559.7	553.3	549.1
90°	678.7	603.7	586.3	565.6	547.9	533.5	516.2
110°	665.5	591.1	561.0	543.1	530.8	519.7	500.3
120°	687.4	596.6	561.9	532.9	512.2	498.5	477.7
135°	765.1	631.6	579.8	548.6	517.1	488.4	448.6
150°	904.1	727.9	622.5	577.1	548.3	518.9	464.8
Run VMG	1044.0	840.8	711.9	630.7	585.9	557.1	501.9

Selected Courses							
Windward / Leeward	1091.8	900.1	792.1	738.6	712.6	690.4	663.2
Circular Random	943.6	774.1	686.9	638.6	610.0	591.4	567.1
Coastal / Long Distance	1087.0	848.1	723.5	659.7	625.2	593.8	544.5
Non Spinnaker	1015.6	822.5	721.2	664.3	630.5	609.1	582.2

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	40.6°	39.7°	39.4°	38.6°	38.5°	37.6°	38.5°
Beat VMG	3.16	3.75	4.13	4.25	4.29	4.37	4.37
52°	4.72	5.53	5.86	5.98	6.02	6.04	6.12
60°	4.95	5.70	6.00	6.13	6.19	6.22	6.30
75°	5.14	5.83	6.12	6.30	6.43	6.51	6.56
90°	5.30	5.96	6.14	6.37	6.57	6.75	6.97
110°	5.41	6.09	6.42	6.63	6.78	6.93	7.20
120°	5.24	6.03	6.41	6.76	7.03	7.22	7.54
135°	4.71	5.70	6.21	6.56	6.96	7.37	8.03
150°	3.98	4.95	5.78	6.24	6.57	6.94	7.74
Run VMG	3.45	4.28	5.06	5.71	6.14	6.46	7.17
Gybe Angles	147.4°	150.5°	154.3°	175.2°	180.0°	180.0°	180.0°