



ORC

Offshore Racing Congress
World leader in rating technology

**2019
ORC Club One
Design Certificate**

Rating Office

Swiss Rating Office ABC
Bruno Frank
Haldengässli 76
CH-8706 Feldmeilen

Bauh



ABC
Schweiz - Suisse - Switzerland

Zertifikat

Nummer
Ausgestellt **28.03.2019**
ORC Ref **SUI00005160**
VPP **2019 1.01**
Gültig bis **31.12.2019**

max. Crewgewicht

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**

Segelbeschränkung

Headsails **5** Spinnaker **3**
Dacron Sails

Spinnaker Konfiguration

Symmetric: **Ja 63.44**
Asymmetric: **No**
Flying H/S: **No**
Spin. Pole: **Ja**

Class Division Length

CDL = 6.615

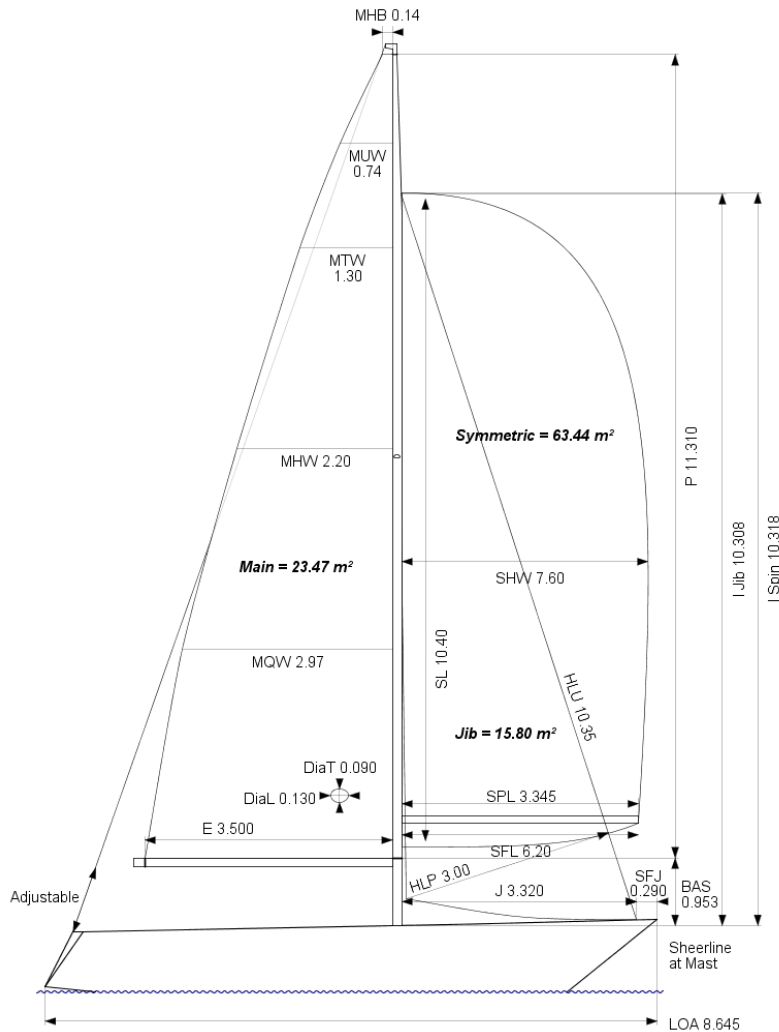
Stability (Estimated)

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

Eigner

Ich versichere, dass ich meine
Verpflichtungen nach den ORC Rules
und Regulations verstehe.

Unterschrift



BOOT		GPH		RUMPF		
Name Segel Nr.		706.4		Data File M2	Länge 8.645m	
				Offset Datei m2.OD	Breite 2.334m	
				Verdrängung 2'443kg	Tiefgang 1.708m	
KLASSE				IMS Division Cruiser/Racer	Dynamic All. 0.137%	
Klasse M 2				Fwd Accom. Ja	Construction Sandwich	
Designer J.Kjaerulff				Fiber Rigging No	Aramid Core No	
Werft Moser				Crew Arm Ex	Carbon Ruder No	
Series 08.1977					Light Stanchions	
Baujahr				IMSL 7.007m	VCGD -0.248m	Sink 8.37kg/mm
Altersvergütung 0.487%				RL 6.223m	VCGM -0.218m	WS 13.66m²
COMMENTS				LSM0 6.751m	Displacement/Length ratio 7.9400	
following Class Rules 2010				Water Ballast 0	Trim Tab No	
				BLR Index 0.0000		
PROPELLER				CENTERBOARD		
Installation Shaft exposed	PRD 0.330			N/A		
Typ Folding 2 blades	PIPA 0.0011					
SCORING OPTIONS						
	COASTAL / LONG DISTANCE			WINDWARD / LEEWARD		
Time on Distance	690.3			762.1		
Time on Time	0.8692			0.8857		
Triple Number	Schwach	Mittel	Stark	Schwach	Mittel	Stark
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

ORC Club Certificate Appendix

BOOT	
Name	Certificate Number
Segel Nr.	Ausgestellt am 28.03.2019

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°