



World Leader in Rating Technology

2018 ORC Club Certificate

Rating Office

Certificate

Number
Issued On **28-2-2019**
ORC Ref **met00015225**
VPP Ver. **2018 1.00**
Valid until **31-12-2018**

Crew Weight

Default 331kg
Maximum **331kg**
Minimum* **246kg**
**when applied by the NoR and SI*
Non Manual Pwr **No**

Special Scoring

ToD ToT
Non Spin GPH **846,0 0,7092**
Non Spin OSN **816,5 0,7349**

Sails Limitations

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

Spinnaker configuration
Symmetric: **Yes 31,30**
Asymmetric: **No**
Flying H/S: **No**
Spin. Pole: **Yes**

Class Division Length

CDL = 5,355

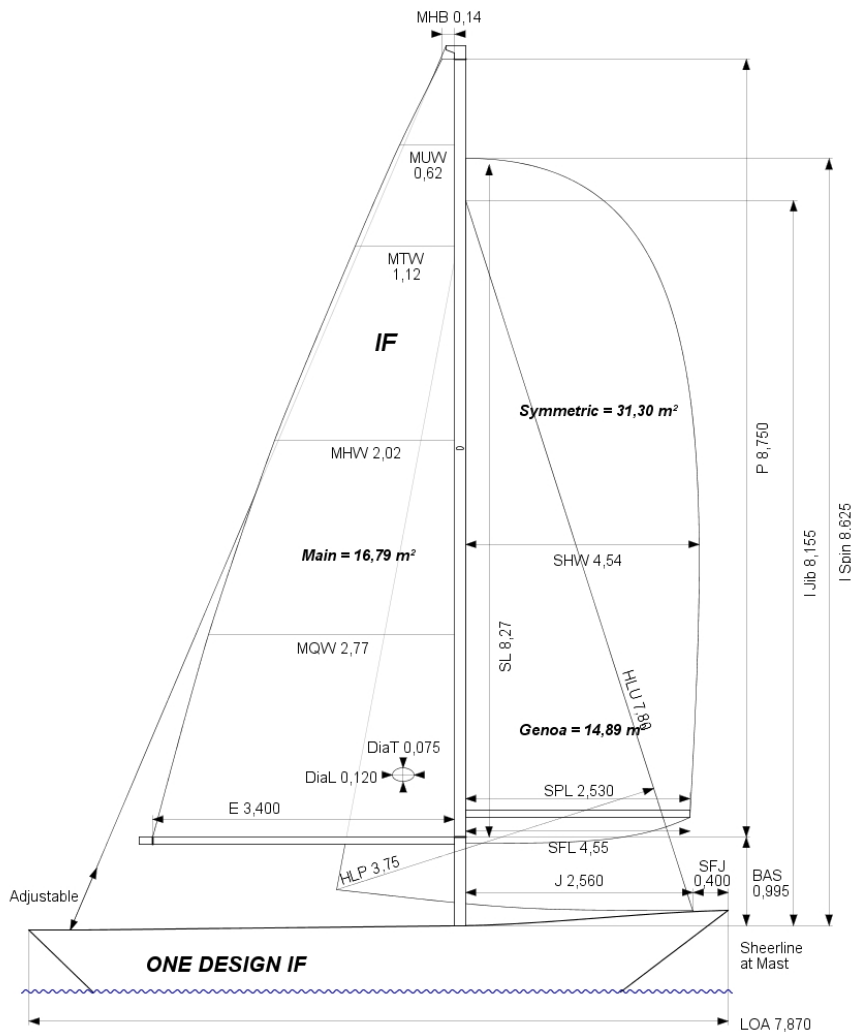
Stability (Estimated)

Limit Positive Stab.: **132,2°**
Stability Index: **135,0**

Owner

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

Signature



BOAT		GPH		HULL		
Name One design IF Sail Nr IF		816,8		Data File 666849	LOA 7,870m	
				Offset File ifbat3.off	MB 2,200m	
				Displacement 2.163kg	Draft 1,193m	
CLASS						
Class IF		IMS Division Cruiser/Racer Dynamic All. 0,576%				
Designer Tord Sundén		Fwd Accom. Yes Construction Solid				
Builder Marieholm		Fiber Rigging No Aramid Core No				
Series 01-1965		Crew Arm Ex No Carbon Rudder No				
Age Date 01-1975		Light Stanchions No				
Age Allowance 0,487%		IMSL 6,051m VCGD 0,988m Sink 7,64kg/mm				
		RL 4,659m VCGM -0,199m WS 14,47m²				
		LSM0 5,983m Displacement/Length ratio 10,0995				
COMMENTS		Water Ballast 0 Trim Tab BLR Index 0,0000				
PROPELLER		CENTERBOARD				
Type No Propeller		N/A				
SCORING OPTIONS						
	COASTAL / LONG DISTANCE			WINDWARD / LEEWARD		
Time on Distance	792,5			886,8		
Time on Time	0,7571			0,7612		
Triple Number	Low	Medium	High	Low	Medium	High
Time on Distance	939,7	721,2	650,8	1207,5	890,4	784,4
Time on Time	0,7183	0,9360	1,0372	0,5590	0,7581	0,8605



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ORC Club Certificate Appendix

BOAT			
Name	One design IF	Certificate Number	
Sail Nr	IF	Issued On	28-2-2019

TIME ALLOWANCES							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	1411,4	1180,4	1049,4	978,3	956,8	949,7	968,5
52°	924,9	781,5	693,5	657,3	644,3	639,0	640,0
60°	876,9	740,0	666,3	636,9	623,0	617,0	615,4
75°	841,5	708,7	648,2	620,9	603,6	591,4	580,9
90°	830,4	685,0	627,2	602,3	592,6	578,2	551,7
110°	824,2	680,8	624,4	594,1	567,6	546,2	526,6
120°	851,4	699,0	632,9	601,8	574,5	547,7	508,6
135°	940,4	766,0	663,4	620,4	592,7	565,9	517,4
150°	1081,8	861,5	729,0	652,4	616,7	590,9	541,6
Run VMG	1249,2	989,3	836,5	726,1	655,9	620,0	570,3
Selected Courses							
Windward / Leeward	1330,3	1084,9	942,9	852,2	806,4	784,9	769,4
Circular Random	1126,6	908,5	791,9	725,2	686,0	662,3	637,3
Coastal / Long Distance	1322,2	1017,2	847,2	746,3	697,3	660,3	599,4
Non Spinnaker	1179,3	945,8	819,5	746,2	702,4	675,9	648,9

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	43,3°	41,9°	42,6°	42,7°	42,6°	42,8°	44,0°
Beat VMG	2,55	3,05	3,43	3,68	3,76	3,79	3,72
52°	3,89	4,61	5,19	5,48	5,59	5,63	5,62
60°	4,11	4,86	5,40	5,65	5,78	5,83	5,85
75°	4,28	5,08	5,55	5,80	5,96	6,09	6,20
90°	4,34	5,26	5,74	5,98	6,08	6,23	6,53
110°	4,37	5,29	5,77	6,06	6,34	6,59	6,84
120°	4,23	5,15	5,69	5,98	6,27	6,57	7,08
135°	3,83	4,70	5,43	5,80	6,07	6,36	6,96
150°	3,33	4,18	4,94	5,52	5,84	6,09	6,65
Run VMG	2,88	3,64	4,30	4,96	5,49	5,81	6,31
Gybe Angles	149,6°	154,6°	157,9°	173,2°	180,0°	180,0°	180,0°