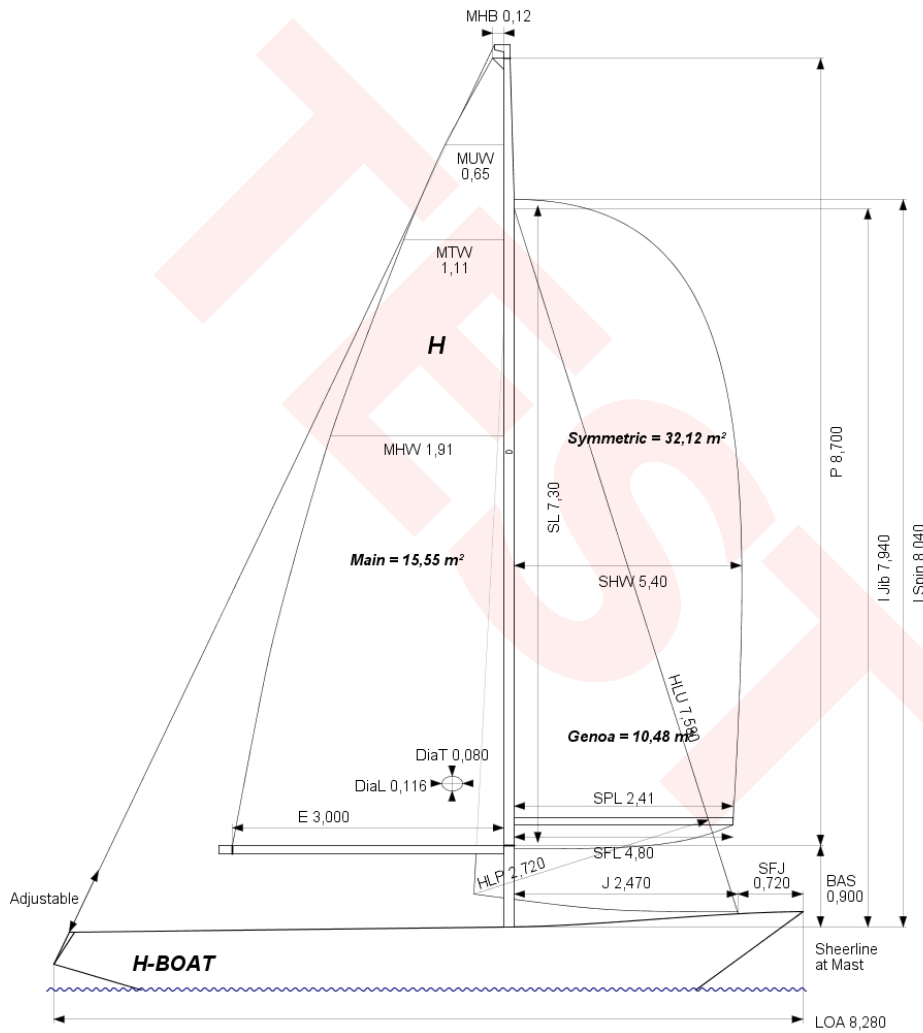




World Leader in Rating Technology

2017 (Test) ORC Club One Design Certificate



Rating Office

Certificate

Number **21590**
Issued On **20/01/2017**
ORC Ref **N/A**
VPP Ver. **2017 1.00**

Invalid for Racing

Crew Weight

Declared **350kg**
Default* **338kg**
Non Manual Pwr **No**

Special Scoring

	ToD	ToT
Double H.GPH	764.5	0.7848
Double H.OSN	743.9	0.8066
Non Spin GPH	790.3	0.7592
Non Spin OSN	762.0	0.7874

Sails Limitations

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

Spinnaker configuration
Symmetric: **Yes** **32.12**
Asymmetric: **No**
Flying H/S: **No**
Spin. Pole: **Yes**

Class Division Length

CDL = 6.051

Stability (Estimated)

Limit Positive Stab.: **120.1°**
Stability Index: **118.2**

Owner

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

Signature

BOAT		GPH		HULL		
Name	H-boat		755.1	Data File	hboat LOA 8.280m	
Sail Nr	H-			Offset File	hboat.od MB 2.188m	
				Displacement	1.456kg Draft 1.260m	
CLASS				IMS Division	Cruiser/Racer Dynamic All. 0.297%	
Class	H-boot			Fwd Accom.	No Construction Solid	
Designer	Hans Groop			Fiber Rigging	No Aramid Core No	
Builder				Crew Arm Ex	0.50 Carbon Rudder No	
Series	01/1967			Light Stanchions No		
Age Date	01/1983			IMSL	6.465m VCGD -0.154m Sink 7.30kg/mm	
Age Allowance	0.487%			RL	5.637m VCGM -0.120m WS 10.64m²	
COMMENTS				LSM0	6.077m Displacement/Length ratio 6.4877	
According to class rules				Water Ballast	0 Trim Tab No	
PROPELLER				CENTERBOARD		
Type	No Propeller			N/A		
SCORING OPTIONS						
	COASTAL / LONG DISTANCE			WINDWARD / LEEWARD		
Time On Distance	732.0			817.1		
Time On Time	0.8197			0.8261		
Triple Number	Low	Medium	High	Low	Medium	High
Time on Distance	880.1	665.7	581.6	1143.7	822.6	701.0
Time on Time	0.7670	1.0139	1.1606	0.5902	0.8206	0.9629



World Leader in Rating Technology

2017 (Test)

ORC Club Certificate Appendix

BOAT

Name **H-boat** Certificate Number **21590**
Sail Nr **H-** Issued On **20/01/2017**

TIME ALLOWANCES

Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	1340.1	1107.8	970.2	889.4	847.2	830.5	825.1
52°	871.5	724.2	644.5	610.6	592.0	583.0	577.5
60°	819.0	682.1	621.3	592.8	573.4	560.5	551.8
75°	775.8	652.4	604.7	577.2	553.1	532.6	512.3
90°	758.7	631.0	583.7	551.7	536.0	523.5	487.4
110°	754.9	628.5	582.3	547.1	514.1	486.5	456.8
120°	783.3	643.4	590.6	555.9	522.5	492.1	428.6
135°	878.8	710.9	616.4	578.2	545.4	514.6	455.2
150°	1029.3	813.4	681.9	610.1	575.8	545.1	489.2
Run VMG	1188.5	938.2	784.7	681.0	617.6	582.3	524.4

Selected Courses

Windward / Leeward	1264.3	1023.0	877.4	785.2	732.4	706.4	674.7
Circular Random	1053.0	845.2	732.1	665.0	622.8	594.6	558.0
Ocean for PCS	1289.9	991.4	821.5	716.5	647.2	597.8	526.0
Non Spinnaker	1114.3	889.0	765.3	691.6	645.1	614.4	576.8

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	43.4°	42.4°	42.9°	41.1°	40.0°	39.3°	39.5°
Beat VMG	2.69	3.25	3.71	4.05	4.25	4.33	4.36
52°	4.13	4.97	5.59	5.90	6.08	6.17	6.23
60°	4.40	5.28	5.79	6.07	6.28	6.42	6.52
75°	4.64	5.52	5.95	6.24	6.51	6.76	7.03
90°	4.74	5.71	6.17	6.53	6.72	6.88	7.39
110°	4.77	5.73	6.18	6.58	7.00	7.40	7.88
120°	4.60	5.60	6.10	6.48	6.89	7.32	8.40
135°	4.10	5.06	5.84	6.23	6.60	7.00	7.91
150°	3.50	4.43	5.28	5.90	6.25	6.60	7.36
Run VMG	3.03	3.84	4.59	5.29	5.83	6.18	6.87
Gybe Angles	148.5°	152.4°	152.3°	167.2°	180.0°	180.0°	180.0°