



ORC

Offshore Racing Congress
World leader in rating technology

**2020
ORC Club
Certificate**

**Rating Office
CYPRUS SAILING
FEDERATION**



Certificate

Number **08/20**
Issued On **17/07/2020**
ORC Ref **03470000MON**
VPP Ver. **2020 1.02**
Valid until **31/12/2020**

Crew Weight

Default 427kg
Maximum **427kg**
Minimum* **320kg**
**when applied by the NoR and SI*
Non Manual Pwr **No**

Special Scoring

ToD ToT
Non Spin GPH **821.5 0.7304**
Non Spin OSN **789.7 0.7598**

Sails Limitations

Headsails **1** Spinnakers **0**

Spinnaker configuration

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

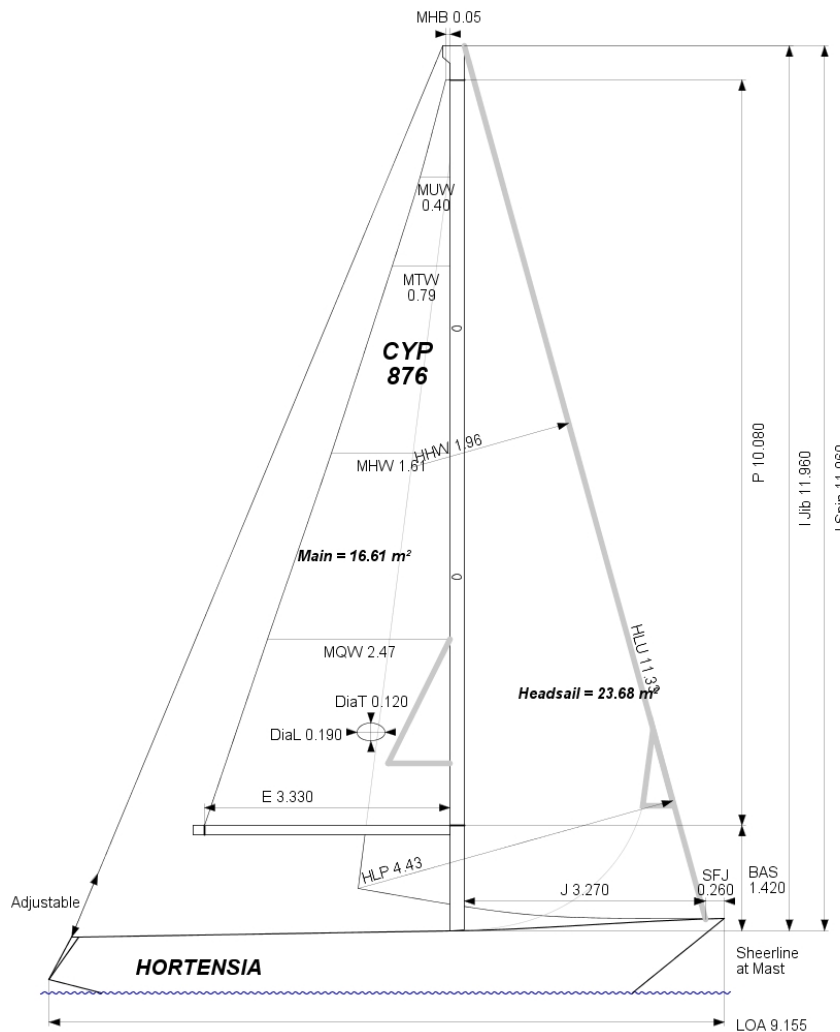
Class Division Length

CDL = 6.205

Stability (Measured)

Limit Positive Stab.: **110.2°**
Stability Index: **111.8**

Owner



BOAT Name HORTENSIA Sail Nr CYP-876		GPH 821.5	HULL Data File HORTENS# LOA 9.155m Offset File G1013.BOF MB 2.942m Displacement 3,855kg Draft 1.595m	
CLASS Class CONFORT 30 Designer ALBINSSON KENNETH Builder COMFORT YACHTS Series 01/1974 Age Date 01/1977 Age Allowance 0.487%		IMS Division Cruiser/Racer Dynamic All. 0.648% Plan Review Construction Solid Fiber Rigging No Aramid Core No Crew Arm Ex Carbon Rudder No Light Stanchions No		
COMMENTS		IMSL 7.260m VCGD -0.025m Sink 12.21kg/mm RL 5.158m VCGM 0.033m WS 17.93m² LSM0 7.154m Displacement/Length ratio 10.5288		
PROPELLER Installation Shaft exposed PRD 0.350 Type Solid 3 blades PBW 0.100 PIPA 0.0186		CENTERBOARD N/A		
SCORING OPTIONS				
	COASTAL / LONG DISTANCE	WINDWARD / LEEWARD		
Time on Distance	789.7	879.3		
Time on Time	0.7598	0.7677		
Triple Number	Low Medium High	Low Medium High		
Time on Distance	985.3 717.9 614.3	1271.4 892.0 735.2		
Time on Time	0.6851 0.9402 1.0988	0.5309 0.7567 0.9181		



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ORC Club Certificate Appendix

BOAT

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TIME ALLOWANCES

Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	1403.1	1152.2	1019.7	929.7	872.1	848.5	844.1
52°	903.7	755.7	671.3	620.0	594.3	582.0	576.8
60°	850.8	715.8	637.5	598.0	577.7	565.7	557.5
75°	819.1	688.0	614.1	582.0	563.6	549.6	530.3
90°	833.7	699.1	616.1	579.8	556.4	538.3	511.2
110°	902.9	742.0	641.6	588.8	562.8	543.6	508.2
120°	971.7	784.5	674.0	604.8	571.9	551.0	514.3
135°	1103.6	865.4	736.6	647.3	594.5	567.1	529.4
150°	1261.2	966.8	807.1	705.0	630.6	587.5	544.6
Run VMG	1439.0	1091.6	896.1	775.2	688.6	624.6	563.3

Selected Courses

Windward / Leeward	1421.1	1121.9	957.9	852.5	780.4	736.5	703.7
Circular Random	1170.4	929.1	795.0	714.0	663.1	630.3	593.4
Coastal / Long Distance	1422.8	1055.8	861.4	739.3	669.4	624.4	565.4
Non Spinnaker	1170.4	929.1	795.0	714.0	663.1	630.3	593.4

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	45.0°	43.1°	42.4°	42.4°	41.6°	41.6°	41.8°
Beat VMG	2.57	3.12	3.53	3.87	4.13	4.24	4.26
52°	3.98	4.76	5.36	5.81	6.06	6.19	6.24
60°	4.23	5.03	5.65	6.02	6.23	6.36	6.46
75°	4.39	5.23	5.86	6.19	6.39	6.55	6.79
90°	4.32	5.15	5.84	6.21	6.47	6.69	7.04
110°	3.99	4.85	5.61	6.11	6.40	6.62	7.08
120°	3.70	4.59	5.34	5.95	6.29	6.53	7.00
135°	3.26	4.16	4.89	5.56	6.06	6.35	6.80
150°	2.85	3.72	4.46	5.11	5.71	6.13	6.61
Run VMG	2.50	3.30	4.02	4.64	5.23	5.76	6.39
Gybe Angles	164.0°	168.0°	172.0°	174.0°	174.0°	176.0°	179.0°