



ORC

Offshore Racing Congress
World leader in rating technology

2020
ORC Club
Certificate

Rating Office

Offshore
Racing
Congress



Certificate

Number **3000.1**
Issued On **25/06/2020**
ORC Ref **03570000LH1**
VPP Ver. **2020 1.02**
Valid until **31/12/2020**

Crew Weight

Default 363kg
Maximum **363kg**
Minimum* **272kg**
**when applied by the NoR and SI*
Non Manual Pwr **No**

Special Scoring

	ToD	ToT
Non Spin GPH	786.6	0.7628
Non Spin OSN	763.4	0.7860

Sails Limitations

Headsails **5** Spinnakers **4**
Woven Polyester

Spinnaker configuration
Symmetric: **Yes** **44.82**
Asymmetric: **No**
Flying H/S: **No**
Spin. Pole: **Yes**

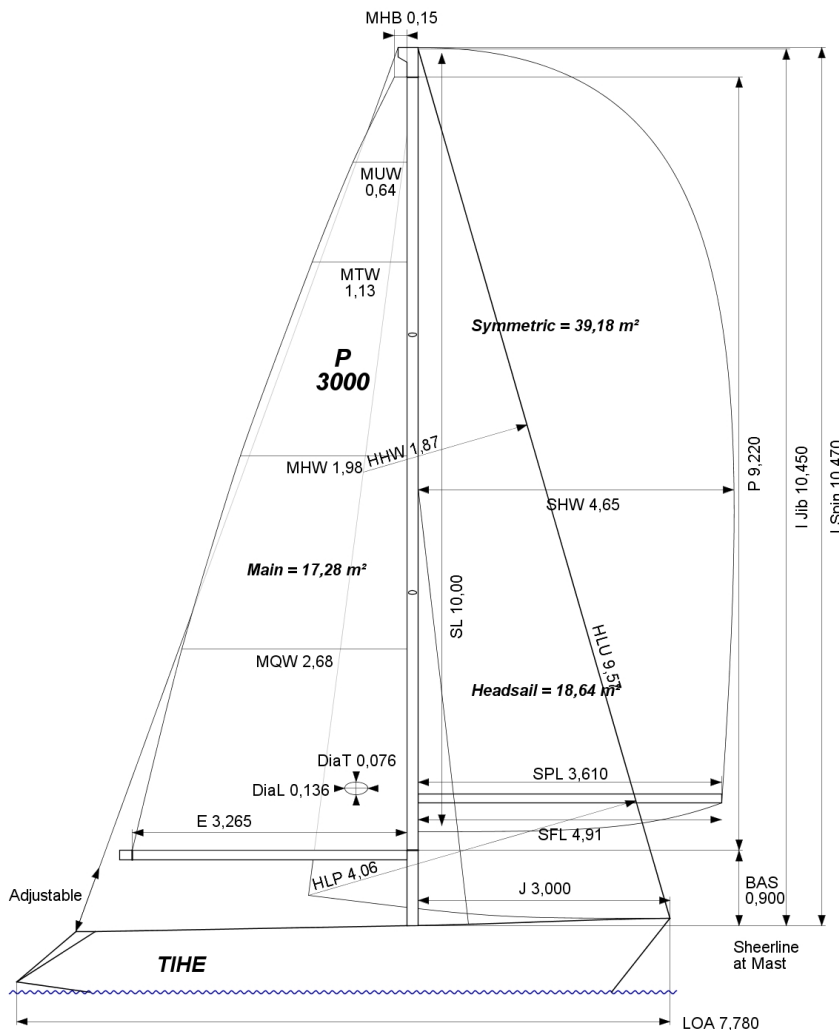
Class Division Length

CDL = 6.048

Stability (Estimated)

Limit Positive Stab.: **110.8°**
Stability Index: **106.8**

Owner



BOAT	GPH	HULL
Name TIHE Sail Nr P 3000ЛБ	750.3	Data File P3000LB_TIHE LOA 7.780m Offset File CT-251Tihe.off MB 2.698m Displacement 2,174kg Draft 1.159m
CLASS Class CT-251 Designer Alexadr Struzhilin Builder custom Series 02/1987 Age Date 01/2007 Age Allowance 0.487%		IMS Division Performance Dynamic All. 0.260% Plan Review Construction Solid Fiber Rigging No Aramid Core No Crew Arm Ex Carbon Rudder No Light Stanchions No
COMMENTS		IMSL 6.617m VCGD 0.023m Sink 9.62kg/mm RL 5.477m VCGM 0.009m WS 13.91m² LSM0 6.383m Displacement/Length ratio 8.3596
PROPELLER Type No Propeller		Water Ballast 0 Trim Tab No BLR Index 0.0000
		CENTERBOARD NA
SCORING OPTIONS		
	COASTAL / LONG DISTANCE	WINDWARD / LEEWARD
Time on Distance	730.8	815.9
Time on Time	0.8210	0.8273
Triple Number	Low Medium High	Low Medium High
Time on Distance	851.6 667.0 600.6	1097.6 818.4 722.7
Time on Time	0.7926 1.0120 1.1238	0.6150 0.8248 0.9340

2020

ORC Club Certificate Appendix

BOAT	
Name	TIHE
Certificate Number	3000.1
Sail Nr	P 3000ЛБ
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TIME ALLOWANCES							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	1302.2	1106.2	977.7	902.3	876.6	869.4	887.6
52°	840.7	711.5	645.7	616.6	603.0	598.2	599.0
60°	786.7	669.8	623.1	600.4	585.9	578.9	577.0
75°	751.1	646.3	607.2	585.4	567.4	552.1	538.0
90°	755.1	635.5	591.7	568.8	556.5	540.3	510.8
110°	737.1	623.0	581.9	551.2	524.1	504.6	485.1
120°	756.2	632.7	586.8	555.1	524.9	500.2	466.1
135°	823.4	675.5	607.4	574.1	543.9	515.4	467.9
150°	952.2	764.7	656.2	602.2	572.3	544.3	494.3
Run VMG	1099.5	882.7	751.1	666.3	610.6	579.5	526.5
Selected Courses							
Windward / Leeward	1200.9	994.4	864.4	784.3	743.6	724.4	707.1
Circular Random	1023.7	831.1	728.5	669.4	633.8	611.5	586.4
Coastal / Long Distance	1190.7	930.7	779.7	691.2	645.3	610.3	553.8
Non Spinnaker	1088.8	877.1	762.7	696.0	655.4	630.2	602.9

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	44.1°	45.0°	43.5°	42.0°	41.6°	41.6°	43.3°
Beat VMG	2.76	3.25	3.68	3.99	4.11	4.14	4.06
52°	4.28	5.06	5.58	5.84	5.97	6.02	6.01
60°	4.58	5.37	5.78	6.00	6.14	6.22	6.24
75°	4.79	5.57	5.93	6.15	6.34	6.52	6.69
90°	4.77	5.66	6.08	6.33	6.47	6.66	7.05
110°	4.88	5.78	6.19	6.53	6.87	7.13	7.42
120°	4.76	5.69	6.14	6.49	6.86	7.20	7.72
135°	4.37	5.33	5.93	6.27	6.62	6.98	7.69
150°	3.78	4.71	5.49	5.98	6.29	6.61	7.28
Run VMG	3.27	4.08	4.79	5.40	5.90	6.21	6.84
Gybe Angles	148.0°	151.5°	154.0°	172.0°	180.0°	180.0°	180.0°