

GPH = 772.6 CDL = 5.698

BOAT

Class **First 21.7 S**
Designer **Finot**
Builder **Beneteau**
Age Date **01/2006**
Series Date **01/2005**
Offset File **F21.7CL.OFF**

HULL

Length Overall **6.400 m**
Maximum Beam **2.500 m**
Draft **1.797 m**
Displacement **1,232 kg**
DLR **6.4878**
IMS Division **Cruiser/Racer**
Dynamic Allowance **0.198%**
Age Allowance **0.487%**

PROPELLER

Installation **No Propeller**
Type **N/A**
Diameter **N/A**

CREW

Maximum weight **350 kg**
Minimum weight **263 kg * when applied**
Non Manual Power **No**
Crew Arm Extension

SAIL AREAS (m²)

	Measured	Rated
Mainsail	13.64	13.90
Headsail Luffed	10.67	10.67
Headsail Flying		

Symmetric
Asymmetric **35.96 35.96**
** All asymmetric spinnakers with SHW/SFL > 85%*

SAIL LIMITATIONS

Headsails **1**
Spinnakers **4**

STABILITY

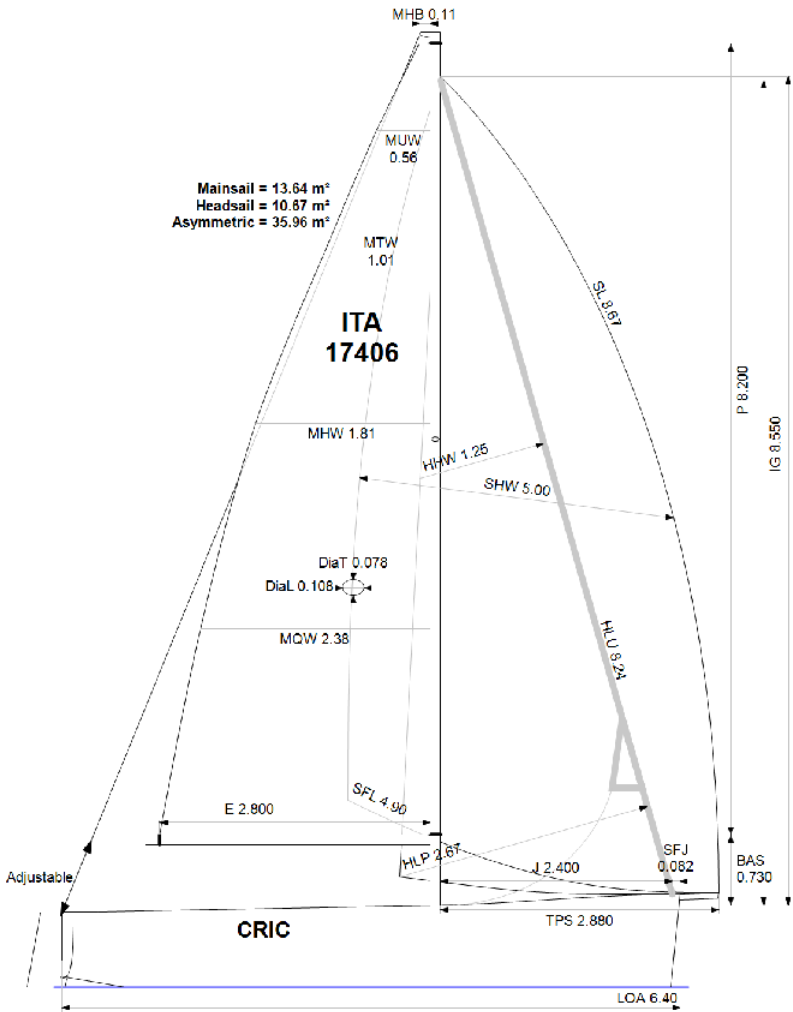
Righting Moment **26.8 kg·m**
Stability Index **N/A**

COMMENTS

Intestatario: Caldari Andrea

OWNER

The owner certifies that he/she understands his/her responsibilities under ORC Rule and Regulations.



Rated boat velocities in knots

Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat Angles	41.6°	41.1°	40.5°	38.3°	36.4°	36.0°	37.1°
Beat VMG	2.76	3.29	3.68	4.00	4.23	4.30	4.24
52°	4.15	4.89	5.34	5.58	5.76	5.88	5.90
60°	4.36	5.10	5.48	5.70	5.90	6.06	6.14
75°	4.53	5.28	5.66	5.87	6.05	6.29	6.59
90°	4.79	5.53	5.90	6.22	6.42	6.53	6.86
110°	4.82	5.55	5.93	6.32	6.71	7.07	7.48
120°	4.65	5.45	5.84	6.23	6.62	7.03	7.86
135°	4.22	5.11	5.63	5.97	6.34	6.71	7.52
150°	3.64	4.49	5.15	5.54	5.80	6.06	6.67
Run VMG	3.15	3.89	4.46	4.89	5.38	5.69	6.22
Gybe Angles	147.0°	147.0°	148.0°	174.0°	177.0°	178.0°	178.0°

Time Allowances in secs/NM							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	1305.1	1095.7	978.3	900.2	851.9	836.6	848.2
52°	867.7	735.7	674.4	645.5	624.9	612.5	610.2
60°	826.2	705.9	656.8	631.7	610.6	593.8	585.9
75°	795.2	681.8	636.4	613.8	595.1	572.4	546.2
90°	751.8	650.9	610.3	578.4	560.9	551.7	524.8
110°	746.7	648.7	607.1	569.3	536.3	509.4	481.3
120°	774.7	660.2	616.0	578.3	543.5	512.1	458.3
135°	853.9	704.0	639.5	603.2	567.9	536.4	478.6
150°	990.3	802.1	698.6	649.9	621.1	594.0	539.4
Run VMG	1143.5	926.2	806.7	736.7	669.0	633.1	578.6
Selected Courses							
Windward / Leeward	1224.3	1010.9	892.5	818.4	760.4	734.8	713.4
All purpose	948.5	795.7	719.7	672.7	638.0	616.8	591.7

Single Number Scoring Options		
Course	Time On Distance	Time On Time
Windward / Leeward	847.6	0.7079
All purpose	691.6	0.8675

Custom scoring options for Italy

Single Number	Time On Distance	Time On Time
Coastal/Long Distance	752.0	0.7978
Triple Number Coastal/Long Distance Low	872.1	0.6880
Triple Number Coastal/Long Distance Medium	690.0	0.8696
Triple Number Coastal/Long Distance High	612.7	0.9793
Triple Number Windward/Leeward Low	1117.5	0.5369
Triple Number Windward/Leeward Medium	844.7	0.7103
Triple Number Windward/Leeward High	733.2	0.8183

Performance Curve	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Coastal/Long Distance	1216.2	949.7	807.2	717.4	661.8	623.7	562.6