

GPH = 793.7 **CDL = 5.926**

BOAT

Class **FENIX**
Designer **Pelle Petterson**
Builder **Pelle Petterson AB**
Age Date **01/1985**
Series Date **01/1981**
Offset File **fenix3.off**

HULL

Length Overall **8.300 m**
Maximum Beam **2.894 m**
Draft **1.572 m**
Displacement **2,950 kg**
DLR **8.5652**
IMS Division **Cruiser/Racer**
Dynamic Allowance **0.455%**
Age Allowance **0.487%**

PROPELLER

Installation **Strut**
Type **Folding 2 blades**
Diameter **0.340m**

CREW

Maximum weight **120 kg**
Minimum weight **120 kg * when applied**
Non Manual Power **No**
Crew Arm Extension

SAIL AREAS (m²)

	Measured	Rated
Mainsail	20.41	20.72
Headsail Luffed	11.72	12.07
Headsail Flying		

Symmetric
Asymmetric **33.55 35.91**
** All asymmetric spinnakers with SHW/SFL > 85%*

SAIL LIMITATIONS

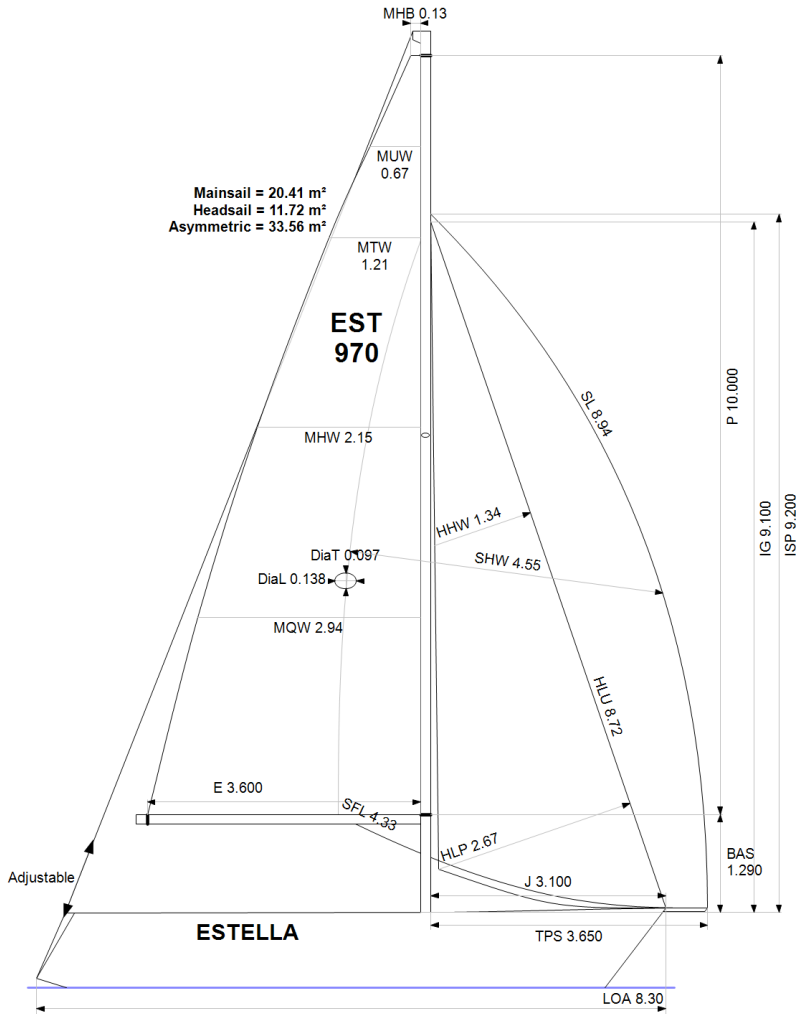
Headsails **5** * Woven polyester sails
Spinnakers **4** * Asymmetric SHALL NOT be tacked on the pole

STABILITY

Righting Moment **50.0 kg·m**
Stability Index **N/A**

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	44.3°	42.6°	42.0°	42.8°	42.8°	42.8°	44.3°
Beat VMG	2.49	3.02	3.41	3.71	3.90	3.93	3.82
52°	3.85	4.58	5.16	5.62	5.85	5.91	5.83
60°	4.09	4.84	5.45	5.86	6.07	6.15	6.14
75°	4.35	5.23	5.84	6.07	6.25	6.40	6.51
90°	4.66	5.60	6.14	6.40	6.52	6.60	6.84
110°	4.67	5.62	6.16	6.47	6.77	7.06	7.33
120°	4.50	5.45	6.07	6.40	6.71	7.03	7.60
135°	4.06	4.98	5.76	6.20	6.49	6.80	7.42
150°	3.48	4.36	5.09	5.67	6.06	6.32	6.81
Run VMG	3.01	3.77	4.41	4.91	5.47	5.93	6.47
Gybe Angles	146.0°	147.0°	146.5°	148.5°	176.0°	178.0°	178.5°

Time Allowances in secs/NM							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	1445.9	1191.3	1055.7	969.4	922.6	917.1	942.5
52°	935.3	786.0	697.6	640.2	615.6	609.4	617.8
60°	879.1	744.1	660.1	614.1	593.5	585.2	586.3
75°	827.2	688.6	615.9	593.2	575.6	562.6	552.9
90°	773.1	642.8	586.5	562.1	552.5	545.3	526.4
110°	770.8	640.0	584.4	556.0	531.6	510.0	491.1
120°	800.3	660.3	593.2	562.2	536.7	512.1	473.8
135°	887.3	722.4	625.5	581.1	554.3	529.5	485.5
150°	1035.6	826.0	707.1	634.9	593.7	569.4	528.8
Run VMG	1195.8	953.8	816.5	733.1	658.4	607.0	556.4
Selected Courses							
Windward / Leeward	1320.9	1072.5	936.1	851.2	790.5	762.0	749.4
All purpose	1009.5	829.0	732.2	677.3	643.4	626.1	612.6

Single Number Scoring Options		
Course	Time On Distance	Time On Time
Windward / Leeward	887.7	0.6759
All purpose	704.9	0.8512

Custom scoring options for Estonia

Single Number	Time On Distance	Time On Time
Coastal/Long Distance	772.4	0.7768
Triple Number Coastal/Long Distance Low	919.3	0.6527
Triple Number Coastal/Long Distance Medium	699.7	0.8575
Triple Number Coastal/Long Distance High	625.3	0.9595
Triple Number Windward/Leeward Low	1196.6	0.5014
Triple Number Windward/Leeward Medium	882.7	0.6797
Triple Number Windward/Leeward High	764.4	0.7849

Performance Curve	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Coastal/Long Distance	1308.4	1001.7	834.1	728.7	668.8	630.8	573.1