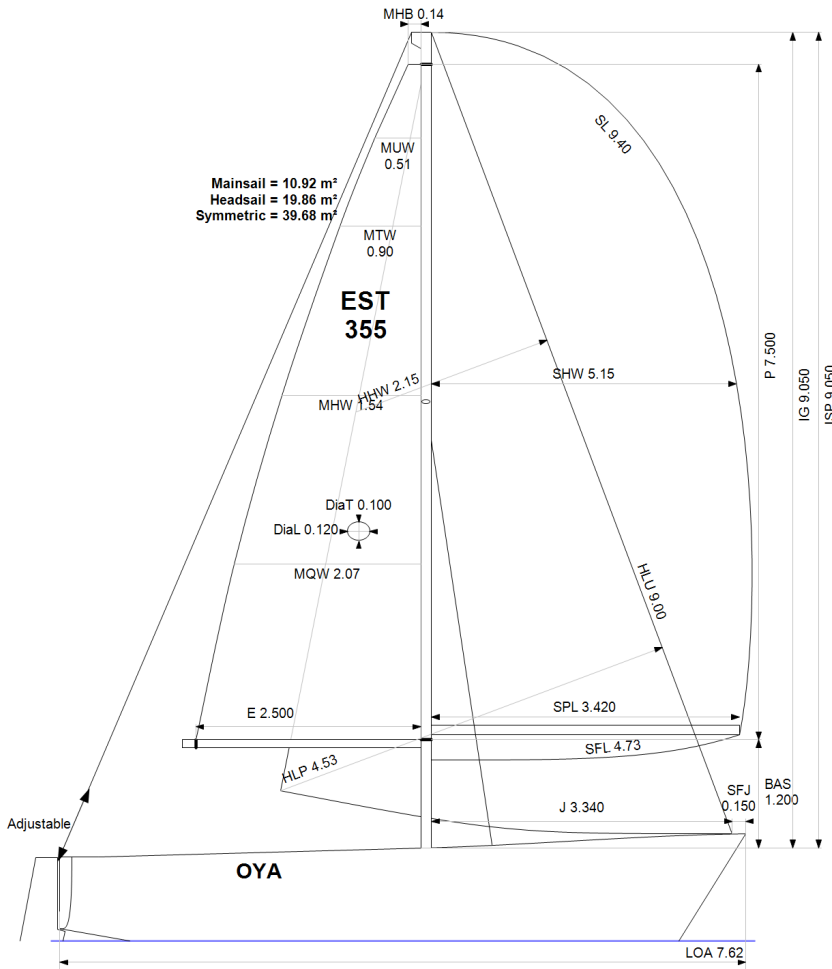


GPH = 808.6 **CDL = 5.681**



BOAT

Class **MAXI77**
Designer
Builder **Petterson**
Age Date **01/1981**
Series Date **01/1971**
Offset File **H139.off**

HULL

Length Overall **7.620 m**
Maximum Beam **2.828 m**
Draft **1.487 m**
Displacement **2,340 kg**
DLR **7.2101**
IMS Division **Cruiser/Racer**
Dynamic Allowance **0.422%**
Age Allowance **0.487%**

PROPELLER

Installation **Strut**
Type **Folding 2 blades**
Diameter **0.360m**

CREW

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

SAIL AREAS (m²)

	Measured	Rated
Mainsail	10.92	11.09
Headsail Luffed	19.86	19.86
Headsail Flying		
Symmetric	39.68	39.68
Asymmetric		

SAIL LIMITATIONS

Headsails **5 * Woven polyester sails**
Spinnakers **4**

STABILITY

Righting Moment **42.5 kg·m**
Stability Index **N/A**

COMMENTS

2340kg

OWNER

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°	42.8°	42.0°	42.4°	41.6°	41.6°	43.1°
Beat VMG	2.50	3.01	3.37	3.68	3.89	3.94	3.81
52°	3.87	4.56	5.10	5.50	5.72	5.80	5.75
60°	4.10	4.81	5.36	5.71	5.89	6.00	6.00
75°	4.29	5.04	5.58	5.87	6.06	6.20	6.36
90°	4.27	5.17	5.78	6.07	6.20	6.29	6.62
110°	4.42	5.34	5.89	6.20	6.49	6.76	7.02
120°	4.31	5.24	5.84	6.17	6.46	6.77	7.30
135°	3.92	4.83	5.59	5.99	6.28	6.58	7.20
150°	3.40	4.29	5.05	5.68	6.02	6.28	6.85
Run VMG	2.95	3.72	4.40	5.03	5.58	5.94	6.46
Gybe Angles	148.5°	152.0°	154.0°	166.0°	180.0°	180.0°	180.0°

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

Time Allowances in secs/NM							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	1437.9	1197.8	1069.6	979.1	925.8	914.1	943.7
52°	930.8	790.1	706.2	654.3	629.4	620.4	625.6
60°	877.5	749.0	671.3	631.0	610.7	600.4	599.9
75°	838.2	714.8	645.6	613.4	594.3	580.3	566.3
90°	842.8	696.8	622.7	592.9	581.0	571.9	544.0
110°	815.4	674.0	610.7	580.2	554.8	532.8	512.5
120°	836.0	686.8	616.1	583.6	557.7	531.9	493.4
135°	918.5	744.7	643.8	600.5	573.2	546.9	499.7
150°	1058.6	838.9	712.6	634.3	598.2	573.1	525.2
Run VMG	1222.4	966.9	818.5	716.2	644.7	605.7	557.1
Selected Courses							
Windward / Leeward	1330.1	1082.3	944.0	847.6	785.3	759.9	750.4
All purpose	1029.4	847.7	748.4	689.1	652.4	634.4	619.4

Single Number Scoring Options		
Course	Time On Distance	Time On Time
Windward / Leeward	888.4	0.6754
All purpose	717.5	0.8362

Custom scoring options for Estonia

Single Number	Time On Distance	Time On Time
Coastal/Long Distance	782.9	0.7664
Triple Number Coastal/Long Distance Low	938.5	0.6393
Triple Number Coastal/Long Distance Medium	712.9	0.8416
Triple Number Coastal/Long Distance High	633.3	0.9474
Triple Number Windward/Leeward Low	1206.3	0.4974
Triple Number Windward/Leeward Medium	883.8	0.6789
Triple Number Windward/Leeward High	762.7	0.7867

Performance Curve	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Coastal/Long Distance	1319.4	1014.4	846.1	737.8	678.9	641.6	584.7

