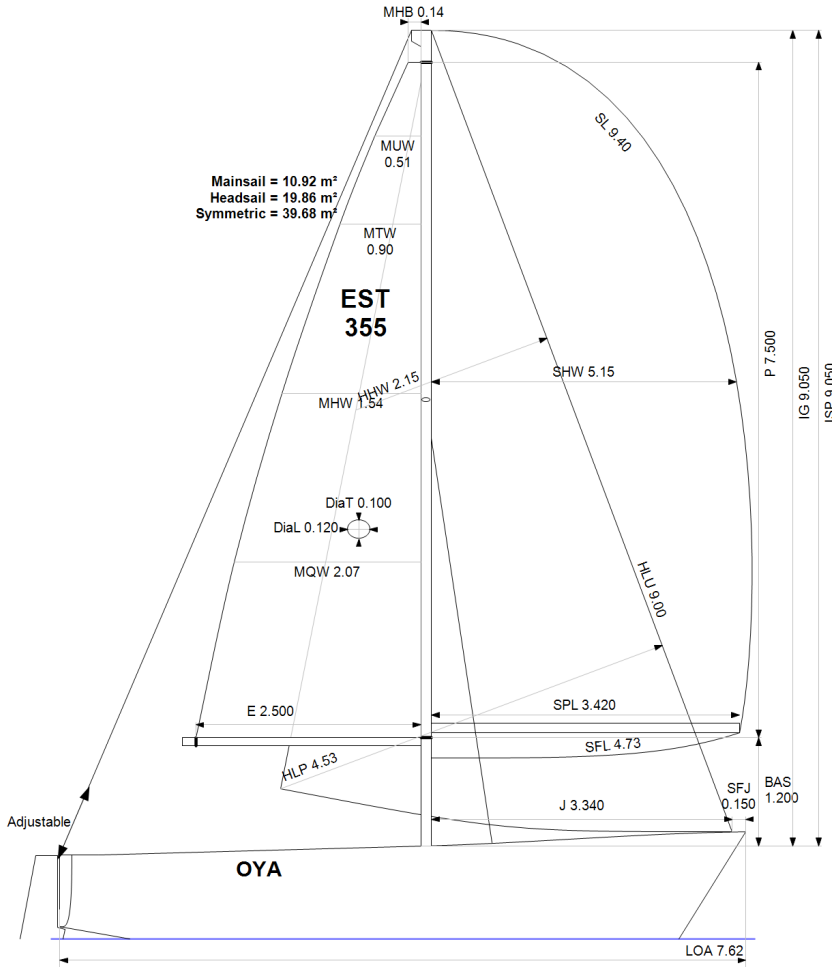


GPH = 801.2 **CDL = 5.716**



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 **0.423%**
Age Allowance **0.487%**

PROPELLER

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

CREW

Maximum weight **500 kg**
Minimum weight **375 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	44.6°	43.9°	44.3°	43.9°	41.6°	39.8°	40.3°
Beat VMG	2.51	3.01	3.38	3.70	3.98	4.20	4.26
52°	3.89	4.61	5.20	5.59	5.81	5.96	6.09
60°	4.13	4.88	5.47	5.78	5.97	6.12	6.31
75°	4.32	5.09	5.64	5.93	6.12	6.29	6.62
90°	4.30	5.24	5.85	6.15	6.40	6.61	6.80
110°	4.42	5.37	5.92	6.24	6.55	6.88	7.41
120°	4.31	5.25	5.86	6.18	6.48	6.81	7.44
135°	3.92	4.83	5.59	6.00	6.28	6.59	7.22
150°	3.40	4.29	5.05	5.68	6.02	6.28	6.86
Run VMG	2.94	3.72	4.40	5.03	5.59	5.95	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	1436.1	1194.3	1066.1	972.0	904.7	857.4	845.4
52°	925.5	780.1	693.0	644.4	620.0	603.6	591.3
60°	871.2	737.1	658.7	622.6	603.4	588.6	570.9
75°	834.1	706.6	638.3	607.4	588.2	572.3	543.5
90°	837.5	686.9	615.5	585.2	562.5	544.6	529.6
110°	813.6	670.6	608.1	577.0	549.4	523.5	485.7
120°	835.6	685.3	614.9	582.3	555.5	528.4	483.8
135°	918.7	744.8	643.6	600.3	573.0	546.5	498.9
150°	1058.8	839.0	712.6	634.1	598.1	573.0	525.1
Run VMG	1222.6	966.9	818.4	715.9	644.5	605.5	557.0
Selected Courses							
Windward / Leeward	1329.3	1080.6	942.3	843.9	774.6	731.4	701.2
All purpose	1027.3	843.6	744.4	684.6	643.5	615.4	586.9

Single Number Scoring Options		
Course	Time On Distance	Time On Time
Windward / Leeward	879.3	0.6824
All purpose	709.6	0.8456

Custom scoring options for Estonia

Single Number	Time On Distance	Time On Time
Coastal/Long Distance	775.4	0.7738
Triple Number Coastal/Long Distance Low	935.5	0.6414
Triple Number Coastal/Long Distance Medium	707.5	0.8480
Triple Number Coastal/Long Distance High	611.7	0.9808
Triple Number Windward/Leeward Low	1205.1	0.4979
Triple Number Windward/Leeward Medium	879.1	0.6825
Triple Number Windward/Leeward High	730.9	0.8209

Performance Curve	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Coastal/Long Distance	1318.6	1011.9	843.0	733.3	669.6	623.1	562.3

