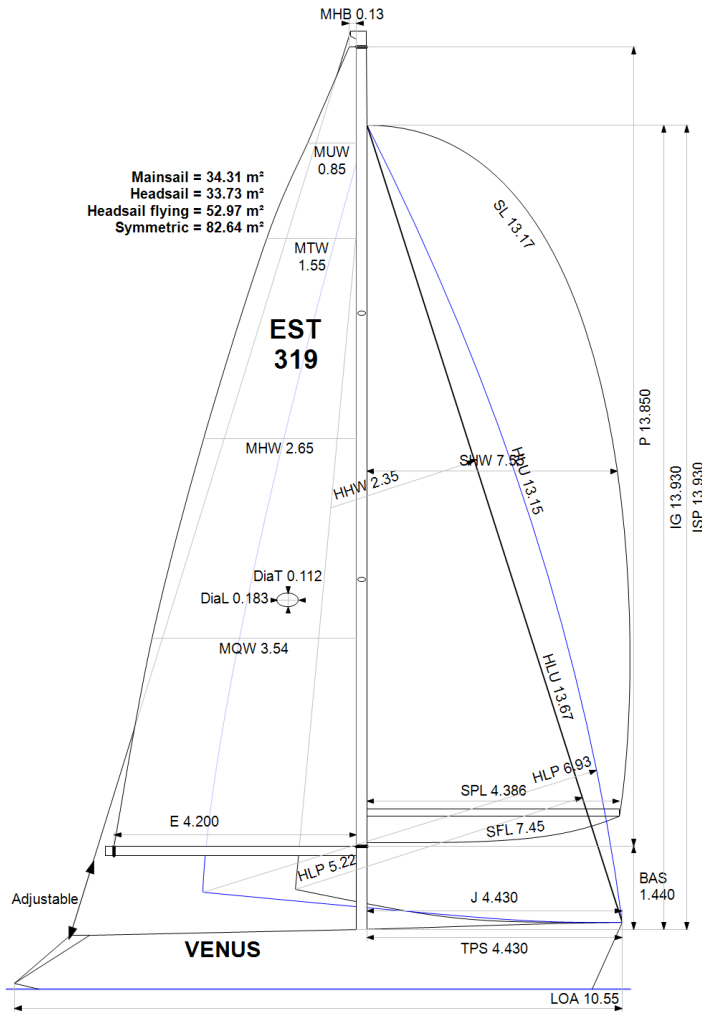


GPH = 644.1 **CDL = 8.845**



BOAT

Class **RIDAS 35**
Designer **LÖNNGREN**
Builder **RIDAS JAHT**
Age Date **05/2002**
Series Date **06/1997**
Offset File **est220.bof**

HULL

Length Overall **10.546 m**
Maximum Beam **3.624 m**
Draft **2.025 m**
Displacement **6,462 kg**
DLR **7.2630**
IMS Division **Cruiser/Racer**
Dynamic Allowance **0.319%**
Age Allowance **0.487%**

PROPELLER

Installation **Strut**
Type **Folding 2 blades**
Diameter **0.400m**

CREW

Maximum weight **550 kg**
Minimum weight **413 kg * when applied**
Non Manual Power **No**
Crew Arm Extension

SAIL AREAS (m²)

	Measured	Rated
Mainsail	34.31	34.80
Headsail Luffed	33.73	33.73
Headsail Flying	52.97	52.97
Symmetric	82.64	82.64
Asymmetric		

SAIL LIMITATIONS

Headsails **5**
Spinnakers **4**

STABILITY

Righting Moment **124.3 kg·m**
Stability Index **114.1**

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	42.8°	40.5°	40.5°	39.8°	38.8°	38.3°	38.4°
Beat VMG	3.28	3.94	4.46	4.84	5.02	5.10	5.12
52°	5.10	6.06	6.66	6.91	7.08	7.15	7.19
60°	5.50	6.47	6.94	7.13	7.24	7.33	7.39
75°	5.91	6.79	7.17	7.39	7.54	7.64	7.76
90°	6.00	6.85	7.23	7.50	7.74	7.97	8.24
110°	5.53	6.55	7.14	7.48	7.79	8.08	8.42
120°	5.28	6.40	7.06	7.42	7.74	8.09	8.72
135°	4.79	5.83	6.70	7.17	7.50	7.83	8.59
150°	4.04	5.08	5.97	6.73	7.17	7.47	8.13
Run VMG	3.50	4.40	5.18	5.90	6.54	7.03	7.64
Gybe Angles	146.0°	150.5°	152.0°	156.5°	180.0°	180.0°	180.0°

Time Allowances in secs/NM							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	1096.6	913.2	807.8	744.1	716.9	705.5	703.6
52°	705.3	593.8	540.3	521.0	508.7	503.7	500.7
60°	654.9	556.6	519.0	505.0	497.2	490.9	486.8
75°	608.7	530.2	502.2	487.1	477.4	471.2	464.0
90°	600.5	525.4	497.8	480.0	464.9	451.9	436.8
110°	650.6	549.5	504.3	481.4	461.9	445.8	427.6
120°	682.4	562.8	509.9	485.2	465.0	444.8	412.7
135°	752.0	617.9	537.5	502.0	480.3	459.7	419.0
150°	890.6	708.0	602.6	534.6	502.4	481.9	442.9
Run VMG	1028.3	817.5	694.7	609.8	550.4	512.1	471.0
Selected Courses							
Windward / Leeward	1062.5	865.4	751.3	676.9	633.6	608.8	587.3
All purpose	805.4	668.5	596.0	554.0	528.2	513.1	494.9

Single Number Scoring Options		
Course	Time On Distance	Time On Time
Windward / Leeward	710.0	0.8451
All purpose	574.2	1.0449

Custom scoring options for Estonia

Single Number	Time On Distance	Time On Time
Coastal/Long Distance	628.1	0.9553
Triple Number Coastal/Long Distance Low	736.9	0.8142
Triple Number Coastal/Long Distance Medium	571.1	1.0506
Triple Number Coastal/Long Distance High	510.0	1.1764
Triple Number Windward/Leeward Low	964.0	0.6224
Triple Number Windward/Leeward Medium	706.6	0.8491
Triple Number Windward/Leeward High	607.0	0.9885

Performance Curve	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Coastal/Long Distance	1059.1	810.0	674.3	591.4	549.9	519.5	474.0