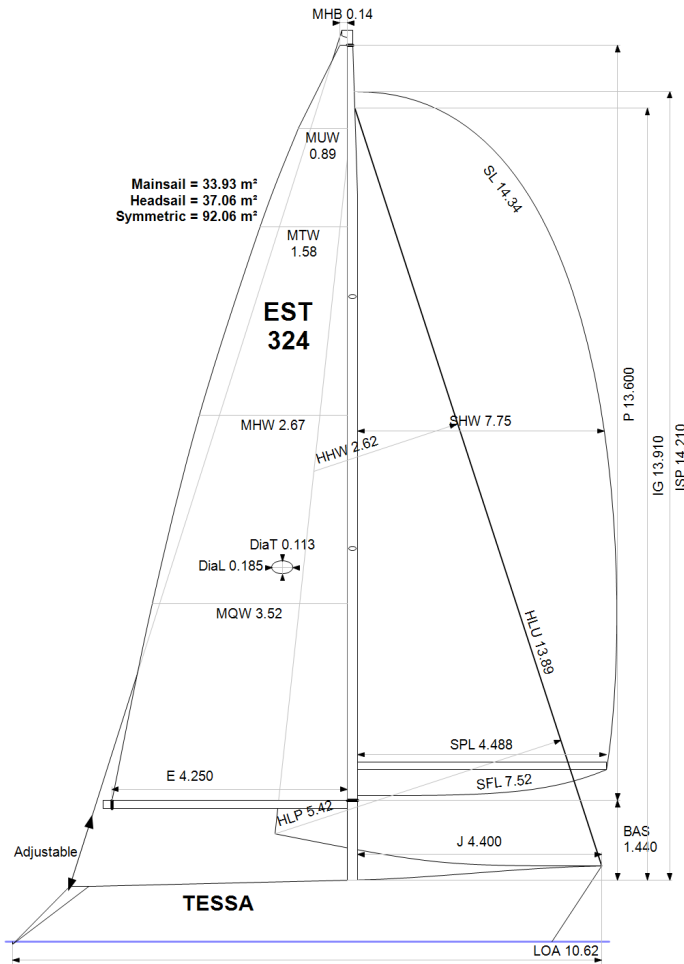


GPH = 648.2 **CDL = 8.839**



BOAT

Class **Ridas 35**
Designer **Lönngren/Ridas**
Builder **Ridas Jaht**
Age Date **04/2002**
Series Date **06/1997**
Offset File **EST220.BOF**

HULL

Length Overall **10.620 m**
Maximum Beam **3.624 m**
Draft **2.035 m**
Displacement **6,241 kg**
DLR **6.9448**
IMS Division **Cruiser/Racer**
Dynamic Allowance **0.266%**
Age Allowance **0.487%**

PROPELLER

Installation **Strut**
Type **Folding 2 blades**
Diameter **0.410m**

CREW

Maximum weight **660 kg**
Minimum weight **495 kg** * when applied
Non Manual Power **No**
Crew Arm Extension

SAIL AREAS (m²)

	Measured	Rated
Mainsail	33.93	34.44
Headsail Luffed	37.06	37.06
Headsail Flying		
Symmetric	92.06	92.06
Asymmetric		

SAIL LIMITATIONS

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

STABILITY

Righting Moment **141.7 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	42.8°	40.9°	40.5°	39.4°	38.3°	37.5°	37.5°
Beat VMG	3.29	3.95	4.48	4.86	5.05	5.14	5.17
52°	5.02	5.92	6.56	6.89	7.05	7.12	7.17
60°	5.30	6.21	6.76	7.04	7.21	7.30	7.37
75°	5.51	6.43	6.91	7.17	7.37	7.54	7.74
90°	5.44	6.42	7.01	7.30	7.44	7.65	8.06
110°	5.44	6.56	7.12	7.46	7.79	8.09	8.44
120°	5.30	6.42	7.05	7.41	7.75	8.12	8.76
135°	4.82	5.88	6.72	7.17	7.50	7.86	8.65
150°	4.07	5.12	6.03	6.76	7.17	7.48	8.16
Run VMG	3.53	4.43	5.22	5.94	6.56	7.03	7.65
Gybe Angles	146.0°	150.0°	151.0°	157.0°	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	1095.7	912.4	804.3	740.2	713.0	700.9	696.5
52°	717.2	608.3	548.8	522.8	510.8	505.7	502.2
60°	678.8	579.5	532.8	511.5	499.6	493.2	488.5
75°	653.1	560.0	521.3	502.1	488.2	477.3	464.9
90°	661.2	560.4	513.2	493.2	484.0	470.6	446.4
110°	661.6	549.2	505.6	482.4	462.0	444.8	426.8
120°	679.6	561.0	510.6	485.8	464.4	443.1	410.8
135°	746.5	612.1	535.3	501.8	479.7	457.9	416.3
150°	884.0	703.4	597.4	532.6	502.2	481.5	440.9
Run VMG	1020.8	812.3	689.1	606.1	548.5	512.0	470.7
Selected Courses							
Windward / Leeward	1058.2	862.4	746.7	673.2	630.8	606.5	583.6
All purpose	816.0	674.9	598.6	555.7	530.3	514.4	494.0

Single Number Scoring Options		
Course	Time On Distance	Time On Time
Windward / Leeward	706.4	0.8494
All purpose	576.9	1.0400

Custom scoring options for Estonia

Single Number	Time On Distance	Time On Time
Coastal/Long Distance	628.8	0.9542
Triple Number Coastal/Long Distance Low	745.4	0.8049
Triple Number Coastal/Long Distance Medium	573.6	1.0461
Triple Number Coastal/Long Distance High	510.7	1.1748
Triple Number Windward/Leeward Low	960.3	0.6248
Triple Number Windward/Leeward Medium	702.8	0.8537
Triple Number Windward/Leeward High	604.0	0.9934

Performance Curve	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Coastal/Long Distance	1054.5	810.1	673.6	591.8	551.4	521.5	474.9

