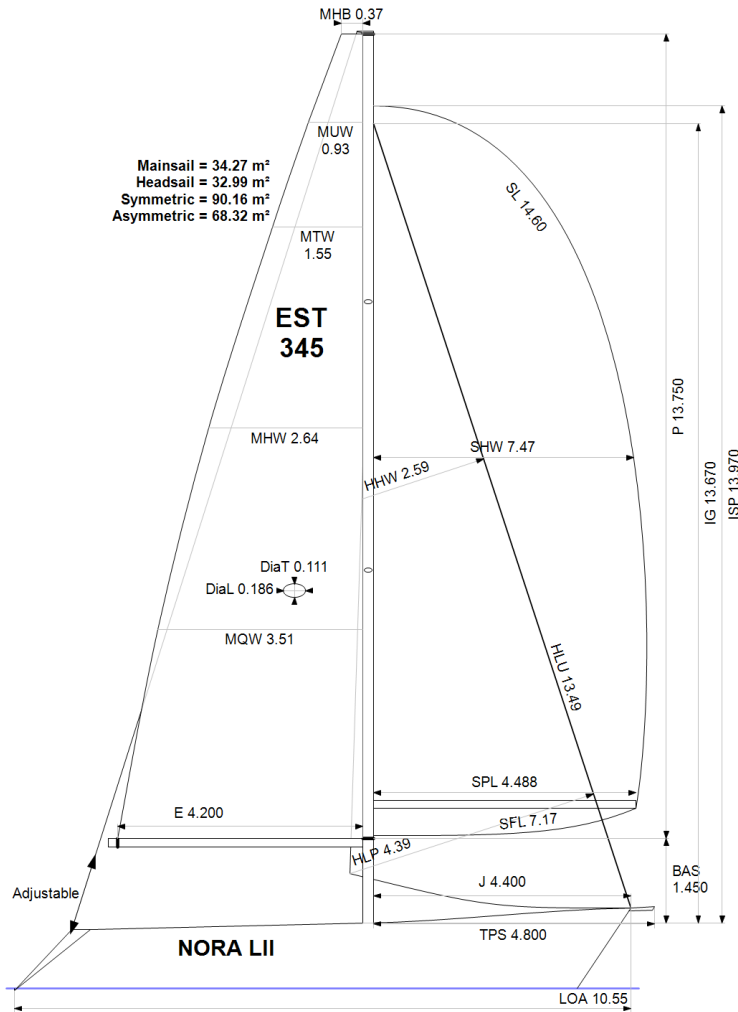


GPH = 647.8 **CDL = 8.754**



BOAT

Class **Ridas 35**
Designer **Lönngren/Ridas**
Builder **Ridas Jaht**
Age Date **04/2003**
Series Date **06/1997**
Offset File **EST220.BOF**

HULL

Length Overall **10.546 m**
Maximum Beam **3.624 m**
Draft **2.028 m**
Displacement **6,094 kg**
DLR **6.8608**
IMS Division **Cruiser/Racer**
Dynamic Allowance **0.249%**
Age Allowance **0.487%**

PROPELLER

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

CREW

Maximum weight **800 kg**
Minimum weight **600 kg * when applied**
Non Manual Power **No**
Crew Arm Extension

SAIL AREAS (m²)

	Measured	Rated
Mainsail	34.27	34.76
Headsail Luffed	32.99	32.99
Headsail Flying		
Symmetric	90.16	90.16
Asymmetric	68.31	74.94

* 1 asymmetric(s) with SHW/SFL < 85%

SAIL LIMITATIONS

Headsails **5**
Spinnakers **4** * Asymmetric may be tacked on the pole

STABILITY

Righting Moment **138.9 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°	41.6°	41.3°	39.8°	38.3°	37.9°	37.5°
Beat VMG	3.21	3.87	4.40	4.82	5.05	5.14	5.18
52°	4.93	5.83	6.50	6.87	7.05	7.13	7.19
60°	5.21	6.14	6.74	7.02	7.20	7.31	7.39
75°	5.64	6.61	7.06	7.30	7.44	7.55	7.78
90°	5.84	6.80	7.22	7.52	7.79	8.00	8.25
110°	5.61	6.65	7.15	7.49	7.83	8.17	8.77
120°	5.32	6.41	7.06	7.43	7.78	8.16	8.84
135°	4.80	5.86	6.72	7.18	7.51	7.88	8.68
150°	4.04	5.09	6.01	6.76	7.17	7.48	8.18
Run VMG	3.50	4.41	5.21	5.93	6.56	7.04	7.66
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	1120.9	929.5	818.9	747.0	713.5	700.9	694.8
52°	730.9	617.4	553.6	524.3	510.7	504.9	501.0
60°	691.6	586.5	534.5	512.8	499.8	492.2	486.9
75°	637.7	544.4	510.1	493.3	484.0	476.7	462.6
90°	616.3	529.4	498.6	478.9	462.2	450.0	436.3
110°	641.3	541.2	503.4	480.9	459.5	440.8	410.6
120°	677.1	561.3	509.7	484.8	462.9	441.2	407.0
135°	750.0	614.3	535.4	501.5	479.2	457.1	414.9
150°	890.4	707.0	599.5	532.7	501.9	481.1	440.0
Run VMG	1028.1	816.4	691.6	606.9	548.7	511.5	470.0
Selected Courses							
Windward / Leeward	1074.5	873.0	755.2	676.9	631.1	606.2	582.4
All purpose	817.3	675.4	600.0	555.0	527.6	511.4	490.3

Single Number Scoring Options		
Course	Time On Distance	Time On Time
Windward / Leeward	711.1	0.8438
All purpose	576.1	1.0415

Custom scoring options for Estonia

Single Number	Time On Distance	Time On Time
Coastal/Long Distance	630.1	0.9522
Triple Number Coastal/Long Distance Low	746.4	0.8039
Triple Number Coastal/Long Distance Medium	573.2	1.0468
Triple Number Coastal/Long Distance High	507.5	1.1822
Triple Number Windward/Leeward Low	973.7	0.6162
Triple Number Windward/Leeward Medium	707.9	0.8476
Triple Number Windward/Leeward High	603.5	0.9942

Performance Curve	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Coastal/Long Distance	1069.9	817.6	678.6	592.6	548.5	517.7	471.2