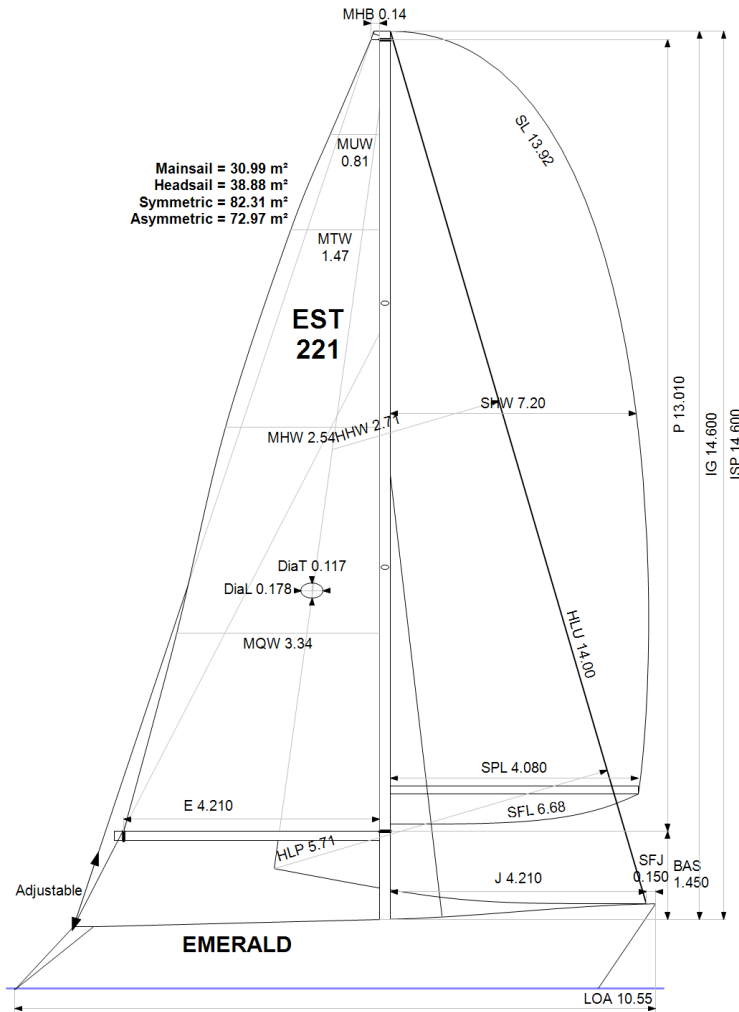


GPH = 649.4 **CDL = 8.832**



BOAT

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

HULL

Length Overall **10.546 m**
Maximum Beam **3.624 m**
Draft **2.012 m**
Displacement **5,791 kg**
DLR **6.7016**
IMS Division **Cruiser/Racer**
Dynamic Allowance **0.287%**
Age Allowance **0.487%**

PROPELLER

Installation **Strut**
Type **Folding 3 blades**
Diameter **0.410m**

CREW

Maximum weight **600 kg**
Minimum weight **450 kg * when applied**
Non Manual Power **No**
Crew Arm Extension

SAIL AREAS (m²)

	Measured	Rated
Mainsail	30.99	31.37
Headsail Luffed	38.88	38.88
Headsail Flying		
Symmetric	82.31	82.31
Asymmetric	72.97	72.97

* All asymmetric spinnakers with SHW/SFL > 85%

SAIL LIMITATIONS

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

STABILITY

Righting Moment **126.3 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	42.4°	40.7°	40.5°	39.0°	38.3°	37.9°	38.3°
Beat VMG	3.33	4.00	4.54	4.88	5.02	5.09	5.09
52°	5.08	5.99	6.61	6.91	7.04	7.10	7.13
60°	5.36	6.27	6.80	7.06	7.21	7.28	7.33
75°	5.58	6.48	6.94	7.20	7.39	7.55	7.71
90°	5.49	6.44	7.00	7.30	7.47	7.67	8.07
110°	5.36	6.47	7.06	7.41	7.73	8.06	8.48
120°	5.19	6.31	6.99	7.36	7.71	8.07	8.73
135°	4.71	5.78	6.64	7.12	7.46	7.81	8.61
150°	4.00	5.05	5.95	6.69	7.12	7.43	8.12
Run VMG	3.47	4.37	5.16	5.87	6.50	6.98	7.61
Gybe Angles	146.0°	150.0°	152.0°	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	1080.6	898.9	793.0	737.7	716.5	707.0	707.5
52°	709.0	600.7	544.5	521.4	511.5	507.3	504.9
60°	671.5	573.7	529.6	510.1	499.4	494.4	491.2
75°	645.7	555.7	518.7	500.1	486.9	476.5	466.9
90°	656.0	558.9	514.5	493.3	482.1	469.4	446.3
110°	672.0	556.7	509.7	485.8	465.6	446.8	424.8
120°	693.8	570.6	515.4	489.2	467.1	446.0	412.5
135°	764.7	622.9	542.1	505.6	482.8	460.7	418.2
150°	899.7	712.7	605.4	538.4	505.7	484.3	443.1
Run VMG	1038.9	823.0	697.8	613.7	554.2	515.6	473.0
Selected Courses							
Windward / Leeward	1059.8	861.0	745.4	675.7	635.3	611.3	590.3
All purpose	817.4	674.8	598.4	557.0	532.5	516.9	497.4

Single Number Scoring Options		
Course	Time On Distance	Time On Time
Windward / Leeward	708.6	0.8468
All purpose	578.2	1.0377

Custom scoring options for Estonia

Single Number	Time On Distance	Time On Time
Coastal/Long Distance	630.1	0.9523
Triple Number Coastal/Long Distance Low	746.1	0.8042
Triple Number Coastal/Long Distance Medium	574.5	1.0444
Triple Number Coastal/Long Distance High	513.5	1.1685
Triple Number Windward/Leeward Low	960.3	0.6248
Triple Number Windward/Leeward Medium	704.3	0.8519
Triple Number Windward/Leeward High	609.4	0.9845

Performance Curve	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Coastal/Long Distance	1057.7	809.6	673.1	593.3	553.7	524.1	477.5