

GPH = 760.3 **CDL = 5.900**

BOAT

Class **RJ 85**
Designer
Builder **Jakobssen**
Age Date **01/1976**
Series Date **01/1969**
Offset File **RJ85_CL.off**

HULL

Length Overall **8.550 m**
Maximum Beam **2.012 m**
Draft **1.218 m**
Displacement **2,300 kg**
DLR **8.4521**
IMS Division **Cruiser/Racer**
Dynamic Allowance **0.351%**
Age Allowance **0.487%**

PROPELLER

Installation **No Propeller**
Type **N/A**
Diameter **N/A**

CREW

Maximum weight **320 kg**
Minimum weight **235 kg * when applied**
Non Manual Power **No**
Crew Arm Extension

SAIL AREAS (m²)

	Measured	Rated
Mainsail	17.58	18.13
Headsail Luffed	19.61	19.61
Headsail Flying		
Symmetric	44.36	44.36
Asymmetric		

SAIL LIMITATIONS

Headsails **5** * Woven polyester sails
Spinnakers **4**

STABILITY

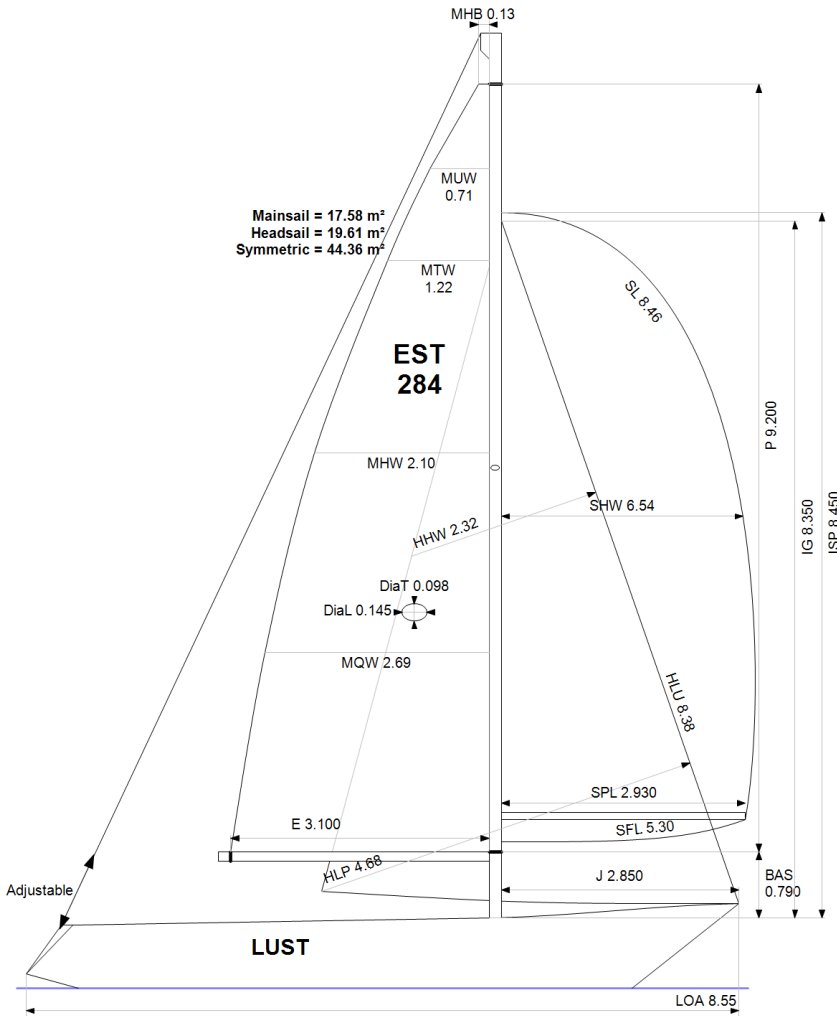
Righting Moment **22.9 kg·m**
Stability Index **N/A**

COMMENTS

Kaal koos pãramootoriga

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	43.5°	42.4°	42.8°	42.4°	42.2°	42.4°	43.1°
Beat VMG	2.80	3.35	3.72	3.87	3.93	3.95	3.93
52°	4.31	5.10	5.58	5.74	5.81	5.84	5.84
60°	4.59	5.38	5.79	5.94	6.01	6.04	6.04
75°	4.83	5.60	5.95	6.13	6.24	6.31	6.35
90°	4.78	5.63	6.00	6.21	6.39	6.54	6.72
110°	4.84	5.77	6.16	6.43	6.62	6.77	7.02
120°	4.65	5.68	6.13	6.43	6.74	7.02	7.32
135°	4.16	5.18	5.92	6.26	6.57	6.91	7.59
150°	3.58	4.51	5.38	5.97	6.27	6.56	7.22
Run VMG	3.10	3.91	4.67	5.36	5.88	6.20	6.77
Gybe Angles	148.0°	152.0°	151.0°	165.5°	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	1287.7	1073.9	968.7	930.0	915.6	910.3	917.0
52°	834.5	705.8	645.0	626.7	619.5	616.4	616.0
60°	783.7	668.7	622.2	605.9	599.3	596.3	595.9
75°	745.7	642.7	605.2	587.1	576.5	570.8	567.1
90°	753.7	639.5	599.6	579.3	563.3	550.6	536.0
110°	744.4	624.3	584.0	559.6	543.5	531.8	513.1
120°	773.8	633.9	587.6	559.7	534.0	513.1	491.9
135°	866.4	695.3	607.9	575.4	548.2	520.8	474.0
150°	1004.9	798.6	668.7	603.0	574.1	548.7	498.4
Run VMG	1160.4	921.8	770.9	671.5	612.0	580.9	531.6
Selected Courses							
Windward / Leeward	1224.0	997.9	869.8	800.7	763.8	745.6	724.3
All purpose	940.5	777.2	696.5	657.8	635.3	621.7	604.1

Single Number Scoring Options		
Course	Time On Distance	Time On Time
Windward / Leeward	838.7	0.7154
All purpose	680.8	0.8813

Custom scoring options for Estonia

Single Number	Time On Distance	Time On Time
Coastal/Long Distance	742.0	0.8086
Triple Number Coastal/Long Distance Low	858.9	0.6986
Triple Number Coastal/Long Distance Medium	675.0	0.8889
Triple Number Coastal/Long Distance High	618.5	0.9701
Triple Number Windward/Leeward Low	1110.9	0.5401
Triple Number Windward/Leeward Medium	830.9	0.7221
Triple Number Windward/Leeward High	742.2	0.8084

Performance Curve	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Coastal/Long Distance	1217.7	935.3	783.8	702.9	660.3	626.9	573.9