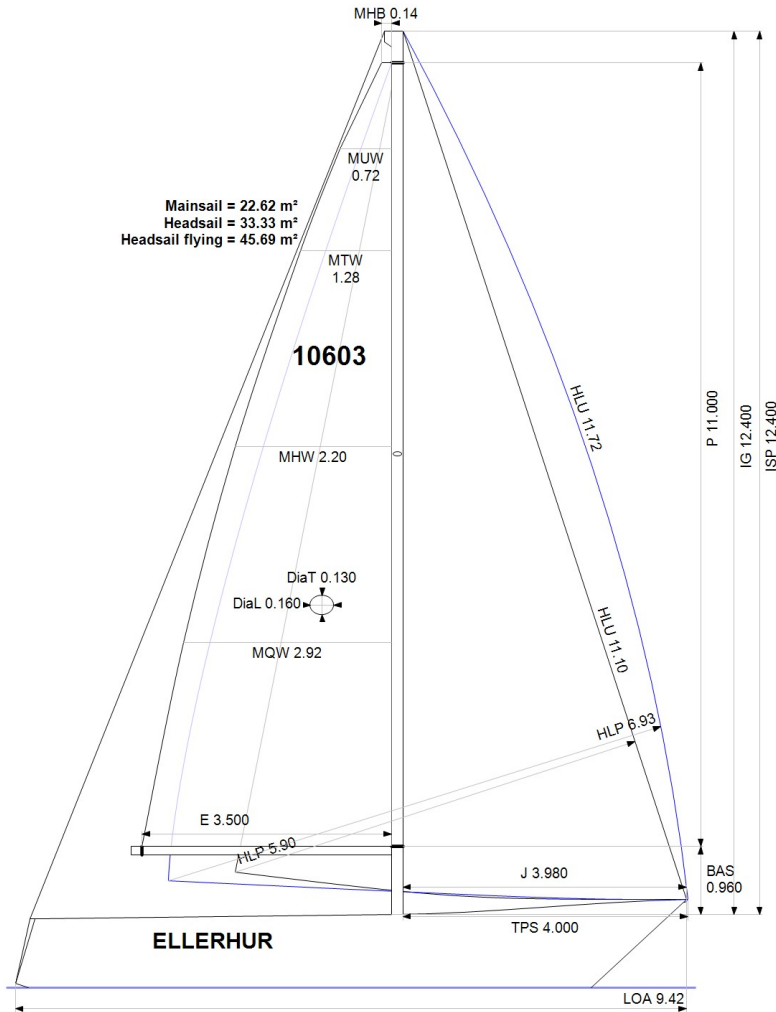


GPH = 739.5 **CDL = 6.851**



BOAT

Class **Hallberg Rassy 312**
Designer **Christoph Rassy / hallbeg rassy**
Builder **01/1981**
Age Date **01/1981**
Series Date **CLHR312.off**
Offset File

HULL

Length Overall **9.420 m**
Maximum Beam **3.090 m**
Draft **1.596 m**
Displacement **4,900 kg**
DLR **10.7336**
IMS Division **Cruiser/Racer**
Dynamic Allowance **0.667%**
Age Allowance **0.487%**

PROPELLER

Installation **Strut**
Type **Folding 3 blades**
Diameter **0.300m**

CREW

Maximum weight **474 kg**
Minimum weight **356 kg * when applied**
Non Manual Power **No**
Crew Arm Extension

SAIL AREAS (m²)

	Measured	Rated
Mainsail	22.62	22.96
Headsail Luffed	33.33	33.33
Headsail Flying	45.69	45.69

Symmetric
Asymmetric

SAIL LIMITATIONS

Headsails **5**
Spinnakers **0 * Spinnaker pole aboard**

STABILITY

Righting Moment **69.3 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	43.5°	42.0°	42.0°	41.8°	41.3°	40.9°	41.3°
Beat VMG	2.87	3.43	3.86	4.19	4.33	4.40	4.41
52°	4.48	5.30	5.86	6.13	6.29	6.35	6.39
60°	4.84	5.71	6.16	6.34	6.45	6.54	6.59
75°	5.26	6.05	6.39	6.59	6.72	6.81	6.93
90°	5.28	6.06	6.41	6.65	6.86	7.05	7.30
110°	4.80	5.67	6.27	6.58	6.86	7.14	7.61
120°	4.53	5.48	6.17	6.52	6.80	7.10	7.65
135°	4.12	5.03	5.83	6.31	6.59	6.86	7.42
150°	3.52	4.40	5.12	5.69	6.13	6.40	6.87
Run VMG	3.04	3.81	4.43	4.98	5.60	6.08	6.62
Gybe Angles	146.0°	147.0°	146.5°	173.0°	174.0°	178.0°	179.0°

Time Allowances in secs/NM							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	1254.5	1049.6	932.4	859.7	830.7	817.5	816.3
52°	803.9	678.8	614.4	587.0	572.8	566.9	563.6
60°	744.0	630.0	584.1	567.5	557.7	550.8	546.3
75°	684.9	594.9	562.9	546.2	535.4	528.3	519.4
90°	681.7	594.1	561.2	541.3	524.8	510.6	493.1
110°	750.5	635.2	574.2	546.8	525.0	504.1	473.1
120°	793.9	656.7	583.6	552.2	529.3	507.2	470.5
135°	874.7	715.4	617.1	571.0	545.9	524.9	484.9
150°	1023.9	818.4	703.5	632.7	587.4	562.6	524.3
Run VMG	1182.3	945.0	812.4	722.4	643.1	592.1	544.2
Selected Courses							
Windward / Leeward	1218.4	997.3	872.4	791.0	736.9	704.8	680.2
All purpose	923.1	767.6	684.3	636.7	607.4	588.8	566.9

Single Number Scoring Options		
Course	Time On Distance	Time On Time
Windward / Leeward	824.3	0.7279
All purpose	659.5	0.9098

Custom scoring options for Finland

Single Number	Time On Distance	Time On Time
FinRating (Coastal/Long Distance)	723.7	0.8291
Triple Number Coastal/Long Distance Low	845.4	0.7097
Triple Number Coastal/Long Distance Medium	656.2	0.9144
Triple Number Coastal/Long Distance High	585.3	1.0252
Triple Number Windward/Leeward Low	1107.8	0.5416
Triple Number Windward/Leeward Medium	821.8	0.7301
Triple Number Windward/Leeward High	703.6	0.8527

Performance Curve	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Coastal/Long Distance	1214.8	932.8	778.9	683.3	632.0	595.3	541.3