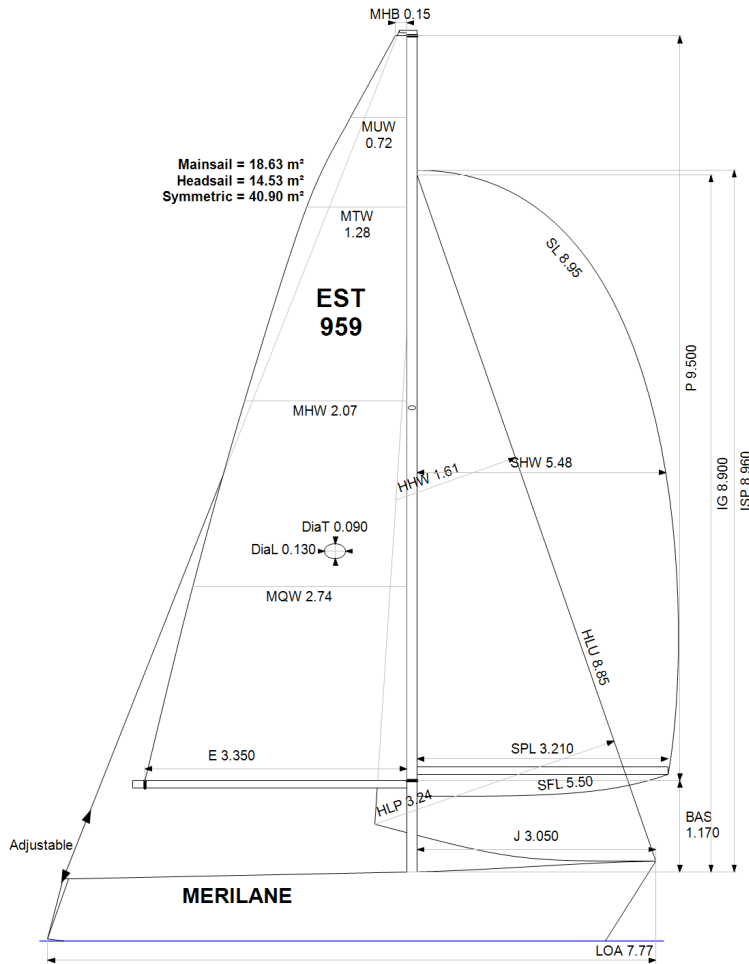


GPH = **737.0** CDL = **6.411**



BOAT

Class **ALBIN EXPRESS**
Designer **PETER NORLIN**
Builder **Albin Marin**
Age Date **01/1981**
Series Date **01/1978**
Offset File **L0016.bof**

HULL

Length Overall **7.770 m**
Maximum Beam **2.524 m**
Draft **1.441 m**
Displacement **1,900 kg**
DLR **5.5565**
IMS Division **Sportboat**
Dynamic Allowance **0.237%**
Age Allowance **0.487%**

PROPELLER

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

CREW

Maximum weight **177 kg**
Minimum weight **120 kg** * when applied
Non Manual Power **No**
Crew Arm Extension

SAIL AREAS (m²)

	Measured	Rated
Mainsail	18.63	18.98
Headsail Luffed	14.53	14.53
Headsail Flying		
Symmetric	40.90	40.90
Asymmetric		

SAIL LIMITATIONS

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

STABILITY

Righting Moment **33.9 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°	41.3°	40.9°	40.1°	39.8°	40.1°	41.3°
Beat VMG	2.91	3.48	3.90	4.12	4.17	4.16	4.12
52°	4.41	5.20	5.71	5.92	5.98	6.00	6.02
60°	4.65	5.45	5.87	6.07	6.16	6.19	6.21
75°	4.85	5.63	6.00	6.23	6.39	6.51	6.56
90°	4.93	5.81	6.18	6.33	6.51	6.73	7.03
110°	4.99	5.88	6.28	6.63	6.92	7.10	7.35
120°	4.84	5.78	6.22	6.58	6.96	7.33	7.75
135°	4.37	5.31	5.99	6.34	6.71	7.12	8.01
150°	3.69	4.64	5.47	6.04	6.36	6.71	7.51
Run VMG	3.19	4.02	4.76	5.45	5.96	6.29	6.98
Gybe Angles	148.0°	152.0°	153.0°	170.0°	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	1239.2	1035.0	923.0	873.8	863.5	865.1	873.4
52°	816.5	692.1	630.7	608.6	601.8	599.9	598.1
60°	774.5	661.0	612.9	593.1	584.2	581.1	580.0
75°	742.7	639.5	599.5	578.3	563.2	553.3	548.8
90°	730.5	620.1	582.8	569.1	553.2	534.9	512.3
110°	721.1	612.4	573.0	543.4	520.3	507.1	489.6
120°	743.3	622.8	578.3	547.5	517.2	491.3	464.5
135°	823.5	678.5	601.2	567.5	536.4	505.5	449.3
150°	975.8	776.2	658.0	596.3	565.7	536.3	479.5
Run VMG	1126.8	895.9	755.5	661.0	603.6	572.0	516.0
Selected Courses							
Windward / Leeward	1183.0	965.4	839.3	767.4	733.6	718.5	694.7
All purpose	911.1	756.6	677.7	636.8	613.7	599.6	579.0

Single Number Scoring Options		
Course	Time On Distance	Time On Time
Windward / Leeward	807.1	0.7434
All purpose	659.5	0.9098

Custom scoring options for Estonia

	Single Number	Time On Distance	Time On Time
Coastal/Long Distance		717.3	0.8365
Triple Number Coastal/Long Distance Low		833.9	0.7195
Triple Number Coastal/Long Distance Medium		654.7	0.9165
Triple Number Coastal/Long Distance High		595.4	1.0077
Triple Number Windward/Leeward Low		1074.3	0.5585
Triple Number Windward/Leeward Medium		799.4	0.7506
Triple Number Windward/Leeward High		713.4	0.8411

Performance Curve	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Coastal/Long Distance	1177.4	906.4	759.5	678.7	638.1	605.4	550.5

