

GPH = 731.1 **CDL = 6.214**

BOAT

Class **POLARIS**
Designer
Builder **SET**
Age Date
Series Date **01/1984**
Offset File **G2.BOF**

HULL

Length Overall **7.620 m**
Maximum Beam **2.706 m**
Draft **1.563 m**
Displacement **1,686 kg**
DLR **8.1085**
IMS Division **Performance**
Dynamic Allowance **0.209%**
Age Allowance **0.487%**

PROPELLER

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

CREW

Maximum weight **300 kg**
Minimum weight **215 kg** * when applied
Non Manual Power **No**
Crew Arm Extension

SAIL AREAS (m²)

	Measured	Rated
Mainsail	19.50	19.96
Headsail Luffed	11.79	11.79
Headsail Flying		
Symmetric	32.35	32.35
Asymmetric		

SAIL LIMITATIONS

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

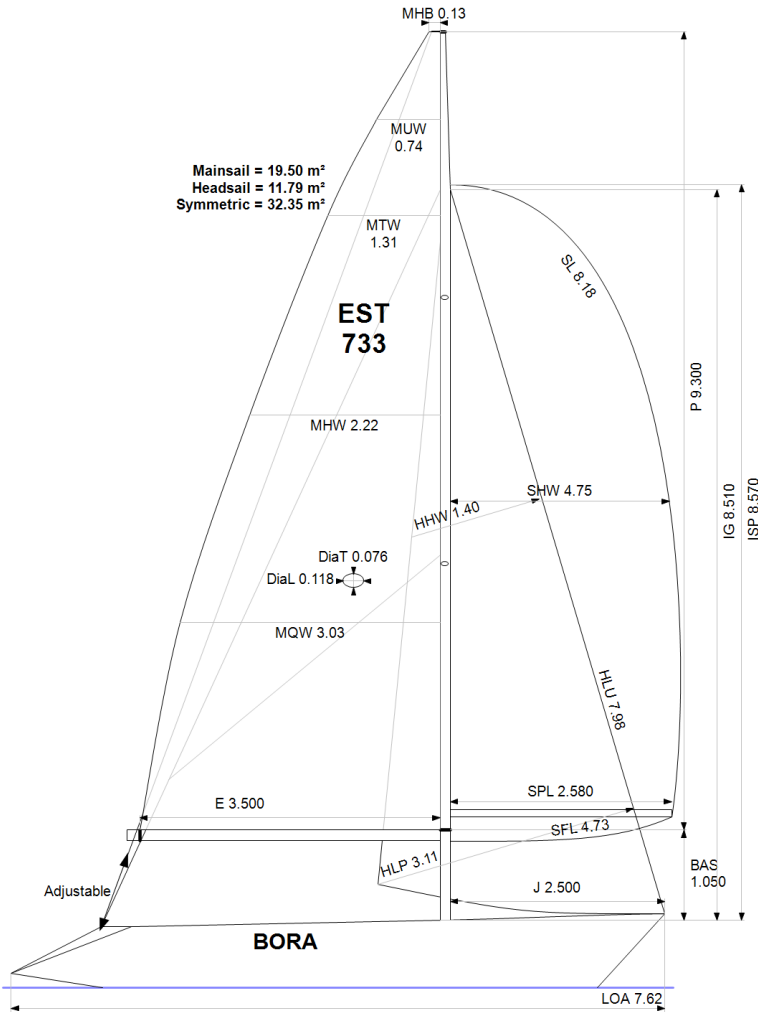
STABILITY

Righting Moment **30.0 kg·m**
Stability Index **N/A**

COMMENTS

Kaal koos pãramootoriga

OWNER



Rated boat velocities in knots

Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat Angles	41.6°	41.3°	39.8°	38.3°	37.9°	37.9°	38.6°
Beat VMG	2.98	3.56	4.01	4.27	4.36	4.39	4.36
52°	4.52	5.31	5.73	5.95	6.07	6.12	6.13
60°	4.76	5.52	5.87	6.09	6.24	6.33	6.37
75°	4.94	5.66	5.99	6.23	6.46	6.64	6.81
90°	4.99	5.79	6.17	6.46	6.63	6.80	7.18
110°	4.95	5.80	6.21	6.58	6.93	7.24	7.58
120°	4.76	5.68	6.12	6.48	6.85	7.21	7.90
135°	4.28	5.23	5.86	6.22	6.58	6.94	7.68
150°	3.66	4.59	5.40	5.92	6.25	6.59	7.26
Run VMG	3.17	3.98	4.71	5.37	5.87	6.20	6.85
Gybe Angles	148.0°	152.0°	155.0°	179.5°	180.0°	180.0°	180.0°

The owner certifies that he/she understands his/her responsibilities under ORC Rule and Regulations.

Time Allowances in secs/NM							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	1206.9	1011.3	897.6	843.0	826.2	821.0	826.3
52°	797.1	678.0	627.9	605.1	593.5	588.5	587.3
60°	756.7	652.3	613.1	591.3	576.8	569.0	564.8
75°	729.5	635.6	601.0	577.6	557.4	542.1	528.7
90°	721.4	621.3	583.0	557.1	542.7	529.1	501.2
110°	727.0	620.6	580.0	547.2	519.3	497.2	474.7
120°	755.6	634.3	588.3	555.4	525.5	499.6	455.8
135°	841.0	687.9	614.1	578.5	547.0	518.7	469.0
150°	984.8	784.4	666.1	608.3	575.9	546.3	495.9
Run VMG	1137.1	905.2	764.3	670.0	613.1	580.4	525.5
Selected Courses							
Windward / Leeward	1172.0	958.2	831.0	756.5	719.6	700.7	675.9
All purpose	904.4	753.7	676.1	630.7	606.5	589.6	566.7

Single Number Scoring Options		
Course	Time On Distance	Time On Time
Windward / Leeward	795.4	0.7544
All purpose	653.6	0.9180

Custom scoring options for Estonia

Single Number	Time On Distance	Time On Time
Coastal/Long Distance	710.8	0.8441
Triple Number Coastal/Long Distance Low	829.1	0.7237
Triple Number Coastal/Long Distance Medium	650.1	0.9230
Triple Number Coastal/Long Distance High	585.2	1.0253
Triple Number Windward/Leeward Low	1065.2	0.5633
Triple Number Windward/Leeward Medium	789.0	0.7605
Triple Number Windward/Leeward High	696.1	0.8619

Performance Curve	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Coastal/Long Distance	1168.5	901.2	754.8	672.4	630.3	597.3	540.2