

GPH = 656.6 **CDL = 8.638**

BOAT

Class **X-34**
Designer **JEPPESEN**
Builder **X YACHTS**
Age Date **04/2008**
Series Date **11/2007**
Offset File **X34.OFF**

HULL

Length Overall **10.360 m**
Maximum Beam **3.384 m**
Draft **1.925 m**
Displacement **5,672 kg**
DLR **6.6586**
IMS Division **Cruiser/Racer**
Dynamic Allowance **0.307%**
Age Allowance **0.455%**

PROPELLER

Installation **Strut**
Type **Folding 2 blades**
Diameter **0.412m**

CREW

Maximum weight **425 kg**
Minimum weight **319 kg * when applied**
Non Manual Power **No**
Crew Arm Extension

SAIL AREAS (m²)

	Measured	Rated
Mainsail	35.57	36.13
Headsail Luffed	26.80	26.80
Headsail Flying		
Symmetric		
Asymmetric	68.27	68.27

** 1 asymmetric(s) with SHW/SFL < 85%*

SAIL LIMITATIONS

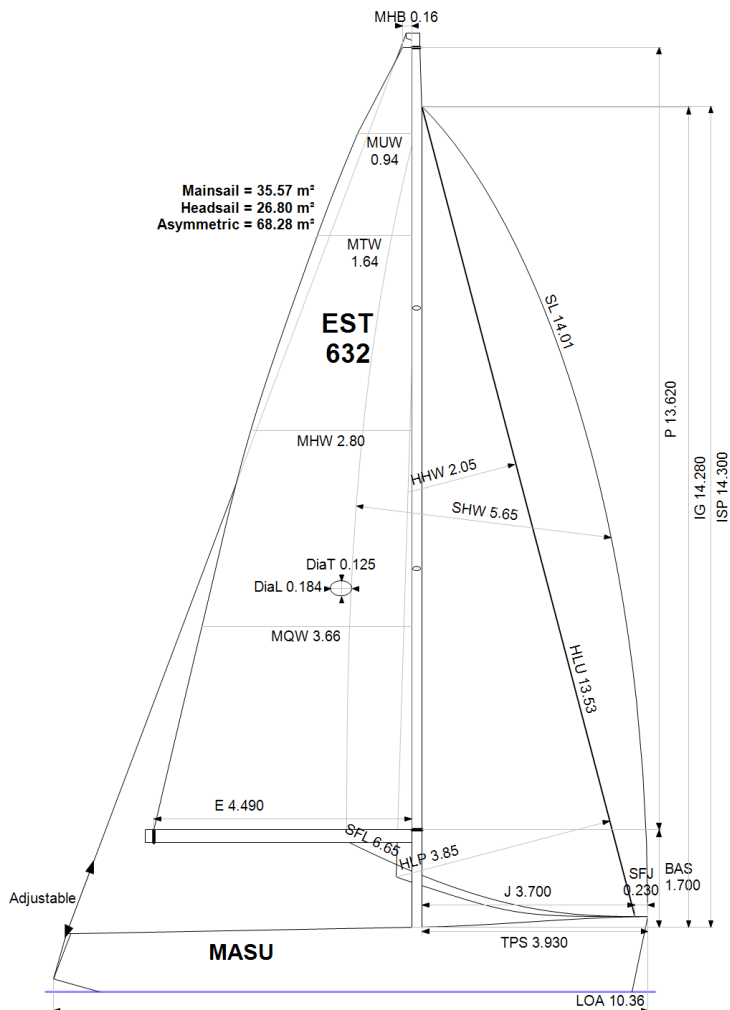
Headsails **5**
Spinnakers **4**

STABILITY

Righting Moment **129.0 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	43.1°	41.6°	41.3°	40.5°	39.8°	39.8°	39.8°
Beat VMG	3.23	3.88	4.40	4.76	4.91	4.96	4.98
52°	4.95	5.84	6.54	6.90	7.06	7.12	7.14
60°	5.23	6.15	6.77	7.08	7.25	7.33	7.37
75°	5.47	6.41	6.94	7.24	7.45	7.62	7.79
90°	5.47	6.54	7.12	7.43	7.59	7.74	8.17
110°	5.46	6.57	7.16	7.51	7.86	8.22	8.64
120°	5.26	6.37	7.05	7.43	7.78	8.16	8.97
135°	4.70	5.77	6.67	7.17	7.51	7.86	8.64
150°	3.98	5.01	5.88	6.58	7.02	7.31	7.85
Run VMG	3.44	4.34	5.09	5.70	6.16	6.74	7.41
Gybe Angles	145.5°	148.0°	147.5°	148.5°	174.0°	177.0°	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	1116.2	926.8	818.5	755.8	733.5	726.5	723.1
52°	727.9	616.4	550.6	521.7	509.7	505.6	504.1
60°	687.9	585.3	531.7	508.1	496.3	490.9	488.6
75°	658.2	561.7	518.4	497.4	483.2	472.6	462.3
90°	658.3	550.5	505.3	484.3	474.4	465.3	440.9
110°	659.4	547.6	503.0	479.3	458.2	438.2	416.7
120°	684.6	564.8	510.7	484.8	463.0	441.0	401.3
135°	766.0	623.4	540.1	502.4	479.6	458.2	416.7
150°	905.5	719.2	612.5	547.4	513.2	492.7	458.7
Run VMG	1045.6	830.5	707.3	632.1	584.7	534.2	486.0
Selected Courses							
Windward / Leeward	1080.9	878.6	762.9	694.0	659.1	630.3	604.5
All purpose	828.6	682.6	604.3	561.7	539.3	523.0	501.1

Single Number Scoring Options		
Course	Time On Distance	Time On Time
Windward / Leeward	727.8	0.8245
All purpose	584.3	1.0269

Custom scoring options for Estonia

Single Number	Time On Distance	Time On Time
Coastal/Long Distance	638.7	0.9394
Triple Number Coastal/Long Distance Low	755.6	0.7941
Triple Number Coastal/Long Distance Medium	580.4	1.0338
Triple Number Coastal/Long Distance High	518.9	1.1563
Triple Number Windward/Leeward Low	979.8	0.6124
Triple Number Windward/Leeward Medium	723.6	0.8292
Triple Number Windward/Leeward High	627.9	0.9556

Performance Curve	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Coastal/Long Distance	1077.4	823.9	684.4	601.0	560.6	528.8	477.4