

GPH = 602.9 **CDL = 9.668**

BOAT

Class **Salona 38 ibc**
Designer **Jakopin & Jakopin**
Builder **AD Boats**
Age Date **03/2013**
Series Date **05/2011**
Offset File **SAL38-EST703.off**

HULL

Length Overall **11.462 m**
Maximum Beam **3.582 m**
Draft **2.040 m**
Displacement **6,205 kg**
DLR **5.6050**
IMS Division **Cruiser/Racer**
Dynamic Allowance **0.118%**
Age Allowance **0.325%**

PROPELLER

Installation **Strut**
Type **Folding 2 blades**
Diameter **0.415m**

CREW

Maximum weight **728 kg**
Minimum weight **546 kg * when applied**
Non Manual Power **No**
Crew Arm Extension

SAIL AREAS (m²)

	Measured	Rated
Mainsail	44.53	45.86
Headsail Luffed	35.25	35.25
Headsail Flying		

Symmetric
Asymmetric **124.42** **124.42**
** All asymmetric spinnakers with SHW/SFL > 85%*

SAIL LIMITATIONS

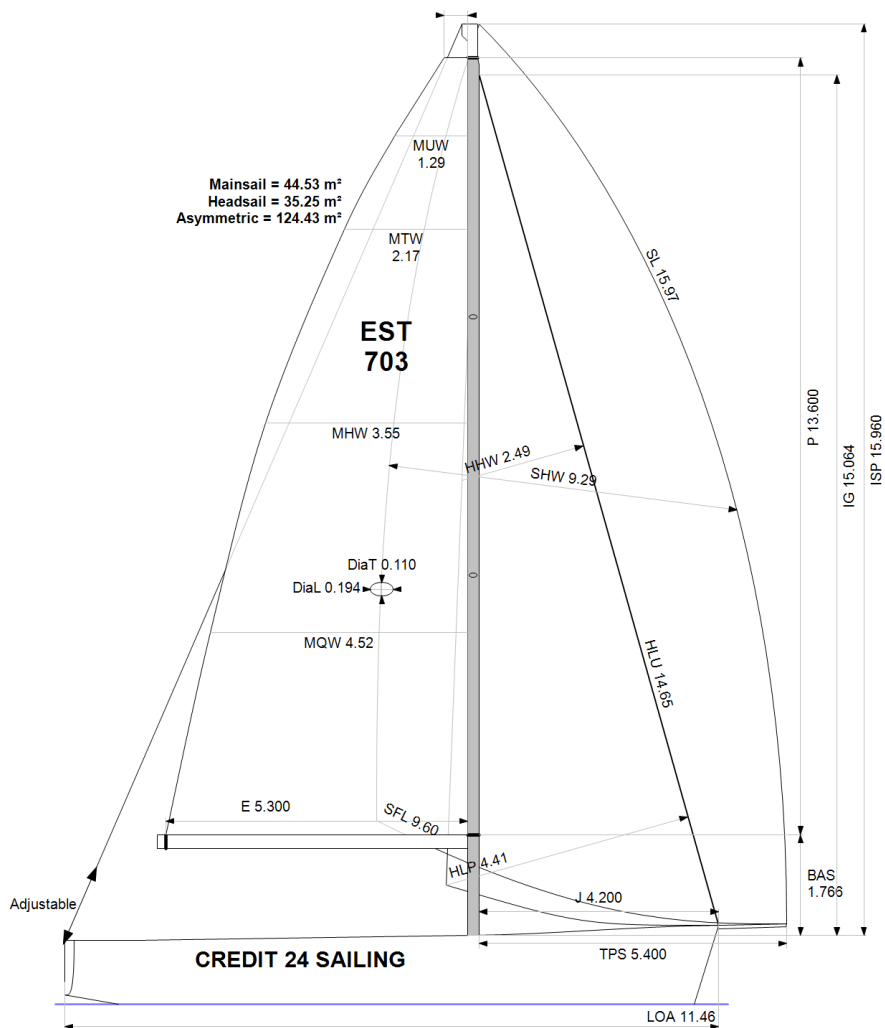
Headsails **5**
Spinnakers **4** * Asymmetric SHALL NOT be tacked on the pole

STABILITY

Righting Moment **150.7 kg·m**
Stability Index **121.3**

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°	40.9°	39.8°	39.4°	39.0°	39.8°
Beat VMG	3.49	4.23	4.81	5.10	5.22	5.27	5.37
52°	5.36	6.38	7.06	7.36	7.47	7.52	7.62
60°	5.69	6.71	7.28	7.56	7.69	7.75	7.83
75°	5.98	6.95	7.45	7.75	7.97	8.13	8.25
90°	5.96	7.10	7.59	7.79	8.08	8.38	8.81
110°	6.06	7.23	7.77	8.19	8.49	8.73	9.19
120°	5.91	7.11	7.70	8.16	8.65	9.09	9.68
135°	5.26	6.54	7.39	7.85	8.31	8.82	10.02
150°	4.44	5.55	6.59	7.31	7.64	7.99	8.80
Run VMG	3.85	4.81	5.71	6.33	6.67	7.24	7.97
Gybe Angles	144.0°	148.0°	147.5°	150.5°	153.0°	176.0°	178.0°

Time Allowances in secs/NM							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	1030.4	850.7	749.1	705.7	689.1	682.8	670.1
52°	671.4	564.0	509.6	488.9	481.7	478.4	472.6
60°	632.2	536.7	494.2	476.1	468.2	464.3	460.0
75°	602.1	517.8	483.3	464.7	451.5	443.0	436.2
90°	604.5	507.1	474.6	462.1	445.3	429.8	408.7
110°	593.8	498.3	463.1	439.8	423.8	412.3	391.7
120°	609.1	506.5	467.6	441.3	416.2	395.8	371.9
135°	685.1	550.8	487.4	458.6	433.2	408.0	359.2
150°	810.2	648.2	546.2	492.8	470.9	450.5	409.1
Run VMG	935.5	748.5	630.7	568.7	539.7	497.4	451.7
Selected Courses							
Windward / Leeward	982.9	799.6	689.9	637.2	614.4	590.1	560.9
All purpose	753.6	621.1	552.3	519.3	501.4	486.5	463.9

Single Number Scoring Options		
Course	Time On Distance	Time On Time
Windward / Leeward	668.2	0.8980
All purpose	538.2	1.1149

Custom scoring options for Estonia

Single Number	Time On Distance	Time On Time
Coastal/Long Distance	587.4	1.0215
Triple Number Coastal/Long Distance Low	687.4	0.8729
Triple Number Coastal/Long Distance Medium	534.3	1.1229
Triple Number Coastal/Long Distance High	481.8	1.2454
Triple Number Windward/Leeward Low	891.3	0.6732
Triple Number Windward/Leeward Medium	662.6	0.9055
Triple Number Windward/Leeward High	585.3	1.0252

Performance Curve	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Coastal/Long Distance	978.2	749.6	622.0	554.8	520.8	490.4	442.8



Data in meters/kilograms (Metric)

HULL AND APPENDAGES

Class	Salona 38 ibc	LOA	11.462	VCGD	-0.020
Measurement	08/06/2017	Max. Beam	3.582	VCGM	0.028
Measurer		Draft	2.040	RM Measured (kg·m)	150.7
HIN	HR-ADB38031C313	Displacement	6,205	RM Default (kg·m)	155.0
Plan review		Wetted area	27.72	Limit of positive stability(°)	118.9
Hull construction	Cored	IMS L	10.395	Stability Index	121.3
Carbon Rudder	Yes	LSM0	10.345		
Light stanchions		Acc. length	11.462		
Trim tab	No	Sink (kg/mm)	20.94		

PROPELLER

Propeller Type	Folding 2 blades	PRD	0.415	EDL	2.400	ST3	0.180
Installation	Strut	PBW	0.105	ST1	0.042	ST4	0.112
Twin screw	No			ST2	0.180	ST5	0.285
PIPA	0.0035						

RIG

Forestay tension	Aft	P	13.600	E	5.300
Inner stay	None Fitted	IG	15.064	J	4.200
Carbon mast	Yes	ISP	15.960	BAS	1.766
Headsail furler	No	MDT1	0.110	FSD	0.035
Mainsail furler	No	MDL1	0.194	SFJ	
Articulated bowsprit	No	MDT2	0.104	SPL	4.692
Non-circular rigging	No	MDL2	0.174	TPS	5.400
Fiber rigging	No	TL	0.115	BD	0.240
Runners/Checkstays	0	MW	0.194	MWT	107.50
Spreaders	2	GO	0.201	MCG	5.140

FLOTATION AND STABILITY

Inclining Test	Poles Inclining	SFFP	0.540	SAFP	10.260	W1	88.0	PD1	544.1	WD	11.840
Flotation Date	09/06/2021	FFM	1.358	FAM	1.116	W2	88.0	PD2	545.2	PLM	9000.00
Measurer		FF	1.367	FA	1.123	W3	88.0	PD3	544.9	GSA	1.0
Comment		LCFcl	6.251	LCFsh	6.492	W4	88.0	PD4	543.7	RSA	1.0
		SG	1.0000	HBI	1.205						

MEASUREMENT INVENTORY

Id	Tank	Type	Capacity	LCG	VCG	Condition	Description
1	Fuel	St. Steel	100.0	5.40		5-0	
2	Water	St.Steel	100.0	5.40		0-0	
Id	Item	Description	Weight	LCG	VCG		
1	Battery	Under the chart table; starter		6.35			
2	Battery	Under the chart table; service		6.50			



MAINSAIL

Id	MHB	MUW	MTW	MHW	MQW	Area	Measurer	Meas.Date	Maker	Material	Comment
5a	0.42	1.29	2.17	3.55	4.52	44.53		20/07/2021	One Sails	Unknown	2021
4a	0.43	1.27	2.14	3.50	4.44	43.99			OneSails	Unknown	2019

HEADSAIL

Id	HHB	HUW	HTW	HHW	HQW	HLP	HLU	Btn	Flying	FT	Area	Measurer	Meas.Date	Maker	Material	Comment
14	0.14	0.82	1.47	2.49	3.47	4.41	14.65	Yes	No		35.25		20/07/2021	OneSails	Unknown	M 2021
13a	0.14	0.82	1.47	2.46	3.46	4.49	14.54	Yes	No		35.04		09/06/2021	OneSails	Unknown	L 2020
10	0.13	0.77	1.43	2.46	3.45	4.45	14.46	Yes	No		34.53		22/07/2021	OneSails	Unknown	M 2019
15	0.02	0.84	1.70	3.11	4.05	4.45	12.58	No	Inner		34.18		11/07/2021	OneSails	Unknown	Staysail
11	0.12	0.79	1.41	2.45	3.43	4.42	13.88	No	No		32.96		13/07/2017		Unknown	
12	0.13	0.52	0.98	2.01	3.13	4.34	13.76	No	No		28.80		03/04/2020	OneSails	Unknown	H 2020

ASYMMETRIC SPINNAKER

Id	SLU	SLE	SL	SHW	SFL	Ratio	Area	Measurer	Meas.Date	Maker	Material	Comment
3a	17.53	14.40	15.97	9.29	9.60	97%	124.42		20/07/2021	One Sails	Unknown	A2
1a	17.10	14.85	15.98	9.14	9.96	92%	123.86		22/07/2021	OneSails	Unknown	A1
2a	17.33	14.30	15.82	9.31	9.72	96%	123.78		20/07/2021	One Sails	Unknown	A4
4	16.70	15.13	15.92	6.17	7.25	85%	84.69			One Sails	Unknown	A0