

BOAT Name Credit 24 Reval Cafe Sail Nr EST 703	GPH 600.3	HULL Length Overall 11.462m Maximum Beam 3.578m Displacement 6,331kg Draft 2.046m IMS Reg. Division Cruiser/Racer Dynamic Allowance 0.109% Fwd Accommodation Yes Hull Construction Cored Carbon Rudder Yes Crew Arm Extension
GENERAL Class Salona 38 ibc Designer Jakopin & Jakopin Builder AD Boats Series 05/2011, CIN HR-ADB38031C313 Age 03/2013 Age Allowance 0.260% Offset File SAL38TK_c.rud.off - 4/16/2017 Measurement by Tetsmann - 08/06/2017		IMSL 10.430m VCGD -0.015m Sink 21.07kg/mm RL 9.090m VCGM 0.027m WS 27.94m² LSMO 10.399m Displacement/Length ratio 5.6299



2019
ORC International
Certificate

Rating Office
EYU
Purje 8
11911, Tallinn
Estonia

SCORING OPTIONS						
	COASTAL / LONG DISTANCE			WINDWARD / LEEWARD		
Time on Distance	583.7			651.8		
Time on Time	1.0279			1.0356		
Triple Number	Low	Medium	High	Low	Medium	High
Time on Distance	686.5	532.0	476.3	886.1	653.8	569.9
Time on Time	0.9832	1.2689	1.4173	0.7618	1.0325	1.1845

TIME ALLOWANCES							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	1022.6	845.5	744.1	700.4	683.1	676.2	662.7
52°	667.4	561.3	507.6	487.3	480.0	476.6	471.4
60°	629.0	534.6	492.9	475.0	467.0	463.0	459.2
75°	599.6	516.4	482.5	464.1	451.1	442.5	435.6
90°	606.5	515.5	478.0	461.7	445.3	430.1	409.0
110°	605.2	504.1	466.4	443.5	427.7	416.1	398.2
120°	619.9	512.2	470.2	444.4	420.0	400.5	379.3
135°	684.4	554.1	489.5	460.2	435.4	410.7	363.6
150°	806.1	645.5	545.2	489.3	462.0	439.1	394.1
Run VMG	930.8	745.4	629.6	556.8	509.1	475.2	430.4

Certificate
Number **EST703**
ORC Ref **EST00000661**
Issued On **6/18/2019**
VPP Ver. **2019 1.01**
Valid until **12/31/2019**

Crew Weight
Default **728kg**
Maximum **769kg**
Minimum* **577kg**
**when applied by the NoR and SI*
Non Manual Pwr **No**

Special Scoring

	ToD	ToT
Double H.GPH	609.7	0.9841
Double H.OSN	594.4	1.0093
Non Spin GPH	636.0	0.9434
Non Spin OSN	617.8	0.9711

Selected Courses							
Windward / Leeward	976.7	795.5	686.9	628.6	596.1	575.7	546.5
Circular Random	824.5	666.6	582.4	534.0	504.5	485.0	459.1
Coastal / Long Distance	972.1	746.8	620.3	551.1	514.6	485.8	440.1
Non Spinnaker	888.9	712.1	616.2	559.9	525.2	502.3	472.5

Sails Limitations

Headsails	Spinnakers
5	3

Velocity Prediction in Knots for True Wind Speeds							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat Angles	43.0°	41.6°	40.8°	39.8°	39.0°	38.7°	39.0°
Beat VMG	3.52	4.26	4.84	5.14	5.27	5.32	5.43
52°	5.39	6.41	7.09	7.39	7.50	7.55	7.64
60°	5.72	6.73	7.30	7.58	7.71	7.77	7.84
75°	6.00	6.97	7.46	7.76	7.98	8.14	8.27
90°	5.94	6.98	7.53	7.80	8.09	8.37	8.80
110°	5.95	7.14	7.72	8.12	8.42	8.65	9.04
120°	5.81	7.03	7.66	8.10	8.57	8.99	9.49
135°	5.26	6.50	7.35	7.82	8.27	8.77	9.90
150°	4.47	5.58	6.60	7.36	7.79	8.20	9.14
Run VMG	3.87	4.83	5.72	6.47	7.07	7.58	8.36
Gybe Angles	142.5°	148.5°	149.7°	156.6°	172.5°	180.0°	180.0°

Class Division Length
CDL = **9.761**

Storm Sails Areas

Heavy Weather Jib	30.74
Storm Jib (JL=9.81)	11.39
Storm Trysail	12.26

Owner
Prantsuse Jahtlaevad OÜ
Kalevi 32a-10, Tallinn
Estonia
KJK

I certify that I understand my responsibilities under ORC Rules and Regulations
Signature

BOAT	
Name Credit 24 Reval Cafe	Sail Nr EST 703
File Est0703	Data in meters/kilograms

INCLINING TEST AND FREEBOARDS			
Inclining Test Current Inclining			
Flotation date 06/06/2017		SG 1.0000	
FFM 1.367	FF 1.377	SFFP 0.300	
FAM 1.110	FA 1.117	SAFP 10.260	
W1 80.1	PD1 203.0	WD 11.040	
W2 80.1	PD2 202.0	GSA 12.6	
W3 80.1	PD3 204.0	RSA 4298.7	
W4 80.1	PD4 203.0	PLM 2005.0	
LCF from stem on CL / on sheer		6.263 / 6.501	
Maximum beam station from stem		7.100	
RM Measured		152.4kg·m	
RM Default		157.2kg·m	
Limit of positive stability / Stab.Index		118.7° / 121.4	
Freeboard at mast at 4.200		1.208	



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IMS Measurement Certificate

RIG			
Forestay Tension Aft	Spreaders 2		
Inner Stay None Fitted	Runners 0		
Carbon Mast Yes	Jumper Struts None		
Taper Hollows No	Jib Furler No		
Fiber Rigging No	Main Furler No		
Lenticular Rigging No	Without Backstay No		
Articulated Bowsprit No			
P 13.600	E 5.150	MDT1 0.110	MW 0.194
IG 15.064	J 4.200	MDL1 0.194	GO 0.201
ISP 15.960	SFJ	MDT2 0.104	BD 0.240
BAS 1.766	SPL 4.600	MDL2 0.174	MWT 107.50
FSP 0.070	TPS	TL 0.115	MCG 5.140

MIZZEN RIG AND SAILS	
N/A	

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

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COMMENTS	

MOVABLE BALLAST	
N/A	

CENTERBOARD	
N/A	

SAILS (Maximum Areas)									
Mainsail	MHB	MUW	MTW	MHW	MQW	Area	Area (r)	Formula	
	0.430	1.28	2.16	3.53	4.47	44.00	45.34	P/8 · (E + 2·MQW + 2·MHW + 1.5·MTW + MUW + 0.5·MHB)	
Symmetric	SLU	SLE	SL	SHW	SFL	118.39		SL · (SFL + 4·SHW) / 6	
	16.36	16.36	16.36	8.85	8.02				
Asymmetric									
Not Available									

HEADSAILS												
Area = 0.1125·HLU · (1.445·HLP + 2·HQW + 2·HHW + 1.5·HTW + HUW + 0.5·HHB)												
HHB	HUW	HTW	HHW	HQW	HLP	HLU	Area	Btn	Fly	Meas.Date	Material	Comment
0.14	0.91	1.62	2.63	3.59	4.54	14.78	37.26	Y		08/06/2018	Unknow	L
0.11	0.81	1.48	2.63	3.63	4.51	14.75	36.71	Y		08/06/2017	Unknow	JibTop
0.13	0.80	1.46	2.51	3.50	4.54	14.70	35.78			08/04/2019	Unknow	M
0.12	0.79	1.41	2.45	3.43	4.42	13.88	32.97			13/07/2017	Unknow	

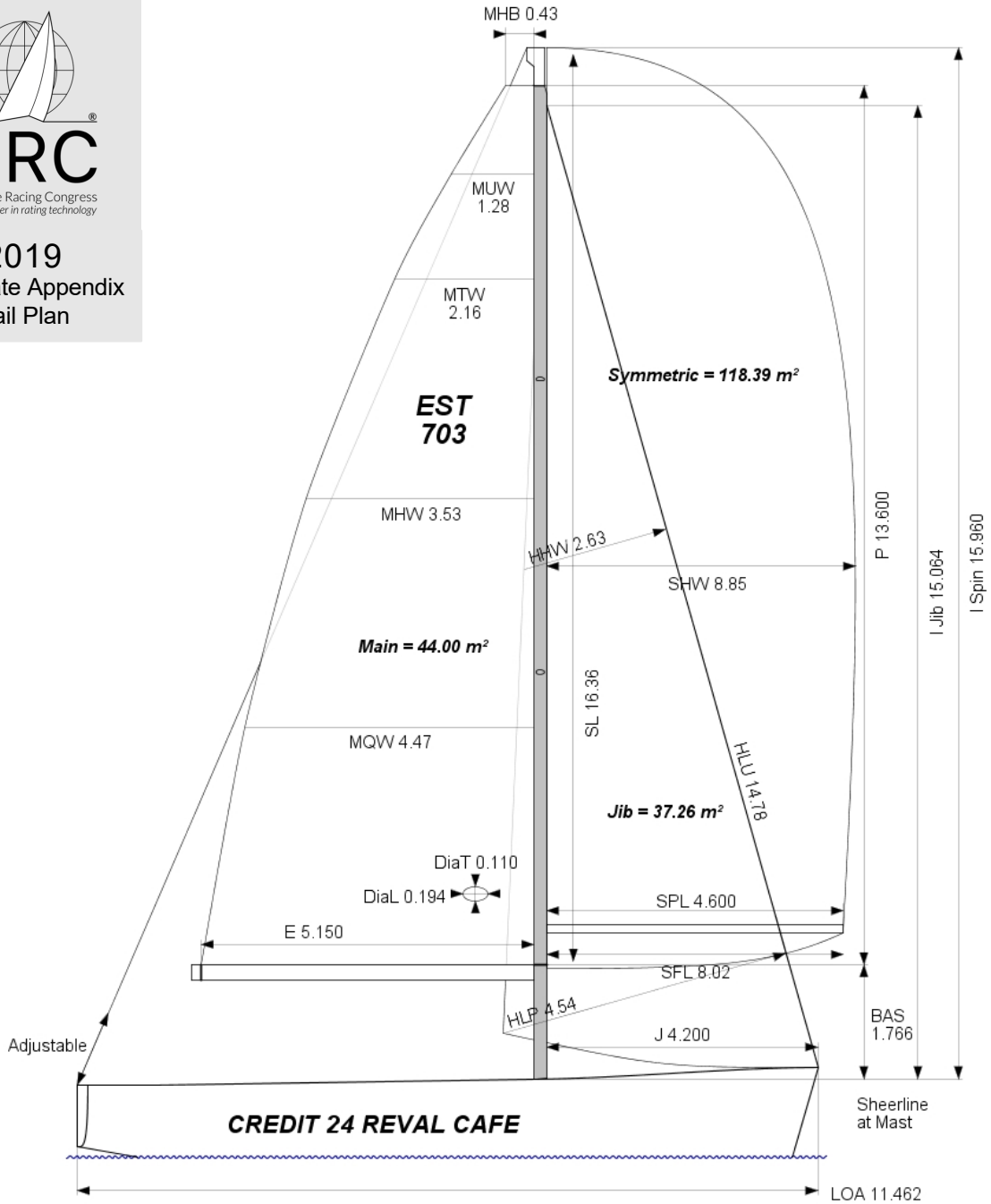
MEASUREMENT INVENTORY				
Measurer Arvet Tetsmann EST 1				
Date 06/06/2017				
Comment				
Id	Item	Weight	Distance	VCG Description
Id	Item	Maker	Model	
1	Engine	YANMAR	3YM20	
Id	Item	Weight Description		

MEASUREMENT INVENTORY							
Id	Item	Tank Use	Tank Type	Capcty	Dist.	VCG	Condtn Description
1	Tank Fuel		St. Steel	100.0	5.40		10-0
2	Tank Water		St. Steel	100.0	5.40		0-0
Id	Item	Weight	Distance	VCG Description			
1	Battery	21.9	6.35				
2	Battery	21.9	6.50				



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Sail Plan



SAILS INVENTORY																
MAINSAIL (1)																
Id	MHB	MUW	MTW	MHW	MQW	Area	Measurer	Meas.Date	Manufacture	Material	Comment					
4	0.43	1.28	2.16	3.53	4.47	44.01	SLO 03	08/04/2019	OneSails	Unknown	P13,60;E5,15					
HEADSAILS (4)																
Id	HHB	HUW	HTW	HHW	HQW	HLP	HLU	Ovrlp	Area	Btn	Fly	Measurer	Meas.Date	Manufacture	Material	Comment
9	0.14	0.91	1.62	2.63	3.59	4.54	14.78	108%	37.26	Y		SLO 03	08/06/2018	OneSails	Unknown	L
8	0.11	0.81	1.48	2.63	3.63	4.51	14.75	107%	36.71	Y		SLO 03	08/06/2017	OneSails	Unknown	JibTop
10	0.13	0.80	1.46	2.51	3.50	4.54	14.70	108%	35.78			SLO 03	08/04/2019	OneSails	Unknown	M
11	0.12	0.79	1.41	2.45	3.43	4.42	13.88	105%	32.97			EST 1	13/07/2017		Unknown	
SYMMETRIC SPINNAKERS (4)																
Id	SLU	SLE	SL	SHW	SFL	Area	Measurer	Meas.Date	Manufacture	Material	Comment					
7	16.36	16.36	16.36	8.85	8.02	118.40	EST 1	20/05/2015	HT Sail	Unknown	S2					
9	16.38	16.38	16.38	8.58	7.91	115.29	SLO 03	10/05/2016	OneSails	Nylon						
10	14.99	14.99	14.99	8.35	8.02	103.49	SLO 03	08/06/2017	OneSails	Unknown						
8	15.10	15.10	15.10	7.69	6.88	94.73	SLO 03/BG	10/07/2015	OneSail	Unknown	R					
ASYMMETRIC SPINNAKERS (0)																
Id	SLU	SLE	SL	SHW	SFL	Area	Kind	Measurer	Meas.Date	Manufacture	Material	Comment				