

BOAT Name One Sail Nr CRO 1656	GPH 624.5	HULL Length Overall 9.995m Maximum Beam 3.270m Displacement 4,608kg Draft 2.118m IMS Reg. Division Cruiser/Racer Dynamic Allowance 0.072% Fwd Accommodation Yes Hull Construction Cored Carbon Rudder No Crew Arm Extension
GENERAL Class Salona 34 Designer Jakopin Builder AD brodovi Series 10/2008 Age 10/2008 Age Allowance 0.357% Offset File sal34v3.off - 09/04/2019 09:52:24 Measurement by - 12/12/2008		IMSL 9.269m VCGD -0.160m Sink 17.13kg/mm RL 8.450m VCGM -0.087m WS 22.87m² LSM0 9.208m Displacement/Length ratio 5.9022



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SCORING OPTIONS						
	COASTAL / LONG DISTANCE			WINDWARD / LEEWARD		
Time on Distance	609.4			679.8		
Time on Time	0.9846			0.9929		
Triple Number	Low	Medium	High	Low	Medium	High
Time on Distance	706.0	555.6	500.8	914.5	680.9	599.3
Time on Time	0.9561	1.2148	1.3479	0.7381	0.9913	1.1264

TIME ALLOWANCES							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	1034.2	861.4	764.7	726.4	713.5	709.7	700.5
52°	681.4	577.7	531.0	513.5	507.4	504.7	499.1
60°	645.9	553.8	518.1	501.6	494.0	490.4	486.0
75°	595.9	524.1	497.9	484.3	476.4	467.4	460.9
90°	581.8	518.6	493.3	473.4	455.2	444.2	431.6
110°	632.8	531.9	494.8	469.2	447.9	431.7	401.3
120°	651.0	541.3	499.6	472.4	446.1	422.8	395.9
135°	717.4	585.1	520.7	490.5	464.6	438.4	389.0
150°	849.0	677.3	574.5	518.9	491.0	466.9	419.2
Run VMG	980.3	782.1	662.2	586.4	533.0	500.8	453.9

Certificate
Number **026/19**
ORC Ref **CRO00090684**
Issued On **01/06/2019**
VPP Ver. **2019 1.01**
Valid until **31/12/2019**

Crew Weight
Default 612kg
Maximum **595kg**
Minimum* **446kg**
**when applied by the NoR and SI*
Non Manual Pwr **No**

Special Scoring
ToD ToT
Non Spin GPH **658.6 0.9110**
Non Spin OSN **639.7 0.9380**

Selected Courses							
Windward / Leeward	1007.3	821.7	713.4	656.4	623.2	605.2	577.2
Circular Random	850.3	690.7	606.4	558.2	528.9	509.6	483.2
Coastal / Long Distance	1004.6	771.9	645.9	577.1	540.1	511.3	464.1
Non Spinnaker	912.4	734.2	638.5	583.1	549.3	527.3	499.0

Sails Limitations
Headsails **5** Spinnakers **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	42.5°	40.9°	40.0°	38.7°	38.2°	38.1°	38.9°
Beat VMG	3.48	4.18	4.71	4.96	5.05	5.07	5.14
52°	5.28	6.23	6.78	7.01	7.10	7.13	7.21
60°	5.57	6.50	6.95	7.18	7.29	7.34	7.41
75°	6.04	6.87	7.23	7.43	7.56	7.70	7.81
90°	6.19	6.94	7.30	7.60	7.91	8.10	8.34
110°	5.69	6.77	7.28	7.67	8.04	8.34	8.97
120°	5.53	6.65	7.21	7.62	8.07	8.51	9.09
135°	5.02	6.15	6.91	7.34	7.75	8.21	9.25
150°	4.24	5.32	6.27	6.94	7.33	7.71	8.59
Run VMG	3.67	4.60	5.44	6.14	6.75	7.19	7.93
Gybe Angles	145.3°	149.6°	151.5°	159.1°	180.0°	180.0°	180.0°

Class Division Length
CDL = **8.860**

Storm Sails Areas
Heavy Weather Jib **25.63**
Storm Jib (JL=8.96) **9.50**
Storm Trysail **9.97**

Owner

BOAT	
Name One	Sail Nr CRO 1656
File CRO1656	Data in meters/kilograms

INCLINING TEST AND FREEBOARDS			
Inclining Test Current Inclining			
Flotation date 01/04/2019		SG 1.0253	
FFM 1.395	FF 1.393	SFFP 0.254	
FAM 1.040	FA 1.044	SAFP 9.438	
W1 60.0	PD1 465.1	WD 10.860	
W2 60.0	PD2 464.7	GSA 1.0	
W3 60.0	PD3 464.1	RSA 1.0	
W4 60.0	PD4 464.1	PLM 9000.0	
LCF from stem on CL / on sheer		5.422 / 5.663	
Maximum beam station from stem		6.301	
RM Measured		110.5kg-m	
RM Default		102.3kg-m	
Limit of positive stability / Stab.Index		125.5° / 126.0	
Freeboard at mast at 4.100		1.169	



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RIG			
Forestay Tension Aft	Spreaders 2		
Inner Stay None Fitted	Runners 0		
Carbon Mast No	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 12.880	E 4.420	MDT1 0.119	MW 0.180
IG 13.710	J 4.100	MDL1 0.180	GO 0.200
ISP 13.810	SFJ 0.000	MDT2 0.119	BD 0.190
BAS 1.487	SPL 4.260	MDL2 0.141	MWT 135.00
FSP 0.060	TPS 4.250	TL 0.790	MCG 5.020

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MIZZEN RIG AND SAILS	
N/A	

PROPELLER			
Installation Strut	PRD 0.410		
Type Folding 2 blades	PBW		
Twin Screw No	PIPA 0.0033		
ST1 0.042	ST3 0.180	ST5 0.260	
ST2 0.180	ST4 0.112	EDL 2.360	

COMMENTS	

MOVABLE BALLAST	
N/A	

CENTERBOARD	
N/A	



SAILS (Maximum Areas)									
Mainsail	MHB	MUW	MTW	MHW	MQW	Area	Area (r)	Formula	
	0.920	1.44	2.07	3.02	3.79	37.10	38.07	P/8 · (E + 2·MQW + 2·MHW + 1.5·MTW + MUW + 0.5·MHB)	
Symmetric	SLU	SLE	SL	SHW	SFL				
	13.90	13.90	13.90	7.36	7.01	84.44		SL · (SFL + 4·SHW) / 6	
Asymmetric									
Not Available									

HEADSAILS												
Area = 0.1125·HLU · (1.445·HLP + 2·HQW + 2·HHW + 1.5·HTW + HUW + 0.5·HHB)												
HBB	HUW	HTW	HHW	HQW	HLP	HLU	Area	Btn	Fly	Meas.Date	Material	Comment
0.07	1.03	1.94	3.54	4.81	5.66	13.92	45.18		Y	17/05/2019	Polyest	
0.12	0.75	1.39	2.41	3.31	4.23	13.27	30.53	Y		19/10/2018	Twaron	
0.12	0.74	1.38	2.39	3.27	4.24	13.27	30.33	Y		19/10/2018	Twaron	
0.07	0.60	1.16	2.28	3.38	4.43	13.40	30.30			20/05/2019	Polyest	J0 Windseeker
0.09	0.56	1.06	2.05	3.04	3.95	13.34	27.14			25/03/2009	Twaron	Code #3
0.07	0.44	0.84	1.68	2.54	3.40	12.34	20.95			04/03/2015	Kevlar	Code #4

MEASUREMENT INVENTORY				
Measurer CROAK6				
Date 01/04/2019				
Comment				
Id	Item	Weight	Distance	VCG Description
Id	Item	Maker	Model	
1	Engine	Yanmar	3YM20C	
Id	Item	Weight Description		

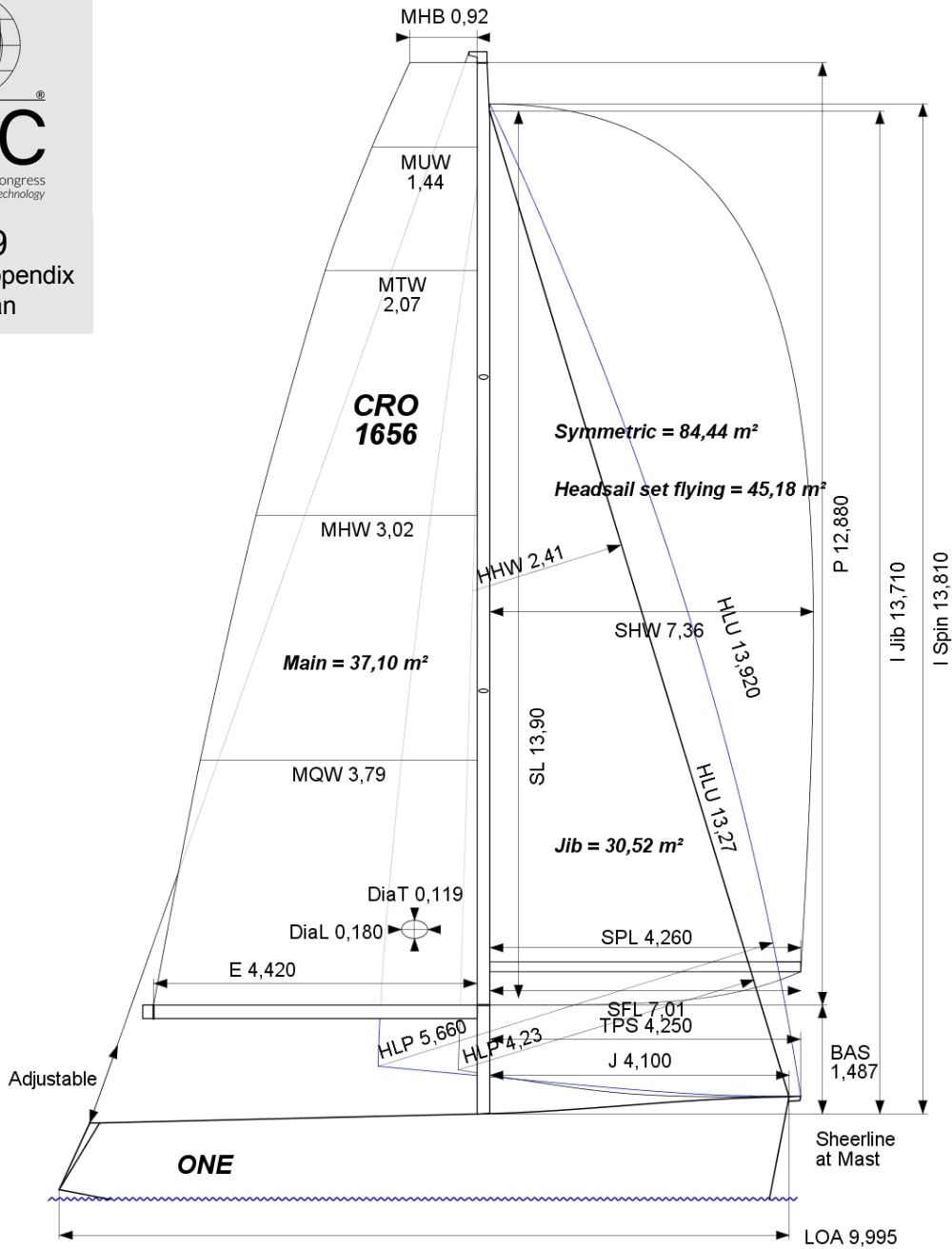
MEASUREMENT INVENTORY						
Id	Item	Tank Use	Tank Type	Capcty	Dist.	VCG Condtn Description
2	Tank Water		PVC	180.0	2.00	0-0
1	Tank Fuel		PVC	90.0	8.00	20-0
Id	Item	Weight	Distance	VCG Description		
1	Battery	30.0	4.80	Exide 90 Ah		
2	Battery	15.0	7.20	55 Ah		



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Sail Plan



SAILS INVENTORY

MAINSAIL (1)

Id	MHB	MUW	MTW	MHW	MQW	Area	Measurer	Meas.Date	Manufacture	Material	Comment
1	0.92	1.44	2.07	3.02	3.79	37.11		02/04/2019	One sails	Dyneema	

HEADSAILS (6)

Id	HHB	HUW	HTW	HHW	HQW	HLP	HLU	Ovrlp	Area	Btn	Fly	Measurer	Meas.Date	Manufacture	Material	Comment
1	0.07	1.03	1.94	3.54	4.81	5.66	13.92	138%	45.18		Y		17/05/2019	One sails	Polyest	
2	0.12	0.75	1.39	2.41	3.31	4.23	13.27	103%	30.53	Y			19/10/2018	One sails	Twaron	
3	0.12	0.74	1.38	2.39	3.27	4.24	13.27	103%	30.33	Y			19/10/2018	One sails	Twaron	
4	0.07	0.60	1.16	2.28	3.38	4.43	13.40	108%	30.30				20/05/2019	One sails	Polyest	J0 Windseeker
5	0.09	0.56	1.06	2.05	3.04	3.95	13.34	96%	27.14				25/03/2009	One sails	Twaron	Code #3
6	0.07	0.44	0.84	1.68	2.54	3.40	12.34	83%	20.95				04/03/2015	One sails	Kevlar	Code #4

SYMMETRIC SPINNAKERS (2)

Id	SLU	SLE	SL	SHW	SFL	Area	Measurer	Meas.Date	Manufacture	Material	Comment
2	13.91	13.89	13.90	7.36	7.01	84.45		25/10/2018	One sails	Nylon	S2
1	13.87	13.87	13.87	7.31	6.96	83.69		06/07/2016	One Sails	Nylon	S1

ASYMMETRIC SPINNAKERS (0)

Id	SLU	SLE	SL	SHW	SFL	Area	Kind	Measurer	Meas.Date	Manufacture	Material	Comment
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