

BOAT Name Članica Sail Nr SLO 244	GPH 609.1	HULL Length Overall 10.600m Maximum Beam 3.250m Displacement 4,635kg Draft 2.181m Plan Review IMS Reg. Division Cruiser/Racer Dynamic Allowance 0.000% Hull Construction Cored Carbon Rudder No Crew Arm Extension
GENERAL Class X-35 OD Designer JEPPESEN Builder X-YACHTS Series 09/2005, CIN DK-XYA35198A808 Age 01/2008 Age Allowance 0.487% Offset File x35.od.off - 29/01/2015 16:31:16 Measurement by - 12/05/2006		IMSLS 9.504m VCGD 0.072m Sink 17.79kg/mm RL 8.903m VCGM 0.053m WS 23.24m² LSM0 9.331m Displacement/Length ratio 5.7051



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SCORING OPTIONS						
	COASTAL / LONG DISTANCE			WINDWARD / LEEWARD		
Time on Distance	593.5			661.2		
Time on Time	1.0109			1.0208		
Triple Number	Low	Medium	High	Low	Medium	High
Time on Distance	687.0	542.5	489.4	884.0	662.8	584.7
Time on Time	0.9825	1.2442	1.3791	0.7636	1.0184	1.1545

TIME ALLOWANCES							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	991.4	822.2	734.9	707.7	698.3	689.9	683.7
52°	654.5	554.6	514.6	502.6	498.0	496.0	488.8
60°	620.9	535.5	502.6	489.8	484.7	482.1	473.7
75°	595.4	522.9	493.8	475.9	464.5	458.8	453.5
90°	600.9	522.1	491.1	472.5	453.7	438.6	424.0
110°	611.5	517.1	481.1	455.3	438.2	425.1	407.2
120°	630.1	526.6	486.6	457.9	430.7	408.8	383.9
135°	698.9	569.5	508.6	478.2	450.7	423.8	369.4
150°	829.6	661.9	561.7	508.0	479.4	453.8	404.2
Run VMG	957.9	764.3	647.5	574.6	522.5	489.9	440.7

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Number **IP1/20**
ORC Ref **03090000P92**
Issued On **28/08/2020**
VPP Ver. **2020 1.02**
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Crew Weight

Default **624kg**
Maximum **620kg**
Minimum* **465kg**
**when applied by the NoR and SI*
Non Manual Pwr **No**

Special Scoring

	ToD	ToT
Non Spin GPH	639.0	0.9390
Non Spin OSN	621.7	0.9651

Selected Courses							
Windward / Leeward	974.7	793.2	691.2	641.2	610.4	589.9	562.2
Circular Random	828.6	673.3	591.5	545.0	516.7	497.9	472.5
Coastal / Long Distance	973.0	746.9	627.2	564.1	528.7	499.0	452.1
Non Spinnaker	883.0	711.4	619.6	566.5	533.9	512.3	484.5

Sails Limitations

Headsails	Spinnakers
5	4

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	42.0°	40.9°	39.4°	38.3°	38.3°	37.9°	38.3°
Beat VMG	3.63	4.38	4.90	5.09	5.16	5.22	5.27
52°	5.50	6.49	7.00	7.16	7.23	7.26	7.36
60°	5.80	6.72	7.16	7.35	7.43	7.47	7.60
75°	6.05	6.88	7.29	7.56	7.75	7.85	7.94
90°	5.99	6.89	7.33	7.62	7.93	8.21	8.49
110°	5.89	6.96	7.48	7.91	8.22	8.47	8.84
120°	5.71	6.84	7.40	7.86	8.36	8.81	9.38
135°	5.15	6.32	7.08	7.53	7.99	8.50	9.75
150°	4.34	5.44	6.41	7.09	7.51	7.93	8.91
Run VMG	3.76	4.71	5.56	6.26	6.89	7.35	8.17
Gybe Angles	144.0°	149.0°	151.5°	159.0°	180.0°	180.0°	180.0°

Class Division Length

CDL = **9.195**

Storm Sails Areas

Heavy Weather Jib **28.66**
Storm Jib (JL=9.48) **10.62**
Storm Trysail **12.22**

Owner

BOAT	
Name Članica	Sail Nr SLO 244
File SLO244	Data in meters/kilograms

RIG	
Forestay Tension Aft	Spreaders 2
Inner Stay None Fitted	Runners/Checkstays 0
Carbon Mast No	Jib Furler No
Fiber Rigging No	Main Furler No
Non-Circular Rigging No	
Articulated Bowsprit No	

P 14.250	E 4.900	MDT1 0.125	MW 0.184
IG 14.500	J 4.185	MDL1 0.185	GO 0.204
ISP 14.530	SFJ	MDT2 0.122	BD 0.220
BAS 1.745	SPL 4.180	MDL2 0.140	MWT 156.00
FSD 0.034	TPS	TL 1.230	MCG 4.600

INCLINING TEST AND FREEBOARDS

Inclining Test Current Inclining		
Flotation date 26/05/2017		SG 1.0130
FFM 1.314	FF 1.318	SFFP 0.075
FAM 0.969	FA 0.972	SAFP 10.275
W1 65.0	PD1 540.3	WD 11.790
W2 65.0	PD2 541.3	GSA 1.0
W3 65.0	PD3 541.1	RSA 1.0
W4 65.0	PD4 542.1	PLM 9000.0
LCF from stem on CL / on sheer		5.990 / 6.185
Maximum beam station from stem		7.300
RM Measured		111.5kg-m
RM Default		122.7kg-m
Limit of positive stability / Stab.Index		115.3° / 116.4
Freeboard at mast at 4.185		1.100



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MIZZEN RIG AND SAILS	
N/A	

PROPELLER	
Installation Strut	PRD 0.420
Type Folding 2 blades	PBW 0.128
Twin Screw No	PIPA 0.0033
ST1 0.042	ST3 0.182
ST2 0.178	ST4 0.112
	ST5 0.255
	EDL 2.390

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COMMENTS	
INDIVIDUAL MEASURED	

MOVABLE BALLAST	
N/A	

CENTERBOARD	
N/A	



SAILS (Maximum Areas)									
Mainsail	MHB	MUW	MTW	MHW	MQW	Area	Area (r)	Formula	
	0.20	1.06	1.84	3.11	4.06	41.25	42.03	P/8 · (E + 2·MQW+ 2·MHW + 1.5·MTW + MUW + 0.5·MHB)	
Symmetric	SLU	SLE	SL	SHW	SFL				
	14.15	14.15	14.15	7.45	7.38	87.68		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)												
HHB	HUW	HTW	HHW	HQW	HLP	HLU	Area	Btn	Flying	Meas.Date	Material	Comment
0.12	0.61	1.13	2.17	3.25	4.28	14.42	31.46	Y	No	29/04/2015	Unknow	Code 1 M-H
0.12	0.50	0.91	1.83	2.83	3.91	14.27	27.12	Y	No	12/04/2016	Unknow	#3

MEASUREMENT INVENTORY				
Measurer				
Date 26/05/2017				
Comment SCHILKSEE				
Internal Ballast total = 0.0				
Id	Item	Weight	Distance	VCG Description
Id	Item	Maker	Model	
1	Engine	Yanmar	3YM20	
Id	Item	Weight Description		

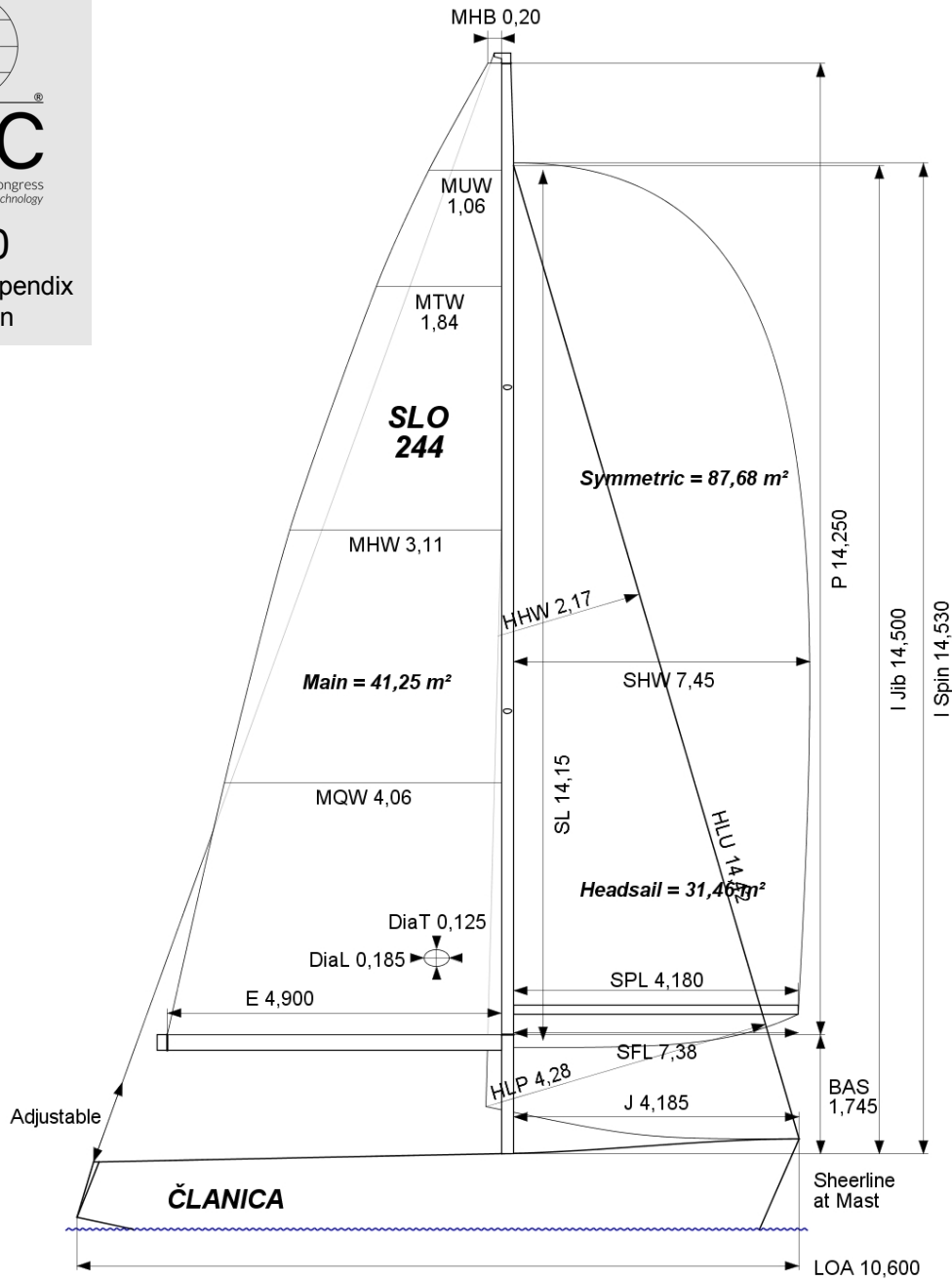
MEASUREMENT INVENTORY									
Id	Item	Tank Use	Tank Type	Capcty	Dist.	VCG	Condtn	Description	
1	Tank Fuel		fix	60.0	6.20		0-0	STARBOARD	
2	Tank Water		fix	110.0	5.60		0-0	PORT	
Id	Item	Weight	Distance	VCG Description					
1	Battery		4.70	1*12V 60 Ah					
2	Battery		5.15	2*12V 85 Ah					



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Sail Plan



SAILS INVENTORY

MAINSAIL (1)

Id	MHB	MUW	MTW	MHW	MQW	Area	Measurer	Meas.Date	Manufacture	Material	Comment
152585	0,20	1,06	1,84	3,11	4,06	41,26		12/02/2015	BEILKEN	Unknown	MAIN

HEADSAILS (2)

Id	HHB	HUW	HTW	HHW	HQW	HLP	HLU	Ovrlp	Area	Btn	Flying	Measurer	Meas.Date	Manufacture	Material	Comment
151663	0,12	0,61	1,13	2,17	3,25	4,28	14,42	102%	31,46	Y	No		29/04/2015	BEILKEN	Unknow	Code 1 M-H
3	0,12	0,50	0,91	1,83	2,83	3,91	14,27	93%	27,12	Y	No		12/04/2016	BEILKEN	Unknow	#3

SYMMETRIC SPINNAKERS (1)

Id	SLU	SLE	SL	SHW	SFL	Area	Measurer	Meas.Date	Manufacture	Material	Comment
162909	14,15	14,15	14,15	7,45	7,38	87,69		10/02/2017		Nylon	

ASYMMETRIC SPINNAKERS (0)

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