

BOAT Name KETURI VÉJAI Sail Nr LTU 2068	GPH 611.1	HULL Length Overall 10.600m Maximum Beam 3.250m Displacement 4,551kg Draft 1.995m IMS Reg. Division Cruiser/Racer Dynamic Allowance 0.043% Fwd Accommodation Yes Hull Construction Cored Carbon Rudder No Crew Arm Extension
GENERAL Class X-35 MOD Designer JEPPESEN Builder X YACHTS Series 09/2005 Age 09/2009 Age Allowance 0.455% Offset File X35mk2DEF.off - 29/06/2017 18:21:58 Measurement by - 05/06/2014		IMSL 9.437m VCGD -0.152m Sink 17.47kg/mm RL 8.756m VCGM -0.159m WS 24.51m² LSM0 9.261m Displacement/Length ratio 5.7297



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SCORING OPTIONS						
	COASTAL / LONG DISTANCE			WINDWARD / LEEWARD		
Time on Distance	594.9			664.6		
Time on Time	1.0086			1.0156		
Triple Number	Low	Medium	High	Low	Medium	High
Time on Distance	695.9	542.4	485.1	898.2	665.5	584.5
Time on Time	0.9700	1.2444	1.3914	0.7515	1.0142	1.1549

TIME ALLOWANCES							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	1024.8	843.8	746.7	713.6	700.6	693.8	685.3
52°	670.2	562.8	516.7	501.8	496.2	493.6	486.1
60°	632.5	540.3	503.8	488.4	482.1	478.7	470.8
75°	604.0	525.3	494.2	474.7	460.8	453.6	447.8
90°	610.2	525.5	488.5	471.3	451.4	434.3	415.9
110°	616.1	516.8	479.3	452.4	430.1	414.5	391.1
120°	632.3	525.2	484.0	453.6	425.0	403.5	367.9
135°	699.0	566.0	504.2	473.0	443.6	415.5	355.9
150°	831.3	662.1	558.4	503.6	474.7	447.5	395.7
Run VMG	959.9	764.5	644.5	570.5	520.5	487.6	436.5

Certificate

Number **LT2068**
ORC Ref **lt00000954**
Issued On **15/07/2019**
VPP Ver. **2019 1.01**
Valid until **31/12/2019**

Crew Weight

Default 617kg
Maximum **641kg**
Minimum* **481kg**
**when applied by the NoR and SI*
Non Manual Pwr **No**

Special Scoring

	ToD	ToT
Non Spin GPH	645.1	0.9301
Non Spin OSN	626.8	0.9572

Selected Courses							
Windward / Leeward	992.3	804.1	695.6	642.0	610.6	590.7	560.9
Circular Random	837.4	677.8	593.1	544.4	514.4	494.2	465.9
Coastal / Long Distance	989.1	756.0	629.9	563.6	526.6	496.2	444.6
Non Spinnaker	898.1	720.7	625.1	569.6	535.4	512.8	483.1

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	42.8°	41.6°	40.3°	38.9°	38.9°	38.5°	39.0°
Beat VMG	3.51	4.27	4.82	5.04	5.14	5.19	5.25
52°	5.37	6.40	6.97	7.17	7.26	7.29	7.41
60°	5.69	6.66	7.15	7.37	7.47	7.52	7.65
75°	5.96	6.85	7.28	7.58	7.81	7.94	8.04
90°	5.90	6.85	7.37	7.64	7.98	8.29	8.66
110°	5.84	6.97	7.51	7.96	8.37	8.68	9.20
120°	5.69	6.85	7.44	7.94	8.47	8.92	9.79
135°	5.15	6.36	7.14	7.61	8.12	8.66	10.11
150°	4.33	5.44	6.45	7.15	7.58	8.04	9.10
Run VMG	3.75	4.71	5.59	6.31	6.92	7.38	8.25
Gybe Angles	140.8°	148.4°	150.3°	158.1°	180.0°	180.0°	180.0°

Class Division Length

CDL = 9.097

Storm Sails Areas

Heavy Weather Jib **28.66**
Storm Jib (JL=9.48) **10.62**
Storm Triesail **11.43**

Owner

BOAT	
Name KETURI VÉJAI	Sail Nr LTU 2068
File KeturiVejai	Data in meters/kilograms

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 13.380	E 4.880 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 4.170 MDL2 0.140 MWT 110.90
FSP 0.068	TPS 4.185 TL 0.930 MCG 4.900

INCLINING TEST AND FREEBOARDS			
Inclining Test Boom Inclining		LCFD	
Flotation date 24/05/2019		SG 1.0010	
FFM 1.306	FF 1.315	SFFP 0.075	
FAM 0.988	FA 0.994	SAFP 10.275	
W1 63.0	PD1 118.0	WD 4.520	
W2 63.0	PD2 119.0	GSA 314.2	
W3 63.0	PD3 118.0	RSA 20106.	
W4 63.0	PD4 119.0	PLM 2950.0	
LCF from stem on CL / on sheer		5.933 / 6.132	
Maximum beam station from stem		7.300	
RM Measured		122.2kg-m	
RM Default		120.7kg-m	
Limit of positive stability / Stab.Index		127.5° / 128.4	
Freeboard at mast at 4.185		1.107	



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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	ST5 0.255	
ST2 0.178	ST4 0.112	EDL 2.390	

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COMMENTS	
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MOVABLE BALLAST	
N/A	

CENTERBOARD	
N/A	



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SAILS (Maximum Areas)									
Mainsail	MHB	MUW	MTW	MHW	MQW	Area	Area (r)	Formula	
	0.380	1.17	1.95	3.27	4.20	40.32	41.35	P/8 · (E + 2·MQW+ 2·MHW + 1.5·MTW + MUW + 0.5·MHB)	
Symmetric	SLU	SLE	SL	SHW	SFL				
	14.62	14.62	14.62	8.22	8.00	99.61		SL · (SFL + 4·SHW) / 6	
Asymmetric on centerline	SLU	SLE	SL	SHW	SFL				
	15.04	13.63	14.34	7.04	5.36	80.08		AS · (SFL + 4·SHW) / 6	

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
0.17	0.74	1.32	2.32	3.35	4.41	14.28	32.96	Y		24/05/2019	Unknow	
0.13	0.65	1.21	2.28	3.34	4.39	14.41	32.61	Y		24/05/2019	Unknow	
0.17	0.57	1.04	2.03	3.13	4.31	13.44	28.37	Y		28/04/2019	Unknow	

MEASUREMENT INVENTORY				
Measurer LBS#7				
Date 07/07/2017				
Comment				
Id	Item	Weight	Distance	VCG Description
Id	Item	Maker	Model	
1	Engine	Yanmar	3YM20C	
Id	Item	Weight Description		

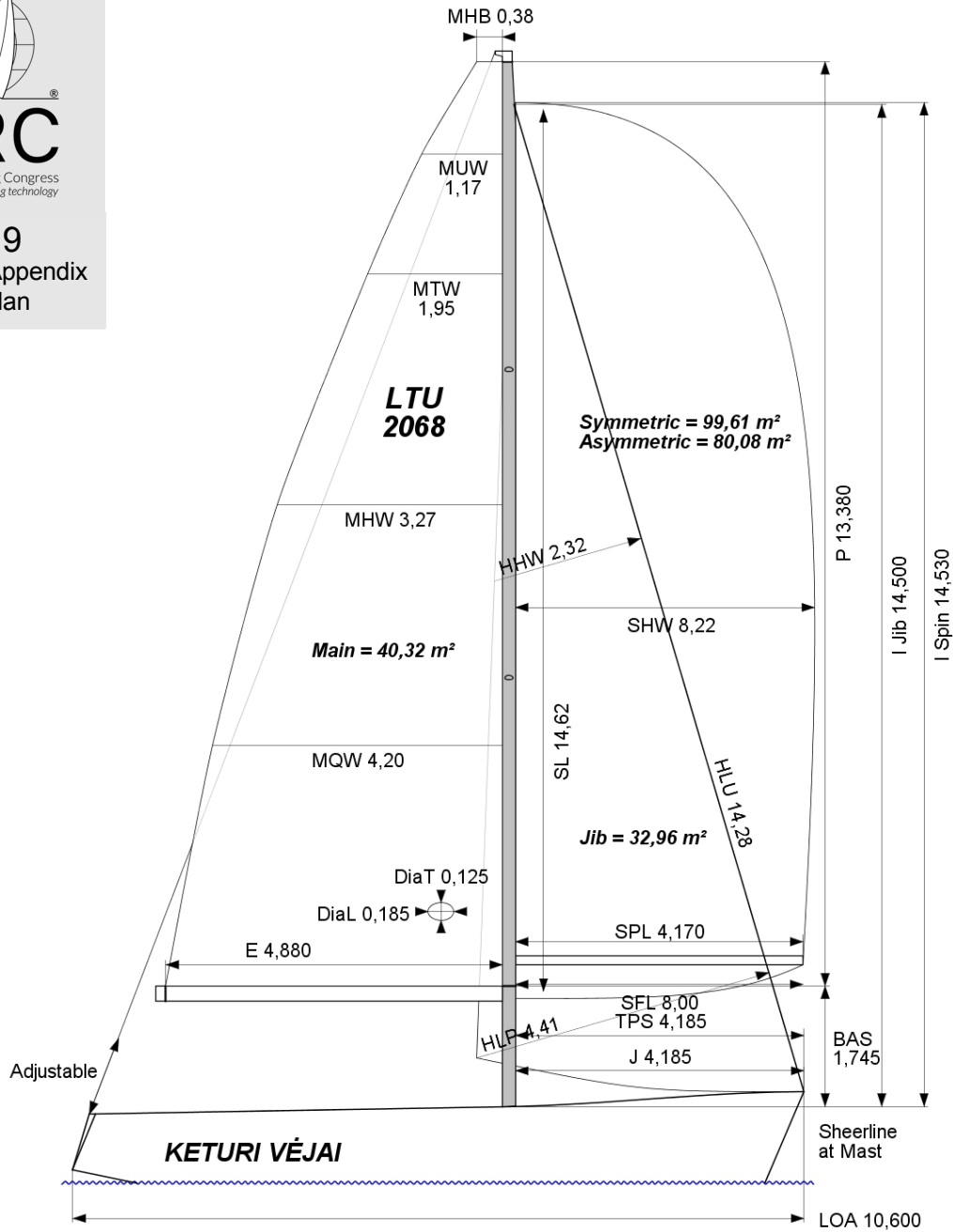
MEASUREMENT INVENTORY						
Id	Item	Tank Use	Tank Type	Capcty	Dist.	VCG Condtn Description
1	Tank fuel		st.stl	60.0	6.15	15.0 fuel
2	Tank H2O		pvc	120.0	5.52	0.0 Water
3	Tank gas		steel	2.0	9.45	0.0 LPG gas
Id	Item	Weight	Distance	VCG Description		
1	Battery	6.0	5.11	60 Ah gel - services		
2	Battery	18.4	4.83	55 Ah - engine		
-	Misc			Removed decorative wall panels		
-	Misc			Removed sofa backboards in saloon		



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Sail Plan



SAILS INVENTORY

MAINSAIL (2)

Id	MHB	MUW	MTW	MHW	MQW	Area	Measurer	Meas.Date	Manufacture	Material	Comment
3	0.38	1.17	1.95	3.27	4.20	40.32		16/06/2018		Unknown	
11	0.36	1.08	1.78	2.97	3.84	37.52		07/07/2017	One Sails	Twaron	

HEADSAILS (3)

Id	HHB	HUW	HTW	HHW	HQW	HLP	HLU	Ovrlp	Area	Btn	Fly	Measurer	Meas.Date	Manufacture	Material	Comment
1*	0.17	0.74	1.32	2.32	3.35	4.41	14.28	105%	32.96	Y			24/05/2019		Unknown	
2*	0.13	0.65	1.21	2.28	3.34	4.39	14.41	105%	32.61	Y			24/05/2019		Unknown	
3*	0.17	0.57	1.04	2.03	3.13	4.31	13.44	103%	28.37	Y			28/04/2019		Unknown	

SYMMETRIC SPINNAKERS (3)

Id	SLU	SLE	SL	SHW	SFL	Area	Measurer	Meas.Date	Manufacture	Material	Comment
14	14.62	14.62	14.62	8.22	8.00	99.62		24/01/2019	NS	Unknown	
13	14.87	14.87	14.87	8.05	7.99	99.61		26/06/2017	One Sails	Unknown	
12	14.22	14.22	14.22	7.68	7.46	90.49		10/05/2016	One Sails	Nylon	Light - White

ASYMMETRIC SPINNAKERS (1)

Id	SLU	SLE	SL	SHW	SFL	Area	Kind	Measurer	Meas.Date	Manufacture	Material	Comment
1	15.04	13.63	14.34	7.04	5.36	80.09	asym		24/01/2019	NS	Unknown	