



World Leader in Rating Technology

2018 ORC Club Certificate

Rating Office

Žemaites 6
LT-03117 Vilnius
Lithuania
+370 650 28392



Certificate

Number **LT2080**
Issued On **2018-05-08**
ORC Ref **lt00000506**
VPP Ver. **2018 0.02b**
Valid until **2018-12-31**

Crew Weight

Declared **640kg**
Default* **616kg**
Non Manual Pwr **No**

Special Scoring

ToD ToT
Non Spin GPH **675,3 0,8885**
Non Spin OSN **652,4 0,9197**

Sails Limitations

Headsails **5** Spinnakers **3**

Spinnaker configuration

Symmetric: **Yes 82,17**
Asymmetric: **Yes 65,87**
Flying H/S: **No**
Spin. Pole: **Yes**

Class Division Length

CDL = **8,803**

Stability (Measured)

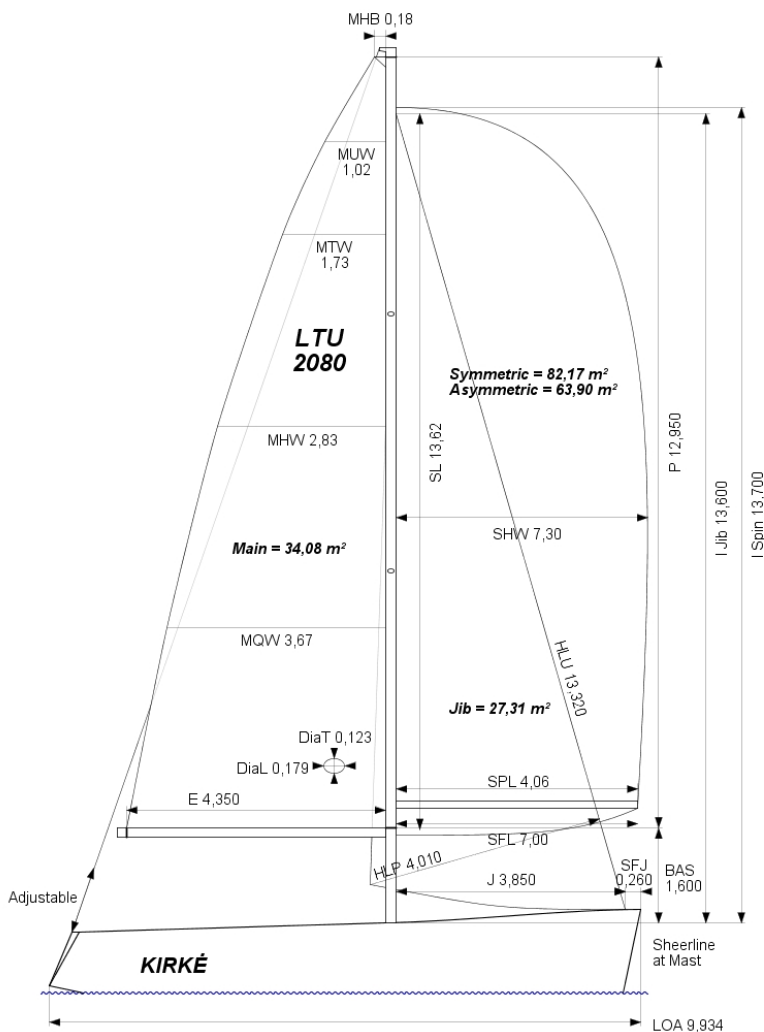
Limit Positive Stab.: **117,8°**
Stability Index: **118,7**

Owner

Mr. A. Virbickas
Krivules 10
Vilnius Lithuania

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

Signature



BOAT Name KIRKÉ Sail Nr LTU 2080		GPH 638,7	HULL Data File Kirke LTU2080 LOA 9,934m Offset File sal34v2.off MB 3,270m Displacement 4.689kg Draft 2,121m			
CLASS Class Salona 34 Designer JJ design Builder AD.Boats Series 01-2008 Age Date 07-2008 Age Allowance 0,325%		IMS Division Cruiser/Racer Dynamic All. 0,191% Fwd Accom. Yes Construction Cored Fiber Rigging No Aramid Core No Crew Arm Ex Carbon Rudder No Light Stanchions No				
COMMENTS		IMSL 9,307m VCGD -0,002m Sink 17,33kg/mm RL 8,297m VCGM 0,067m WS 22,67m² LSM0 9,250m Displacement/Length ratio 5,9245				
PROPELLER Installation Strut PRD 0,418 Type Folding 2 blades PBW 0,102 PIPA 0,0033		CENTERBOARD N/A				
SCORING OPTIONS						
	COASTAL / LONG DISTANCE			WINDWARD / LEEWARD		
Time On Distance	619,4			689,3		
Time On Time	0,9687			0,9793		
Triple Number	Low	Medium	High	Low	Medium	High
Time on Distance	733,1	564,9	505,7	942,5	691,5	602,9
Time on Time	0,9208	1,1948	1,3348	0,7162	0,9761	1,1196

BOAT	
Name KIRKÉ	Sail Nr LTU 2080
File Kirke LTU2080	Data in meters/kilograms

INCLINING TEST AND FREEBOARDS		
Inclining Test Current Inclining		
Flotation date 30-05-2014		SG 1,0000
FFM 1,392	FF 1,399	SFFP 0,254
FAM 1,020	FA 1,029	SAFP 9,438
W1 63,0	PD1 582,9	WD 11,900
W2 63,0	PD2 592,6	GSA 1,0
W3 63,0	PD3 592,1	RSA 1,0
W4 63,0	PD4 596,1	PLM 9000,0
LCF from stem on CL / on sheer		5,471 / 5,707
Maximum beam station from stem		6,301
RM Measured		99,9kg·m
RM Default		100,7kg·m
Limit of positive stability / Stab.Index		117,8° / 118,7
Freeboard at mast at 4,110		1,167



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2018 Measurements Datasheet

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 12,950	E 4,350	MDT1 0,123	MW 0,179	
IG 13,600	J 3,850	MDL1 0,179	GO 0,200	
ISP 13,700	SFJ 0,260	MDT2 0,123	BD	
BAS 1,600	SPL 4,060	MDL2 0,179	MWT	
FSP	TPS	TL 0,790	MCG	

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MIZZEN RIG AND SAILS	
N/A	

PROPELLER		
Installation Strut	PRD 0,418	
Type Folding 2 blades	PBW 0,102	
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	

MOVEABLE BALLAST	
N/A	

CENTERBOARD	
N/A	

SAILS INVENTORY																
MANSAL (1)																
Id	MHB	MUW	MTW	MHW	MQW	Area	Measurer	Meas.Date	Manufacture	Material	Comment					
5	0,180	1,02	1,73	2,83	3,67	34,08				Unknown						
HEADSAILS (1)																
Id	HHB	HUW	HTW	HHW	HQW	HLP	HLU	Ovrlp	Area	Btn	Fly	Measurer	Meas.Date	Manufacture	Material	Comment
4	0,09	0,58	1,10	2,05	3,03	4,01	13,32	104%	27,32							Unknow
SYMMETRIC SPINNAKERS (1)																
Id	SLU	SLE	SL	SHW	SFL	Area	Measurer	Meas.Date	Manufacture	Material	Comment					
02	13,62	13,62	13,62	7,30	7,00	82,17				Unknown						
ASYMMETRIC SPINNAKERS (1)																
Id	SLU	SLE	SL	SHW	SFL	Area	Kind	Measurer	Meas.Date	Manufacture	Material	Comment				
02	13,80	12,20	13,00	5,54	7,33	63,90	asym	R.Stropus	29-04-2017		Unknown					

MEASUREMENT INVENTORY				
Measurer	Date	Comment		
Id	Item	Weight	Distance	VCG Description
Id	Item	Weight	Description	

MEASUREMENT INVENTORY								
Id	Item	Tank Use	Tank Type	Capcty	Dist.	VCG	Condtn	Description
01	Tank		Diesel		7,50			25,0
Id	Item	Weight	Distance	VCG Description				



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2018

ORC Club Certificate Appendix

BOAT	
Name	KIRKÉ
Certificate Number	LT2080
Sail Nr	LTU 2080
Issued On	2018-05-08

TIME ALLOWANCES							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	1082,3	895,7	787,2	733,1	716,4	711,3	703,9
52°	716,5	601,7	541,7	518,6	509,8	506,5	503,3
60°	681,4	575,1	527,0	506,9	496,6	492,5	490,9
75°	655,4	557,3	517,1	496,6	482,1	471,5	463,6
90°	650,3	543,4	503,9	484,5	475,9	461,6	437,4
110°	646,6	538,1	498,1	473,1	451,2	432,3	413,0
120°	664,5	549,5	503,8	477,0	451,4	428,2	394,9
135°	731,0	596,5	526,2	494,9	470,2	444,6	396,4
150°	864,1	687,7	583,1	523,7	495,0	472,0	425,5
Run VMG	997,8	794,2	672,2	593,3	538,3	504,6	459,3

Selected Courses							
Windward / Leeward	1040,1	844,9	729,7	663,2	627,4	607,9	581,6
Circular Random	880,0	710,2	619,5	567,3	535,6	515,1	488,5
Ocean for PCS	1071,4	829,0	692,9	610,3	557,3	520,3	468,0
Non Spinnaker	945,7	756,6	653,9	593,9	557,2	533,5	503,8

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	42,2°	40,6°	40,2°	38,7°	38,1°	38,1°	38,0°
Beat VMG	3,33	4,02	4,57	4,91	5,03	5,06	5,11
52°	5,02	5,98	6,65	6,94	7,06	7,11	7,15
60°	5,28	6,26	6,83	7,10	7,25	7,31	7,33
75°	5,49	6,46	6,96	7,25	7,47	7,64	7,77
90°	5,54	6,63	7,14	7,43	7,56	7,80	8,23
110°	5,57	6,69	7,23	7,61	7,98	8,33	8,72
120°	5,42	6,55	7,15	7,55	7,98	8,41	9,12
135°	4,92	6,04	6,84	7,27	7,66	8,10	9,08
150°	4,17	5,23	6,17	6,87	7,27	7,63	8,46
Run VMG	3,61	4,53	5,36	6,07	6,69	7,13	7,84
Gybe Angles	145,6°	150,0°	151,4°	158,5°	180,0°	180,0°	180,0°