



World Leader in Rating Technology

2017 ORC Club Certificate

Rating Office

Žemaites 6
LT-03117 Vilnius
Lithuania
+370 650 28392



Certificate

Number **LT2037**
Issued On **2017-05-20**
ORC Ref **lt00000106**
VPP Ver. **2017 1.00**
Valid until **2017-12-31**

Crew Weight

Declared **400kg**
Default* **587kg**
Non Manual Pwr **No**

Special Scoring

ToD ToT
Non Spin GPH **683.9 0.8773**
Non Spin OSN **662.0 0.9064**

Sails Limitations

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

Spinnaker configuration

Symmetric: **Yes 81.39**
Asymmetric: **Yes 72.16**
Flying H/S: **No**
Spin. Pole: **Yes**

Class Division Length

CDL = 8.511

Stability (Estimated)

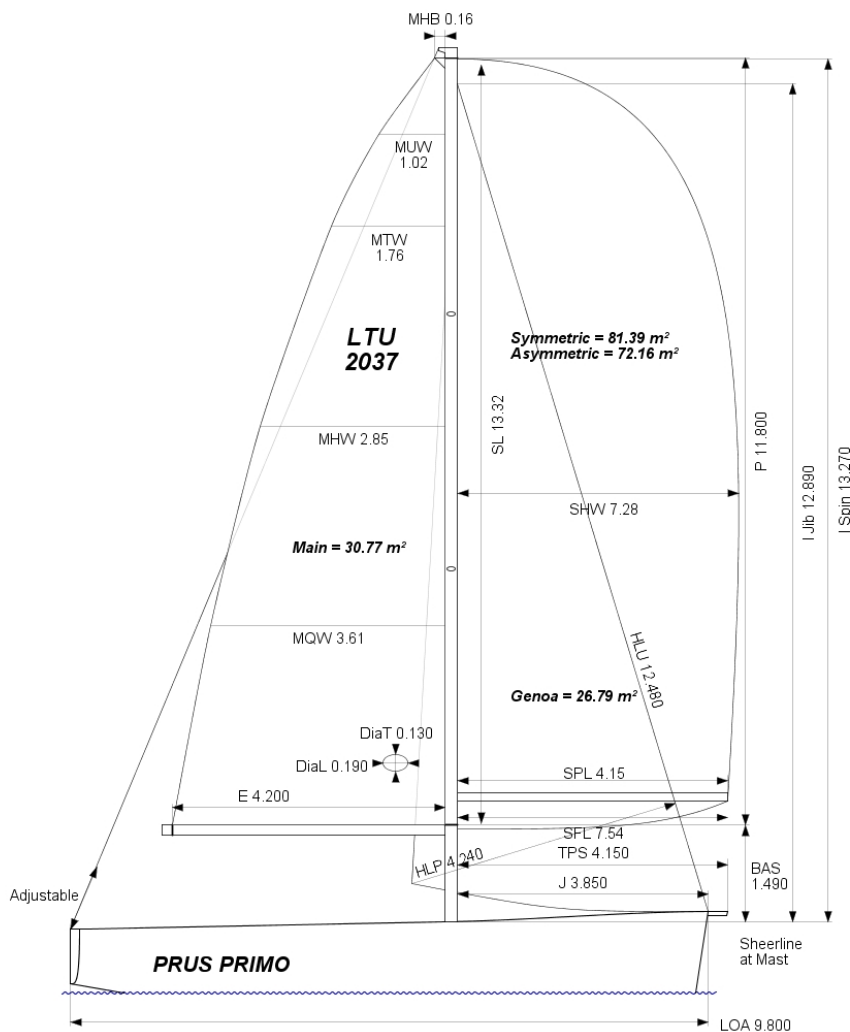
Limit Positive Stab.: **109.0°**
Stability Index: **104.4**

Owner

UAB "ŽMOGAUS STUDIJU
CENTRAS"
Traku g. 8
Vilnius
Lithuania

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

Signature



BOAT		GPH		HULL			
Name PRUS PRIMO Sail Nr LTU 2037		646.8		Data File PrusPrimo	LOA 9.800m		
				Offset File SF3200s.OFF	MB 3.490m		
				Displacement 3,944kg	Draft 1.926m		
CLASS				IMS Division Cruiser/Racer	Dynamic All. 0.189%		
Class SUN FAST 3200				Fwd Accom. No	Construction Cored		
Designer				Fiber Rigging No	Aramid Core No		
Builder JEANNEAU				Crew Arm Ex	Carbon Rudder No		
Series 06-2008				Light Stanchions No			
Age Date 06-2008				IMSL 9.288m	VCGD 0.190m	Sink 17.51kg/mm	
Age Allowance 0.292%				RL 7.732m	VCGM 0.166m	WS 22.10m	
COMMENTS				LSM0 8.938m	Displacement/Length ratio 5.5235		
				Water Ballast 0	Trim Tab No		
PROPELLER				CENTERBOARD			
Installation Strut	PRD 0.420			N/A			
Type Folding 2 blades	PBW 0.080						
	PIPA 0.0032						
SCORING OPTIONS							
	COASTAL / LONG DISTANCE			WINDWARD / LEEWARD			
Time On Distance	627.1			704.3			
Time On Time	0.9567			0.9585			
Triple Number	Low	Medium	High	Low	Medium	High	
Time on Distance	751.7	570.4	501.8	978.3	708.7	609.4	
Time on Time	0.8980	1.1834	1.3451	0.6900	0.9524	1.1077	

BOAT	
Name PRUS PRIMO	Sail Nr LTU 2037
File PrusPrimo LTU2037	Data in meters/kilograms

INCLINING TEST AND FREEBOARDS		
Inclining Test Club Estimated VCG		
Flotation date 11-06-2016	SG 1.0000	
FFM 1.235	FF 1.243	SFFP 0.230
FAM 0.972	FA 0.976	SAFP 9.520
LCF from stem on CL / on sheer		5.481 / 5.736
Maximum beam station from stem		7.360
RM Measured		104.8kg·m
RM Default		101.8kg·m
Limit of positive stability / Stab.Index		109.0° / 104.4
Freeboard at mast at 3.850		1.085

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 11.800	E 4.200	MDT1 0.130	MW	
IG 12.890	J 3.850	MDL1 0.190	GO	
ISP 13.270	SFJ	MDT2	BD	
BAS 1.490	SPL 4.150	MDL2	MWT 135.00	
FSP	TPS 4.150	TL	MCG 5.250	



ORC
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2017
Measurements
Datasheet

MIZZEN RIG AND SAILS	
N/A	

PROPELLER		
Installation Strut	PRD 0.420	
Type Folding 2 blades	PBW 0.080	
Twin Screw No	PIPA 0.0032	
ST1 0.038	ST3 0.170	ST5 0.240
ST2 0.170	ST4 0.105	EDL 1.410

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COMMENTS	

MOVEABLE BALLAST	
N/A	

CENTERBOARD	
N/A	

SAILS INVENTORY																
MANSAL (2)																
Id	MHB	MUW	MTW	MHW	MQW	Area	Measurer	Meas.Date	Manufacture	Material	Comment					
2	0.160	1.02	1.76	2.85	3.61	30.77	LBS #6	10-06-2016	Quantum	Kevlar						
6	0.154	0.92	1.69	2.82	3.62	30.40	Jinadari Menaka	18-01-2011	NS	Kevlar						
HEADSAILS (4)																
Id	HHB	HUW	HTW	HHW	HQW	HLP	HLU	Ovrlp	Area	Btn	Fly	Measurer	Meas.Date	Manufacture	Material	Comment
03	0.07	0.58	1.11	2.15	3.19	4.24	12.48	110%	26.80			SLO 03	16-05-2017			Unknow
01	0.10	0.60	1.13	2.13	3.14	4.10	11.90	106%	25.18	Y		G.	06-05-2017			Vectran
02	0.06	0.53	1.07	2.08	3.10	4.07	12.11	106%	25.08	Y		G.	06-05-2017			Vectran
3						3.69	11.93	96%	22.41			V.Stankus	22-07-2010	NS		Kevlar
SYMMETRIC SPINNAKERS (2)																
Id	SLU	SLE	SL	SHW	SFL	Area	Measurer	Meas.Date	Manufacture	Material	Comment					
4	13.32	13.32	13.32	7.28	7.54	81.39	V.Stankus	22-07-2010	NS	Nylon						
8	13.56	13.56	13.56	7.20	7.20	81.36			NS	Nylon						
ASYMMETRIC SPINNAKERS (2)																
Id	SLU	SLE	SL	SHW	SFL	Area	Kind	Measurer	Meas.Date	Manufacture	Material	Comment				
3	13.56	12.12	12.84	6.53	7.60	72.16	asym		07-05-2015	EG	Unknown					
1	12.93	12.19	12.56	4.85	6.46	54.13	asym				Unknown					



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2017

ORC Club Certificate Appendix

BOAT

Name **PRUS PRIMO** Certificate Number **LT2037**
 Sail Nr **LTU 2037** Issued On **2017-05-20**

TIME ALLOWANCES

Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	1149.6	945.3	829.1	759.4	735.7	725.9	718.4
52°	741.6	618.0	548.5	517.4	507.1	502.6	498.3
60°	693.1	581.8	526.9	502.1	490.5	485.5	482.2
75°	654.1	554.4	512.0	488.9	469.9	456.7	448.0
90°	654.5	542.4	498.8	481.1	466.6	445.7	415.0
110°	651.7	538.7	494.9	465.4	440.5	424.2	398.9
120°	671.0	550.9	501.2	471.5	440.6	413.6	377.7
135°	740.7	598.9	524.9	491.0	463.3	434.2	375.3
150°	879.7	694.6	585.9	522.6	491.5	465.8	413.3
Run VMG	1015.8	802.0	676.1	594.7	539.5	502.9	452.8

Selected Courses

Windward / Leeward	1082.7	873.7	752.6	677.0	637.6	614.4	585.6
Circular Random	900.2	723.0	627.0	570.7	535.6	512.3	481.9
Ocean for PCS	1104.6	849.2	704.3	615.2	556.8	515.5	456.8
Non Spinnaker	966.1	769.7	662.0	598.2	558.4	532.3	499.8

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	44.2°	43.0°	42.7°	41.4°	40.4°	40.6°	40.9°
Beat VMG	3.13	3.81	4.34	4.74	4.89	4.96	5.01
52°	4.85	5.83	6.56	6.96	7.10	7.16	7.22
60°	5.19	6.19	6.83	7.17	7.34	7.41	7.47
75°	5.50	6.49	7.03	7.36	7.66	7.88	8.04
90°	5.50	6.64	7.22	7.48	7.72	8.08	8.67
110°	5.52	6.68	7.27	7.73	8.17	8.49	9.03
120°	5.37	6.53	7.18	7.63	8.17	8.70	9.53
135°	4.86	6.01	6.86	7.33	7.77	8.29	9.59
150°	4.09	5.18	6.14	6.89	7.32	7.73	8.71
Run VMG	3.54	4.49	5.32	6.05	6.67	7.16	7.95
Gybe Angles	145.3°	149.3°	150.7°	157.2°	175.9°	180.0°	180.0°