



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)

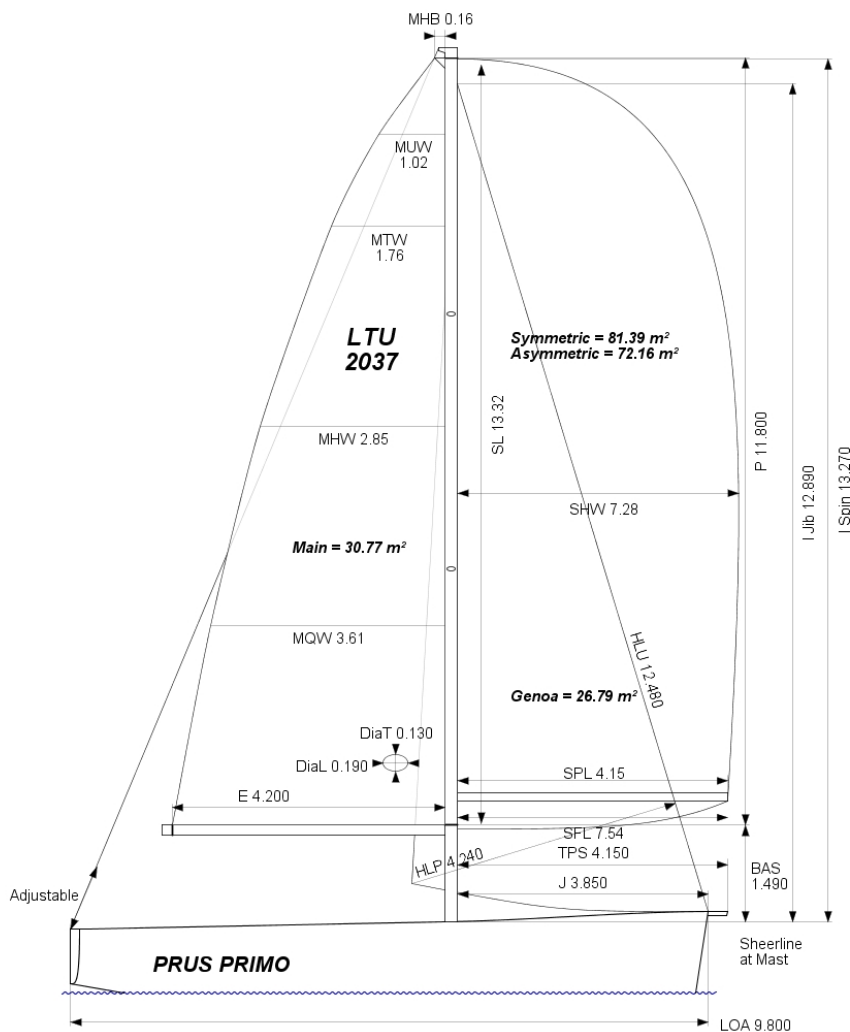
Limit Positive Stab.: **109.0°**  
Stability Index: **104.4**

### Owner

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

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

Signature



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

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

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

<b>RIG</b>			
Forestay Tension <b>Aft</b>	Spreaders <b>2</b>		
Inner Stay <b>None Fitted</b>	Runners <b>0</b>		
Carbon Mast <b>No</b>	Jumper Struts <b>None</b>		
Taper Hollows <b>No</b>	Jib Furler <b>No</b>		
Fiber Rigging <b>No</b>	Main Furler <b>No</b>		
Lenticular Rigging <b>No</b>	Without Backstay <b>No</b>		
Articulated Bowsprit <b>No</b>			
P <b>11.800</b>	E <b>4.200</b>	MDT1 <b>0.130</b>	MW
IG <b>12.890</b>	J <b>3.850</b>	MDL1 <b>0.190</b>	GO
ISP <b>13.270</b>	SFJ	MDT2	BD
BAS <b>1.490</b>	SPL <b>4.150</b>	MDL2	MWT <b>135.00</b>
FSP	TPS <b>4.150</b>	TL	MCG <b>5.250</b>



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## 2017 Measurements Datasheet

<b>MIZZEN RIG AND SAILS</b>	
N/A	

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

**Certificate**

Number **LT2037**  
 ORC Ref **k00000106**  
 Issued On **2017-05-20**  
 VPP Ver. **2017 1.00**  
 Valid until **2017-12-31**



<b>COMMENTS</b>

<b>MOVEABLE BALLAST</b>
N/A

<b>CENTERBOARD</b>
N/A

<b>SAILS INVENTORY</b>																
<b>MANSAL (2)</b>																
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						
<b>HEADSAILS (4)</b>																
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
<b>SYMMETRIC SPINNAKERS (2)</b>																
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						
<b>ASYMMETRIC SPINNAKERS (2)</b>																
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

<b>BOAT</b>	
Name	<b>PRUS PRIMO</b>
Sail Nr	<b>LTU 2037</b>
Certificate Number	<b>LT2037</b>
Issued On	<b>2017-05-20</b>

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

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

<b>Velocity Prediction in Knots for True Wind Speeds</b>							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat Angles	<b>44.2°</b>	<b>43.0°</b>	<b>42.7°</b>	<b>41.4°</b>	<b>40.4°</b>	<b>40.6°</b>	<b>40.9°</b>
Beat VMG	<b>3.13</b>	<b>3.81</b>	<b>4.34</b>	<b>4.74</b>	<b>4.89</b>	<b>4.96</b>	<b>5.01</b>
52°	<b>4.85</b>	<b>5.83</b>	<b>6.56</b>	<b>6.96</b>	<b>7.10</b>	<b>7.16</b>	<b>7.22</b>
60°	<b>5.19</b>	<b>6.19</b>	<b>6.83</b>	<b>7.17</b>	<b>7.34</b>	<b>7.41</b>	<b>7.47</b>
75°	<b>5.50</b>	<b>6.49</b>	<b>7.03</b>	<b>7.36</b>	<b>7.66</b>	<b>7.88</b>	<b>8.04</b>
90°	<b>5.50</b>	<b>6.64</b>	<b>7.22</b>	<b>7.48</b>	<b>7.72</b>	<b>8.08</b>	<b>8.67</b>
110°	<b>5.52</b>	<b>6.68</b>	<b>7.27</b>	<b>7.73</b>	<b>8.17</b>	<b>8.49</b>	<b>9.03</b>
120°	<b>5.37</b>	<b>6.53</b>	<b>7.18</b>	<b>7.63</b>	<b>8.17</b>	<b>8.70</b>	<b>9.53</b>
135°	<b>4.86</b>	<b>6.01</b>	<b>6.86</b>	<b>7.33</b>	<b>7.77</b>	<b>8.29</b>	<b>9.59</b>
150°	<b>4.09</b>	<b>5.18</b>	<b>6.14</b>	<b>6.89</b>	<b>7.32</b>	<b>7.73</b>	<b>8.71</b>
Run VMG	<b>3.54</b>	<b>4.49</b>	<b>5.32</b>	<b>6.05</b>	<b>6.67</b>	<b>7.16</b>	<b>7.95</b>
Gybe Angles	<b>145.3°</b>	<b>149.3°</b>	<b>150.7°</b>	<b>157.2°</b>	<b>175.9°</b>	<b>180.0°</b>	<b>180.0°</b>