

<b>BOAT</b> Name <b>NIDA III</b> Sail Nr <b>LTU 1111</b>	<b>GPH</b> <b>606.3</b>	<b>HULL</b> Length Overall <b>10.600m</b> Maximum Beam <b>3.250m</b> Displacement <b>4,591kg</b> Draft <b>2.178m</b> IMS Reg. Division <b>Cruiser/Racer</b> Dynamic Allowance <b>0.000%</b> Fwd Accommodation <b>Yes</b> Hull Construction <b>Cored</b> Carbon Rudder <b>No</b> Crew Arm Extension
<b>GENERAL</b> Class <b>X-35 OD</b> Designer <b>N. Jeppesen</b> Builder <b>X Jachts</b> Series <b>09-2005</b> Age <b>05-2007</b> Age Allowance <b>0.390%</b> Offset File <b>X35.off - 2012-07-17 13:10:56</b> Measurement by <b>G. Misiunas - 14-03-2016</b>		IMSL <b>9.478m</b> VCGD <b>0.097m</b> Sink <b>17.79kg/mm</b> RL <b>8.901m</b> VCGM <b>0.081m</b> WS <b>23.20m<sup>2</sup></b> LSM0 <b>9.281m</b> Displacement/Length ratio <b>5.7428</b>



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**2017**  
ORC International  
Certificate

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SCORING OPTIONS	COASTAL / LONG DISTANCE			WINDWARD / LEEWARD		
	Time On Distance	<b>591.1</b>			<b>659.6</b>	
Time On Time	<b>1.0150</b>			<b>1.0234</b>		
Triple Number	Low	Medium	High	Low	Medium	High
Time on Distance	<b>687.5</b>	<b>539.4</b>	<b>483.0</b>	<b>888.6</b>	<b>660.7</b>	<b>578.9</b>
Time on Time	<b>0.9818</b>	<b>1.2515</b>	<b>1.3976</b>	<b>0.7596</b>	<b>1.0216</b>	<b>1.1661</b>

TIME ALLOWANCES							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	<b>1015.2</b>	<b>846.4</b>	<b>745.7</b>	<b>707.8</b>	<b>692.3</b>	<b>684.4</b>	<b>674.1</b>
52°	<b>665.0</b>	<b>560.8</b>	<b>513.8</b>	<b>499.1</b>	<b>493.2</b>	<b>490.1</b>	<b>482.5</b>
60°	<b>626.6</b>	<b>536.2</b>	<b>500.4</b>	<b>485.2</b>	<b>478.9</b>	<b>475.3</b>	<b>466.9</b>
75°	<b>595.6</b>	<b>519.8</b>	<b>490.3</b>	<b>469.7</b>	<b>455.8</b>	<b>449.1</b>	<b>443.7</b>
90°	<b>596.9</b>	<b>514.4</b>	<b>489.2</b>	<b>467.9</b>	<b>446.8</b>	<b>428.8</b>	<b>413.6</b>
110°	<b>603.6</b>	<b>511.0</b>	<b>475.8</b>	<b>451.9</b>	<b>437.3</b>	<b>423.4</b>	<b>401.8</b>
120°	<b>620.7</b>	<b>520.0</b>	<b>482.3</b>	<b>452.2</b>	<b>423.8</b>	<b>408.0</b>	<b>383.1</b>
135°	<b>686.1</b>	<b>559.0</b>	<b>502.3</b>	<b>473.0</b>	<b>444.6</b>	<b>416.3</b>	<b>355.9</b>
150°	<b>813.9</b>	<b>652.4</b>	<b>553.1</b>	<b>501.7</b>	<b>474.3</b>	<b>448.0</b>	<b>395.7</b>
Run VMG	<b>939.8</b>	<b>753.3</b>	<b>637.7</b>	<b>566.1</b>	<b>517.2</b>	<b>486.1</b>	<b>436.3</b>

**Certificate**  
Number **LT1111**  
ORC Ref **I00000088**  
Issued On **2017-05-12**  
VPP Ver. **2017 1.00**  
Valid until **2017-12-31**

**Crew Weight**  
Declared **725kg**  
Default\* **619kg**  
Non Manual Pwr

**Special Scoring**  
ToD ToT  
Non Spin GPH **638.9 0.9391**  
Non Spin OSN **621.9 0.9648**

Selected Courses							
Windward / Leeward	<b>977.5</b>	<b>799.8</b>	<b>691.7</b>	<b>636.9</b>	<b>604.7</b>	<b>585.3</b>	<b>555.2</b>
Circular Random	<b>827.4</b>	<b>671.5</b>	<b>588.8</b>	<b>541.1</b>	<b>511.7</b>	<b>491.9</b>	<b>464.3</b>
Ocean for PCS	<b>1012.3</b>	<b>786.3</b>	<b>659.6</b>	<b>582.4</b>	<b>532.3</b>	<b>496.9</b>	<b>446.1</b>
Non Spinnaker	<b>885.9</b>	<b>712.8</b>	<b>619.5</b>	<b>565.0</b>	<b>531.2</b>	<b>508.6</b>	<b>478.1</b>

Sails Limitations	
Headsails	Spinnakers
<b>5</b>	<b>3</b>

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	<b>42.8°</b>	<b>41.8°</b>	<b>40.7°</b>	<b>39.1°</b>	<b>38.4°</b>	<b>38.2°</b>	<b>38.0°</b>
Beat VMG	<b>3.55</b>	<b>4.25</b>	<b>4.83</b>	<b>5.09</b>	<b>5.20</b>	<b>5.26</b>	<b>5.34</b>
52°	<b>5.41</b>	<b>6.42</b>	<b>7.01</b>	<b>7.21</b>	<b>7.30</b>	<b>7.35</b>	<b>7.46</b>
60°	<b>5.75</b>	<b>6.71</b>	<b>7.19</b>	<b>7.42</b>	<b>7.52</b>	<b>7.57</b>	<b>7.71</b>
75°	<b>6.04</b>	<b>6.93</b>	<b>7.34</b>	<b>7.66</b>	<b>7.90</b>	<b>8.02</b>	<b>8.11</b>
90°	<b>6.03</b>	<b>7.00</b>	<b>7.36</b>	<b>7.69</b>	<b>8.06</b>	<b>8.40</b>	<b>8.70</b>
110°	<b>5.96</b>	<b>7.05</b>	<b>7.57</b>	<b>7.97</b>	<b>8.23</b>	<b>8.50</b>	<b>8.96</b>
120°	<b>5.80</b>	<b>6.92</b>	<b>7.46</b>	<b>7.96</b>	<b>8.49</b>	<b>8.82</b>	<b>9.40</b>
135°	<b>5.25</b>	<b>6.44</b>	<b>7.17</b>	<b>7.61</b>	<b>8.10</b>	<b>8.65</b>	<b>10.12</b>
150°	<b>4.42</b>	<b>5.52</b>	<b>6.51</b>	<b>7.17</b>	<b>7.59</b>	<b>8.04</b>	<b>9.10</b>
Run VMG	<b>3.83</b>	<b>4.78</b>	<b>5.64</b>	<b>6.36</b>	<b>6.96</b>	<b>7.41</b>	<b>8.25</b>
Gybe Angles	<b>141.3°</b>	<b>148.6°</b>	<b>151.1°</b>	<b>158.9°</b>	<b>180.0°</b>	<b>180.0°</b>	<b>180.0°</b>

**Class Division Length**  
CDL = **9.190**

**Storm Sails Areas**  
Heavy Weather Jib **28.66**  
Storm Jib (JL=9.47) **10.61**  
Storm Trysail **12.22**


**Owner**  
A. Burkšas  
Nagliu 26 - 1  
Neringa  
Lituania

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

<b>BOAT</b>	
Name <b>NIDAIII</b>	Sail Nr <b>LTU 1111</b>
File <b>Nidaiiii LTU1111</b>	Data in <b>meters/kilograms</b>

<b>INCLINING TEST AND FREEBOARDS</b>			
Inclining Test <b>Current Inclining</b>			
Flotation date <b>28-04-2014</b>		SG	
FFM <b>1.334</b>	FF <b>1.337</b>	SFFP <b>0.075</b>	
FAM <b>0.960</b>	FA <b>0.962</b>	SAFP <b>10.275</b>	
W1 <b>77.7</b>	PD1 <b>597.2</b>	WD <b>10.850</b>	
W2 <b>77.7</b>	PD2 <b>599.6</b>	GSA <b>1.0</b>	
W3 <b>77.7</b>	PD3 <b>597.2</b>	RSA <b>1.0</b>	
W4 <b>77.7</b>	PD4 <b>598.8</b>	PLM <b>9000.0</b>	
LCF from stem on CL / on sheer		<b>6.023 / 6.217</b>	
Maximum beam station from stem		<b>7.300</b>	
RM Measured		<b>111.0kg·m</b>	
RM Default		<b>122.7kg·m</b>	
Limit of positive stability / Stab.Index		<b>113.6° / 114.7</b>	
Freeboard at mast at 4.185		<b>1.108</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>14.250</b>	E <b>4.900</b>	MDT1 <b>0.125</b>	MW <b>0.184</b>
IG <b>14.500</b>	J <b>4.185</b>	MDL1 <b>0.185</b>	GO <b>0.204</b>
ISP <b>14.980</b>	SFJ	MDT2 <b>0.122</b>	BD <b>0.220</b>
BAS <b>1.745</b>	SPL <b>4.185</b>	MDL2 <b>0.140</b>	MWT <b>156.00</b>
FSP <b>0.068</b>	TPS	TL <b>1.230</b>	MCG <b>4.600</b>




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**IMS Measurement Certificate**

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<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>0.128</b>		
Twin Screw <b>No</b>	PIPA <b>0.0033</b>		
ST1 <b>0.042</b>	ST3 <b>0.182</b>	ST5 <b>0.255</b>	
ST2 <b>0.178</b>	ST4 <b>0.112</b>	EDL <b>2.390</b>	

<b>COMMENTS</b>	

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

<b>CENTERBOARD</b>	
N/A	

<b>SAILS (Maximum Areas)</b>									
<b>Mainsail</b>	<b>MHB</b>	<b>MUW</b>	<b>MTW</b>	<b>MHW</b>	<b>MQW</b>	<b>Area</b>	<b>Area (r)</b>	<b>Formula</b>	
	0.270	1.05	1.84	3.11	4.05	41.26	42.03	P/8 · (E + 2·MQW + 2·MHW + 1.5·MTW + MUW + 0.5·MHB)	
<b>Symmetric</b>	<b>SLU</b>	<b>SLE</b>	<b>SL</b>	<b>SHW</b>	<b>SFL</b>	105.24		SL · (SFL + 4·SHW) / 6	
	15.93	15.93	15.93	8.06	7.40				
<b>Asymmetric</b>									
Not Available									

<b>HEADSAILS</b>												
Area = 0.1125·HLU · (1.445·HLP + 2·HQW + 2·HHW + 1.5·HTW + HUW + 0.5·HHB)												
<b>HHB</b>	<b>HUW</b>	<b>HTW</b>	<b>HHW</b>	<b>HQW</b>	<b>HLP</b>	<b>HLU</b>	<b>Area</b>	<b>Btn</b>	<b>Fly</b>	<b>Meas.Date</b>	<b>Material</b>	<b>Comment</b>
0.10	0.62	1.18	2.24	3.29	4.37	14.40	32.10	Y		14-03-2016	Kevlar	#1 2012
0.10	0.62	1.19	2.25	3.30	4.40	14.32	32.08	Y		14-03-2016	Kevlar	CODE 2 2014
0.13	0.63	1.18	2.24	3.27	4.37	14.36	31.99	Y		02-05-2017	Unknow	
0.09	0.63	1.19	2.25	3.29	4.38	14.30	31.96	Y		14-03-2016	Kevlar	CODE 2 2012
0.09	0.50	0.93	1.78	2.76	3.89	14.14	26.47	Y		14-03-2016	Kevlar	CODE 3 2010

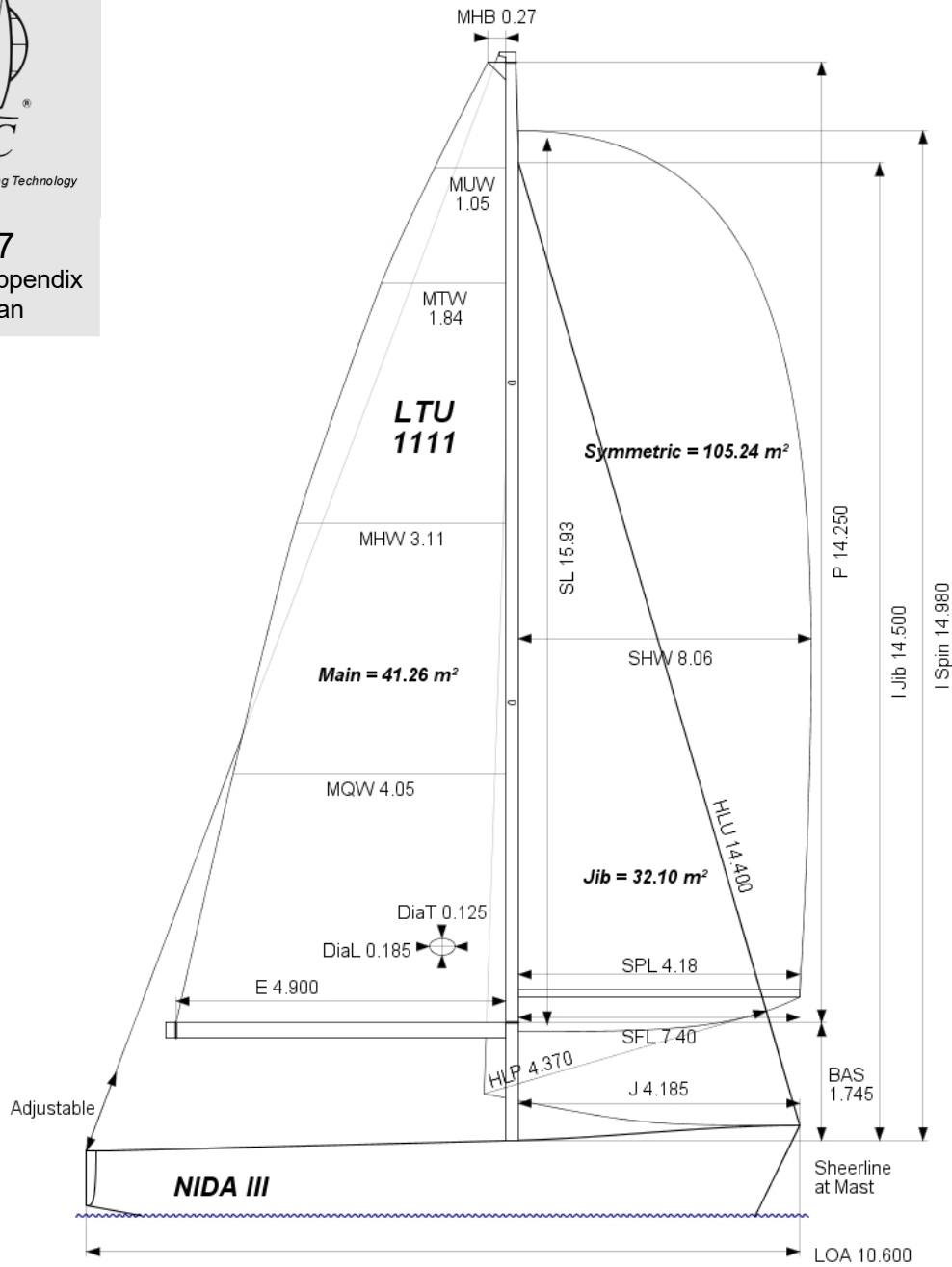
<b>MEASUREMENT INVENTORY</b>				
Measurer				
Date <b>28-04-2014</b>				
Comment				
<b>Id</b>	<b>Item</b>	<b>Weight</b>	<b>Distance</b>	<b>VCG Description</b>
<b>Id</b>	<b>Item</b>	<b>Weight Description</b>		

<b>MEASUREMENT INVENTORY</b>							
<b>Id</b>	<b>Item</b>	<b>Tank Use</b>	<b>Tank Type</b>	<b>Capcty</b>	<b>Dist.</b>	<b>VCG</b>	<b>Condtn Description</b>
002	Tank water		PVC	120.0	6.00		0-0
001	Tank diesel		PVC	50.0	5.80		50-0 TANK FULL
<b>Id</b>	<b>Item</b>	<b>Weight</b>	<b>Distance</b>	<b>VCG Description</b>			
001	Battery		4.20	2 batteries			



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Sail Plan



**SAILS INVENTORY**

MAINSAIL (1)																
Id	MHB	MUW	MTW	MHW	MQW	Area	Measurer	Meas.Date	Manufacture	Material	Comment					
2017	0.270	1.05	1.84	3.11	4.05	41.26	ESP 006	02-05-2017		Unknown						
HEADSAILS (5)																
Id	HHB	HUW	HTW	HHW	HQW	HLP	HLU	Ovrlp	Area	Btn	Fly	Measurer	Meas.Date	Manufacture	Material	Comment
2447	0.10	0.62	1.18	2.24	3.29	4.37	14.40	104%	32.10	Y		G.	14-03-2016		Kevlar	#1 2012
2710	0.10	0.62	1.19	2.25	3.30	4.40	14.32	105%	32.08	Y		G.	14-03-2016		Kevlar	CODE 2 2014
2017	0.13	0.63	1.18	2.24	3.27	4.37	14.36	104%	31.99	Y		ESP 006	02-05-2017		Unknown	
1988	0.09	0.63	1.19	2.25	3.29	4.38	14.30	105%	31.96	Y		G.	14-03-2016		Kevlar	CODE 2 2012
2132	0.09	0.50	0.93	1.78	2.76	3.89	14.14	93%	26.47	Y		G.	14-03-2016		Kevlar	CODE 3 2010
SYMMETRIC SPINNAKERS (5)																
Id	SLU	SLE	SL	SHW	SFL	Area	Measurer	Meas.Date	Manufacture	Material	Comment					
2017	15.93	15.93	15.93	8.06	7.40	105.24	ESP 006	02-05-2017		Unknown						
1818	14.22	14.22	14.22	7.59	7.37	89.42	G. Misiunas	14-03-2016		Nylon	M-RUN 2009					
2728	14.16	14.16	14.16	7.60	7.40	89.21	G. Misiunas	14-03-2016		Nylon	M-RUN					
4S	14.21	14.21	14.21	7.55	7.37	88.98	G. Misiunas	14-03-2016		Nylon	North Red					
S1	14.20	14.20	14.20	7.37	7.27	86.97	G. Misiunas	14-03-2016		Nylon						
ASYMMETRIC SPINNAKERS (0)																
Id	SLU	SLE	SL	SHW	SFL	Area	Kind	Measurer	Meas.Date	Manufacture	Material	Comment				