



World Leader in Rating Technology

## 2017 ORC Club Certificate

### Rating Office

Žemaites 6  
LT-03117 Vilnius  
Lithuania  
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### Certificate

Number **LT1616**  
Issued On **2017-05-11**  
ORC Ref **lt00000084**  
VPP Ver. **2017 1.00**  
Valid until **2017-12-31**

### Crew Weight

Declared **577kg**  
Default\* **577kg**  
Non Manual Pwr **No**

### Special Scoring

ToD ToT  
Non Spin GPH **699.9 0.8573**  
Non Spin OSN **679.8 0.8826**

### Sails Limitations

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

### Spinnaker configuration

Symmetric: **Yes 92.72**  
Asymmetric: **No**  
Flying H/S: **No**  
Spin. Pole: **Yes**

### Class Division Length

CDL = **8.068**

### Stability (Measured)

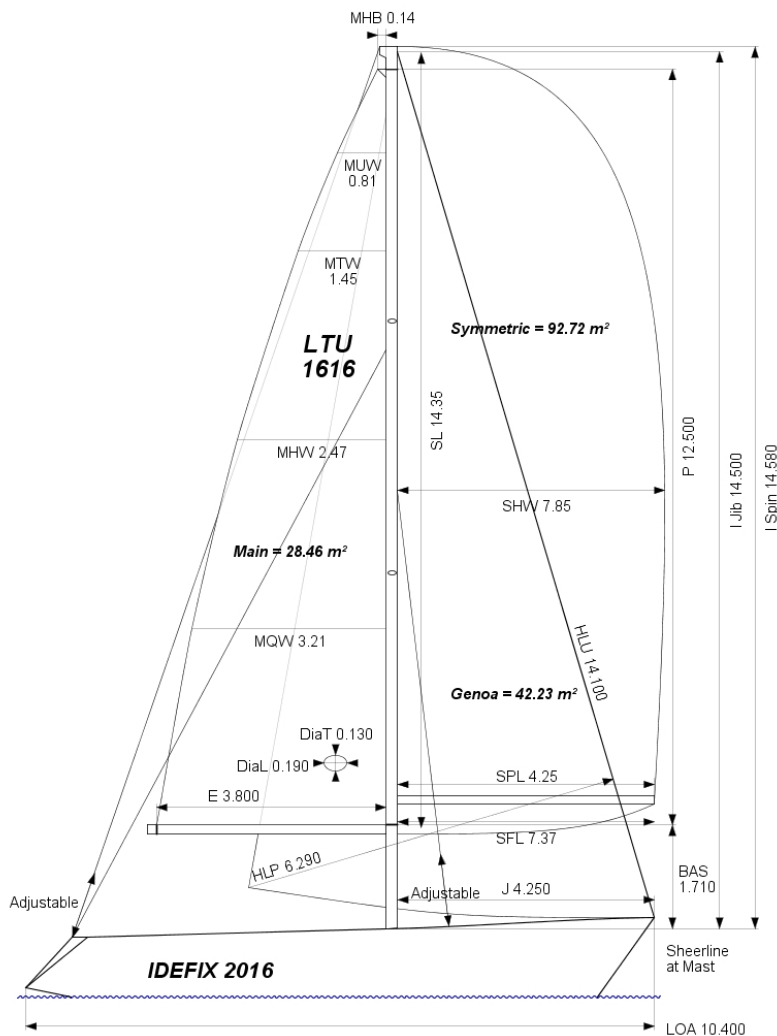
Limit Positive Stab.: **113.1°**  
Stability Index: **116.4**

### Owner

UAB Vedas  
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>IDEFIX 2016</b> Sail Nr <b>LTU 1616</b>		<b>670.8</b>		Data File <b>Idefix LTU1616</b>	LOA <b>10.400m</b>	
				Offset File <b>S8904.BOF</b>	MB <b>3.492m</b>	
				Displacement <b>6,418kg</b>	Draft <b>2.002m</b>	
<b>CLASS</b>				IMS Division <b>Cruiser/Racer</b>	Dynamic All. <b>0.431%</b>	
Class <b>Sweden Yachts 340</b>				Fwd Accom. <b>Yes</b>	Construction <b>Solid</b>	
Designer <b>Norlin / Ostmann</b>				Fiber Rigging <b>No</b>	Aramid Core <b>No</b>	
Builder <b>Sweden Yachts</b>				Crew Arm Ex	Carbon Rudder <b>No</b>	
Series <b>03-1986</b>					Light Stanchions <b>No</b>	
Age Date <b>07-1986</b>				IMSL <b>8.963m</b>	VCGD <b>0.039m</b>	Sink <b>17.96kg/mm</b>
Age Allowance <b>0.487%</b>				RL <b>7.172m</b>	VCGM <b>0.101m</b>	WS <b>25.22m<sup>2</sup></b>
<b>COMMENTS</b>				LSM0 <b>8.838m</b>	Displacement/Length ratio <b>9.2969</b>	
				Water Ballast <b>0</b>	Trim Tab <b>No</b>	
<b>PROPELLER</b>				<b>CENTERBOARD</b>		
Installation <b>Strut</b>	PRD <b>0.406</b>			<b>N/A</b>		
Type <b>Folding 2 blades</b>	PBW <b>0.116</b>					
	PIPA <b>0.0030</b>					
<b>SCORING OPTIONS</b>						
	<b>COASTAL / LONG DISTANCE</b>			<b>WINDWARD / LEEWARD</b>		
Time On Distance	<b>652.8</b>			<b>727.6</b>		
Time On Time	<b>0.9191</b>			<b>0.9277</b>		
Triple Number	Low	Medium	High	Low	Medium	High
Time on Distance	<b>766.1</b>	<b>595.2</b>	<b>531.5</b>	<b>987.0</b>	<b>734.8</b>	<b>633.2</b>
Time on Time	<b>0.8811</b>	<b>1.1340</b>	<b>1.2701</b>	<b>0.6839</b>	<b>0.9186</b>	<b>1.0660</b>

<b>BOAT</b>	
Name <b>IDEFIX 2016</b>	Sail Nr <b>LTU 1616</b>
File <b>Idfix LTU1616</b>	Data in <b>meters/kilograms</b>

<b>INCLINING TEST AND FREEBOARDS</b>		
Inclining Test <b>Current Inclining</b>		
Flotation date <b>05-06-2016</b>	SG <b>1.0010</b>	
FFM <b>1.290</b>	FF <b>1.301</b>	SFFP <b>0.588</b>
FAM <b>0.980</b>	FA <b>0.987</b>	SAFP <b>9.371</b>
W1 <b>78.9</b>	PD1 <b>137.0</b>	WD <b>7.500</b>
W2 <b>83.3</b>	PD2 <b>140.0</b>	GSA <b>314.0</b>
W3 <b>92.5</b>	PD3 <b>146.0</b>	RSA <b>314.0</b>
W4 <b>96.9</b>	PD4 <b>158.0</b>	PLM <b>2735.0</b>
LCF from stem on CL / on sheer	<b>5.822 / 6.068</b>	
Maximum beam station from stem	<b>5.958</b>	
RM Measured	<b>110.7kg·m</b>	
RM Default	<b>117.5kg·m</b>	
Limit of positive stability / Stab.Index	<b>113.1° / 116.4</b>	
Freeboard at mast at 4.250	<b>1.129</b>	

<b>RIG</b>			
Forestay Tension <b>Aft</b>	Spreaders <b>2</b>		
Inner Stay <b>Adjustable</b>	Runners <b>1</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>12.500</b>	E <b>3.800</b>	MDT1 <b>0.130</b>	MW <b>0.190</b>
IG <b>14.500</b>	J <b>4.250</b>	MDL1 <b>0.190</b>	GO <b>0.190</b>
ISP <b>14.580</b>	SFJ	MDT2 <b>0.130</b>	BD <b>0.145</b>
BAS <b>1.710</b>	SPL <b>4.250</b>	MDL2 <b>0.190</b>	MWT <b>180.00</b>
FSP <b>0.060</b>	TPS	TL	MCG <b>4.840</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>0.406</b>	
Type <b>Folding 2 blades</b>	PBW <b>0.116</b>	
Twin Screw <b>No</b>	PIPA <b>0.0030</b>	
ST1 <b>0.048</b>	ST3 <b>0.170</b>	ST5 <b>0.250</b>
ST2 <b>0.170</b>	ST4 <b>0.098</b>	EDL <b>1.640</b>

**Certificate**

Number **LT1616**  
 ORC Ref **It00000084**  
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 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 (1)</b>																
Id	MHB	MUW	MTW	MHW	MQW	Area	Measurer	Meas.Date	Manufacture	Material	Comment					
M	0.135	0.81	1.45	2.47	3.21	28.46	LBS 7	11-07-2013		Polyester	luff 12.42 foot 3.81					
<b>HEADSAILS (3)</b>																
Id	HHB	HUW	HTW	HHW	HQW	HLP	HLU	Ovrlp	Area	Btn	Fly	Measurer	Meas.Date	Manufacture	Material	Comment
G1	0.05	0.72	1.42	2.73	4.60	6.29	14.10	148%	42.23						Polyest	
G2	0.06	0.65	1.28	2.70	4.32	5.99	13.79	141%	39.24			LBS 7	11-07-2013		Dacron	foot 6.15 leech 13.19
G3	0.09	0.61	1.16	2.37	3.86	5.60	13.58	132%	35.06			LBS 7	11-07-2013		Dacron	foot 5.77 leech 13.20
<b>SYMMETRIC SPINNAKERS (2)</b>																
Id	SLU	SLE	SL	SHW	SFL	Area	Measurer	Meas.Date	Manufacture	Material	Comment					
s2	14.35	14.35	14.35	7.85	7.37	92.72		03-05-2016		Nylon						
S3	14.12	14.12	14.12	6.86	7.74	82.79	LBS 7	11-07-2013		Nylon						
<b>ASYMMETRIC SPINNAKERS (0)</b>																
Id	SLU	SLE	SL	SHW	SFL	Area	Kind	Measurer	Meas.Date	Manufacture	Material	Comment				



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# 2017

## ORC Club Certificate Appendix

BOAT	
Name	<b>IDEFIX 2016</b>
Certificate Number	<b>LT1616</b>
Sail Nr	<b>LTU 1616</b>
Issued On	<b>2017-05-11</b>

TIME ALLOWANCES							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	<b>1124.5</b>	<b>949.7</b>	<b>851.1</b>	<b>788.5</b>	<b>759.7</b>	<b>745.4</b>	<b>738.8</b>
52°	<b>736.6</b>	<b>627.7</b>	<b>565.3</b>	<b>538.2</b>	<b>526.7</b>	<b>521.2</b>	<b>517.4</b>
60°	<b>696.2</b>	<b>593.1</b>	<b>545.0</b>	<b>523.7</b>	<b>511.8</b>	<b>505.9</b>	<b>501.5</b>
75°	<b>663.3</b>	<b>568.1</b>	<b>530.7</b>	<b>511.4</b>	<b>497.2</b>	<b>485.7</b>	<b>474.2</b>
90°	<b>664.7</b>	<b>567.9</b>	<b>527.2</b>	<b>509.1</b>	<b>494.0</b>	<b>479.8</b>	<b>455.9</b>
110°	<b>687.9</b>	<b>569.7</b>	<b>522.1</b>	<b>497.6</b>	<b>477.5</b>	<b>465.7</b>	<b>450.0</b>
120°	<b>706.8</b>	<b>583.8</b>	<b>528.2</b>	<b>502.3</b>	<b>480.6</b>	<b>459.1</b>	<b>434.1</b>
135°	<b>773.2</b>	<b>635.3</b>	<b>552.9</b>	<b>517.5</b>	<b>495.4</b>	<b>474.6</b>	<b>435.5</b>
150°	<b>902.3</b>	<b>720.9</b>	<b>615.5</b>	<b>548.3</b>	<b>517.2</b>	<b>496.6</b>	<b>457.9</b>
Run VMG	<b>1041.9</b>	<b>832.1</b>	<b>708.9</b>	<b>623.3</b>	<b>562.7</b>	<b>526.1</b>	<b>485.4</b>

Selected Courses							
Windward / Leeward	<b>1083.2</b>	<b>890.9</b>	<b>780.0</b>	<b>705.9</b>	<b>661.2</b>	<b>635.7</b>	<b>612.1</b>
Circular Random	<b>920.0</b>	<b>745.0</b>	<b>651.1</b>	<b>596.5</b>	<b>563.1</b>	<b>541.7</b>	<b>516.3</b>
Ocean for PCS	<b>1123.9</b>	<b>872.6</b>	<b>730.5</b>	<b>643.2</b>	<b>586.5</b>	<b>547.3</b>	<b>494.2</b>
Non Spinnaker	<b>972.3</b>	<b>782.0</b>	<b>678.7</b>	<b>617.7</b>	<b>580.0</b>	<b>555.6</b>	<b>526.1</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>43.2°</b>	<b>41.7°</b>	<b>42.6°</b>	<b>41.9°</b>	<b>40.6°</b>	<b>39.9°</b>	<b>40.1°</b>
Beat VMG	<b>3.20</b>	<b>3.79</b>	<b>4.23</b>	<b>4.57</b>	<b>4.74</b>	<b>4.83</b>	<b>4.87</b>
52°	<b>4.89</b>	<b>5.74</b>	<b>6.37</b>	<b>6.69</b>	<b>6.84</b>	<b>6.91</b>	<b>6.96</b>
60°	<b>5.17</b>	<b>6.07</b>	<b>6.61</b>	<b>6.87</b>	<b>7.03</b>	<b>7.12</b>	<b>7.18</b>
75°	<b>5.43</b>	<b>6.34</b>	<b>6.78</b>	<b>7.04</b>	<b>7.24</b>	<b>7.41</b>	<b>7.59</b>
90°	<b>5.42</b>	<b>6.34</b>	<b>6.83</b>	<b>7.07</b>	<b>7.29</b>	<b>7.50</b>	<b>7.90</b>
110°	<b>5.23</b>	<b>6.32</b>	<b>6.90</b>	<b>7.23</b>	<b>7.54</b>	<b>7.73</b>	<b>8.00</b>
120°	<b>5.09</b>	<b>6.17</b>	<b>6.82</b>	<b>7.17</b>	<b>7.49</b>	<b>7.84</b>	<b>8.29</b>
135°	<b>4.66</b>	<b>5.67</b>	<b>6.51</b>	<b>6.96</b>	<b>7.27</b>	<b>7.59</b>	<b>8.27</b>
150°	<b>3.99</b>	<b>4.99</b>	<b>5.85</b>	<b>6.57</b>	<b>6.96</b>	<b>7.25</b>	<b>7.86</b>
Run VMG	<b>3.46</b>	<b>4.33</b>	<b>5.08</b>	<b>5.78</b>	<b>6.40</b>	<b>6.84</b>	<b>7.42</b>
Gybe Angles	<b>147.0°</b>	<b>151.4°</b>	<b>152.4°</b>	<b>157.8°</b>	<b>180.0°</b>	<b>180.0°</b>	<b>180.0°</b>