



World Leader in Rating Technology

2017 ORC Club Certificate

Rating Office

Žemaites 6
LT-03117 Vilnius
Lithuania
+370 650 28392



Certificate

Number **LT416**
Issued On **2017-07-20**
ORC Ref **lt00000221**
VPP Ver. **2017 1.00**
Valid until **2017-12-31**

Crew Weight

Declared **703kg**
Default* **678kg**
Non Manual Pwr **No**

Special Scoring

ToD ToT
Non Spin GPH **690.9 0.8684**
Non Spin OSN **669.4 0.8963**

Sails Limitations

Headsails **1** Spinnakers **3**

Spinnaker configuration

Symmetric: **Yes 89.24**
Asymmetric: **No**
Flying H/S: **No**
Spin. Pole: **Yes**

Class Division Length

CDL = **8.520**

Stability (Estimated)

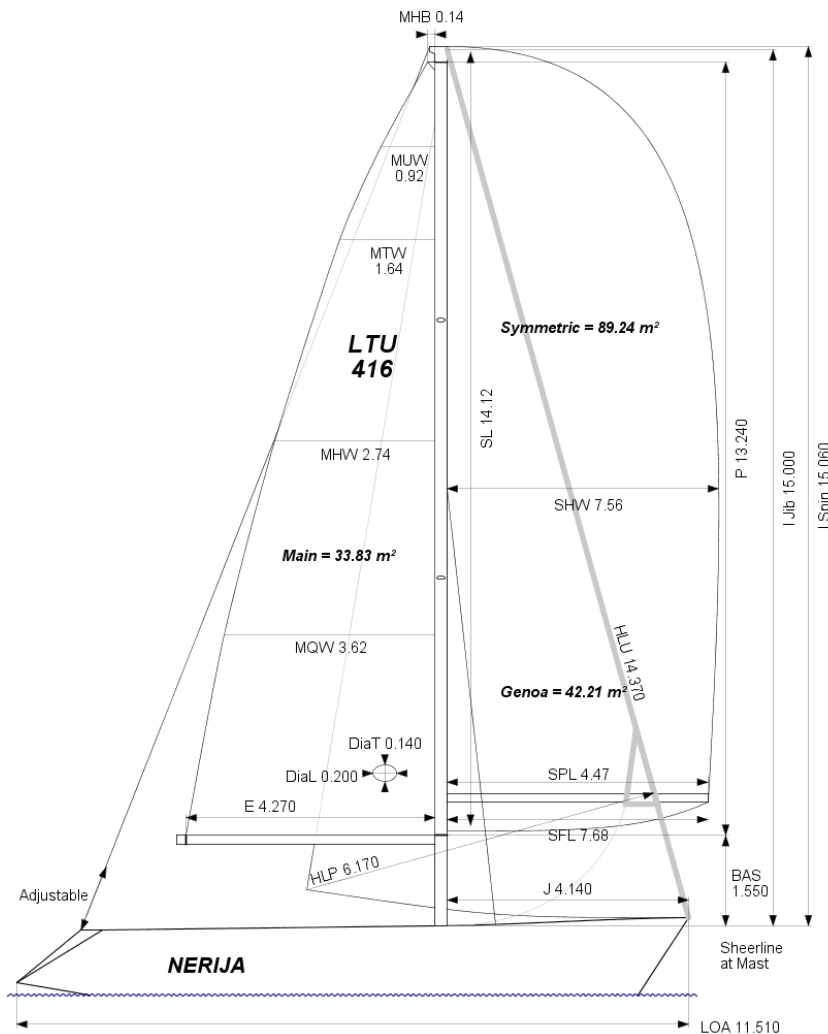
Limit Positive Stab.: **111.0°**
Stability Index: **113.1**

Owner

Dainius Jurevicius
Donelaicio 14 - 14
Vilnius
Lithuania

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

Signature



BOAT		GPH		HULL			
Name NERIJA Sail Nr LTU 416		662.9		Data File Nerija LTU416	LOA 11.510m		
				Offset File Bav370.BOF	MB 3.860m		
				Displacement 7,387kg	Draft 1.857m		
CLASS				IMS Division Cruiser/Racer	Dynamic All. 0.429%		
Class Bavaria 370				Fwd Accom. Yes	Construction Solid		
Designer				Fiber Rigging No	Aramid Core No		
Builder Bavaria Yachtbau				Crew Arm Ex	Carbon Rudder No		
Series 05-1991					Light Stanchions No		
Age Date 12-1991				IMSL 9.771m	VCGD 0.030m	Sink 21.75kg/mm	
Age Allowance 0.487%				RL 7.268m	VCGM 0.117m	WS 29.09m²	
COMMENTS				LSM0 9.893m	Displacement/Length ratio 7.6293		
7750				Water Ballast 0 Trim Tab No			
PROPELLER				CENTERBOARD			
Installation Strut	PRD 0.400			N/A			
Type Feathering 3 blades	PIPA 0.0032						
SCORING OPTIONS							
	COASTAL / LONG DISTANCE			WINDWARD / LEEWARD			
Time On Distance	643.0			720.6			
Time On Time	0.9331			0.9368			
Triple Number	Low	Medium	High	Low	Medium	High	
Time on Distance	775.2	584.3	508.8	1008.1	731.2	611.9	
Time on Time	0.8707	1.1553	1.3267	0.6696	0.9232	1.1031	

BOAT	
Name NERIJA	Sail Nr LTU 416
File Nerija LTU416	Data in meters/kilograms

INCLINING TEST AND FREEBOARDS			
Inclining Test Club Estimated VCG			
Flotation date		SG	
FFM	FF	1.305	SFFP 0.600
FAM	FA	1.105	SAFP 10.031
LCF from stem on CL / on sheer		6.230 / 6.459	
Maximum beam station from stem		6.445	
RM Measured		176.6kg·m	
RM Default		171.5kg·m	
Limit of positive stability / Stab.Index		111.0° / 113.1	
Freeboard at mast at 4.140		1.178	

RIG			
Forestay Tension Aft	Spreaders 2		
Inner Stay Fixed	Runners 0		
Carbon Mast No	Jumper Struts None		
Taper Hollows No	Jib Furler Yes		
Fiber Rigging No	Main Furler No		
Lenticular Rigging No	Without Backstay No		
Articulated Bowsprit No			
P 13.240	E 4.270	MDT1 0.140	MW
IG 15.000	J 4.140	MDL1 0.200	GO
ISP 15.060	SFJ	MDT2	BD
BAS 1.550	SPL 4.470	MDL2	MWT
FSP 0.070	TPS	TL	MCG



World Leader in Rating Technology


2017 Measurements Datasheet

MIZZEN RIG AND SAILS	
N/A	

PROPELLER			
Installation Strut	PRD 0.400		
Type Feathering 3 blades	PBW		
Twin Screw No	PIPA 0.0032		
ST1 0.035	ST3 0.180	ST5 0.300	
ST2 0.180	ST4 0.100	EDL 1.250	

Certificate

Number **LT416**
 ORC Ref **lt00000221**
 Issued On **2017-07-20**
 VPP Ver. **2017 1.00**
 Valid until **2017-12-31**



COMMENTS	
7750	

MOVEABLE BALLAST	
N/A	

CENTERBOARD	
N/A	

SAILS INVENTORY																
MAINSAIL (1)																
Id	MHB	MUW	MTW	MHW	MQW	Area	Measurer	Meas.Date	Manufacture	Material	Comment					
2	0.140	0.92	1.64	2.74	3.62	33.83	V.Stankus	17-06-2015		Unknown						
HEADSAILS (1)																
Id	HHB	HUW	HTW	HHW	HQW	HLP	HLU	Ovrlp	Area	Btn	Fly	Measurer	Meas.Date	Manufacture	Material	Comment
4	0.05	0.64	1.30	2.82	4.47	6.17	14.37	149%	42.21			V.Stankus	17-06-2015		Unknown	
SYMMETRIC SPINNAKERS (1)																
Id	SLU	SLE	SL	SHW	SFL	Area	Measurer	Meas.Date	Manufacture	Material	Comment					
1	14.12	14.12	14.12	7.56	7.68	89.24	V.Stankus	24-05-2011		Unknown						
ASYMMETRIC SPINNAKERS (0)																
Id	SLU	SLE	SL	SHW	SFL	Area	Kind	Measurer	Meas.Date	Manufacture	Material	Comment				



World Leader in Rating Technology

2017

ORC Club Certificate Appendix

BOAT	
Name	NERIJA
Certificate Number	LT416
Sail Nr	LTU 416
Issued On	2017-07-20

TIME ALLOWANCES							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	1171.9	969.8	860.2	783.3	738.5	718.0	704.9
52°	752.7	631.7	559.6	520.7	502.2	494.4	489.0
60°	703.0	592.8	531.0	503.1	487.7	478.8	472.2
75°	662.5	560.0	511.5	489.5	474.2	461.4	444.6
90°	661.8	559.1	509.4	482.7	469.5	457.2	431.1
110°	688.4	564.7	504.6	478.1	457.3	437.3	416.0
120°	708.6	580.9	512.2	482.8	461.9	441.8	405.0
135°	780.0	633.6	544.4	500.3	476.8	457.1	418.6
150°	915.9	721.7	612.0	538.4	499.9	477.9	440.9
Run VMG	1057.6	833.2	705.3	617.2	554.9	511.1	467.4

Selected Courses							
Windward / Leeward	1114.7	901.5	782.8	700.3	646.7	614.5	586.2
Circular Random	926.4	743.0	642.7	582.8	545.1	520.4	490.9
Ocean for PCS	1138.8	874.2	723.1	629.4	568.0	525.3	467.6
Non Spinnaker	976.7	778.6	669.1	603.2	561.5	534.1	501.1

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	44.8°	43.4°	43.3°	43.6°	42.0°	41.4°	40.9°
Beat VMG	3.07	3.71	4.19	4.60	4.87	5.01	5.11
52°	4.78	5.70	6.43	6.91	7.17	7.28	7.36
60°	5.12	6.07	6.78	7.16	7.38	7.52	7.62
75°	5.43	6.43	7.04	7.35	7.59	7.80	8.10
90°	5.44	6.44	7.07	7.46	7.67	7.87	8.35
110°	5.23	6.37	7.13	7.53	7.87	8.23	8.65
120°	5.08	6.20	7.03	7.46	7.79	8.15	8.89
135°	4.62	5.68	6.61	7.20	7.55	7.88	8.60
150°	3.93	4.99	5.88	6.69	7.20	7.53	8.17
Run VMG	3.40	4.32	5.10	5.83	6.49	7.04	7.70
Gybe Angles	146.6°	150.6°	152.9°	155.1°	171.3°	180.0°	180.0°