



World Leader in Rating Technology

2017 ORC Club Certificate

Rating Office

Žemaites 6
LT-03117 Vilnius
Lithuania
+370 650 28392



Certificate

Number **LT420**
Issued On **2017-06-01**
ORC Ref **lt00000133**
VPP Ver. **2017 1.00**
Valid until **2017-12-31**

Crew Weight

Declared **440kg**
Default* **479kg**
Non Manual Pwr **No**

Special Scoring

ToD ToT
Non Spin GPH **695.7 0.8624**
Non Spin OSN **676.5 0.8869**

Sails Limitations

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

Spinnaker configuration

Symmetric: **No**
Asymmetric: **Yes 55.90**
Flying H/S: **No**
Spin. Pole: **No**

Class Division Length

CDL = **7.562**

Stability (Measured)

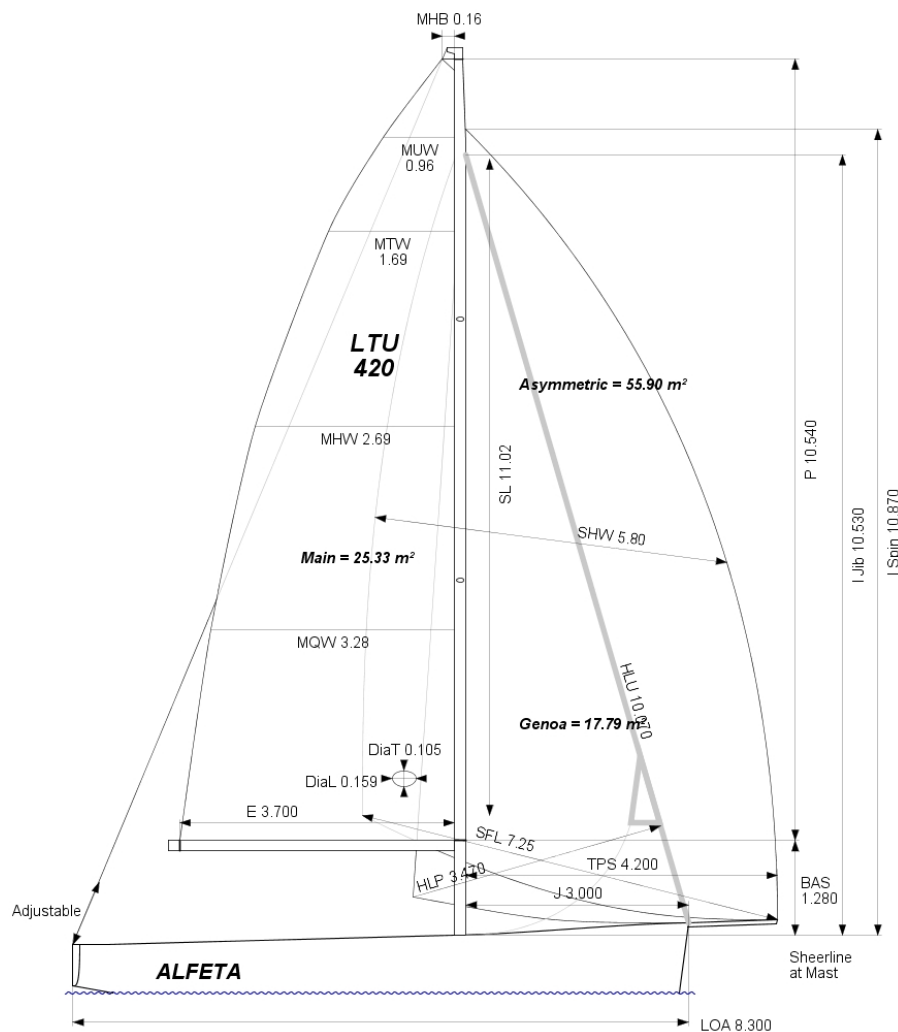
Limit Positive Stab.: **107.0°**
Stability Index: **101.6**

Owner

UAB ALFETA
Nemajunu g. 27, Kaunas

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

Signature



BOAT		GPH		HULL		
Name Alfeta Sail Nr LTU-420		660.2		Data File Alfeta LTU420	LOA 8.300m	
				Offset File RS280.OFF	MB 2.656m	
				Displacement 1,823kg	Draft 1.721m	
				IMS Division Sportboat	Dynamic All. 0.186%	
				Fwd Accom. Yes	Construction Cored	
				Fiber Rigging No	Aramid Core No	
				Crew Arm Ex	Carbon Rudder No	
					Light Stanchions No	
				IMSL 7.950m	VCGD -0.016m	Sink 11.59kg/mm
				RL 7.173m	VCGM -0.006m	WS 15.29m²
				LSM0 7.754m	Displacement/Length ratio 3.9103	
				Water Ballast 0 Trim Tab No		
CLASS		CENTERBOARD				
Class RS 280		N/A				
Designer UAB Plastolitas						
Builder UAB Plastolitas						
Series 06-1998						
Age Date 04-2002						
Age Allowance 0.487%						
COMMENTS						
PROPELLER						
Type No Propeller						
SCORING OPTIONS						
	COASTAL / LONG DISTANCE			WINDWARD / LEEWARD		
Time On Distance	644.6			732.7		
Time On Time	0.9308			0.9212		
Triple Number	Low	Medium	High	Low	Medium	High
Time on Distance	750.7	587.1	521.4	975.0	731.9	649.4
Time on Time	0.8992	1.1498	1.2945	0.6923	0.9222	1.0394

BOAT	
Name Afeta	Sail Nr LTU-420
File Afeta LTU420	Data in meters/kilograms

INCLINING TEST AND FREEBOARDS			
Inclining Test		Current Inclining	
Flotation date	06-07-2011	SG	1.0000
FFM	0.926	FF	0.936
FAM	0.649	FA	0.652
SFFP	0.499	SAFP	7.839
W1	33.5	PD1	248.0
W2	33.5	PD2	249.0
W3	33.5	PD3	248.0
W4	33.5	PD4	250.0
WD	7.510	GSA	50.2
RSA	5407.9	PLM	2500.0
LCF from stem on CL / on sheer	4.468 / 4.608		
Maximum beam station from stem	6.000		
RM Measured	43.8kg·m		
RM Default	47.5kg·m		
Limit of positive stability / Stab.Index	107.0° / 101.6		
Freeboard at mast at 3.000	0.773		

RIG			
Forestay Tension	Aft	Spreaders	2
Inner Stay	None Fitted	Runners	0
Carbon Mast	No	Jumper Struts	None
Taper Hollows	Yes	Jib Furler	Yes
Fiber Rigging	No	Main Furler	No
Lenticular Rigging	No	Without Backstay	No
Articulated Bowsprit	No		
P	10.540	E	3.700
IG	10.530	J	3.000
ISP	10.870	SFJ	0.000
BAS	1.280	SPL	0.000
FSP	0.040	TPS	4.200
MDT1	0.105	MW	0.159
MDL1	0.159	GO	0.169
MDT2	0.105	BD	0.130
MDL2	0.120	MWT	81.00
TL	1.122	MCG	4.480



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2017 Measurements Datasheet

MIZZEN RIG AND SAILS	
N/A	

PROPELLER	
Type No Propeller	

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COMMENTS	

MOVEABLE BALLAST	
N/A	

CENTERBOARD	
N/A	

SAILS INVENTORY																
MAINSAIL (2)																
Id	MHB	MUW	MTW	MHW	MQW	Area	Measurer	Meas.Date	Manufacture	Material	Comment					
M0039	0.160	0.96	1.69	2.69	3.28	25.32	V.Gricius	06-07-2011	NS	Unknown						
M0031	0.150	0.96	1.67	2.68	3.28	25.24	V.Gricius	06-07-2011	NS	Kevlar						
HEADSAILS (2)																
Id	HHB	HUW	HTW	HHW	HQW	HLP	HLU	Ovrlp	Area	Btn	Fly	Measurer	Meas.Date	Manufacture	Material	Comment
J0041						3.47	10.07	116%	17.79					North Sails	Unknown	
J0044						3.48	10.03	116%	17.77					NS	Unknown	
SYMMETRIC SPINNAKERS (0)																
Id	SLU	SLE	SL	SHW	SFL	Area	Measurer	Meas.Date	Manufacture	Material	Comment					
ASYMMETRIC SPINNAKERS (2)																
Id	SLU	SLE	SL	SHW	SFL	Area	Kind	Measurer	Meas.Date	Manufacture	Material	Comment				
G0035	11.98	10.05	11.02	5.80	7.25	55.90	asym		06-04-2012	Ulman	Unknown					
G0046	11.96	9.92	10.94	5.78	6.96	54.85	asym			NS	Unknown					

MEASUREMENT INVENTORY					
Measurer V.Gricius					
Date 06-07-2011					
Comment					
Id	Item	Weight	Distance	VCG Description	
B/N	Anchor	9.0	3.30		
B/N	Chain	6.0	3.60		
B/N	Tools	10.0	3.70		
Id	Item	Weight	Description		

MEASUREMENT INVENTORY				
Id	Item	Weight	Distance	VCG Description
B/N	Battery	10.0	3.20	



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2017

ORC Club Certificate Appendix

BOAT	
Name Alfeta	Certificate Number LT420
Sail Nr LTU-420	Issued On 2017-06-01

TIME ALLOWANCES							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	1137.5	939.9	826.5	788.4	776.4	771.0	769.4
52°	736.2	615.6	563.0	547.0	540.6	537.3	530.3
60°	688.6	585.5	545.9	527.6	519.7	515.0	504.9
75°	649.2	565.1	531.2	501.1	482.1	473.1	466.6
90°	642.6	552.7	518.1	496.2	465.7	439.5	421.8
110°	643.8	551.2	509.0	465.8	442.1	421.4	391.7
120°	665.9	561.9	519.4	476.3	432.1	400.1	363.8
135°	743.9	603.3	544.7	507.1	466.8	426.0	343.3
150°	879.8	698.6	595.9	550.7	521.2	490.6	411.6
Run VMG	1015.9	806.7	688.1	633.7	581.0	543.0	475.3

Selected Courses							
Windward / Leeward	1076.7	873.3	757.3	711.1	678.7	657.0	622.3
Circular Random	903.7	732.2	641.0	588.1	554.8	531.5	497.5
Ocean for PCS	1110.0	860.2	719.8	633.4	575.2	532.1	467.2
Non Spinnaker	970.2	778.1	674.3	613.3	575.2	549.3	513.8

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	43.7°	42.6°	41.5°	39.9°	40.0°	40.0°	40.8°
Beat VMG	3.16	3.83	4.36	4.57	4.64	4.67	4.68
52°	4.89	5.85	6.39	6.58	6.66	6.70	6.79
60°	5.23	6.15	6.59	6.82	6.93	6.99	7.13
75°	5.55	6.37	6.78	7.18	7.47	7.61	7.72
90°	5.60	6.51	6.95	7.26	7.73	8.19	8.54
110°	5.59	6.53	7.07	7.73	8.14	8.54	9.19
120°	5.41	6.41	6.93	7.56	8.33	9.00	9.89
135°	4.84	5.97	6.61	7.10	7.71	8.45	10.49
150°	4.09	5.15	6.04	6.54	6.91	7.34	8.75
Run VMG	3.54	4.46	5.23	5.68	6.20	6.63	7.57
Gybe Angles	144.5°	147.8°	149.3°	151.5°	176.0°	177.8°	141.4°