



World Leader in Rating Technology

2017 ORC Club Certificate

Rating Office

Žemaites 6
LT-03117 Vilnius
Lithuania
+370 650 28392



Certificate

Number **LT1289**
Issued On **2017-07-24**
ORC Ref **lt00000268**
VPP Ver. **2017 1.00**
Valid until **2017-12-31**

Crew Weight

Declared **410kg**
Default* **483kg**
Non Manual Pwr **No**

Special Scoring

ToD ToT
Non Spin GPH **696.0 0.8621**
Non Spin OSN **676.3 0.8872**

Sails Limitations

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

Spinnaker configuration

Symmetric: **No**
Asymmetric: **Yes 55.47**
Flying H/S: **No**
Spin. Pole: **No**

Class Division Length

CDL = **7.619**

Stability (Estimated)

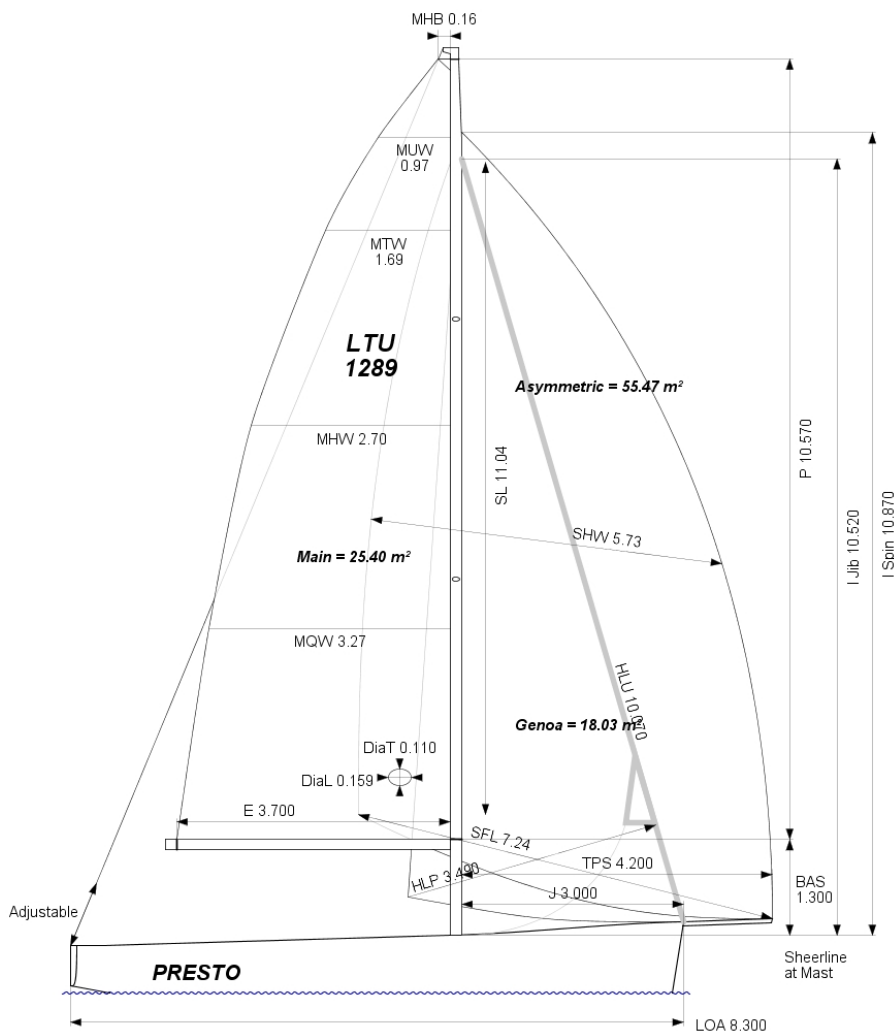
Limit Positive Stab.: **115.3°**
Stability Index: **110.2**

Owner

UAB "Fungerta"
Raguvos g. 5, Kaunas

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

Signature



BOAT Name PRESTO Sail Nr LTU-1289		GPH 660.8	HULL Data File Presto LTU1206 LOA 8.300m Offset File RS280.OFF MB 2.656m Displacement 1,857kg Draft 1.724m				
CLASS Class RS 280 Designer UAB Plastolitas Builder UAB Plastolitas Series 06-1998 Age Date 04-2002 Age Allowance 0.487%		IMS Division Sportboat Dynamic All. 0.185% Fwd Accom. Yes Construction Cored Fiber Rigging No Aramid Core No Crew Arm Ex Carbon Rudder No Light Stanchions No					
COMMENTS 1860		IMSL 7.987m VCGD -0.160m Sink 11.72kg/mm RL 7.251m VCGM -0.152m WS 15.41m² LSM0 7.798m Displacement/Length ratio 3.9162 Water Ballast 0 Trim Tab No					
PROPELLER Type No Propeller		CENTERBOARD N/A					
SCORING OPTIONS							
Time On Distance	COASTAL / LONG DISTANCE			WINDWARD / LEEWARD			
	644.6			731.9			
Time On Time	0.9308			0.9223			
Triple Number	Low	Medium	High	Low	Medium	High	
Time on Distance	752.7	587.4	520.3	977.4	731.6	647.7	
Time on Time	0.8968	1.1491	1.2974	0.6906	0.9226	1.0422	

BOAT	
Name PRESTO	Sail Nr LTU-1289
File Presto LTU1206	Data in meters/kilograms

INCLINING TEST AND FREEBOARDS			
Inclining Test Club Estimated VCG		Flotation date SG 1.0000	
FFM 0.938	FF 0.947	SFFP 0.499	
FAM 0.635	FA 0.638	SAFP 7.839	
LCF from stem on CL / on sheer		4.506 / 4.662	
Maximum beam station from stem		6.000	
RM Measured		49.8kg·m	
RM Default		48.3kg·m	
Limit of positive stability / Stab.Index		115.3° / 110.2	
Freeboard at mast at 3.000		0.774	

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 10.570	E 3.700	MDT1 0.110	MW 0.159
IG 10.520	J 3.000	MDL1 0.159	GO 0.169
ISP 10.870	SFJ 0.000	MDT2 0.110	BD 0.130
BAS 1.300	SPL 0.000	MDL2 0.120	MWT 80.50
FSP 0.048	TPS 4.200	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	
1860	

MOVEABLE BALLAST	
N/A	

CENTERBOARD	
N/A	

SAILS INVENTORY																
MANSAL (1)																
Id	MHB	MUW	MTW	MHW	MQW	Area	Measurer	Meas.Date	Manufacture	Material	Comment					
M0038	0.160	0.97	1.69	2.70	3.27	25.40	V.Gricius	24-07-2014	North Sail	Unknown						
HEADSAILS (2)																
Id	HHB	HUW	HTW	HHW	HQW	HLP	HLU	Ovrlp	Area	Btn	Fly	Measurer	Meas.Date	Manufacture	Material	Comment
J0050	0.10					3.49	10.07	116%	18.03	Y				AGB	Unknown	
J0047	0.10					3.48	10.04	116%	17.92	Y				North Sail	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				
G0043	11.95	10.12	11.04	5.73	7.24	55.47	asym	V. Gricius	24-07-2014	Narwal	Unknown					
G0052	11.97	9.92	10.95	5.84	7.04	55.45	asym			AGB	Unknown					

MEASUREMENT INVENTORY					
Measurer Vytautas Gricius					
Date 12-07-2015					
Comment					
Id	Item	Weight	Distance	VCG Description	
B/N	Anchor	40.0	3.20		
B/N	Chain	2.0	3.20		
B/N	Tools	2.0	3.40		
Id	Item	Weight	Description		

MEASUREMENT INVENTORY				
Id	Item	Weight	Distance	VCG Description
B/N	Battery	15.0	2.80	
B/N	Misc	4.0	3.40	Fire-extinguisher



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2017

ORC Club Certificate Appendix

BOAT	
Name	PRESTO
Sail Nr	LTU-1289
Certificate Number	LT1289
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TIME ALLOWANCES							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	1140.2	941.1	826.0	784.2	770.6	764.5	762.0
52°	738.3	616.7	563.6	545.8	538.7	535.0	527.7
60°	690.9	587.0	546.7	526.6	517.7	512.4	503.2
75°	651.9	566.8	532.4	502.3	480.4	470.2	462.3
90°	644.1	554.1	517.0	497.5	468.0	439.7	417.3
110°	645.8	552.8	511.2	467.7	440.6	420.4	389.2
120°	668.0	563.8	521.4	479.1	435.8	398.9	362.1
135°	746.2	605.9	546.5	509.4	469.8	429.8	348.8
150°	882.4	701.0	598.5	552.6	523.3	493.7	416.9
Run VMG	1018.9	809.5	691.0	636.0	582.6	544.3	481.4

Selected Courses							
Windward / Leeward	1079.5	875.3	758.5	710.1	676.6	654.4	621.7
Circular Random	905.7	733.4	641.6	588.1	554.3	530.5	496.4
Ocean for PCS	1112.2	861.4	720.3	633.2	574.5	531.1	466.0
Non Spinnaker	971.5	778.9	674.5	613.1	574.5	548.2	512.0

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	43.6°	42.6°	41.4°	39.7°	39.7°	39.6°	40.6°
Beat VMG	3.16	3.83	4.36	4.59	4.67	4.71	4.72
52°	4.88	5.84	6.39	6.60	6.68	6.73	6.82
60°	5.21	6.13	6.58	6.84	6.95	7.03	7.15
75°	5.52	6.35	6.76	7.17	7.49	7.66	7.79
90°	5.59	6.50	6.96	7.24	7.69	8.19	8.63
110°	5.57	6.51	7.04	7.70	8.17	8.56	9.25
120°	5.39	6.39	6.90	7.51	8.26	9.02	9.94
135°	4.82	5.94	6.59	7.07	7.66	8.38	10.32
150°	4.08	5.14	6.02	6.51	6.88	7.29	8.63
Run VMG	3.53	4.45	5.21	5.66	6.18	6.61	7.48
Gybe Angles	144.5°	147.9°	149.2°	151.4°	176.0°	177.8°	141.5°