



World Leader in Rating Technology

2014 ORC Club Certificate

Rating Office

EYU
Regati 1
Tallinn, 11911
Estonia

Certificate

Number **EST299**
Issued On **10.08.2014**
ORC Ref **EST00000420**
VPP Ver. **2014 1.01**
Valid until **31.12.2014**

Crew Weight

Declared **850 kg**
Default* **827 kg**
Non Manual Pwr **No**

Special Scoring

	ToD	ToT
Double H.GPH	588,2	1,0201
Double H.OSN	576,2	1,0413
Non Spin GPH	610,5	0,9828
Non Spin OSN	594,5	1,0092
N/S Perf. Line	79,0	0,824

Sails Limitations

Genoas **0** Spinnakers **4**
Jibs **5**

Spinnaker configuration
Symmetric: **Yes 122,26**
Asymmetric: **No**
Flying H/S: **No**
Spin. Pole: **Yes**

Stability

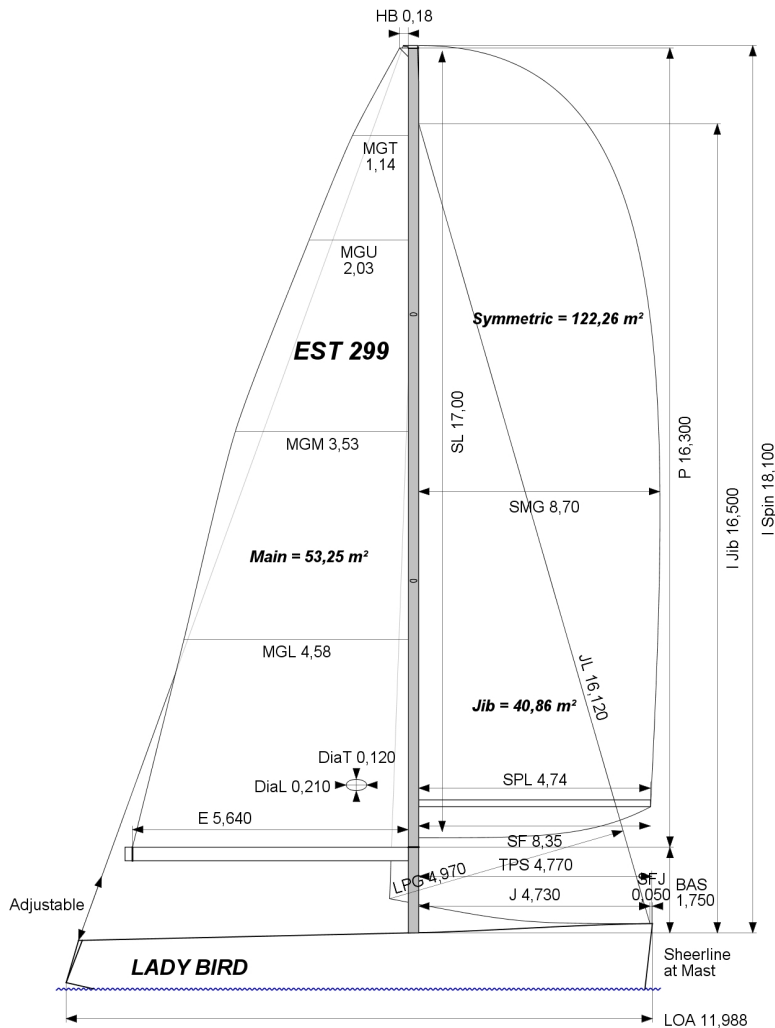
LPS (Measured): **103,3°**
Stability Index: **103,6**
OSR Category: **N/A**

Owner

ACTON YACHTS Ltd
Kalevi pst. 72
Pärnu, Estonia
Pärnu JK

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

Signature



BOAT		GPH		HULL			
Name LADY BIRD Sail Nr EST 299		578,3		Data File Est0299.dxt	LOA 11,988 m		
				Offset File EST299SD.off	MB 3,924 m		
				Displacement 6 437 kg	Draft 2,132 m		
CLASS				IMS Division Cruiser/Racer	Dynamic All.	0,029%	
Class AKTON 395				Fwd Accom. Yes	Construction	Cored	
Designer LUTRADESIGN				Fiber Rigging No	Aramid Core	No	
Builder ACTON YACHTS Ltd				Crew Arm Ex	Carbon Rudder	No	
Series 08.2001				Light Stanchions			
Age Date 08.2001				IMS L 11,443	Wetted Area	29,85 m²	
Age Allowance 0,422%				VCGM 0,248			
COMMENTS				CENTERBOARD			
				N/A			
PROPELLER							
Installation Strut		PRD	0,410				
Type Folding		PBW	0,111				
		PIPA	0,0031				
SCORING OPTIONS							
	OFFSHORE COASTAL / LONG DISTANCE			INSHORE WINDWARD / LEEWARD			
Time On Distance	564,2			632,2			
Time On Time	1,0635			1,0677			
Performance Line	PLT	PLD		PLT	PLD		
	0,933	115,9		0,942	227,8		
Triple Number	Low	Medium	High	Low	Medium	High	
	1,0240	1,3152	1,4718	0,7848	1,0603	1,2255	



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ORC Club Certificate Appendix

BOAT	
Name	LADY BIRD
Certificate Number	EST299
Sail Nr	EST 299
Issued On	10.08.2014

TIME ALLOWANCES							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	967,9	802,6	718,0	680,7	661,2	650,4	652,3
52°	628,3	527,1	482,9	468,9	462,0	458,1	454,4
60°	589,1	499,9	466,2	454,2	447,8	444,1	439,5
75°	557,5	481,6	453,5	437,1	426,1	419,5	414,1
90°	562,0	481,7	454,6	435,3	416,6	400,8	385,7
110°	580,2	483,1	447,1	427,0	413,0	398,8	379,3
120°	600,3	494,4	453,5	426,5	400,3	386,0	365,0
135°	672,6	544,0	477,5	448,3	423,5	396,4	344,8
150°	804,9	641,1	540,8	480,2	450,3	426,4	375,8
Run VMG	929,4	740,3	624,4	546,6	491,1	457,4	409,4
Selected Courses							
Windward / Leeward	948,7	771,5	671,2	613,6	576,1	553,9	530,8
Circular Random	793,5	641,9	561,2	514,7	486,1	467,3	443,4
Ocean for PCS	845,9	670,5	573,2	513,8	474,4	445,5	402,9
Non Spinnaker	852,9	683,4	591,5	537,5	503,8	481,7	454,2

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°	42,5°	41,8°	40,3°	39,3°	38,8°	39,7°
Beat VMG	3,72	4,49	5,01	5,29	5,44	5,53	5,52
52°	5,73	6,83	7,46	7,68	7,79	7,86	7,92
60°	6,11	7,20	7,72	7,93	8,04	8,11	8,19
75°	6,46	7,47	7,94	8,24	8,45	8,58	8,69
90°	6,41	7,47	7,92	8,27	8,64	8,98	9,33
110°	6,20	7,45	8,05	8,43	8,72	9,03	9,49
120°	6,00	7,28	7,94	8,44	8,99	9,33	9,86
135°	5,35	6,62	7,54	8,03	8,50	9,08	10,44
150°	4,47	5,62	6,66	7,50	7,99	8,44	9,58
Run VMG	3,87	4,86	5,77	6,59	7,33	7,87	8,79
Gybe Angles	141,0°	146,7°	150,4°	158,3°	173,8°	178,3°	177,3°