



World Leader in Rating Technology

2016 ORC Club Certificate

Rating Office

**PATRICIO D. GUTIERREZ
C. GRIERSON Y
COSTANERASUR
Y.C.A**



Certificate

Number **462101**
Issued On **10/03/2016**
ORC Ref **ARG00002115**
VPP Ver. **2016 1.01**
Valid until **31/12/2016**

Crew Weight

Declared	589kg
Default*	589kg
Non Manual Pwr	No

Special Scoring

	ToD	ToT
Non Spin GPH	695,6	0,8626
Non Spin OSN	674,6	0,8894
N/S Perf. Line	17,9	0,573

Sails Limitations

Headsails **6** Spinnakers **3**

Spinnaker configuration

Symmetric: **Yes** **61,36**
Asymmetric: **Yes** **66,14**
Flying H/S: **No**
Spin. Pole: **Yes**

Class Division Length

CDL = **8,166**

Stability

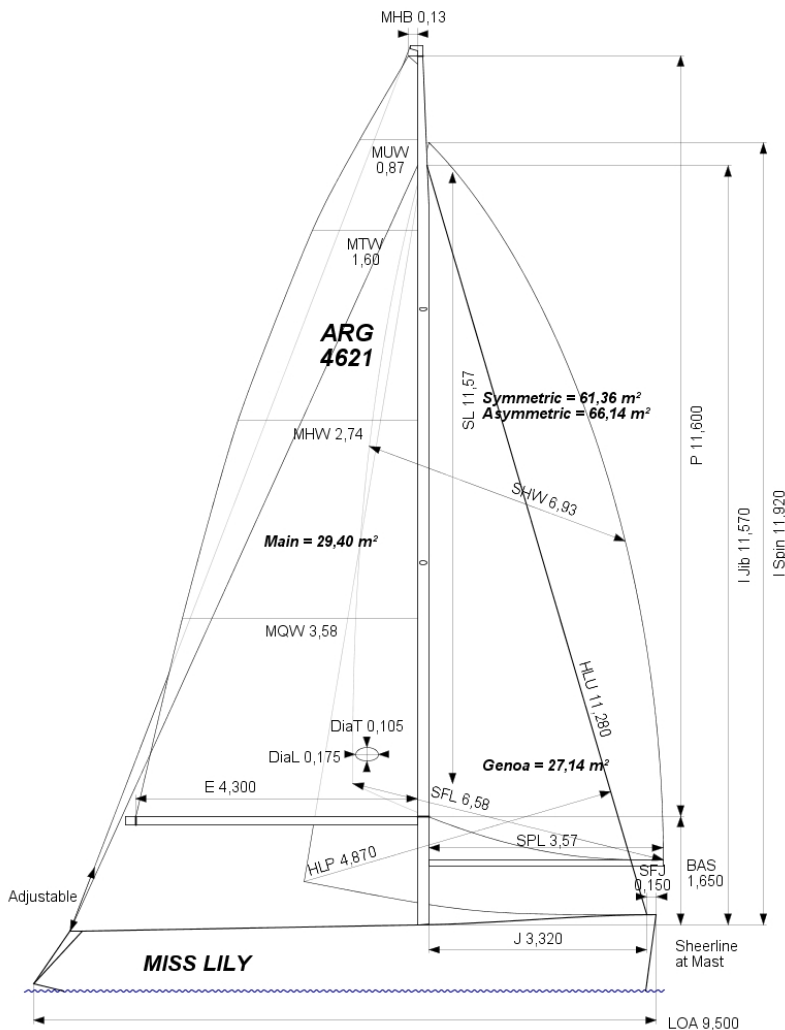
LPS (Estimated): **121,3°**
Stability Index: **120,9**
OSR Category: **N/A**

Owner

**RODOLFO CERUTTI
AV
CABA**

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

Signature



BOAT		GPH	HULL	
Name	MISS LILY	668,3	Data File	MISSLILY.dxt
Sail Nr	ARG-4621		Offset File	AMAD2.OFF
CLASS			Displacement	4.331kg
Class	PANDORA31		LOA	9,500m
Designer	GERMAN FRERS		MB	3,294m
Builder	AST.MARCO		Draft	1,666m
Series	12/1994		IMS Division	Cruiser/Racer
Age Date	01/1996		Fwd Accom.	Yes
Age Allowance	0,487%		Fiber Rigging	No
COMMENTS			Crew Arm Ex	No
PROPELLER			Dynamic All.	
Installation	Strut	PRD 0,385	0,246%	
Type	Folding 2 blades	PBW 0,110	Construction	
		PIPA 0,0030	Solid	
SCORING OPTIONS			Aramid Core	
			No	
			Carbon Rudder	
			No	
			Light Stanchions	
			No	
			IMSL	8,998m
			VCGD	-0,513m
			Sink	15,16kg/mm
			RL	7,332m
			VCGM	-0,066m
			WS	19,82m²
			LSM0	8,967m
			Displacement/Length ratio	6,0068
			Water Ballast	0
			Trim Tab	No
			CENTERBOARD	
			N/A	
			COASTAL / LONG DISTANCE	
			650,1	
			WINDWARD / LEEWARD	
			724,8	
			0,9230	
			0,9314	
			PLT	0,623
			PLD	35,9
			PLT	0,764
			PLD	185,8
			Low	0,8773
			Medium	1,1409
			High	1,2904
			Low	0,6746
			Medium	0,9223
			High	1,0787



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ORC Club Certificate Appendix

BOAT

Name **MISS LILY**
Sail Nr **ARG-4621**

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TIME ALLOWANCES

Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	1144,2	953,4	847,3	779,8	748,2	732,4	724,7
52°	741,4	624,5	561,5	533,5	521,1	515,1	510,7
60°	696,1	588,3	540,7	519,0	506,4	499,4	493,8
75°	658,7	562,7	525,7	506,5	490,9	477,5	462,3
90°	661,7	563,7	520,3	498,4	488,3	473,4	444,6
110°	673,6	561,0	519,1	494,7	470,4	448,3	427,1
120°	697,3	577,1	526,3	501,0	477,7	453,1	410,0
135°	774,3	635,7	552,5	517,8	494,9	472,0	425,9
150°	920,6	729,0	617,7	548,2	517,1	495,6	452,2
Run VMG	1063,0	841,7	711,8	621,7	560,9	525,1	482,5

Selected Courses

Windward / Leeward	1103,6	897,6	779,6	700,7	654,6	628,8	603,6
Circular Random	923,0	744,7	648,5	592,0	556,9	533,8	504,8
Ocean for PCS	1135,4	876,1	729,3	639,1	580,3	539,0	481,1
Non Spinnaker	971,5	779,0	674,2	612,2	573,6	548,2	516,9

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	44,1°	42,6°	42,9°	41,6°	40,1°	39,3°	39,6°
Beat VMG	3,15	3,78	4,25	4,62	4,81	4,92	4,97
52°	4,86	5,76	6,41	6,75	6,91	6,99	7,05
60°	5,17	6,12	6,66	6,94	7,11	7,21	7,29
75°	5,47	6,40	6,85	7,11	7,33	7,54	7,79
90°	5,44	6,39	6,92	7,22	7,37	7,61	8,10
110°	5,34	6,42	6,94	7,28	7,65	8,03	8,43
120°	5,16	6,24	6,84	7,19	7,54	7,95	8,78
135°	4,65	5,66	6,52	6,95	7,27	7,63	8,45
150°	3,91	4,94	5,83	6,57	6,96	7,26	7,96
Run VMG	3,39	4,28	5,06	5,79	6,42	6,86	7,46
Gybe Angles	146,6°	151,5°	152,1°	158,8°	180,0°	180,0°	180,0°