



World Leader in Rating Technology

2016 ORC Club Certificate

Rating Office

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



Certificate

Number **NAUT02**
Issued On **10/03/2016**
ORC Ref **ARG00002116**
VPP Ver. **2016 1.01**
Valid until **31/12/2016**

Crew Weight

Declared **1.257kg**
Default* **1.257kg**
Non Manual Pwr **No**

Special Scoring

ToD ToT
Non Spin GPH **549,5** **1,0919**
Non Spin OSN **537,4** **1,1164**
N/S Perf. Line **-21,4** **0,655**

Sails Limitations

Headsails **7** Spinnakers **4**
Dacron Sails

Spinnaker configuration
Symmetric: **Yes** **187,07**
Asymmetric: **Yes** **163,27**
Flying H/S: **No**
Spin. Pole: **Yes**

Class Division Length

CDL = **13,600**

Stability

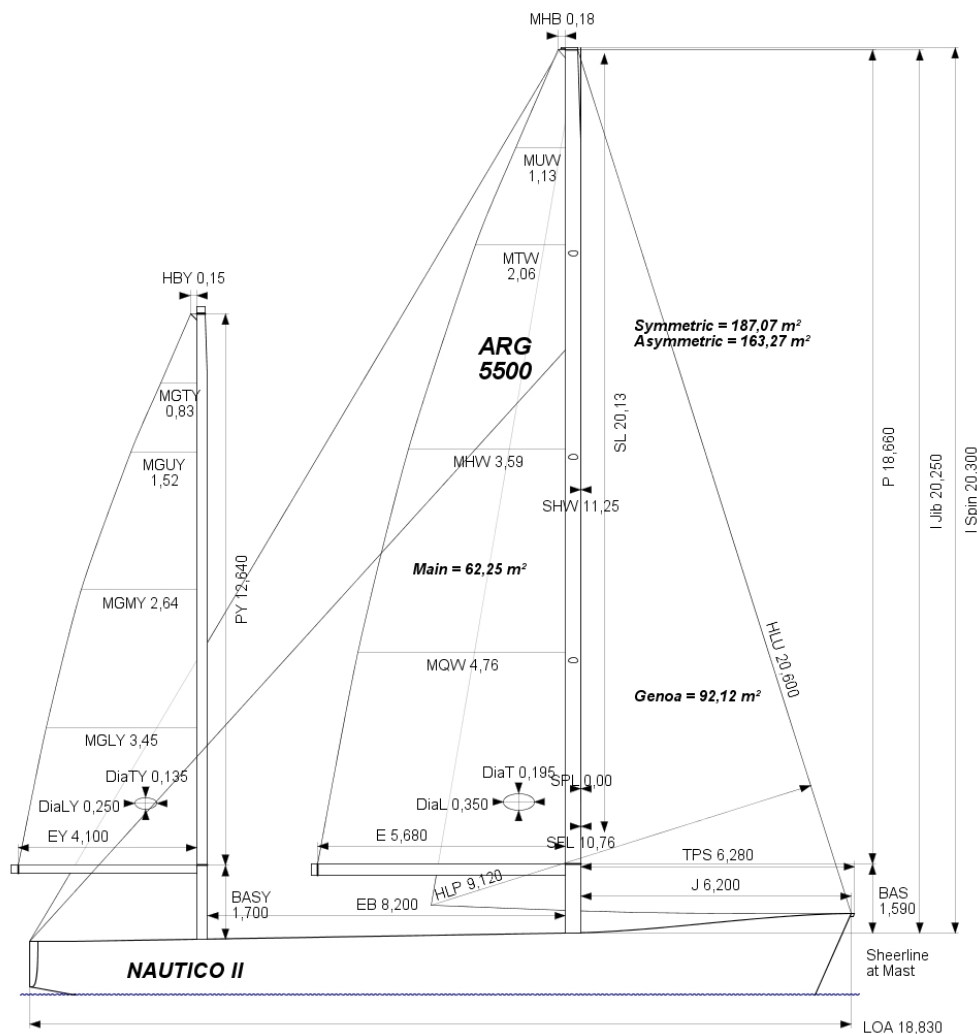
LPS (Estimated): **120,8°**
Stability Index: **133,1**
OSR Category: **N/A**

Owner

CLUB NAUTICO SAN ISIDRO

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

Signature



BOAT		GPH	HULL	
Name	NAUTICO II	530,1	Data File	ARG5500.dxt
Sail Nr	ARG-5500		LOA	18,830m
CLASS			Offset File	1216-2.OFF
Class	FRERS 60		Displacement	19.498kg
Designer	G. FRERS		Dynamic All.	0,060%
Builder	E. ANZOLA		Fwd Accom.	Yes
Series	06/2010		Fiber Rigging	No
Age Date	06/2010		Crew Arm Ex	No
Age Allowance	0,195%		Carbon Rudder	No
COMMENTS			Light Stanchions	
CAMBIA QUILLOTE.			IMSL	15,651m
PROPELLER			VCGD	-0,020m
Installation	Shaft exposed	PRD	Sink	42,06kg/mm
Type	Feathering 3 blades	PBW	RL	11,547m
		PIPA	VCGM	-0,057m
			WS	54,27m²
			LSM0	15,254m
			Displacement/Length ratio	5,4934
			Water Ballast	0
			Trim Tab	No
			CENTERBOARD	
			ECM	1,580
			CBDA	0,950
			CBRC	0,714
			KCDA	0,000
			WCBB	0,714
			WCBA	130,0
			CBDB	0,714
			CBTC	0,714

SCORING OPTIONS		OFFSHORE COASTAL / LONG DISTANCE			INSHORE WINDWARD / LEEWARD		
Time On Distance		515,1			585,9		
Time On Time		1,1648			1,1521		
Performance Line		PLT	PLD		PLT	PLD	
		0,712	-5,5		0,844	125,2	
Triple Number		Low	Medium	High	Low	Medium	High
		1,0685	1,4551	1,6849	0,8093	1,1397	1,3680



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ORC Club Certificate Appendix

BOAT

Name **NAUTICO II**
Sail Nr **ARG-5500**

Certificate Number **NAUT02**
Issued On **10/03/2016**

TIME ALLOWANCES

Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	985,5	796,8	687,5	621,4	585,4	565,4	547,6
52°	624,2	511,0	442,4	406,9	392,9	385,8	379,4
60°	576,1	475,3	416,1	390,0	378,7	372,7	366,7
75°	535,6	444,5	398,6	378,3	365,1	355,0	348,0
90°	532,3	442,2	394,0	371,3	355,1	341,6	330,5
110°	539,2	440,9	391,3	369,6	354,3	344,4	324,5
120°	560,3	452,8	398,4	374,8	356,7	340,1	318,5
135°	626,1	503,1	429,7	392,5	372,8	356,0	321,3
150°	749,3	596,5	502,6	439,8	401,6	380,5	350,0
Run VMG	865,2	688,8	580,3	507,8	461,5	430,9	389,8

Selected Courses

Windward / Leeward	925,3	742,8	633,9	564,6	523,5	498,2	468,7
Circular Random	750,7	597,6	513,1	462,6	430,9	410,2	385,1
Ocean for PCS	931,2	708,5	580,5	501,0	449,1	413,6	367,3
Non Spinnaker	780,9	620,8	532,0	478,2	443,9	421,1	393,1

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	46,2°	44,9°	44,6°	43,8°	42,1°	41,4°	40,3°
Beat VMG	3,65	4,52	5,24	5,79	6,15	6,37	6,57
52°	5,77	7,05	8,14	8,85	9,16	9,33	9,49
60°	6,25	7,57	8,65	9,23	9,51	9,66	9,82
75°	6,72	8,10	9,03	9,52	9,86	10,14	10,34
90°	6,76	8,14	9,14	9,70	10,14	10,54	10,89
110°	6,68	8,16	9,20	9,74	10,16	10,45	11,09
120°	6,42	7,95	9,04	9,61	10,09	10,59	11,30
135°	5,75	7,16	8,38	9,17	9,66	10,11	11,21
150°	4,80	6,03	7,16	8,19	8,96	9,46	10,29
Run VMG	4,16	5,23	6,20	7,09	7,80	8,35	9,24
Gybe Angles	142,0°	141,5°	144,9°	148,6°	152,9°	157,7°	170,8°