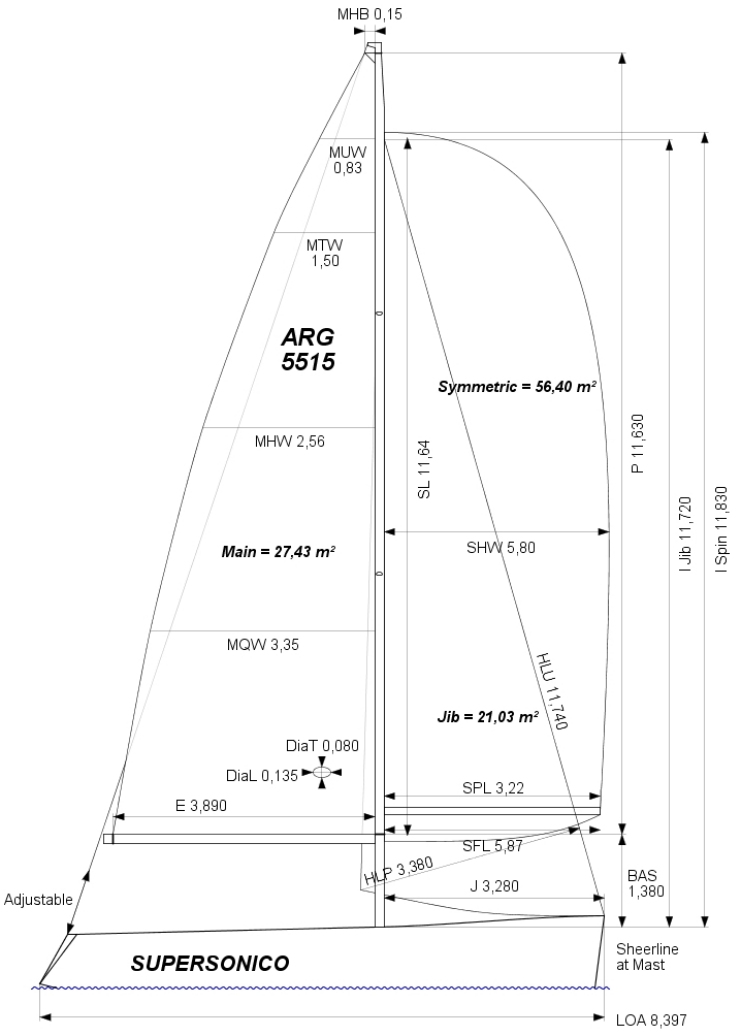

ORC

World Leader in Rating Technology

2016 ORC Club Certificate

Rating Office

PATRICIO D. GUTIERREZ C. GRIERSON Y COSTANERA SUR Y.C.A

Certificate

Number **551501**
Issued On **15/01/2016**
ORC Ref **ARG00001518**
VPP Ver. **2016 1.00**
Valid until **31/12/2016**

Crew Weight

Declared	**420kg**
Default*	**505kg**
Non Manual Pwr	**No**

Special Scoring

	ToD	ToT
Non Spin GPH	**693,6**	**0,8651**
Non Spin OSN	**673,7**	**0,8906**
N/S Perf. Line	**118,5**	**0,786**

Sails Limitations

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

Spinnaker configuration

Symmetric:	**Yes**	**56,40**
Asymmetric:	**No**	
Flying H/S:	**No**	
Spin. Pole:	**Yes**	

Class Division Length

CDL = **7,827**

Stability

LPS (Estimated):	**122,2°**
Stability Index:	**122,3**
OSR Category:	**N/A**

Owner

MARIO BARRA

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

Signature

BOAT

Name **SUPERSONICO**
Sail Nr **ARG-5515**

GPH

665,3

CLASS

Class	**GR 28**
Designer	**G. RODRIGUEZ**
Builder	**Ast. NOVATECNIA**
Series	**05/2008**
Age Date	**05/2008**
Age Allowance	**0,260%**

COMMENTS

HULL

Data File	**SUPERSO.dxt**	LOA	**8,397m**
Offset File	**arg5515.off**	MB	**2,722m**
Displacement	**2.791kg**	Draft	**1,760m**
IMS Division	**Cruiser/Racer**	Dynamic All.	**0,115%**
Fwd Accom.	**No**	Construction	**Solid**
Fiber Rigging	**No**	Aramid Core	**No**
Crew Arm Ex		Carbon Rudder	**No**
		Light Stanchions	

IMSL	**8,118m**	VCGD	**-0,069m**	Sink	**12,37kg/mm**
RL	**7,536m**	VCGM	**-0,112m**	WS	**16,71m²**
LSM0	**8,046m**	Displacement/Length ratio			**5,3582**

Water Ballast **0** Trim Tab **No**

PROPELLER

Type **No Propeller**

CENTERBOARD

N/A

SCORING OPTIONS

	OFFSHORE COASTAL / LONG DISTANCE			INSHORE WINDWARD / LEEWARD		
Time On Distance	**648,2**			**718,8**		
Time On Time	**0,9257**			**0,9391**		
	PLT		PLD	PLT		PLD
Performance Line	**0,972**		**201,1**	**0,875**		**263,4**
	Low	Medium	High	Low	Medium	High
Triple Number	**0,8976**	**1,1388**	**1,2708**	**0,6970**	**0,9367**	**1,0709**

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2016
ORC Club Certificate Appendix

BOAT			
Name	**SUPERSONICO**	Certificate Number	**551501**
Sail Nr	**ARG-5515**	Issued On	**15/01/2016**

TIME ALLOWANCES							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	**1095,1**	**917,3**	**812,4**	**769,2**	**749,8**	**739,5**	**727,7**
52°	**721,6**	**610,1**	**563,7**	**546,7**	**539,5**	**535,6**	**527,5**
60°	**681,2**	**585,0**	**549,6**	**532,7**	**524,5**	**519,9**	**512,5**
75°	**648,0**	**568,3**	**538,7**	**518,0**	**501,6**	**492,0**	**484,8**
90°	**653,0**	**567,7**	**534,2**	**518,9**	**497,8**	**477,6**	**454,7**
110°	**665,2**	**566,3**	**530,5**	**500,7**	**478,5**	**465,1**	**444,0**
120°	**687,9**	**577,4**	**537,4**	**508,7**	**478,5**	**450,1**	**422,7**
135°	**761,1**	**623,8**	**559,5**	**529,0**	**501,3**	**472,3**	**414,8**
150°	**896,0**	**715,8**	**610,3**	**556,2**	**528,1**	**502,0**	**448,5**
Run VMG	**1034,6**	**826,7**	**700,6**	**619,9**	**564,5**	**534,5**	**483,7**
Selected Courses							
Windward / Leeward	**1064,9**	**872,0**	**756,5**	**694,6**	**657,2**	**637,0**	**605,7**
Circular Random	**905,7**	**736,1**	**646,2**	**594,5**	**562,5**	**541,0**	**511,6**
Ocean for PCS	**909,8**	**731,6**	**635,3**	**578,4**	**541,8**	**515,6**	**476,5**
Non Spinnaker	**956,9**	**772,0**	**672,8**	**615,3**	**579,8**	**556,2**	**524,6**

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	**42,3°**	**41,3°**	**40,3°**	**38,4°**	**37,4°**	**36,9°**	**37,2°**
Beat VMG	**3,29**	**3,92**	**4,43**	**4,68**	**4,80**	**4,87**	**4,95**
52°	**4,99**	**5,90**	**6,39**	**6,58**	**6,67**	**6,72**	**6,83**
60°	**5,28**	**6,15**	**6,55**	**6,76**	**6,86**	**6,92**	**7,02**
75°	**5,56**	**6,33**	**6,68**	**6,95**	**7,18**	**7,32**	**7,43**
90°	**5,51**	**6,34**	**6,74**	**6,94**	**7,23**	**7,54**	**7,92**
110°	**5,41**	**6,36**	**6,79**	**7,19**	**7,52**	**7,74**	**8,11**
120°	**5,23**	**6,23**	**6,70**	**7,08**	**7,52**	**8,00**	**8,52**
135°	**4,73**	**5,77**	**6,43**	**6,80**	**7,18**	**7,62**	**8,68**
150°	**4,02**	**5,03**	**5,90**	**6,47**	**6,82**	**7,17**	**8,03**
Run VMG	**3,48**	**4,35**	**5,14**	**5,81**	**6,38**	**6,73**	**7,44**
Gybe Angles	**146,1°**	**150,9°**	**153,2°**	**167,2°**	**180,0°**	**180,0°**	**180,0°**