

BOAT Name BIG MATCH Sail Nr ARG-4185	GPH 570,5	HULL Length Overall 12,640m Maximum Beam 3,556m Displacement 5.838kg Draft 1,960m IMS Reg. Division Cruiser/Racer Dynamic Allowance 0,083% Fwd Accommodation Yes Hull Construction Cored Carbon Rudder Yes Crew Arm Extension IMSL 11,510m VCGD -0,061m Sink 21,59kg/mm RL 9,830m VCGM -0,093m WS 28,61m² LSM0 11,126m Displacement/Length ratio 4,2388
GENERAL Class MATCH 42 Designer GERMAN FRERS Builder AST. SPEEDCRAFT Series 06/1995 Age 06/1995 Age Allowance 0,487% Offset File ARG4185.OFF - 02/09/2011 01:12:02 Measurement by JC MACULAN - 26/05/2016		



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2016
ORC International
Certificate

Rating Office
PATRICIO D. GUTIERREZ
C. GRIERSON Y
COSTANERASUR
Y.C.A



	OFFSHORE			INSHORE		
	COASTAL / LONG DISTANCE			WINDWARD / LEEWARD		
Time On Distance	555,1			625,7		
Time On Time	1,0808			1,0787		
Performance Line	PLT	PLD		PLT	PLD	
	0,707	20,9		0,903	197,7	
Triple Number	Low	Medium	High	Low	Medium	High
	1,0196	1,3404	1,5304	0,7787	1,0732	1,2518

TIME ALLOWANCES							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	1005,6	822,8	718,7	673,5	651,2	638,0	621,1
52°	644,4	531,7	476,1	458,6	450,5	445,9	437,1
60°	598,9	498,6	458,5	443,0	435,0	429,9	420,9
75°	559,8	475,5	444,9	425,3	409,9	401,0	392,5
90°	560,2	475,1	444,5	422,9	400,7	381,8	362,1
110°	584,1	477,3	437,9	414,3	397,9	382,0	354,1
120°	600,4	487,0	443,8	413,7	385,1	368,2	338,8
135°	667,1	532,7	465,0	434,5	405,9	376,0	314,1
150°	792,2	627,3	525,1	467,0	437,3	411,3	356,0
Run VMG	914,7	724,3	606,3	533,5	488,5	453,2	403,6

Selected Courses							
Windward / Leeward	960,2	773,5	662,5	603,5	569,9	545,6	512,4
Circular Random	793,6	637,4	553,1	503,6	472,2	450,4	419,8
Ocean for PCS	978,5	751,4	622,8	543,6	491,4	454,2	400,6
Non Spinnaker	852,3	679,2	584,3	527,7	491,7	467,2	434,4

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	44,9°	43,8°	43,2°	41,3°	40,5°	39,9°	39,3°
Beat VMG	3,58	4,38	5,01	5,35	5,53	5,64	5,80
52°	5,59	6,77	7,56	7,85	7,99	8,07	8,24
60°	6,01	7,22	7,85	8,13	8,28	8,37	8,55
75°	6,43	7,57	8,09	8,46	8,78	8,98	9,17
90°	6,43	7,58	8,10	8,51	8,98	9,43	9,94
110°	6,16	7,54	8,22	8,69	9,05	9,43	10,17
120°	6,00	7,39	8,11	8,70	9,35	9,78	10,63
135°	5,40	6,76	7,74	8,29	8,87	9,57	11,46
150°	4,54	5,74	6,86	7,71	8,23	8,75	10,11
Run VMG	3,94	4,97	5,94	6,75	7,37	7,94	8,92
Gybe Angles	142,1°	146,3°	148,2°	154,7°	164,6°	180,0°	180,0°

Certificate
Number **418503**
ORC Ref **ARG00002844**
Issued On **02/08/2016**
VPP Ver. **2016 1.01**
Valid until **31/12/2016**

Crew Weight

Declared	830kg
Default*	801kg
Non Manual Pwr	No

Special Scoring

	ToD	ToT
Non Spin GPH	603,4	0,9944
Non Spin OSN	588,2	1,0200
N/S Perf. Line	-10,1	0,616

Sails Limitations

Headsails	7
Spinnakers	4

Class Division Length
CDL = 10,671

Storm Sails Areas

Heavy Weather Jib	32,56
Storm Jib (JL=10,09)	12,06
Storm Trysail	13,70

Owner
MARCELO RUIZ PARRA
CAMACUA 405 2°D
OLIVOS

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

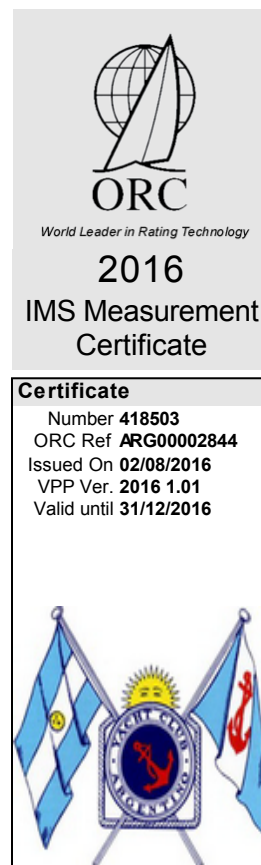
Signature

CENTERBOARD	
	N/A

HEADSAILS												
Area = 0.1125·HLU · (1.445·HLP + 2·HQW + 2·HHW + 1.5·HTW + HUW + 0.5·HHB)												
HHB	HUW	HTW	HHW	HQW	HLP	HLU	Area	Btn	Fly	Meas.Date	Material	Comment
0,07	0,75	1,43	2,65	3,78	4,94	15,73	40,57			11/02/2016	Kevlar	NUEVO
0,07	0,68	1,30	2,54	3,76	4,93	15,73	39,62			09/01/2012	Kevlar	NUEVO
0,07	0,63	1,22	2,41	3,61	4,85	14,25	34,54	Y		11/02/2016	Kevlar	

MEASUREMENT INVENTORY				
Measurer JCM JCM				
Date 26/05/2016				
Comment				
<i>Id</i>	<i>Item</i>	<i>Weight</i>	<i>Distance</i>	<i>VCG Description</i>
<i>Id</i>	<i>Item</i>	<i>Maker</i>		<i>Model</i>
C5	Engine	YANMAR		27 HP
<i>Id</i>	<i>Item</i>	<i>Weight Description</i>		

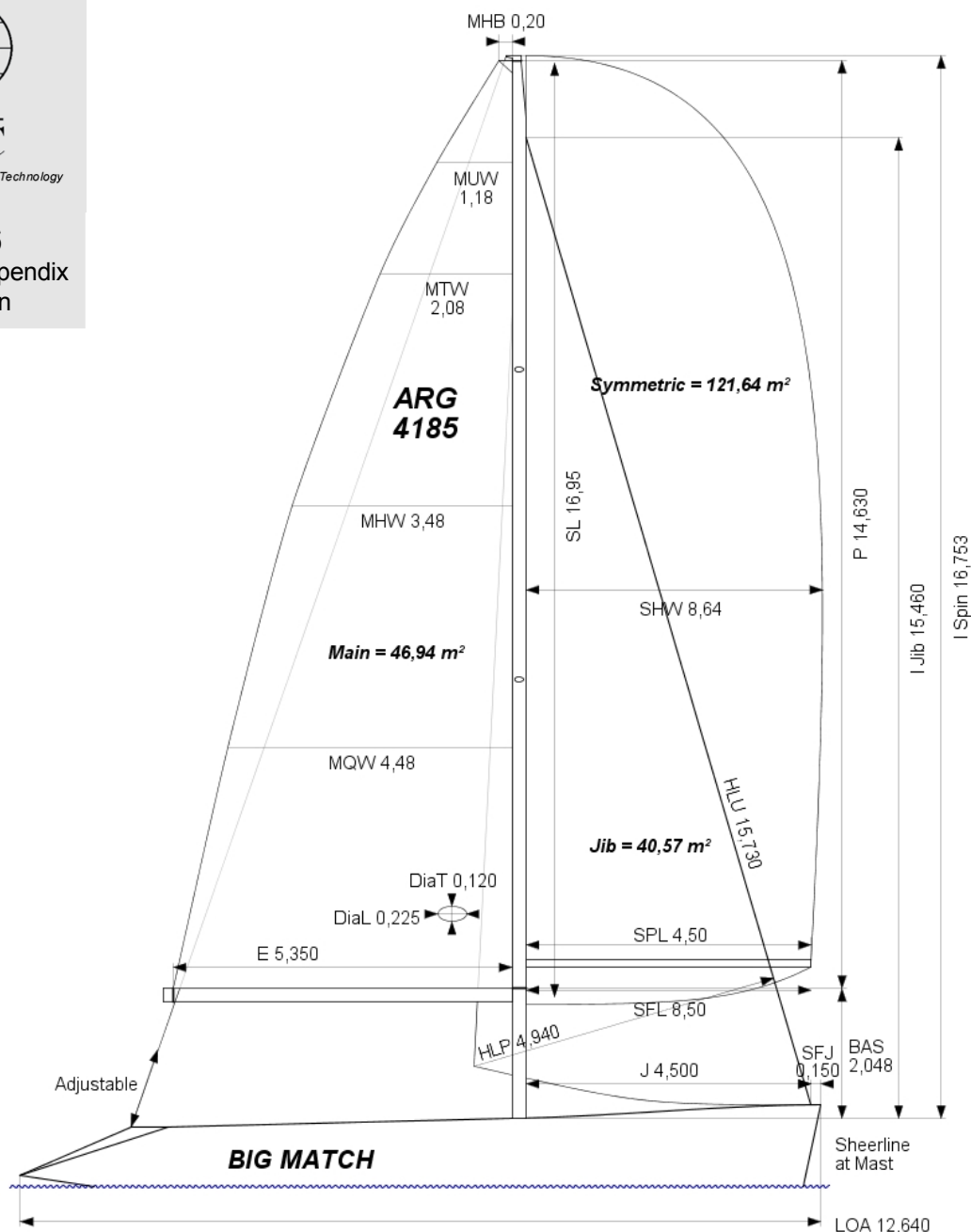
MEASUREMENT INVENTORY								
<i>Id</i>	<i>Item</i>	<i>Tank Use</i>	<i>Tank Type</i>	<i>Capcty</i>	<i>Dist.</i>	<i>VCG</i>	<i>Condtn</i>	<i>Description</i>
B6	Tank	AGUA	INOX	100,0	6,55	0,00	0;0	
E4	Tank	AGUA	PVC	100,0	6,55	0,00	0;0	
B4	Tank	AGUA	PVC	100,0	7,00	0,00	0;0	
E6	Tank	GAS OIL	INOX	100,0	8,90	0,00	15;0	
<i>Id</i>	<i>Item</i>	<i>Weight</i>	<i>Distance</i>	<i>VCG Description</i>				
E5	Battery	18,0	7,00	0,00 12 V X 110 AMP				
C5	Battery	18,0	7,00	0,00 12 V X 110 AMP				





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SAILS INVENTORY

MAINSAIL

Id	MHB	MUW	MTW	MHW	MQW	Area	Measurer	Meas.Date	Manufacture	Material	Comment
M4	0,200	1,18	2,08	3,48	4,48	46,94		02/08/2016	NORTH	Kevlar	

HEADSAILS

Id	HHB	HUW	HTW	HHW	HQW	HLP	HLU	Ovrlp	Area	Btn	Fly	Measurer	Meas.Date	Manufacture	Material	Comment
G1LM	0,07	0,75	1,43	2,65	3,78	4,94	15,73	110%	40,57				11/02/2016	NORTH	Kevlar	NUEVO
G1MH	0,07	0,68	1,30	2,54	3,76	4,93	15,73	110%	39,62				09/01/2012	NORTH	Kevlar	NUEVO
G3	0,07	0,63	1,22	2,41	3,61	4,85	14,25	108%	34,54	Y			11/02/2016	NORTH	Kevlar	

SYMMETRIC SPINNAKERS

Id	SLU	SLE	SL	SHW	SFL	Area	Measurer	Meas.Date	Manufacture	Material	Comment
S3 MD	16,95	16,95	16,95	8,64	8,50	121,64		11/02/2016	NORTH	Nylon	NUEVO
S3	16,95	16,95	16,95	8,64	8,50	121,64		28/07/2016	NORTH	Nylon	NUEVO
S2	16,43	16,43	16,43	8,56	8,40	116,76	PG	11/01/2013	NORTH	Nylon	Nuevo
S3	15,48	15,48	15,48	7,46	7,30	95,82		05/07/2011	ZAOLI	Nylon	

ASYMMETRIC SPINNAKERS

Id	SLU	SLE	SL	SHW	SFL	Area	Kind	Measurer	Meas.Date	Manufacture	Material	Comment
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