

BOAT	GPH	HULL
Name CALIFA 3 Sail Nr ARG-3773	552,5	Length Overall 13,510m Maximum Beam 4,138m Displacement 6.950kg Draft 2,413m IMS Reg. Division Performance Dynamic Allowance 0,000% Fwd Accommodation No Hull Construction Light Carbon Rudder No Crew Arm Extension
GENERAL		IMSL 11,383m VCGD -0,197m Sink 24,90kg/mm RL 10,575m VCGM -0,150m WS 32,94m² LSM0 11,023m Displacement/Length ratio 5,1890
Class FARR 44 Designer BRUCE FARR Builder AST. DEL ESTUARIO Series 12/1991 Age 12/1991 Age Allowance 0,487% Offset File CALIFA3.OFF - 02/01/1997 12:54:10 Measurement by JC MACULAN - 09/09/2016		



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2017
ORC International
Certificate

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



SCORING OPTIONS						
	COASTAL / LONG DISTANCE			WINDWARD / LEEWARD		
Time On Distance	538,8			606,9		
Time On Time	1,1137			1,1122		
Triple Number	Low	Medium	High	Low	Medium	High
Time on Distance	633,1	490,0	432,9	827,2	610,9	528,0
Time on Time	1,0661	1,3776	1,5591	0,8160	1,1050	1,2783

TIME ALLOWANCES							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	932,0	766,7	682,9	649,3	632,9	619,9	610,4
52°	602,7	501,3	461,2	448,9	442,6	438,8	428,9
60°	563,7	476,5	446,4	434,0	426,8	422,2	410,7
75°	530,9	460,5	433,1	413,7	401,8	394,7	387,7
90°	531,4	460,0	431,8	408,7	388,0	373,3	360,3
110°	563,2	466,5	429,4	401,0	385,2	370,0	346,7
120°	582,4	476,9	436,4	406,6	377,7	357,2	331,8
135°	651,0	522,7	459,1	429,2	401,6	374,9	319,8
150°	776,9	617,5	519,1	461,5	432,1	406,4	357,0
Run VMG	897,1	713,0	599,4	527,6	481,5	446,2	397,0

Selected Courses							
Windward / Leeward	914,5	739,8	641,2	588,5	557,2	533,0	503,7
Circular Random	761,6	614,8	536,2	490,3	461,4	441,6	414,6
Ocean for PCS	940,8	725,4	603,9	529,3	480,0	444,8	394,7
Non Spinnaker	806,2	646,7	560,2	509,0	476,6	454,6	425,2

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	44,0°	43,1°	41,7°	40,5°	39,9°	39,1°	39,0°
Beat VMG	3,86	4,70	5,27	5,54	5,69	5,81	5,90
52°	5,97	7,18	7,81	8,02	8,13	8,20	8,39
60°	6,39	7,55	8,07	8,30	8,44	8,53	8,77
75°	6,78	7,82	8,31	8,70	8,96	9,12	9,28
90°	6,77	7,83	8,34	8,81	9,28	9,64	9,99
110°	6,39	7,72	8,38	8,98	9,35	9,73	10,38
120°	6,18	7,55	8,25	8,85	9,53	10,08	10,85
135°	5,53	6,89	7,84	8,39	8,96	9,60	11,26
150°	4,63	5,83	6,94	7,80	8,33	8,86	10,08
Run VMG	4,01	5,05	6,01	6,82	7,48	8,07	9,07
Gybe Angles	141,9°	146,0°	148,8°	155,2°	167,0°	180,0°	180,0°

Certificate
Number **377306**
ORC Ref **ARG00004035**
Issued On **12/01/2017**
VPP Ver. **2017 1.00**
Valid until **31/12/2017**

Crew Weight

Declared	824kg
Default*	791kg
Non Manual Pwr	No

Special Scoring

	ToD	ToT
Non Spin GPH	577,8	1,0384
Non Spin OSN	564,5	1,0628

Sails Limitations

Headsails	Spinnakers
6	3

Class Division Length
CDL = 10,980

Storm Sails Areas

Heavy Weather Jib	37,20
Storm Jib (JL=10,79)	13,78
Storm Trysail	18,95

Owner
FERRES / LACOUR
CARRANZA 2386
CABA

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

Signature

COMMENTS	

INCLINING TEST AND FREEBOARDS					
Inclining Test Boom Inclining					
Flotation date 09/09/2016			SG 1,0000		
FFM	1,480	FF	1,485	SFFP	0,560
FAM	1,187	FA	1,198	SAFP	11,800
W1	132,3	PD1	521,7	WD	12,200
W2	132,3	PD2	517,9	GSA	1,0
W3	132,3	PD3	516,6	RSA	1,0
W4	132,3	PD4	523,7	PLM	9000,0
LCF from stem on CL / on sheer				7,466 / 7,736	
Maximum beam station from stem				7,880	
RM Measured				244,3kg·m	
RM Default				230,6kg·m	
Limit of positive stability / Stab.Index				122,9° / 121,6	
Freeboard at mast at 5,320				1,290	

PROPELLER					
Installation	Strut		PRD	0,430	
Type	Folding 2 blades		PBW	0,115	
Twin Screw	No		PIPA	0,0041	
ST1	0,065	ST3	0,180	ST5	0,320
ST2	0,180	ST4	0,110	EDL	0,740

MOVEABLE BALLAST
N/A

CENTERBOARD	
	N/A

SAILS (Maximum Areas)								
Mainsail	MHB	MUW	MTW	MHW	MQW	Area	Area (r)	Formula
	1,075	1,81	2,60	3,98	5,17	66,62	68,12	$P/8 \cdot (E + 2 \cdot MQW + 2 \cdot MHW + 1.5 \cdot MTW + MUW + 0.5 \cdot MHB)$
Symmetric	SLU	SLE	SL	SHW	SFL			
	16,84	16,84	16,84	9,45	9,30	132,19		$SL \cdot (SFL + 4 \cdot SHW) / 6$
Asymmetric								
Not Available								

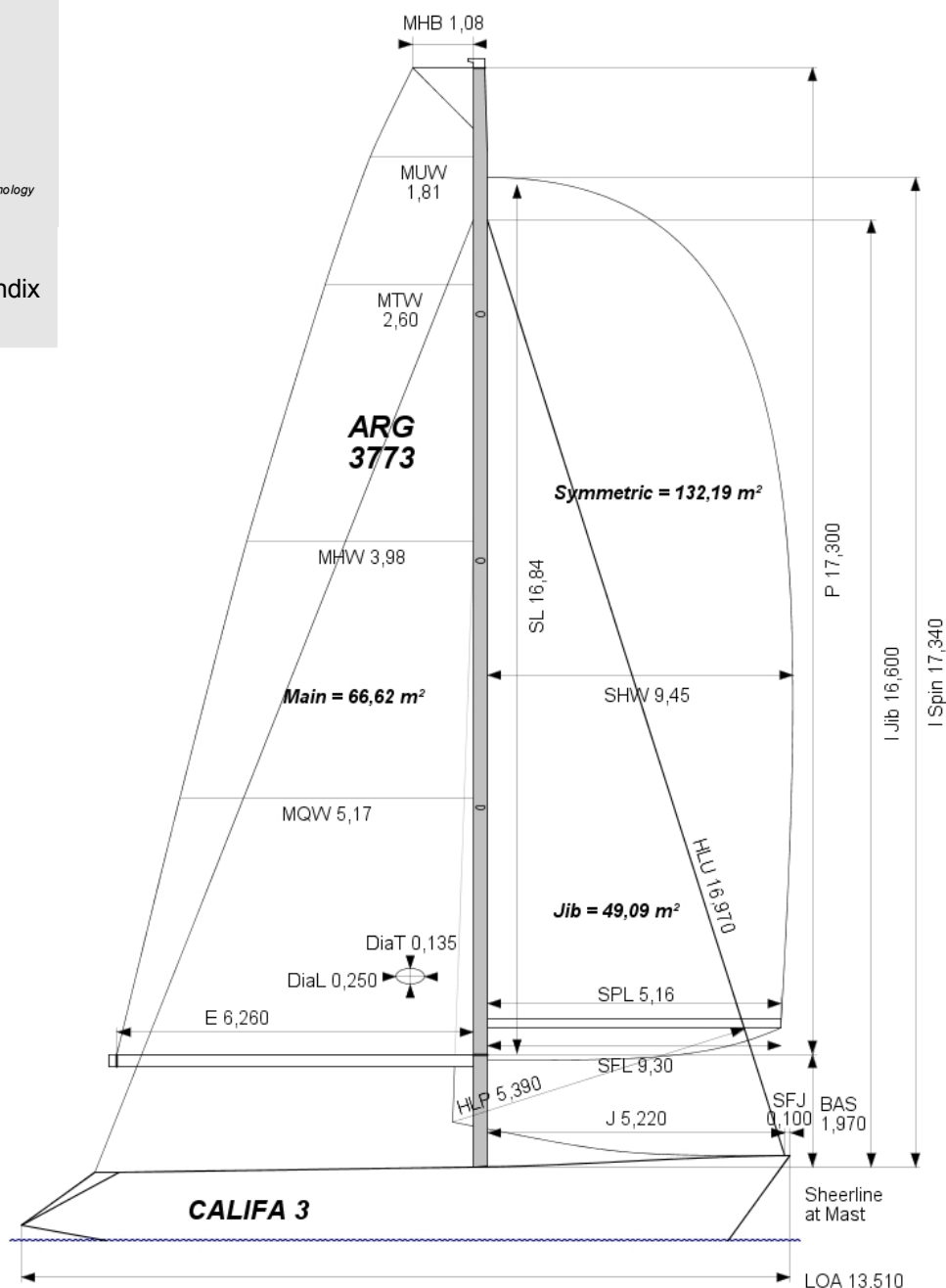
HEADSAILS												
Area = 0.1125·HLU · (1.445·HLP + 2·HQW + 2·HHW + 1.5·HTW + HUW + 0.5·HHB)												
HHB	HUW	HTW	HHW	HQW	HLP	HLU	Area	Btn	Fly	Meas.Date	Material	Comment
0,08	0,84	1,66	3,04	4,24	5,39	16,97	49,10	Y		09/11/2016	Kevlar	
0,10	0,82	1,55	2,92	4,17	5,40	16,66	47,19	Y		09/09/2016	Kevlar	

[illegible]



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2017 Certificate Appendix Sail Plan



SAILS INVENTORY

MAINSAIL (1)

Id	MHB	MUW	MTW	MHW	MQW	Area	Measurer	Meas.Date	Manufacture	Material	Comment
M2	1,075	1,81	2,60	3,98	5,17	66,62	JCM	09/09/2016	NORTH	Kevlar	

HEADSAILS (2)

Id	HHB	HUW	HTW	HHW	HQW	HLP	HLU	Ovrlp	Area	Btn	Fly	Measurer	Meas.Date	Manufacture	Material	Comment
G1LM	0,08	0,84	1,66	3,04	4,24	5,39	16,97	103%	49,10	Y		JCM	09/11/2016	NORTH	Kevlar	
G1MH	0,10	0,82	1,55	2,92	4,17	5,40	16,66	103%	47,19	Y		JCM	09/09/2016	NORTH	Kevlar	

SYMMETRIC SPINNAKERS (1)

Id	SLU	SLE	SL	SHW	SFL	Area	Measurer	Meas.Date	Manufacture	Material	Comment
S2	16,84	16,84	16,84	9,45	9,30	132,19	JCM	09/09/2016	NORTH	Nylon	* Copied from legacy *

ASYMMETRIC SPINNAKERS (0)

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