

BOAT	GPH	HULL
Name CALIFA 3 Sail Nr ARG-3773	551,7	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 -0,198m Sink 24,90kg/mm
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		RL 10,705m VCGM -0,151m WS 32,94m²
		LSM0 11,023m Displacement/Length ratio 5,1890



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2016
ORC International
Certificate

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



SCORING OPTIONS						
	OFFSHORE COASTAL / LONG DISTANCE			INSHORE WINDWARD / LEEWARD		
Time On Distance	537,6			605,2		
Time On Time	1,1160			1,1153		
Performance Line	PLT	PLD		PLT	PLD	
	0,742	28,3		0,966	216,7	
Triple Number	Low	Medium	High	Low	Medium	High
	1,0642	1,3808	1,5686	0,8138	1,1078	1,2874

TIME ALLOWANCES							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	937,8	770,2	681,9	645,4	626,7	612,5	601,9
52°	604,8	502,2	459,9	446,8	439,8	435,9	425,3
60°	564,7	476,5	445,1	431,8	424,1	419,2	407,5
75°	530,9	459,7	431,9	411,9	399,3	391,9	385,0
90°	531,4	459,9	431,7	408,4	387,3	371,9	358,2
110°	563,3	466,5	429,3	400,1	383,4	368,3	345,7
120°	582,5	476,9	436,4	406,5	377,3	355,2	329,6
135°	651,1	522,7	459,1	429,1	401,5	374,8	319,7
150°	776,9	617,3	519,0	461,4	432,0	406,4	357,1
Run VMG	897,0	712,8	599,3	527,5	481,4	446,2	396,9

Selected Courses							
Windward / Leeward	917,4	741,5	640,6	586,5	554,1	529,4	499,4
Circular Random	762,2	614,6	535,3	488,8	459,4	439,2	411,7
Ocean for PCS	941,8	725,3	603,0	527,6	477,9	442,4	392,2
Non Spinnaker	806,8	646,5	559,3	507,6	474,7	452,2	422,2

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	44,2°	43,3°	42,3°	40,4°	39,4°	38,5°	38,6°
Beat VMG	3,84	4,67	5,28	5,58	5,74	5,88	5,98
52°	5,95	7,17	7,83	8,06	8,19	8,26	8,46
60°	6,37	7,56	8,09	8,34	8,49	8,59	8,83
75°	6,78	7,83	8,34	8,74	9,02	9,19	9,35
90°	6,77	7,83	8,34	8,81	9,30	9,68	10,05
110°	6,39	7,72	8,39	9,00	9,39	9,78	10,41
120°	6,18	7,55	8,25	8,86	9,54	10,13	10,92
135°	5,53	6,89	7,84	8,39	8,97	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°	167,2°	180,0°	180,0°

Certificate
Number **377306**
ORC Ref **ARG00003445**
Issued On **12/11/2016**
VPP Ver. **2016 1.01**
Valid until **31/12/2016**

Crew Weight

Declared	913kg
Default*	791kg
Non Manual Pwr	No

Special Scoring

	ToD	ToT
Non Spin GPH	577,0	1,0399
Non Spin OSN	563,5	1,0648
N/S Perf. Line	2,4	0,663

Sails Limitations

Headsails	7
Spinnakers	4

Class Division Length
CDL = **11,045**

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

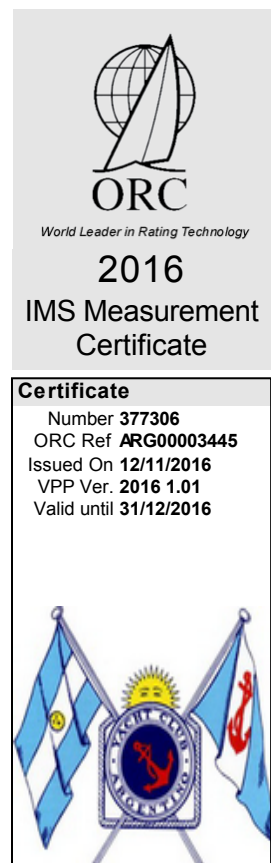
I certify that I understand my responsibilities under ORC Rules and Regulations

Signature

BOAT Name CALIFA3 Sail Nr ARG-3773 File ARG3773.dxt Data in meters/kilograms				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 SAFFP 11,800 W1 132,25 PD1 521,7 WD 12,200 W2 132,25 PD2 517,9 GSA 1,0 W3 132,25 PD3 516,6 RSA 1,0 W4 132,25 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 244,4kg·m RM Default 230,6kg·m Limit of positive stability / Stab.Index 123,0° / 121,6 Freeboard at mast at 5,320 1,290			
RIG Forestay Tension Aft Spreaders 3 Inner Stay None Fitted Runners 1 Carbon Mast Yes Jumper Struts None Taper Hollows No Jib Furler No Fiber Rigging No Main Furler No Lenticular Rigging No Without Backstay Yes Articulated Bowsprit No P 17,300 E 6,260 MDT1 0,135 MW 0,250 IG 16,600 J 5,220 MDL1 0,250 GO 0,250 ISP 17,340 SFJ 0,100 MDT2 0,120 BD 0,220 BAS 1,970 SPL 5,160 MDL2 0,210 MWT 281,00 FSP 0,070 TPS TL 1,500 MCG 6,060				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			
MIZZEN RIG AND SAILS N/A				MOVEABLE BALLAST N/A			
COMMENTS 				CENTERBOARD N/A			

SAILS (Maximum Areas) <table> <tr> <th>Mainsail</th> <th>MHB</th> <th>MUW</th> <th>MTW</th> <th>MHW</th> <th>MQW</th> <th>Area</th> <th>Area (r)</th> <th>Formula</th> </tr> <tr> <td></td> <td>1,075</td> <td>1,81</td> <td>2,60</td> <td>3,98</td> <td>5,17</td> <td>66,62</td> <td>68,12</td> <td>$P/8 \cdot (E + 2 \cdot MQW + 2 \cdot MHW + 1.5 \cdot MTW + MUW + 0.5 \cdot MHB)$</td> </tr> <tr> <th>Symmetric</th> <th>SLU</th> <th>SLE</th> <th>SL</th> <th>SHW</th> <th>SFL</th> <th></th> <th></th> <th></th> </tr> <tr> <td></td> <td>16,84</td> <td>16,84</td> <td>16,84</td> <td>9,45</td> <td>9,30</td> <td>132,19</td> <td></td> <td>$SL \cdot (SFL + 4 \cdot SHW) / 6$</td> </tr> <tr> <th>Asymmetric</th> <th colspan="8"></th> </tr> <tr> <td>Not Available</td> <td colspan="8"></td> </tr> </table>										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								
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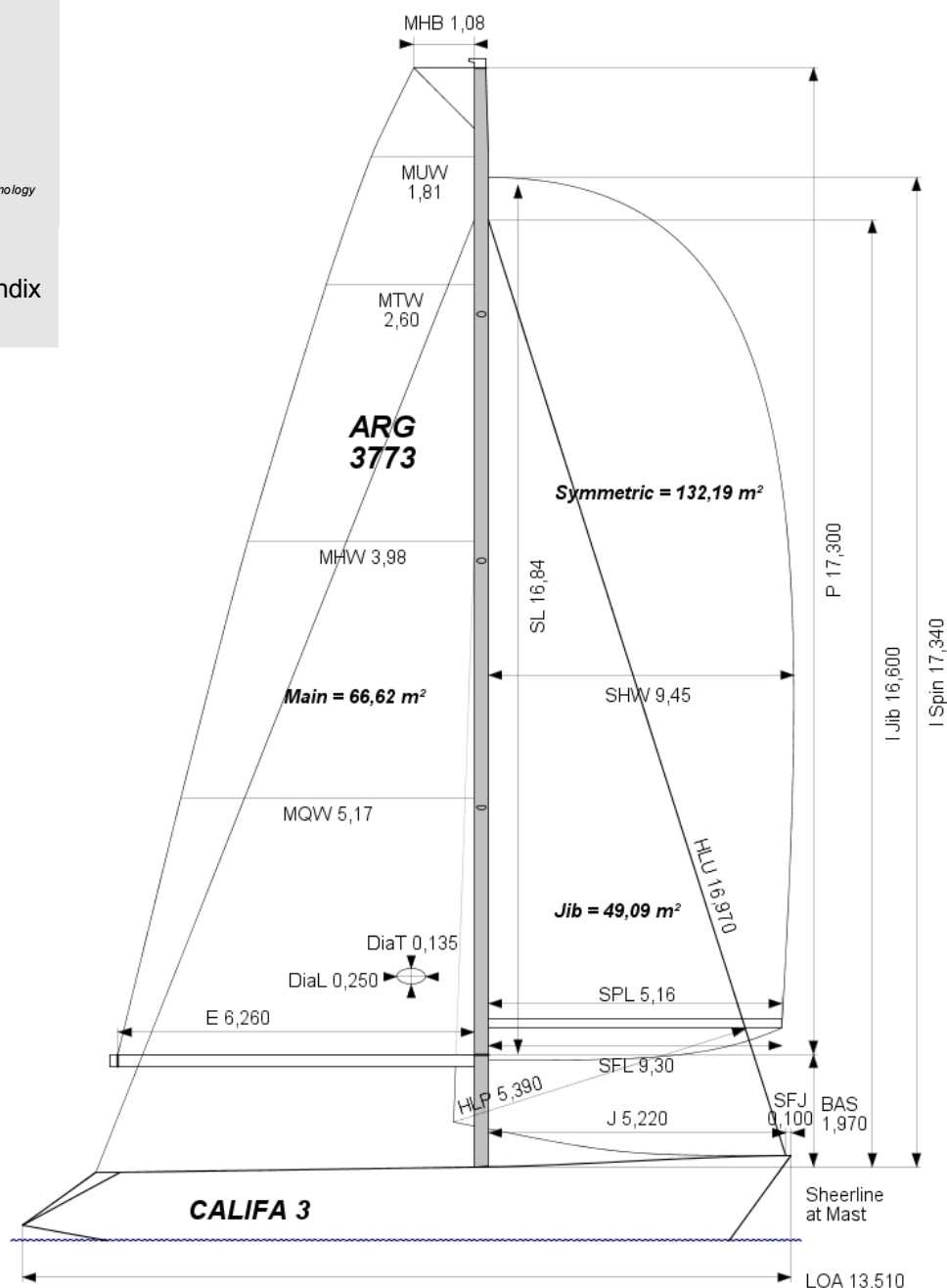
MEASUREMENT INVENTORY Measurer JC MACULAN JCM Date 09/09/2016 Comment					MEASUREMENT INVENTORY <table> <tr> <th>Id</th> <th>Item</th> <th>Tank Use</th> <th>Tank Type</th> <th>Capcty</th> <th>Dist.</th> <th>VCG</th> <th>Condtn</th> <th>Description</th> </tr> <tr> <td>B4</td> <td>Tank</td> <td>GAS OIL</td> <td>RIGIDO</td> <td>96,0</td> <td>10,40</td> <td>0,00</td> <td>45,0</td> <td></td> </tr> <tr> <td>E5</td> <td>Tank</td> <td>AGUA</td> <td>FLEX</td> <td>60,0</td> <td>8,30</td> <td>0,00</td> <td>0,0</td> <td></td> </tr> </table>					Id	Item	Tank Use	Tank Type	Capcty	Dist.	VCG	Condtn	Description	B4	Tank	GAS OIL	RIGIDO	96,0	10,40	0,00	45,0		E5	Tank	AGUA	FLEX	60,0	8,30	0,00	0,0				
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2016 Certificate Appendix Sail Plan



SAILS INVENTORY

MAINSAIL

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

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

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

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