

BOAT Name CALEXICO Sail Nr GRE-3323	GPH 636,6	HULL Length Overall 10,045m Maximum Beam 3,306m Displacement 4.220kg Draft 2,158m IMS Reg. Division Cruiser/Racer Dynamic Allowance 0,034% Wind Accommodation Yes Hull Construction Cored Carbon Rudder No Crew Arm Extension
GENERAL Class X-332 Designer N. JEPPESEN Builder X-YACHTS Series 10/1994 Age 10/2001 Age Allowance 0,488% Offset File X332S.OFF - 19/4/2002 18:44:00 Measurement by SFAKIANAKI/ASSIMAC - 10/06/2002		IMSL 9,128m VCGD -0,119m Sink 16,74kg/mm RL 8,832m VCGM -0,094m WS 21,89m²



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SCORING OPTIONS						
	OFFSHORE COASTAL / LONG DISTANCE			INSHORE WINDWARD / LEEWARD		
	PLT	PLD		PLT	PLD	
Time On Distance	618,3			683,7		
Time On Time	0,9704			0,9873		
Performance Line	0,845	115,1		0,807	184,3	
Triple Number	Low 0,9225	Medium 1,1968	High 1,3520	Low 0,7116	Medium 0,9808	High 1,1453

Rating Office
Hellenic Sailing Federation
Offshore Committee
Επιτροπή
Ανοικτής Θαλάσσης
Ελληνικής
Ιστιοπλοϊκής Ομοσπονδίας



TIME ALLOWANCES							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	1037,1	863,2	759,2	710,5	688,0	675,8	669,8
52°	683,0	575,8	527,3	508,3	500,1	495,5	491,2
60°	645,4	551,6	514,6	496,5	486,6	480,9	476,3
75°	616,3	536,4	505,9	485,5	468,3	456,2	447,1
90°	624,1	541,2	505,6	485,0	468,8	449,9	423,6
110°	657,5	548,0	506,9	480,5	453,5	430,5	410,4
120°	683,6	565,2	515,3	488,9	464,3	439,3	396,4
135°	769,1	628,1	547,1	510,2	485,8	461,2	413,5
150°	917,3	723,5	611,4	542,8	508,9	485,2	438,1
Run VMG	1059,2	834,8	701,6	608,0	545,6	511,1	464,3

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Selected Courses							
Windward / Leeward	1048,2	849,0	730,4	659,3	616,8	593,5	567,0
Circular Random	877,8	708,7	617,7	564,4	531,3	509,3	482,2
Ocean for PCS	934,6	739,7	631,3	565,3	522,0	491,2	447,1
Non Spinnaker	919,4	738,0	639,5	581,4	545,1	521,1	491,3

Crew Weight
Declared **600kg**
Default* **602kg**
Non Manual Pwr **No**

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	42,5°	41,2°	40,2°	38,1°	36,9°	36,1°	36,1°
Beat VMG	3,47	4,17	4,74	5,07	5,23	5,33	5,38
52°	5,27	6,25	6,83	7,08	7,20	7,27	7,33
60°	5,58	6,53	7,00	7,25	7,40	7,49	7,56
75°	5,84	6,71	7,12	7,41	7,69	7,89	8,05
90°	5,77	6,65	7,12	7,42	7,68	8,00	8,50
110°	5,48	6,57	7,10	7,49	7,94	8,36	8,77
120°	5,27	6,37	6,99	7,36	7,75	8,20	9,08
135°	4,68	5,73	6,58	7,06	7,41	7,81	8,71
150°	3,92	4,98	5,89	6,63	7,07	7,42	8,22
Run VMG	3,40	4,31	5,13	5,92	6,60	7,04	7,75
Gybe Angles	145,5°	152,0°	158,5°	170,9°	176,7°	179,1°	179,0°

Special Scoring
ToD ToT
Non Spin GPH **659,7 0,9095**
Non Spin OSN **638,9 0,9390**
N/S Perf. Line **92,6 0,782**

Sails Limitations
Headsails **6** | Spinnakers **3**

Class Division Length
CDL = **8,981**

Storm Sails Areas
Heavy Weather Jib **23,54**
Storm Jib (JL=8,58) **8,72**
Storm Triesail **10,47**

Owner

BOAT	
Name CALEXICO	Sail Nr GRE-3323
File GR3323.dxt	Data in meters/kilograms

INCLINING TEST AND FREEBOARDS		
Inclining Test Current Inclining		
Flotation date 10/05/2006	SG 1,0270	
FFM 1,218	FF 1,211	SFFP 0,513
FAM 0,974	FA 0,985	SAFP 9,198
W1 84,000	PD1 269,0	WD 10,040
W2 84,000	PD2 269,0	GSA 28,0
W3 84,000	PD3 269,0	RSA 5675,0
W4 84,000	PD4 269,0	PLM 2070,0
LCF from stem on CL / on sheer		5,592 / 5,817
Maximum beam station from stem		6,428
RM Measured		113,0kg·m
RM Default		100,9kg·m
Limit of positive stability / Stab.Index		121,3° / 120,4
Freeboard at mast at 3,855		1,084



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2015 Measurements Datasheet

RIG			
Forestay Tension Aft	Spreaders 2		
Inner Stay None Fitted	Runners 0		
Carbon Mast Yes	Jumper Struts None		
Taper Hollows No	Jib Furler No		
Fiber Rigging No	Main Furler No		
Lenticular Rigging No	Without Backstay No		
Articulated Bowsprit No			
P 13,180	E 4,540	MDT1 0,095	MW 0,165
IG 13,159	J 3,550	MDL1 0,167	GO 0,177
ISP 13,179	SFJ 0,305	MDT2 0,092	BD 0,150
BAS 1,705	SPL 3,550	MDL2 0,117	MWT 87,00
FSP 0,064	TPS	TL 1,690	MCG 4,460

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MIZZEN RIG AND SAILS	
N/A	

PROPELLER		
Installation Strut	PRD 0,430	
Type Folding 2 blades	PBW 0,120	
Twin Screw No	PIPA 0,0033	
ST1 0,040	ST3 0,180	ST5 0,310
ST2 0,180	ST4 0,112	EDL 1,995

COMMENTS	
ex "X-HOT"	

MOVEABLE BALLAST	
N/A	

CENTERBOARD	
N/A	

SAILS (Maximum Areas)						
Mainsail	HB	MGT	MGU	MGM	MGL	Area Area (r) Formula
	0,175	0,98	1,76	2,94	3,85	35,96 36,70 $P/8 \cdot (E + 2 \cdot MGL + 2 \cdot MGM + 1.5 \cdot MGU + MGT + 0.5 \cdot HB)$
Symmetric	SL	SMG	SF			
	12,90	6,36	6,16	67,94	$SL \cdot (SF + 4 \cdot SMG) / 6$	
Asymmetric						
Not Available						

HEADSAILS												
Area = 0.1125 · JL · (1.445 · LPG + 2 · JGL + 2 · JGM + 1.5 · JGU + JGT + 0.5 · JH)												
JH	JGT	JGU	JGM	JGL	LPG	JL	Area	Btn	Fly	Meas.Date	Material	Comment
0,10	0,61	1,14	2,27	3,49	4,70	13,05	30,36			30/04/2012	Kevlar	
0,08	0,57	1,06	2,00	2,89	3,76	12,90	25,27			30/04/2012	Kevlar	
0,05	0,53	1,00	1,92	2,80	3,57	12,94	24,24			30/04/2012	Unknow	
0,08	0,49	0,91	1,78	2,69	3,58	12,97	23,36			11/03/2015	Polyest	

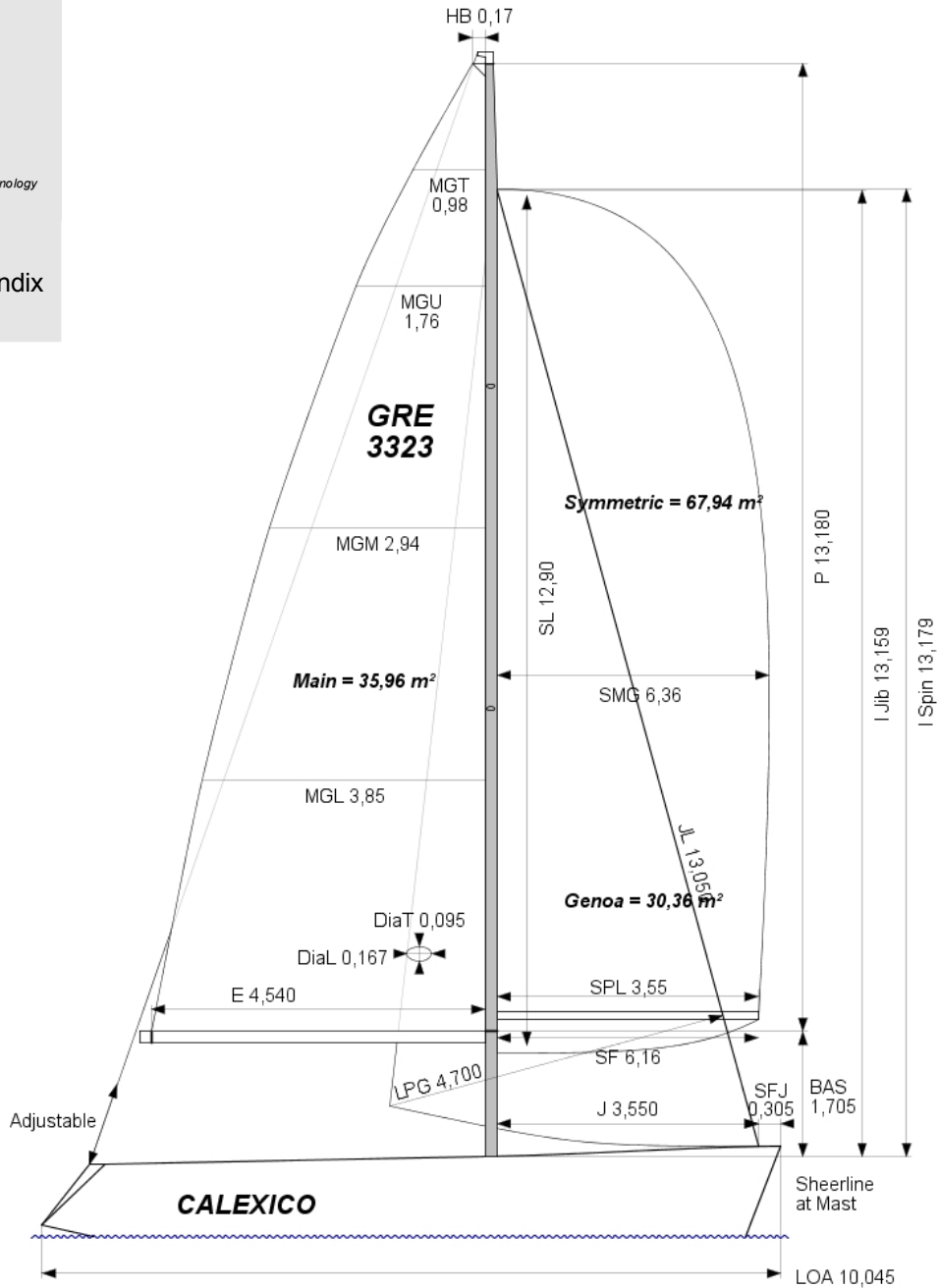
MEASUREMENT INVENTORY				
Measurer ASSIMACOS				
Date 16/05/2006				
Comment				
Id	Item	Weight	Distance	VCG Description
4	Anchor	26,0	9,10	BRUCE & chain-
2	Anchor	18,5	9,10	DANWORTH-
4	Foels	8,6	5,50	
Id	Item	Maker	Model	
1	Engine	Yanmar	3GM30-93	
Id	Item	Weight	Description	
4	Deck-Gear	8,0		

MEASUREMENT INVENTORY						
Id	Item	Tank Use	Tank Type	Capcty	Dist.	VCG Condtn Description
1	Tank Fuel		Inox	80,0	7,90	0,0
2	Tank Water		PVC hard	120,0	3,80	0,0
Id	Item	Weight	Distance	VCG Description		
1	Battery	58,4	4,50	3 x 72Ah		
2	Battery	13,4	4,70	1 x 45Ah		



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Sail Plan



SAILS INVENTORY

MAINSAIL

Id	HB	MGT	MGU	MGM	MGL	Area	Measurer	Meas.Date	Manufacture	Material	Comment
1	0,175	0,98	1,76	2,94	3,85	35,96	AFENDRAS	11/06/2014	QUANTUM	Kevlar	
2	0,140	0,93	1,69	2,93	3,78	35,41				Unknown	* Copied from legacy

HEADSAILS

Id	JH	JGT	JGU	JGM	JGL	LPG	JL	Ovrlp	Area	Btn	Fly	Measurer	Meas.Date	Manufacture	Material	Comment
2L	0,10	0,61	1,14	2,27	3,49	4,70	13,05	132%	30,36			MALAKOS	30/04/2012	KAFETZIDA	Kevlar	
3L	0,08	0,57	1,06	2,00	2,89	3,76	12,90	106%	25,27			MALAKOS	30/04/2012	KAKITSIS	Kevlar	
DR	0,05	0,53	1,00	1,92	2,80	3,57	12,94	101%	24,24			MALAKOS	30/04/2012		Unknow	
3H	0,08	0,49	0,91	1,78	2,69	3,58	12,97	101%	23,36			AFENDR	11/03/2015	QUANTUM	Polyest	

SYMMETRIC SPINNAKERS

Id	SL	SMG	SF	Area	Measurer	Meas.Date	Manufacture	Material	Comment
SP1	12,90	6,36	6,16	67,94	MALAKOS	30/04/2012	KAKITSIS	Unknown	
SP2	12,83	4,91	5,88	54,57	MALAKOS	30/04/2012		Unknown	

ASYMMETRIC SPINNAKERS

Id	SLU	SLE	ASL	AMG	ASF	Area	Kind	Measurer	Meas.Date	Manufacture	Material	Comment
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