

BOAT Name FAIRYTALE Sail Nr GRE-1596	GPH 624.9	HULL Length Overall 11.913m Maximum Beam 3.844m Displacement 7,873kg Draft 2.056m Plan Review IMS Reg. Division Cruiser/Racer Dynamic Allowance 0.251% Hull Construction Solid Carbon Rudder No Crew Arm Extension IMSL 10.655m VCGD 0.393m Sink 22.75kg/mm RL 8.427m VCGM 0.214m WS 30.88m² LSM0 10.610m Displacement/Length ratio 6.5916
GENERAL Class ELAN 40 SD FK Designer HUMPHREYS Builder ELAN Series 01/2002 Age 01/2004 Age Allowance 0.487% Offset File E40SDFIN.off - 31/07/2012 10:44:06 Measurement by - 17/07/2012		



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Rating Office
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Επιτροπή
Ανοικτής Θαλάσσης
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SCORING OPTIONS						
	COASTAL / LONG DISTANCE			WINDWARD / LEEWARD		
Time on Distance	606.2			677.8		
Time on Time	0.9898			0.9958		
Triple Number	Low	Medium	High	Low	Medium	High
Time on Distance	724.5	551.0	489.8	938.9	683.1	586.4
Time on Time	0.9317	1.2250	1.3780	0.7189	0.9882	1.1510

TIME ALLOWANCES							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	1087.3	896.0	788.1	727.4	703.9	694.3	683.7
52°	704.1	593.1	528.2	499.0	487.8	483.2	479.9
60°	662.2	562.2	508.4	485.2	474.1	469.4	466.3
75°	632.0	538.1	494.4	473.8	461.0	451.9	443.3
90°	638.6	535.4	486.0	469.1	455.5	442.5	421.5
110°	635.1	523.6	477.0	454.4	436.6	424.8	407.5
120°	653.0	535.5	482.0	457.0	436.5	416.7	390.9
135°	720.5	585.2	507.2	472.1	450.4	429.6	389.7
150°	856.2	678.6	572.9	505.9	473.5	452.9	414.0
Run VMG	988.7	783.6	661.5	579.3	525.5	486.0	444.0

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Number **00918**
ORC Ref **03420000N0Q**
Issued On **23/07/2020**
VPP Ver. **2020 1.02**
Valid until **28/02/2021**

Crew Weight
Default **749kg**
Maximum **720kg**
Minimum* **540kg**
**when applied by the NoR and SI*
Non Manual Pwr **No**

Special Scoring

	ToD	ToT
Non Spin GPH	659.0	0.9105
Non Spin OSN	638.1	0.9403

Selected Courses							
Windward / Leeward	1038.0	839.8	724.8	653.3	614.7	590.1	563.9
Circular Random	867.0	697.3	605.8	552.6	520.2	499.5	474.4
Coastal / Long Distance	1033.0	787.4	650.5	569.2	529.0	499.0	452.8
Non Spinnaker	928.8	740.9	638.0	577.1	539.5	515.2	485.8

Sails Limitations

Headsails	Spinnakers
5	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	43.5°	41.6°	41.3°	40.9°	40.1°	39.8°	39.4°
Beat VMG	3.31	4.02	4.57	4.95	5.11	5.19	5.27
52°	5.11	6.07	6.82	7.21	7.38	7.45	7.50
60°	5.44	6.40	7.08	7.42	7.59	7.67	7.72
75°	5.70	6.69	7.28	7.60	7.81	7.97	8.12
90°	5.64	6.72	7.41	7.67	7.90	8.14	8.54
110°	5.67	6.88	7.55	7.92	8.24	8.47	8.84
120°	5.51	6.72	7.47	7.88	8.25	8.64	9.21
135°	5.00	6.15	7.10	7.63	7.99	8.38	9.24
150°	4.20	5.30	6.28	7.12	7.60	7.95	8.70
Run VMG	3.64	4.59	5.44	6.21	6.85	7.41	8.11
Gybe Angles	145.0°	149.0°	150.0°	155.0°	170.0°	180.0°	180.0°

Class Division Length
CDL = **9.537**

Storm Sails Areas

Heavy Weather Jib	30.17
Storm Jib (JL=9.72)	11.18
Storm Trysail	13.30

Owner

BOAT	
Name FAIRYTALE File GR1596	Sail Nr GRE-1596 Data in meters/kilograms
RIG	
Forestay Tension Aft	Spreaders 2
Inner Stay None Fitted	Runners/Checkstays 0
Carbon Mast No	Jib Furler No
Fiber Rigging No	Main Furler No
Non-Circular Rigging No	
Articulated Bowsprit No	
P 14.056	E 5.405 MDT1 0.130 MW 0.231
IG 14.837	J 4.301 MDL1 0.234 GO 0.263
ISP 15.152	SFJ 0.000 MDT2 0.130 BD 0.252
BAS 1.632	SPL 4.474 MDL2 0.197 MWT 183.00
FSD 0.042	TPS TL 1.100 MCG 5.781

INCLINING TEST AND FREEBOARDS		
Inclining Test Current Inclining		
Flotation date 04/05/2014	SG 1.0220	
FFM 1.449	FF 1.450	SFFP 0.609
FAM 1.018	FA 1.019	SAFP 11.257
W1 93.0	PD1 258.0	WD 12.130
W2 93.0	PD2 258.0	GSA 50.0
W3 93.0	PD3 258.0	RSA 5542.0
W4 93.0	PD4 258.0	PLM 2026.0
LCF from stem on CL / on sheer		6.626 / 6.889
Maximum beam station from stem		6.868
RM Measured		153.6kg-m
RM Default		174.8kg-m
Limit of positive stability / Stab.Index		106.1° / 109.3
Freeboard at mast at 4.301		1.200



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MIZZEN RIG AND SAILS	
N/A	

PROPELLER		
Installation Strut	PRD 0.415	
Type Folding 2 blades	PBW 0.107	
Twin Screw No	PIPA 0.0039	
ST1 0.065	ST3 0.180	ST5 0.300
ST2 0.180	ST4 0.110	EDL 2.953

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COMMENTS	

MOVABLE BALLAST	
N/A	

CENTERBOARD	
N/A	

SAILS (Maximum Areas)									
Mainsail	MHB	MUW	MTW	MHW	MQW	Area	Area (r)	Formula	
	0.18	1.13	2.03	3.49	4.55	45.24	46.35	P/8 · (E + 2·MQW + 2·MHW + 1.5·MTW + MUW + 0.5·MHB)	
Symmetric	SLU	SLE	SL	SHW	SFL				
	15.02	15.02	15.02	8.42	7.99	104.31	SL · (SFL + 4·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	Flying	Meas.Date	Material	Comment
0.11	0.76	1.39	2.48	3.51	4.55	14.48	34.95	Y	No	20/07/2018	Carbon	Jib Light
0.08	0.66	1.26	2.42	3.55	4.58	14.45	34.38	Y	No	09/06/2017	Polyest	Jib Top
0.09	0.67	1.28	2.38	3.45	4.52	14.55	34.09	Y	No	06/03/2014	Carbon	Jib #2
0.09	0.70	1.32	2.48	3.60	4.63	13.91	33.76	Y	No	17/07/2012	Pentex	Roller Jib
0.09	0.60	1.14	2.25	3.36	4.43	14.50	32.59	Y	No	06/03/2014	Carbon	Jib #3
0.06	0.48	0.94	1.91	2.96	4.13	12.10	24.00	Y	No	06/03/2014	Pentex	HW Jib #4

MEASUREMENT INVENTORY				
Measurer GRE-17				
Date 04/05/2014				
Comment				
Internal Ballast total = 0.0				
Id	Item	Weight	Distance	VCG Description
Id	Item	Maker	Model	
1	Engine	VOLVO	Volvo Penta	
Id	Item	Weight Description		

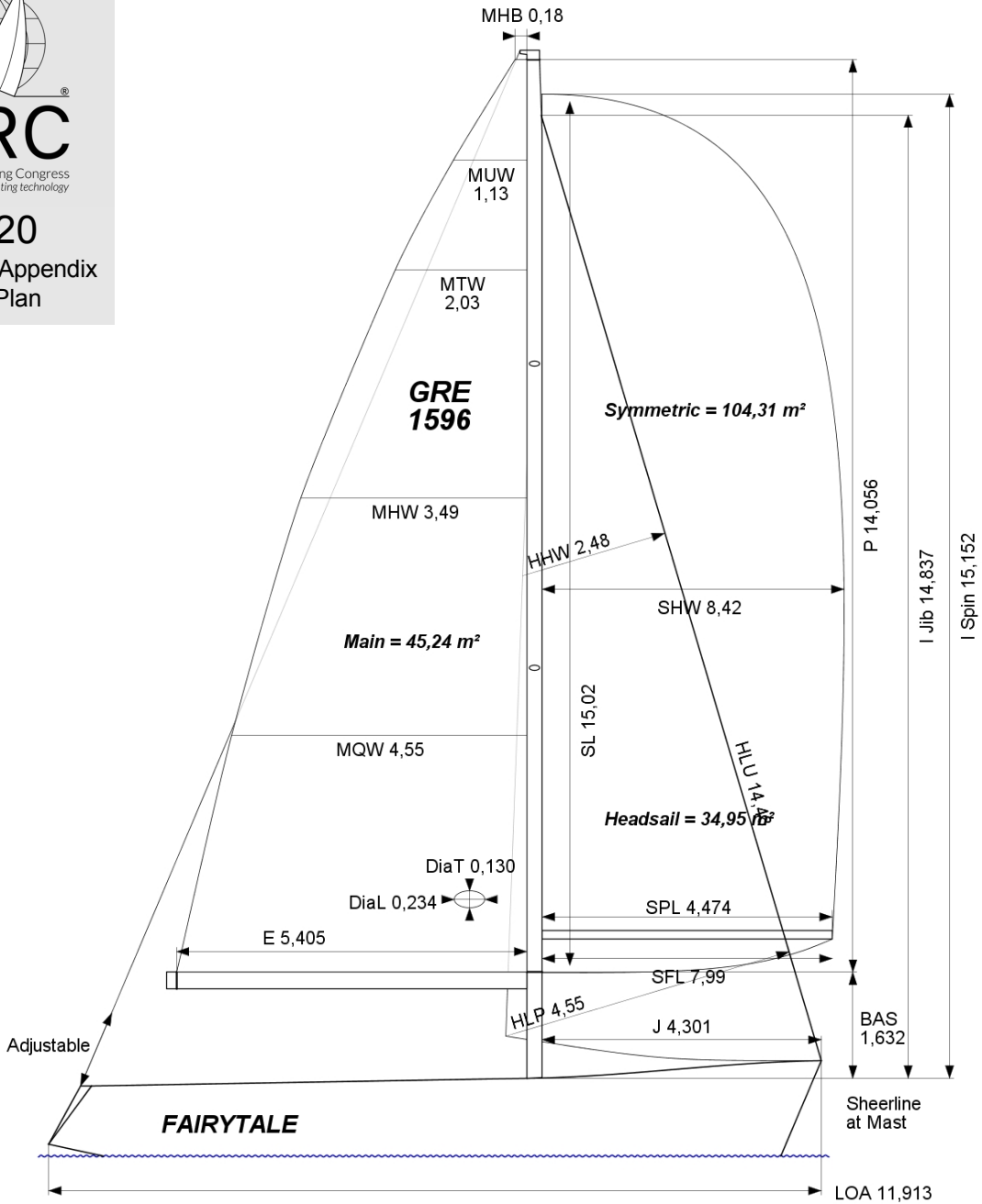
MEASUREMENT INVENTORY							
Id	Item	Tank Use	Tank Type	Capcty	Dist.	VCG	Condtn Description
1	Tank	Water	Inox	85.0	5.60	-0.20	0-0
2	Tank	Water	Inox	150.0	5.60	-0.20	0-0
3	Tank	Diesel	Inox	150.0	9.30	-0.20	0-0
Id	Item	Weight	Distance	VCG Description			
1	Battery	70.0	9.30	-0.20 2 X 140 Ah			
2	Battery	25.0	9.30	-0.20 1 X 95 Ah			
1	Misc	15.0	1.00	1.30 Windlass			



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Sail Plan



SAILS INVENTORY

MAINSAIL (2)																
Id	MHB	MUW	MTW	MHW	MQW	Area	Measurer	Meas.Date	Manufacture	Material	Comment					
3	0.18	1.13	2.03	3.49	4.55	45.25		14/03/2017	Quantum	Polyester	Heavy					
2	0.17	1.13	2.02	3.48	4.55	45.18		06/03/2014	Quantum	Carbon						
HEADSAILS (6)																
Id	HHB	HUW	HTW	HHW	HQW	HLP	HLU	Ovrlp	Area	Btn	Flying	Measurer	Meas.Date	Manufacture	Material	Comment
5	0.11	0.76	1.39	2.48	3.51	4.55	14.48	106%	34.95	Y	No		20/07/2018	Quantum	Carbon	Jib Light
6	0.08	0.66	1.26	2.42	3.55	4.58	14.45	106%	34.38	Y	No		09/06/2017	Quantum	Polyest	Jib Top
2	0.09	0.67	1.28	2.38	3.45	4.52	14.55	105%	34.09	Y	No		06/03/2014	Quantum	Carbon	Jib #2
1	0.09	0.70	1.32	2.48	3.60	4.63	13.91	108%	33.76	Y	No		17/07/2012	Quantum	Pentex	Roller Jib
3	0.09	0.60	1.14	2.25	3.36	4.43	14.50	103%	32.59	Y	No		06/03/2014	Quantum	Carbon	Jib #3
4	0.06	0.48	0.94	1.91	2.96	4.13	12.10	96%	24.00	Y	No		06/03/2014	Quantum	Pentex	HW Jib #4
SYMMETRIC SPINNAKERS (4)																
Id	SLU	SLE	SL	SHW	SFL	Area	Measurer	Meas.Date	Manufacture	Material	Comment					
4	15.02	15.02	15.02	8.42	7.99	104.32		20/07/2018	Quantum	Nylon	Runner Light					
2	14.99	14.99	14.99	8.18	7.86	101.39		14/03/2017	Quantum	Nylon	Reacher light					
1	14.98	14.96	14.97	8.16	7.84	101.00		14/03/2017	Quantum	Nylon	Runner					
3	15.05	15.05	15.05	7.71	7.56	96.32		21/05/2013	Quantum	Nylon	Heavy					
ASYMMETRIC SPINNAKERS (0)																
Id	SLU	SLE	SL	SHW	SFL	Area	Kind	Measurer	Meas.Date	Manufacture	Material	Comment				