

BOAT Name ELLINIX FARR AWAY Sail Nr GRE-40	GPH 536.0	HULL Length Overall 12.415m Maximum Beam 3.956m Displacement 5,104kg Draft 2.599m IMS Reg. Division Performance Dynamic Allowance 0.000% Fwd Accommodation No Hull Construction Cored Carbon Rudder Yes Crew Arm Extension IMSL 11.265m VCGD -0.246m Sink 21.12kg/mm RL 11.136m VCGM -0.251m WS 27.91m² LSM0 10.986m Displacement/Length ratio 3.8494
GENERAL Class FARR 40 ONE DESIGN Designer FARR Builder CARROLL Series 05/1997 Age 05/1998 Age Allowance 0.487% Offset File FARR40.OD.OFF - 13/05/2015 19:45:08 Measurement by - 01/01/2000		



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SCORING OPTIONS						
	COASTAL / LONG DISTANCE			WINDWARD / LEEWARD		
Time on Distance	523.0			586.6		
Time on Time	1.1473			1.1507		
Triple Number	Low	Medium	High	Low	Medium	High
Time on Distance	600.5	479.9	426.1	775.3	591.4	518.2
Time on Time	1.1240	1.4065	1.5840	0.8706	1.1413	1.3026

TIME ALLOWANCES							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	855.3	706.2	653.1	632.8	620.4	606.1	604.6
52°	562.0	481.0	460.5	452.3	447.8	441.3	435.2
60°	530.6	466.7	447.5	438.5	432.9	427.7	416.6
75°	507.6	456.7	432.9	416.2	406.8	400.9	387.8
90°	510.5	456.6	429.7	404.7	386.2	374.7	362.8
110°	539.3	458.6	424.3	401.4	382.8	368.6	330.5
120°	557.2	465.1	428.1	394.3	369.3	352.0	318.0
135°	622.7	499.9	449.7	416.7	383.5	350.4	290.4
150°	741.7	591.8	501.7	452.8	422.3	391.6	331.3
Run VMG	856.4	683.3	579.4	515.3	473.8	441.1	382.5

Certificate
Number **000945**
ORC Ref **GRE01016197**
Issued On **26/07/2019**
VPP Ver. **2019 1.01**
Valid until **28/02/2020**

Crew Weight
Default **787kg**
Maximum **760kg**
Minimum* **570kg**
**when applied by the NoR and SI*
Non Manual Pwr **No**

Special Scoring
ToD ToT
Non Spin GPH **563.8 1.0642**
Non Spin OSN **551.4 1.0882**

Selected Courses							
Windward / Leeward	855.9	694.7	616.2	574.0	547.1	523.6	493.6
Circular Random	727.0	592.1	521.1	479.8	453.3	434.2	406.4
Coastal / Long Distance	855.9	654.8	557.9	500.4	466.3	436.2	388.1
Non Spinnaker	776.8	627.5	547.4	500.1	469.8	448.8	420.0

Sails Limitations
Headsails **6** Spinnakers **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	42.4°	40.8°	38.5°	37.7°	37.1°	36.4°	37.1°
Beat VMG	4.21	5.10	5.51	5.69	5.80	5.94	5.95
52°	6.41	7.48	7.82	7.96	8.04	8.16	8.27
60°	6.79	7.71	8.05	8.21	8.32	8.42	8.64
75°	7.09	7.88	8.32	8.65	8.85	8.98	9.28
90°	7.05	7.88	8.38	8.89	9.32	9.61	9.92
110°	6.68	7.85	8.48	8.97	9.40	9.77	10.89
120°	6.46	7.74	8.41	9.13	9.75	10.23	11.32
135°	5.78	7.20	8.01	8.64	9.39	10.28	12.40
150°	4.85	6.08	7.17	7.95	8.53	9.19	10.87
Run VMG	4.20	5.27	6.21	6.99	7.60	8.16	9.41
Gybe Angles	142.1°	141.5°	148.6°	156.1°	170.8°	180.0°	149.9°

Class Division Length
CDL = **11.202**

Storm Sails Areas
Heavy Weather Jib **35.49**
Storm Jib (JL=10.54) **13.15**
Storm Trysail **16.78**

Owner

BOAT			
Name	ELLINIX FARR AWAY	Sail Nr	GRE-40
File	GR40	Data in	meters/kilograms

INCLINING TEST AND FREEBOARDS					
Inclining Test Current Inclining					
Flotation date 21/07/2019				SG 1.0250	
FFM	1.334	FF	1.333	SFFP	0.152
FAM	1.021	FA	1.024	SAFP	11.954
W1	88.0	PD1	259.0	WD	13.500
W2	88.0	PD2	259.0	GSA	50.2
W3	88.0	PD3	259.0	RSA	5941.7
W4	88.0	PD4	259.0	PLM	2069.0
LCF from stem on CL / on sheer				6.827 / 7.080	
Maximum beam station from stem				8.199	
RM Measured				164.7kg-m	
RM Default				166.4kg-m	
Limit of positive stability / Stab.Index				127.4° / 123.8	
Freeboard at mast at 4.705				1.195	



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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	16.700	E	5.740	MDT1	0.121
IG	16.179	J	4.705	MDL1	0.240
ISP	16.206	SFJ	0.000	MDT2	0.090
BAS	1.745	SPL	4.980	MDL2	0.104
FSP	0.068	TPS		MWT	176.70
		TL	1.993	MCG	5.497

MIZZEN RIG AND SAILS	
N/A	

PROPELLER			
Installation	Strut	PRD	0.407
Type	Folding 2 blades	PBW	
Twin Screw	No	PIPA	0.0035
ST1	0.041	ST3	0.268
ST2		ST4	0.111
		EDL	0.702

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COMMENTS	
ex "ATALANTI XI"	

MOVABLE BALLAST	
N/A	

CENTERBOARD	
N/A	



SAILS (Maximum Areas)									
Mainsail	MHB	MUW	MTW	MHW	MQW	Area	Area (r)	Formula	
	0.180	1.46	2.58	4.19	5.21	62.54	64.44	P/8 · (E + 2·MQW + 2·MHW + 1.5·MTW + MUW + 0.5·MHB)	
Symmetric	SLU	SLE	SL	SHW	SFL	126.00		SL · (SFL + 4·SHW) / 6	
	16.23	16.23	16.23	9.46	8.74				
Asymmetric									
Not Available									

HEADSAILS												
Area = 0.1125·HLU · (1.445·HLP + 2·HQW + 2·HHW + 1.5·HTW + HUW + 0.5·HHB)												
HBB	HUW	HTW	HHW	HQW	HLP	HLU	Area	Btn	Fly	Meas.Date	Material	Comment
0.09	0.69	1.32	2.55	3.72	4.84	16.20	40.55	Y		19/07/2019	Carbon	3DL #66 Medium
0.09	0.68	1.32	2.55	3.70	4.86	16.10	40.26	Y		24/07/2019	Carbon	3DL Light
0.10	0.63	1.20	2.35	3.59	4.84	16.05	38.56	Y		24/07/2019	Kevlar	3DL Heavy

MEASUREMENT INVENTORY				
Measurer	GRE-16			
Date	21/07/2019			
Comment				
Id	Item	Weight	Distance	VCG Description
Id	Item	Maker	Model	
1	Engine	YANMAR	3GM30FG	
Id	Item	Weight Description		

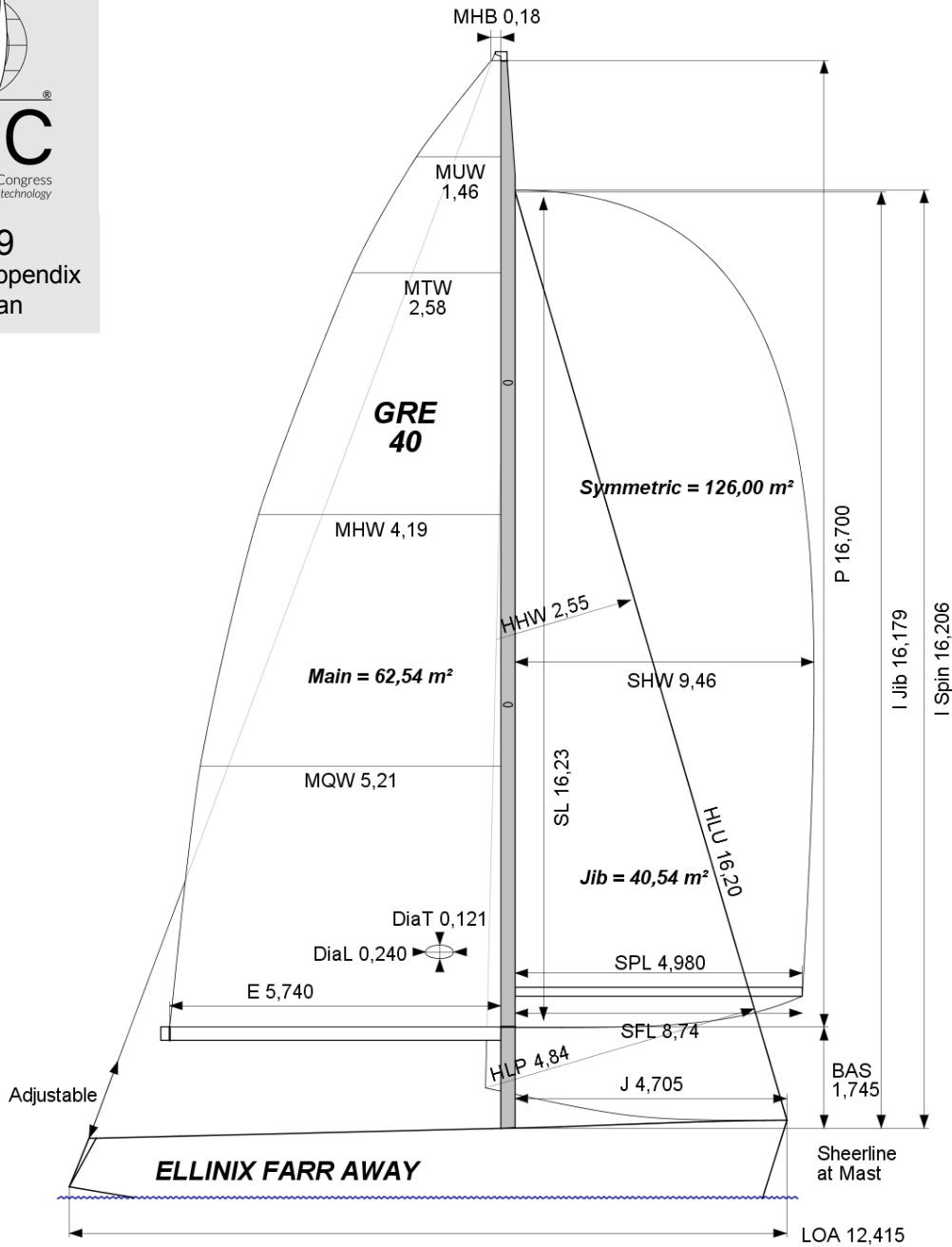
MEASUREMENT INVENTORY									
Id	Item	Tank Use	Tank Type	Capcty	Dist.	VCG	Condtn	Description	
2	Tank	WATER	PLASTIC BAG	160.0	6.20	0.00	0-0	empty	
1	Tank	DIESEL	ALUM	75.0	8.70	0.15	31-0	31 lt	
Id	Item	Weight	Distance	VCG Description					
3	Battery		7.65	-0.05 55Ah					
2	Battery		7.10	0.10 100Ah starboard					
1	Battery		7.10	0.10 100Ah port					
1	Misc	17.8	5.25	0.00 mast jack pump					



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Sail Plan



SAILS INVENTORY

MAINSAIL (2)																
Id	MHB	MUW	MTW	MHW	MQW	Area	Measurer	Meas.Date	Manufacture	Material	Comment					
1	0.18	1.46	2.58	4.19	5.21	62.55		19/07/2019	NorthSails	Carbon	3DL #54					
2	0.18	1.45	2.57	4.17	5.21	62.41		19/07/2019	NorthSails	PBO Zylon	#30					
HEADSAILS (3)																
Id	HHB	HUW	HTW	HHW	HQW	HLP	HLU	Ovrlp	Area	Btn	Fly	Measurer	Meas.Date	Manufacture	Material	Comment
J2	0.09	0.69	1.32	2.55	3.72	4.84	16.20	103%	40.55	Y			19/07/2019	NorthSails	Carbon	3DL #66 Medium
J1	0.09	0.68	1.32	2.55	3.70	4.86	16.10	103%	40.26	Y			24/07/2019	NorthSails	Carbon	3DL Light
J3	0.10	0.63	1.20	2.35	3.59	4.84	16.05	103%	38.56	Y			24/07/2019	NorthSails	Kevlar	3DL Heavy
SYMMETRIC SPINNAKERS (1)																
Id	SLU	SLE	SL	SHW	SFL	Area	Measurer	Meas.Date	Manufacture	Material	Comment					
1	16.24	16.22	16.23	9.46	8.74	126.00		23/06/2016	Quantum	Nylon	S2 0.6 Runner					
ASYMMETRIC SPINNAKERS (0)																
Id	SLU	SLE	SL	SHW	SFL	Area	Kind	Measurer	Meas.Date	Manufacture	Material	Comment				