

BOAT Name RESPECT Sail Nr GBR-1035	GPH 566.9	HULL Length Overall 10.630m Maximum Beam 3.292m Displacement 2,810kg Draft 2.295m IMS Reg. Division Performance Dynamic Allowance 0.001% Fwd Accommodation No Hull Construction Cored Carbon Rudder Yes Crew Arm Extension
GENERAL Class 1D35 Designer NELSON/MAREK Builder Carroll Marine Series 01/1998 Age 03/1999 Age Allowance 0.487% Offset File 1D35.OFF - 24/03/2001 08:55:00 Measurement by ASSIMACOS - 14/05/2015		IMSL 9.767m VCGD -0.126m Sink 15.77kg/mm RL 9.627m VCGM -0.014m WS 20.25m² LSM0 9.463m Displacement/Length ratio 3.3160



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SCORING OPTIONS						
	COASTAL / LONG DISTANCE			WINDWARD / LEEWARD		
Time on Distance	552.3			621.6		
Time on Time	1.0864			1.0859		
Triple Number	Low	Medium	High	Low	Medium	High
Time on Distance	637.1	506.9	448.1	819.3	626.5	547.2
Time on Time	1.0595	1.3317	1.5062	0.8239	1.0775	1.2335

TIME ALLOWANCES							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	922.0	754.6	700.2	680.6	670.0	656.3	658.0
52°	606.2	514.3	492.8	484.6	480.1	472.5	468.6
60°	573.3	499.2	478.0	468.5	462.8	455.6	446.7
75°	550.1	489.1	459.1	441.2	431.6	426.1	410.3
90°	556.6	490.4	456.3	424.6	404.6	394.0	383.4
110°	566.3	483.4	444.4	420.6	399.6	381.8	336.1
120°	583.3	489.8	444.8	406.8	383.5	363.7	325.6
135°	647.8	521.3	471.5	429.5	387.6	346.7	294.0
150°	770.6	615.4	521.9	472.6	434.6	397.2	321.3
Run VMG	889.8	710.6	602.7	536.9	493.0	457.7	371.0

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Number **001101**
ORC Ref **GRE01009855**
Issued On **24/05/2018**
VPP Ver. **2018 1.00**
Valid until **28/02/2019**

Crew Weight

Default **636kg**
Maximum **650kg**
Minimum* **488kg**
**when applied by the NoR and SI*
Non Manual Pwr **No**

Special Scoring

	ToD	ToT
Non Spin GPH	600.5	0.9992
Non Spin OSN	584.9	1.0259

Selected Courses							
Windward / Leeward	905.9	732.6	651.4	608.7	581.5	557.0	514.5
Circular Random	771.3	627.1	551.0	506.7	478.0	456.9	424.5
Coastal / Long Distance	904.3	690.8	589.5	529.3	493.0	459.6	404.8
Non Spinnaker	831.9	669.7	582.5	531.2	498.4	475.5	443.8

Sails Limitations

Headsails	Spinnakers
5	3

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°	40.8°	38.4°	38.0°	37.0°	36.9°	37.8°
Beat VMG	3.90	4.77	5.14	5.29	5.37	5.49	5.47
52°	5.94	7.00	7.30	7.43	7.50	7.62	7.68
60°	6.28	7.21	7.53	7.68	7.78	7.90	8.06
75°	6.54	7.36	7.84	8.16	8.34	8.45	8.77
90°	6.47	7.34	7.89	8.48	8.90	9.14	9.39
110°	6.36	7.45	8.10	8.56	9.01	9.43	10.71
120°	6.17	7.35	8.09	8.85	9.39	9.90	11.06
135°	5.56	6.91	7.64	8.38	9.29	10.38	12.24
150°	4.67	5.85	6.90	7.62	8.28	9.06	11.20
Run VMG	4.05	5.07	5.97	6.71	7.30	7.87	9.70
Gybe Angles	141.3°	140.8°	150.0°	157.8°	180.0°	174.4°	142.2°

Class Division Length

CDL = **9.698**

Storm Sails Areas

Heavy Weather Jib **22.73**
Storm Jib (JL=8.43) **8.42**
Storm Trysail **12.14**

Owner

BOAT	
Name RESPECT	Sail Nr GBR-1035
File GBR1035	Data in meters/kilograms

INCLINING TEST AND FREEBOARDS			
Inclining Test Current Inclining			
Flotation date 14/05/2015	SG 1.0280		
FFM 1.242	FF 1.241	SFFP 0.170	
FAM 0.963	FA 0.963	SAFP 10.300	
W1 55.0	PD1 570.9	WD 10.540	
W2 55.0	PD2 569.7	GSA 1.0	
W3 55.0	PD3 565.4	RSA 1.0	
W4 55.0	PD4 555.7	PLM 9000.0	
LCF from stem on CL / on sheer		5.836 / 6.054	
Maximum beam station from stem		6.433	
RM Measured		80.7kg·m	
RM Default		90.7kg·m	
Limit of positive stability / Stab.Index		117.1° / 111.7	
Freeboard at mast at 3.840		1.092	

RIG			
Forestay Tension Forward	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 13.210	E 5.250	MDT1 0.112	MW 0.166
IG 12.925	J 3.790	MDL1 0.166	GO 0.181
ISP 13.705	SFJ 0.050	MDT2 0.102	BD 0.163
BAS 1.525	SPL 4.430	MDL2 0.082	MWT
FSP 0.060	TPS 4.420	TL 2.020	MCG


MIZZEN RIG AND SAILS	
N/A	

PROPELLER			
Installation Strut	PRD 0.386		
Type Folding 2 blades	PBW 0.099		
Twin Screw No	PIPA 0.0036		
ST1 0.042	ST3 0.180	ST5 0.386	
ST2 0.180	ST4 0.112	EDL 1.330	

COMMENTS	

MOVABLE BALLAST	
N/A	

CENTERBOARD	
N/A	




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SAILS (Maximum Areas)									
Mainsail	MHB	MUW	MTW	MHW	MQW	Area	Area (r)	Formula	
	1.350	1.72	2.40	3.55	4.47	45.05	46.48	P/8 · (E + 2·MQW + 2·MHW + 1.5·MTW + MUW + 0.5·MHB)	
Symmetric	SLU	SLE	SL	SHW	SFL	96.72		SL · (SFL + 4·SHW) / 6	
	13.91	13.91	13.91	8.41	8.08				
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
0.12	0.62	1.15	2.16	3.16	4.10	12.22	26.08	Y		06/09/2017	Carbon	ADD
0.06	0.57	1.06	2.06	3.08	4.10	12.24	25.33			27/06/2016	Kevlar	REPLACE
0.05	0.50	0.98	1.99	3.05	4.13	12.40	25.17			16/06/2016	Kevlar	ADD

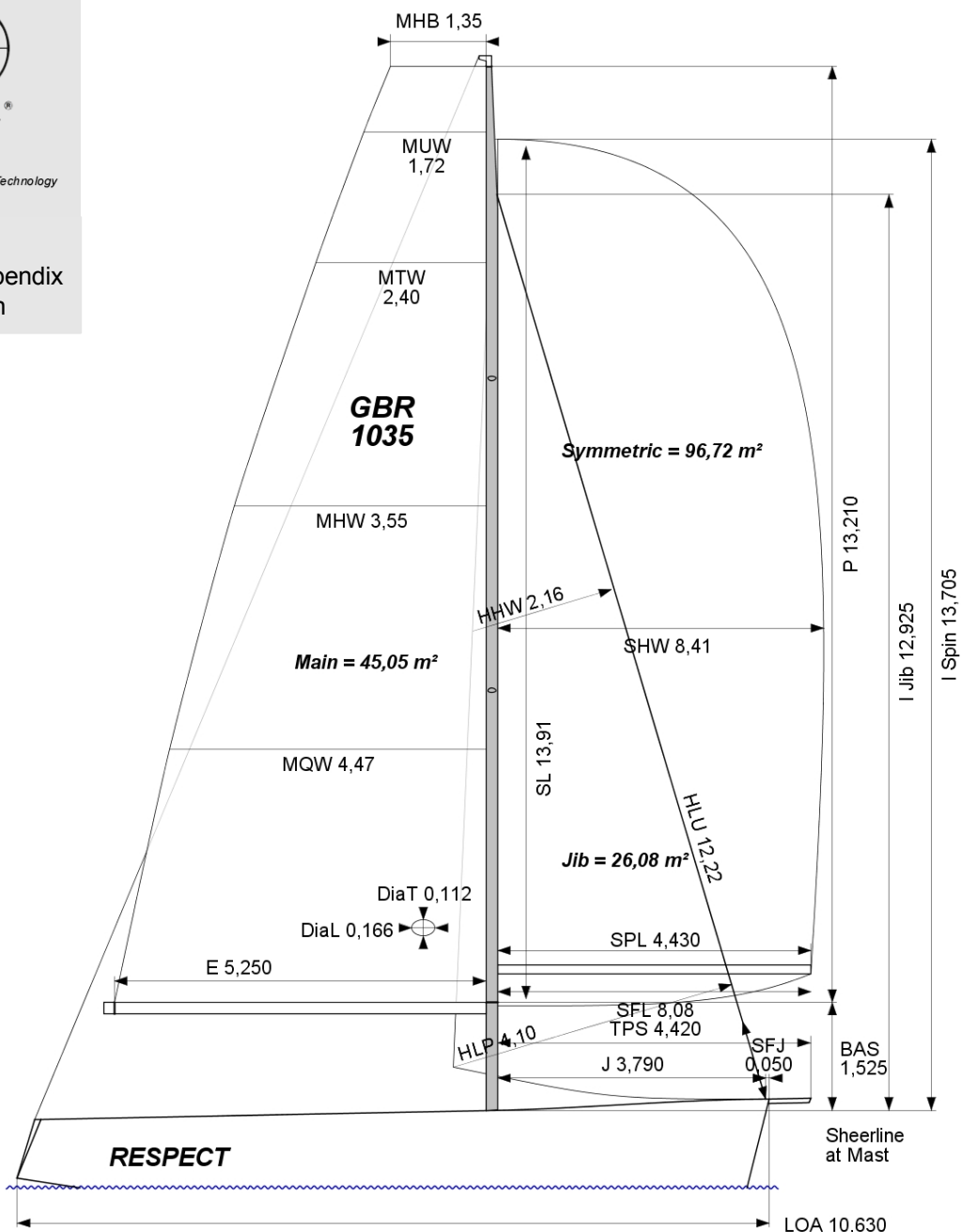
MEASUREMENT INVENTORY				
Measurer ASSIMACOS GRE-34				
Date 14/05/2015				
Comment				
<i>Id</i>	<i>Item</i>	<i>Weight</i>	<i>Distance</i>	<i>VCG Description</i>
<i>Id</i>	<i>Item</i>	<i>Maker</i>	<i>Model</i>	
2	Engine	YANMAR	2GM20FC	
<i>Id</i>	<i>Item</i>	<i>Weight Description</i>		

MEASUREMENT INVENTORY									
<i>Id</i>	<i>Item</i>	<i>Tank Use</i>	<i>Tank Type</i>	<i>Capcty</i>	<i>Dist.</i>	<i>VCG</i>	<i>Condtn</i>	<i>Description</i>	
3	Tank	Fuel	Hard Plastic	40.0	7.85	0.10	0-0	Centerplane	
4	Tank	Water	Soft Collapsible	160.0	5.70	-0.05	0-0	Starboard	
<i>Id</i>	<i>Item</i>	<i>Weight</i>	<i>Distance</i>	<i>VCG Description</i>					
1	Battery	40.3	6.44	-0.17 2x74Ah Gel centerplane					



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Sail Plan



SAILS INVENTORY

MAINSAIL (3)

Id	MHB	MUW	MTW	MHW	MQW	Area	Measurer	Meas.Date	Manufacture	Material	Comment
2	1.350	1.72	2.40	3.55	4.47	45.05	GALANI	15/03/2016	OS3	Dacron	
1	1.310	1.66	2.35	3.50	4.46	44.60	GIAPANTZIS	28/06/2016	OS3	Carbon	ADD

HEADSAILS (3)

Id	HHB	HUW	HTW	HHW	HQW	HLP	HLU	Ovrlp	Area	Btn	Fly	Measurer	Meas.Date	Manufacture	Material	Comment
J1/3	0.12	0.62	1.15	2.16	3.16	4.10	12.22	108%	26.08	Y		GALANI	06/09/2017	KAKITSIS	Carbon	ADD
J1/2	0.06	0.57	1.06	2.06	3.08	4.10	12.24	108%	25.33			ASSIMAC	27/06/2016	InSails	Kevlar	REPLACE
J2/2	0.05	0.50	0.98	1.99	3.05	4.13	12.40	109%	25.17			ASSIMAC	16/06/2016	InSails	Kevlar	ADD

SYMMETRIC SPINNAKERS (4)

Id	SLU	SLE	SL	SHW	SFL	Area	Measurer	Meas.Date	Manufacture	Material	Comment
Heavy	13.91	13.91	13.91	8.41	8.08	96.72	ASSIMACOS	16/06/2016	InSails	Nylon	REPLACE
Reacher	13.67	13.67	13.67	8.47	7.98	95.37	ASSIMACOS	16/06/2016	Quantum	Nylon	REPLACE
Megium	13.63	13.63	13.63	8.52	7.87	95.30	ASSIMACOS	16/06/2016	Quantum	Nylon	REPLACE
Light	13.82	13.82	13.82	8.30	8.04	94.99	ASSIMACOS	16/06/2016	InSails	Nylon	REPLACE

ASYMMETRIC SPINNAKERS (0)

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