

BOAT Name CANENAS Sail Nr GRE-1679	GPH 631.0	HULL Length Overall 12.000m Maximum Beam 3.980m Displacement 8,786kg Draft 2.016m IMS Reg. Division Cruiser/Racer Dynamic Allowance 0.316% Fwd Accommodation Yes Hull Construction Solid Carbon Rudder No Crew Arm Extension
GENERAL Class BAVARIA 40 CRUISER Designer FARR Builder BAVARIA Series 10/2010, CIN DEBAVB40Y4B212 Age 01/2012 Age Allowance 0.260% Offset File BAV40CRU.OFF - 20/03/2013 20:43:40 Measurement by CORBETT - 09/03/2014		IMSL 10.931m VCGD -0.265m Sink 25.92kg/mm RL 8.119m VCGM 0.309m WS 34.41m² LSM0 10.890m Displacement/Length ratio 6.8031



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SCORING OPTIONS						
	COASTAL / LONG DISTANCE			WINDWARD / LEEWARD		
Time on Distance	612.7			694.1		
Time on Time	0.9793			0.9724		
Triple Number	Low	Medium	High	Low	Medium	High
Time on Distance	733.5	554.9	496.4	955.3	698.6	606.7
Time on Time	0.9202	1.2164	1.3598	0.7066	0.9662	1.1126

TIME ALLOWANCES							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	1113.6	910.6	800.4	741.1	720.3	713.7	707.8
52°	720.6	600.6	531.1	498.4	487.2	483.0	479.5
60°	677.8	568.9	507.5	481.0	470.0	466.1	464.5
75°	645.7	544.0	491.0	467.9	454.8	446.7	441.1
90°	632.4	523.5	475.2	457.6	449.4	436.7	417.8
110°	632.4	520.1	470.8	447.7	429.4	415.9	399.2
120°	654.8	537.8	479.1	452.6	432.5	412.8	382.8
135°	733.3	593.2	510.9	470.4	448.0	428.3	389.9
150°	869.8	686.4	582.4	516.2	481.5	459.7	428.4
Run VMG	1004.4	792.6	672.5	596.0	554.4	508.2	456.1

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Number **001017**
ORC Ref **GRE01009322**
Issued On **26/03/2018**
VPP Ver. **2018 1.00**
Valid until **28/02/2019**

Crew Weight

Default **777kg**
Maximum **350kg**
Minimum* **263kg**
**when applied by the NoR and SI*
Non Manual Pwr **No**

Special Scoring

	ToD	ToT
Non Spin GPH	664.1	0.9035
Non Spin OSN	641.5	0.9353

Selected Courses							
Windward / Leeward	1059.0	851.6	736.5	668.5	637.3	610.9	581.9
Circular Random	877.6	704.3	611.1	557.6	525.6	505.6	481.8
Coastal / Long Distance	1053.5	797.1	657.6	574.9	535.7	503.8	454.6
Non Spinnaker	941.5	748.4	642.4	579.8	541.5	517.1	488.5

Sails Limitations

Headsails	Spinnakers
5	3

Dacron Sails

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°	42.5°	41.8°	41.6°	41.6°	41.3°	41.6°
Beat VMG	3.23	3.95	4.50	4.86	5.00	5.04	5.09
52°	5.00	5.99	6.78	7.22	7.39	7.45	7.51
60°	5.31	6.33	7.09	7.49	7.66	7.72	7.75
75°	5.58	6.62	7.33	7.69	7.92	8.06	8.16
90°	5.69	6.88	7.58	7.87	8.01	8.24	8.62
110°	5.69	6.92	7.65	8.04	8.38	8.66	9.02
120°	5.50	6.69	7.51	7.95	8.32	8.72	9.40
135°	4.91	6.07	7.05	7.65	8.04	8.41	9.23
150°	4.14	5.24	6.18	6.97	7.48	7.83	8.40
Run VMG	3.58	4.54	5.35	6.04	6.49	7.08	7.89
Gybe Angles	144.3°	147.7°	147.8°	148.5°	151.0°	176.1°	178.5°

Class Division Length

CDL = 9.526

Storm Sails Areas

Heavy Weather Jib **33.37**
Storm Jib (JL=10.22) **12.36**
Storm Trysail **15.69**

Owner

BOAT	
Name CANENAS	Sail Nr GRE-1679
File GR1679	Data in meters/kilograms

INCLINING TEST AND FREEBOARDS		
Inclining Test Current Inclining		
Flotation date 09/03/2014		SG
FFM 1.551	FF 1.534	SFFP 0.314
FAM 1.167	FA 1.194	SAFP 11.373
W1 136.8	PD1 254.0	WD 10.620
W2 136.8	PD2 254.0	GSA 50.3
W3 136.8	PD3 254.0	RSA 5808.8
W4 136.8	PD4 254.0	PLM 2100.0
LCF from stem on CL / on sheer		6.425 / 6.712
Maximum beam station from stem		8.064
RM Measured		208.4kg-m
RM Default		229.7kg-m
Limit of positive stability / Stab.Index		105.6° / 109.4
Freeboard at mast at 4.190		1.368

RIG				
Forestay Tension Aft	Spreaders 2			
Inner Stay None Fitted	Runners 0			
Carbon Mast No	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 15.810	E 5.670	MDT1 0.128	MW 0.247	
IG 15.629	J 4.190	MDL1 0.247	GO 0.272	
ISP 16.749	SFJ 0.000	MDT2 0.128	BD 0.230	
BAS 1.759	SPL	MDL2 0.180	MWT	
FSP 0.044	TPS 4.840	TL 1.620	MCG	



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MIZZEN RIG AND SAILS	
N/A	

PROPELLER		
Installation Strut	PRD 0.420	
Type Folding 2 blades	PBW 0.105	
Twin Screw No	PIPA 0.0040	
ST1 0.066	ST3 0.175	ST5 0.305
ST2 0.175	ST4 0.109	EDL 2.550

COMMENTS	

MOVABLE BALLAST	
N/A	

CENTERBOARD	
N/A	



SAILS (Maximum Areas)									
Mainsail	MHB	MUW	MTW	MHW	MQW	Area	Area (r)	Formula	
	0.140	1.00	1.87	3.42	4.73	51.08	51.87	P/8 · (E + 2·MQW + 2·MHW + 1.5·MTW + MUW + 0.5·MHB)	
Symmetric Not Available									
Asymmetric	SLU	SLE	SL	SHW	SFL	Area	Formula		
	14.38	13.46	13.92	7.78	8.88	92.80	AS · (SFL + 4·SHW) / 6		

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
0.04	0.61	1.18	2.34	3.46	4.54	14.57	33.70			09/03/2014	Dacron	
0.04	0.52	1.01	2.05	3.14	4.22	14.75	30.75			02/04/2014	Dacron	

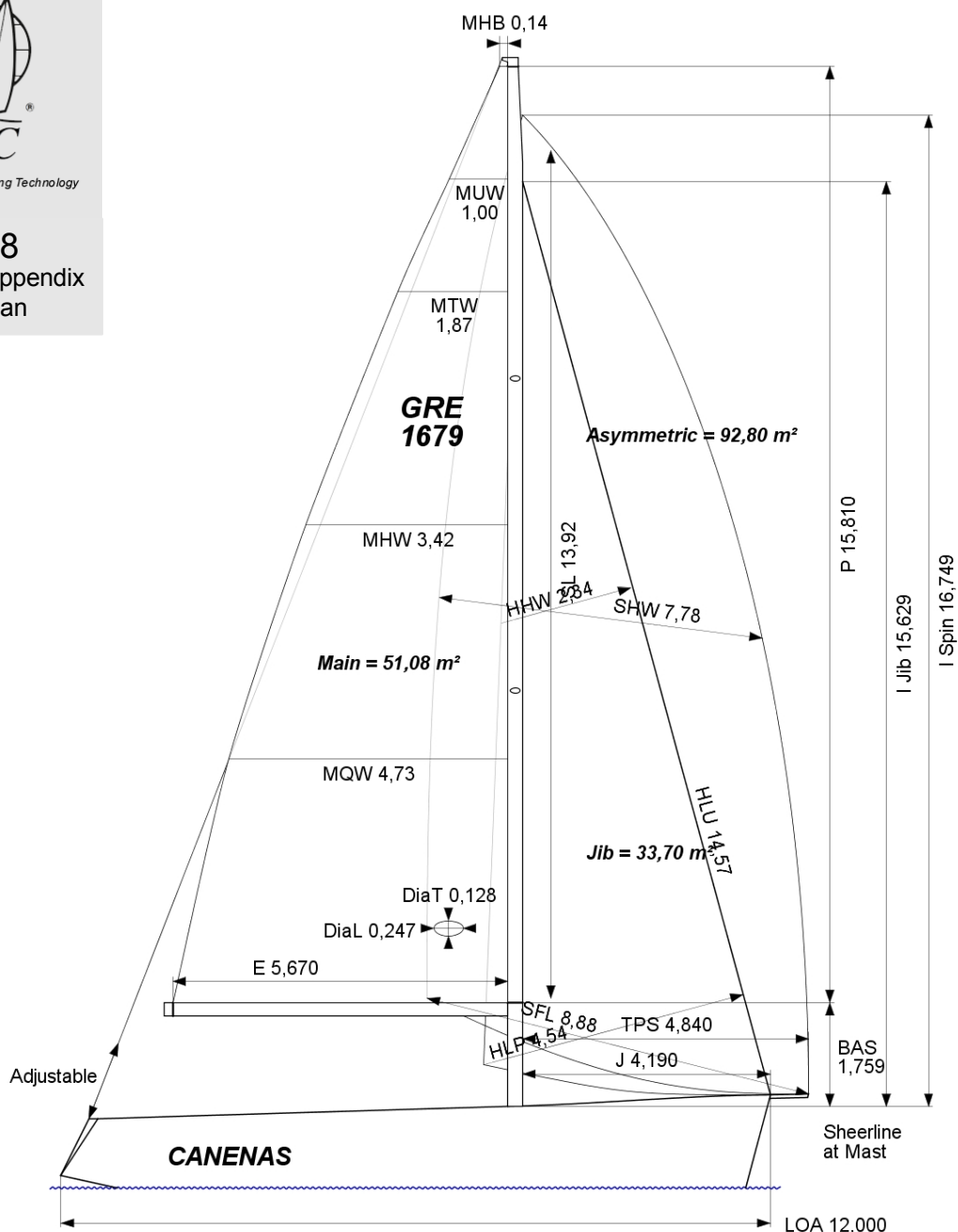
MEASUREMENT INVENTORY				
Measurer CORBETT GRE-28				
Date 09/03/2014				
Comment				
<i>Id</i>	<i>Item</i>	<i>Weight</i>	<i>Distance</i>	<i>VCG Description</i>
<i>Id</i>	<i>Item</i>	<i>Maker</i>	<i>Model</i>	
E	Engine	Volvo Penta	D2-40F	
<i>Id</i>	<i>Item</i>	<i>Weight Description</i>		

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>
DT	Tank	Diesel	PVC	210.0	9.79	-0.21	240.0	Diesel tank FULL
WT	Tank	Water	PVC	210.0	9.79	-0.21	0.0	Empty (cap.
WT	Tank	Water	PVC	150.0	1.00	0.15	0.0	Empty (cap.
<i>Id</i>	<i>Item</i>	<i>Weight</i>	<i>Distance</i>	<i>VCG Description</i>				
B1	Battery	23.0	7.59	-0.25	88Ah Engine battery			
B2	Battery	64.0	6.66	0.20	2x135Ah Service Battery			
V1	Misc		-0.30	1.50 stainless steel bow extension for assym spin.				
V2	Misc		11.37	1.30 Fixed ladder				



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Sail Plan



SAILS INVENTORY

MAINSAIL (1)

Id	MHB	MUW	MTW	MHW	MQW	Area	Measurer	Meas.Date	Manufacture	Material	Comment
M	0.140	1.00	1.87	3.42	4.73	51.08	CORBETT	09/03/2014	DL Sails	Dacron	

HEADSAILS (2)

Id	HHB	HUW	HTW	HHW	HQW	HLP	HLU	Ovrlp	Area	Btn	Fly	Measurer	Meas.Date	Manufacture	Material	Comment
J1	0.04	0.61	1.18	2.34	3.46	4.54	14.57	108%	33.70			CORBETT	09/03/2014	DL Sails	Dacron	
J2	0.04	0.52	1.01	2.05	3.14	4.22	14.75	101%	30.75			CORBETT	02/04/2014	DL Sails	Dacron	

SYMMETRIC SPINNAKERS (0)

Id	SLU	SLE	SL	SHW	SFL	Area	Measurer	Meas.Date	Manufacture	Material	Comment
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ASYMMETRIC SPINNAKERS (1)

Id	SLU	SLE	SL	SHW	SFL	Area	Kind	Measurer	Meas.Date	Manufacture	Material	Comment
AS1	14.38	13.46	13.92	7.78	8.88	92.80	asym	CORBETT	29/03/2014	ELVSTROM	Nylon	