

BOAT Name Stribor Sail Nr CRO 797	GPH 597.6	HULL Length Overall 12.016m Maximum Beam 3.786m Displacement 7,666kg Draft 2.435m IMS Reg. Division Cruiser/Racer Dynamic Allowance 0.113% Fwd Accommodation Yes Hull Construction Solid Carbon Rudder No Crew Arm Extension
GENERAL Class Grand Soleil 40 Designer Paperini Builder Cantiere del Prado Series 04/2000 Age 01/2003 Age Allowance 0.487% Offset File IGRS40.OFF - 14/05/2003 13:24:00 Measurement by - 13/03/2004		IMSL 11.067m VCGD 0.233m Sink 23.33kg/mm RL 9.436m VCGM 0.088m WS 31.07m² LSM0 11.127m Displacement/Length ratio 5.5646



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SCORING OPTIONS						
	COASTAL / LONG DISTANCE			WINDWARD / LEEWARD		
Time on Distance	580.7			647.3		
Time on Time	1.0332			1.0428		
Triple Number	Low	Medium	High	Low	Medium	High
Time on Distance	683.5	529.4	474.9	881.7	651.0	565.7
Time on Time	0.9876	1.2750	1.4215	0.7656	1.0369	1.1932

TIME ALLOWANCES							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	991.2	822.7	729.0	687.4	670.1	662.5	655.4
52°	651.9	551.1	500.3	481.6	474.9	471.5	469.0
60°	617.7	526.8	486.4	469.9	462.8	459.1	456.6
75°	591.5	510.2	476.6	459.6	448.2	441.2	434.9
90°	596.3	510.8	474.8	456.2	441.6	428.7	410.2
110°	614.6	508.7	466.4	444.8	429.0	418.1	399.7
120°	631.0	519.4	471.1	446.8	425.1	405.1	382.2
135°	697.5	566.5	493.8	461.6	439.7	417.3	374.0
150°	826.3	656.8	555.7	493.6	463.4	442.6	401.0
Run VMG	954.1	758.5	641.6	564.7	513.9	476.1	433.8

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VPP Ver. **2019 1.01**
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Selected Courses							
Windward / Leeward	972.7	790.6	685.3	626.1	592.0	569.3	544.6
Circular Random	820.9	663.6	579.7	531.6	502.4	483.5	460.0
Coastal / Long Distance	970.8	743.1	618.5	548.1	511.9	483.6	440.7
Non Spinnaker	875.0	701.7	607.9	553.0	519.2	497.3	469.9

Crew Weight

Default **802kg**
Maximum **680kg**
Minimum* **510kg**
**when applied by the NoR and SI*
Non Manual Pwr **No**

Special Scoring

	ToD	ToT
Non Spin GPH	627.4	0.9563
Non Spin OSN	609.7	0.9840

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	42.6°	40.8°	40.3°	39.2°	38.5°	38.1°	38.0°
Beat VMG	3.63	4.38	4.94	5.24	5.37	5.43	5.49
52°	5.52	6.53	7.20	7.47	7.58	7.63	7.68
60°	5.83	6.83	7.40	7.66	7.78	7.84	7.88
75°	6.09	7.06	7.55	7.83	8.03	8.16	8.28
90°	6.04	7.05	7.58	7.89	8.15	8.40	8.78
110°	5.86	7.08	7.72	8.09	8.39	8.61	9.01
120°	5.71	6.93	7.64	8.06	8.47	8.89	9.42
135°	5.16	6.35	7.29	7.80	8.19	8.63	9.62
150°	4.36	5.48	6.48	7.29	7.77	8.13	8.98
Run VMG	3.77	4.75	5.61	6.38	7.01	7.56	8.30
Gybe Angles	144.3°	148.7°	150.3°	155.5°	169.4°	180.0°	180.0°

Sails Limitations

Headsails	Spinnakers
6	4

Class Division Length

CDL = **10.252**

Storm Sails Areas

Heavy Weather Jib **32.14**
Storm Jib (JL=10.03) **11.91**
Storm Trysail **13.53**

Owner

BOAT	
Name Stribor File CRO797	Sail Nr CRO 797 Data in meters/kilograms

RIG	
Forestay Tension Aft	Spreaders 3
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 14.830	E 5.210 MDT1 0.118 MW 0.208
IG 15.310	J 4.600 MDL1 0.208 GO 0.243
ISP 16.330	SFJ 0.000 MDT2 0.110 BD 0.185
BAS 1.680	SPL 4.480 MDL2 0.174 MWT 214.60
FSP 0.070	TPS TL 1.000 MCG 5.920

INCLINING TEST AND FREEBOARDS		
Inclining Test Current Inclining		
Flotation date 24/03/2019		SG 1.0190
FFM 1.437	FF 1.436	SFFP 0.540
FAM 1.028	FA 1.037	SAFP 11.255
W1 100.9	PD1 541.3	WD 12.130
W2 100.9	PD2 542.6	GSA 1.0
W3 100.9	PD3 542.8	RSA 1.0
W4 100.9	PD4 542.8	PLM 9000.0
LCF from stem on CL / on sheer		6.744 / 6.993
Maximum beam station from stem		8.051
RM Measured		177.7kg-m
RM Default		194.8kg-m
Limit of positive stability / Stab.Index		113.4° / 117.2
Freeboard at mast at 4.600		1.218



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MIZZEN RIG AND SAILS	
N/A	

PROPELLER		
Installation Strut	PRD 0.430	
Type Folding 2 blades	PBW	
Twin Screw No	PIPA 0.0037	
ST1 0.070	ST3 0.178	ST5 0.309
ST2 0.175	ST4 0.102	EDL 2.870

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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	
	0.210	1.08	1.97	3.43	4.51	46.77	47.79	P/8 · (E + 2·MQW + 2·MHW + 1.5·MTW + MUW + 0.5·MHB)	
Symmetric	SLU	SLE	SL	SHW	SFL	114.45		SL · (SFL + 4·SHW) / 6	
	15.97	15.97	15.97	8.68	8.28				
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
0.08	0.75	1.46	2.95	4.54	6.17	15.26	46.14			24/10/2018	Carbon	
0.09	0.76	1.47	2.94	4.48	6.06	14.81	44.33			26/07/2018	Spectra	
0.10	0.60	1.16	2.27	3.41	4.47	14.60	33.19	Y		26/07/2018	Spectra	

MEASUREMENT INVENTORY				
Measurer CRO5				
Date 16/03/2013				
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>	
1	Engine	Yanmar	40 HP	
<i>Id</i>	<i>Item</i>	<i>Weight</i>	<i>Description</i>	

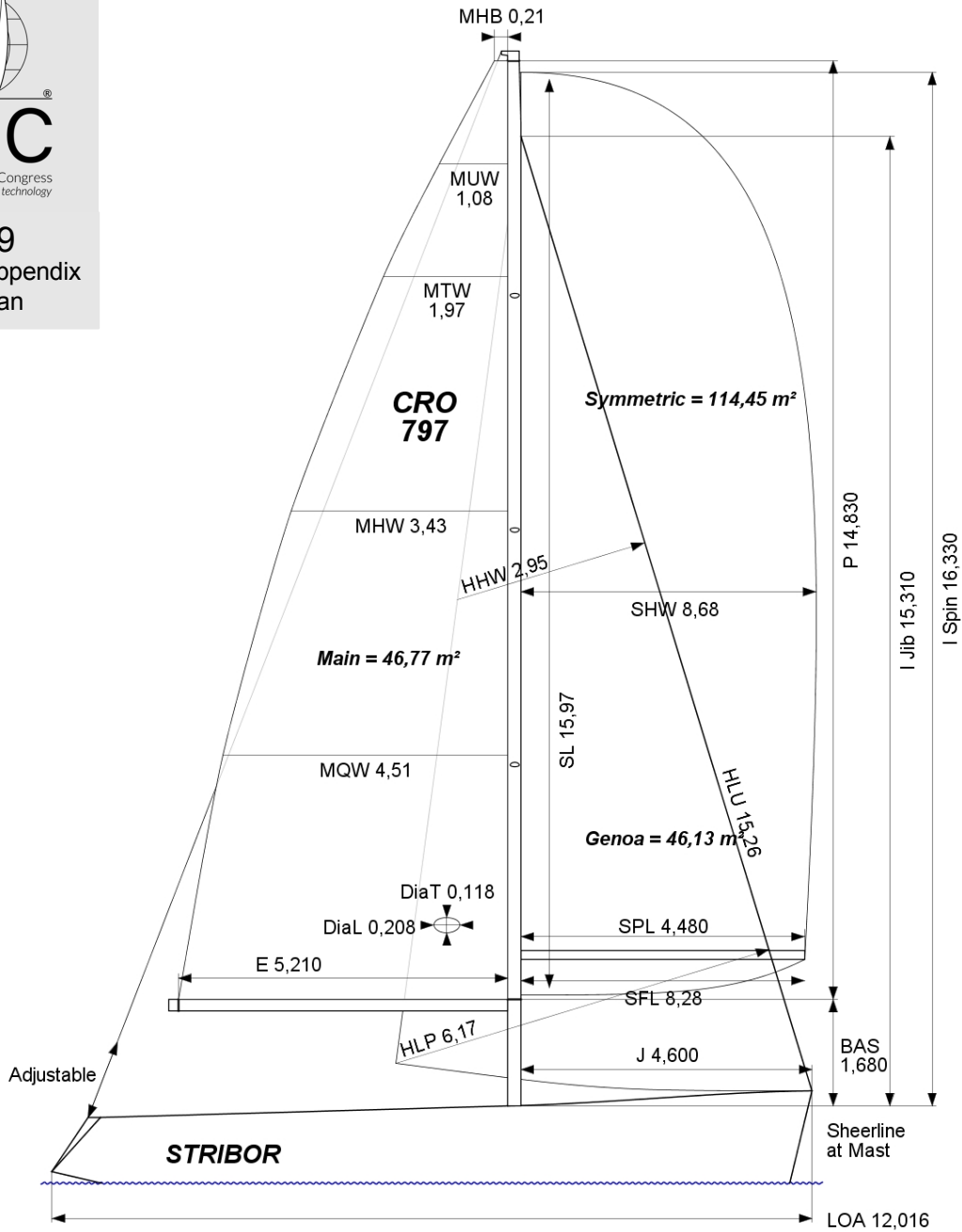
MEASUREMENT INVENTORY							
<i>Id</i>	<i>Item</i>	<i>Tank Use</i>	<i>Tank Type</i>	<i>Capcty</i>	<i>Dist.</i>	<i>VCG</i>	<i>Condtn Description</i>
1	Tank	Water	Fix	150.0	2.70	0-0	PVC
2	Tank	Water	Fix	150.0	2.70	0-0	PVC
3	Tank	Disel	Fix	180.0	9.60	30-0	Inox
4	Tank	Boiler	Fix	22.0	8.70	22-0	Inox starboard
5	Tank	Water pr.	Fix	15.0	8.70	45-0	Al - port
<i>Id</i>	<i>Item</i>	<i>Weight</i>	<i>Distance</i>	<i>VCG</i>	<i>Description</i>		
1	Battery	30.0	6.60	2 x 66 Ah			
2	Battery	17.0	6.60	70 Ah			
	Misc						



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Sail Plan



SAILS INVENTORY

MAINSAIL (1)																
Id	MHB	MUW	MTW	MHW	MQW	Area	Measurer	Meas.Date	Manufacture	Material	Comment					
1	0.21	1.08	1.97	3.43	4.51	46.78		26/07/2018	North sails	Dacron	3DI					
HEADSAILS (3)																
Id	HHB	HUW	HTW	HHW	HQW	HLP	HLU	Ovrlp	Area	Btn	Fly	Measurer	Meas.Date	Manufacture	Material	Comment
3	0.08	0.75	1.46	2.95	4.54	6.17	15.26	134%	46.14				24/10/2018	North sails	Carbon	
1	0.09	0.76	1.47	2.94	4.48	6.06	14.81	132%	44.33				26/07/2018	Noth sails	Spectra	
2	0.10	0.60	1.16	2.27	3.41	4.47	14.60	97%	33.19	Y			26/07/2018	North sails	Spectra	
SYMMETRIC SPINNAKERS (3)																
Id	SLU	SLE	SL	SHW	SFL	Area	Measurer	Meas.Date	Manufacture	Material	Comment					
1	15.97	15.97	15.97	8.68	8.28	114.46		26/07/2018	North sails	Nylon	White S1					
3	15.90	15.90	15.90	8.66	8.29	113.77		30/04/2019	Nrth sails	Nylon	White S2 Novi					
2	15.46	15.46	15.46	7.85	7.54	100.34		04/11/2009	North sails	Nylon	Blue S 2					
ASYMMETRIC SPINNAKERS (0)																
Id	SLU	SLE	SL	SHW	SFL	Area	Kind	Measurer	Meas.Date	Manufacture	Material	Comment				