

BOAT Name CHILI Sail Nr AUT 512	GPH 631.7	HULL Length Overall 9.990m Maximum Beam 3.372m Displacement 4,621kg Draft 1.999m IMS Reg. Division Cruiser/Racer Dynamic Allowance 0.038% Fwd Accommodation Yes Hull Construction Cored Carbon Rudder No Crew Arm Extension
GENERAL Class FIRST 34.7 Designer BRUCE FARR Builder BENETEAU Series 12/2005, CIN 115 Age 01/2007 Age Allowance 0.455% Offset File f235.off - 29/07/2006 14:11:52 Measurement by - 09/03/2019		IMSL 9.117m VCGD -0.073m Sink 16.50kg/mm RL 8.429m VCGM -0.058m WS 22.19m² LSM0 8.966m Displacement/Length ratio 6.4112



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SCORING OPTIONS						
	COASTAL / LONG DISTANCE			WINDWARD / LEEWARD		
Time on Distance	614.7			683.9		
Time on Time	0.9762			0.9869		
Triple Number	Low	Medium	High	Low	Medium	High
Time on Distance	720.7	560.2	503.1	931.9	685.3	601.1
Time on Time	0.9366	1.2049	1.3416	0.7243	0.9850	1.1230

TIME ALLOWANCES							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	1054.6	878.3	773.5	727.3	711.6	705.9	708.6
52°	690.0	583.5	533.8	514.0	506.5	503.1	502.7
60°	651.8	558.5	520.7	502.8	493.2	489.0	486.8
75°	625.1	542.1	511.1	492.4	477.6	466.8	458.3
90°	633.3	542.7	504.6	489.0	472.7	455.9	431.9
110°	636.7	533.2	496.2	470.4	448.0	435.0	416.4
120°	654.3	542.8	501.0	473.9	447.4	423.7	394.3
135°	721.2	587.9	521.3	491.4	465.6	439.8	391.4
150°	865.0	689.3	579.2	520.0	492.3	468.4	421.9
Run VMG	998.8	795.9	668.8	588.2	535.5	503.0	456.7

Certificate
Number **168831**
ORC Ref **GER20041127**
Issued On **03/06/2019**
VPP Ver. **2019 1.01**
Valid until **01/01/2020**

Crew Weight
Default **589kg**
Maximum **715kg**
Minimum* **536kg**
**when applied by the NoR and SI*
Non Manual Pwr **No**

Special Scoring

	ToD	ToT
Double H.GPH	643.1	0.9329
Double H.OSN	628.0	0.9554
Non Spin GPH	663.4	0.9044
Non Spin OSN	643.9	0.9318

Selected Courses							
Windward / Leeward	1026.7	837.1	721.1	657.7	623.6	604.4	582.7
Circular Random	865.8	700.8	613.0	562.5	532.0	512.3	488.0
Coastal / Long Distance	1023.9	786.3	652.6	579.8	542.4	512.7	465.4
Non Spinnaker	921.9	740.7	642.9	586.0	551.3	529.0	501.6

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	42.7°	41.5°	40.6°	39.0°	38.7°	38.6°	39.0°
Beat VMG	3.41	4.10	4.65	4.95	5.06	5.10	5.08
52°	5.22	6.17	6.74	7.00	7.11	7.16	7.16
60°	5.52	6.45	6.91	7.16	7.30	7.36	7.40
75°	5.76	6.64	7.04	7.31	7.54	7.71	7.85
90°	5.68	6.63	7.13	7.36	7.62	7.90	8.33
110°	5.65	6.75	7.26	7.65	8.04	8.28	8.64
120°	5.50	6.63	7.19	7.60	8.05	8.50	9.13
135°	4.99	6.12	6.91	7.33	7.73	8.19	9.20
150°	4.16	5.22	6.22	6.92	7.31	7.68	8.53
Run VMG	3.60	4.52	5.38	6.12	6.72	7.16	7.88
Gybe Angles	145.5°	149.8°	149.7°	158.6°	180.0°	180.0°	180.0°

Class Division Length
CDL = **8.774**

Storm Sails Areas
Heavy Weather Jib **22.63**
Storm Jib (JL=8.42) **8.38**
Storm Trysail **10.11**

Owner

BOAT	
Name CHILI	Sail Nr AUT 512
File AUT512	Data in meters/kilograms

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 12.865	E 4.490 MDT1 0.120 MW 0.170
IG 12.945	J 3.680 MDL1 0.170 GO 0.170
ISP 13.215	SFJ 0.000 MDT2 0.120 BD 0.130
BAS 1.545	SPL 3.950 MDL2 0.130 MWT 144.00
FSP 0.060	TPS TL 0.855 MCG 4.490

INCLINING TEST AND FREEBOARDS			
Inclining Test Current Inclining			
Flotation date 09/03/2019		SG 1.0000	
FFM 1.297	FF 1.306	SFFP 0.172	
FAM 1.030	FA 1.037	SAFP 9.530	
W1 80.0	PD1 678.7	WD 10.710	
W2 80.0	PD2 689.3	GSA 1.0	
W3 80.0	PD3 674.4	RSA 1.0	
W4 80.0	PD4 673.7	PLM 9000.0	
LCF from stem on CL / on sheer		5.404 / 5.638	
Maximum beam station from stem		6.642	
RM Measured		99.4kg-m	
RM Default		100.8kg-m	
Limit of positive stability / Stab.Index		125.8° / 125.4	
Freeboard at mast at 3.680		1.165	



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MIZZEN RIG AND SAILS	
N/A	

PROPELLER			
Installation Strut	PRD 0.420		
Type Folding 2 blades	PBW		
Twin Screw No	PIPA 0.0035		
ST1 0.065	ST3 0.180	ST5 0.260	
ST2 0.190	ST4 0.110	EDL 1.720	

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COMMENTS	

MOVABLE BALLAST	
N/A	

CENTERBOARD	
N/A	

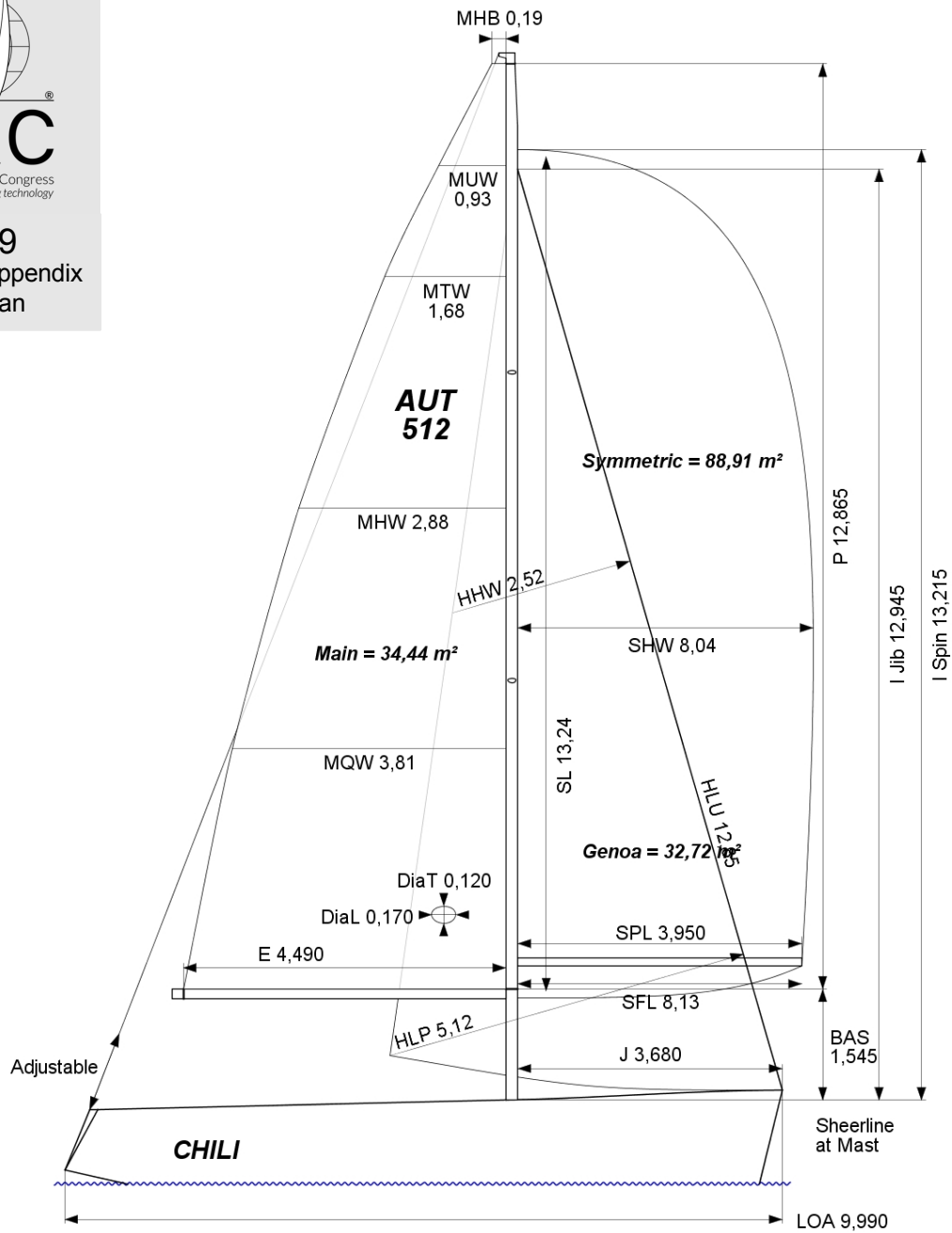


SAILS (Maximum Areas)									
Mainsail	MHB	MUW	MTW	MHW	MQW	Area	Area (r)	Formula	
	0.190	0.93	1.68	2.88	3.81	34.44	35.12	P/8 · (E + 2·MQW+ 2·MHW + 1.5·MTW + MUW + 0.5·MHB)	
Symmetric	SLU	SLE	SL	SHW	SFL				
	13.24	13.24	13.24	8.04	8.13	88.91		SL · (SFL + 4·SHW) / 6	
Asymmetric	Not Available								

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	Fly	Meas.Date	Material	Comment
0.08	0.65	1.26	2.52	3.81	5.12	12.85	32.73	N		22/01/2017	Carbon	G1
0.09	0.66	1.25	2.50	3.78	5.10	12.84	32.52	N		01/04/2018	Kevlar	G2 OeSV F 03/18
0.09	0.58	1.08	2.02	2.91	3.74	12.77	25.16	Y		09/03/2019	Spectra	G3
0.07	0.45	0.86	1.73	2.64	3.60	11.95	21.13	N		09/03/2019	Spectra	Fock

MEASUREMENT INVENTORY				
Measurer				
Date 09/03/2019				
Comment				
<i>Id</i>	<i>Item</i>	<i>Weight</i>	<i>Distance</i>	<i>VCG Description</i>
<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 Description</i>
W	Tank	WATER	PVC	100.0	4.20		0-0
H	Tank	HOLDING	PVC	90.0	2.60		0-0
G	Tank	GASOIL	PVC	60.0	7.20		7-0
<i>Id</i>	<i>Item</i>	<i>Weight</i>	<i>Distance</i>	<i>VCG Description</i>			
B2	Battery		4.20				
B1	Battery		4.20				



SAILS INVENTORY

MAINSAIL (2)

Id	MHB	MUW	MTW	MHW	MQW	Area	Measurer	Meas.Date	Manufacture	Material	Comment
M1	0.19	0.93	1.68	2.88	3.81	34.44		22/01/2017	NEIL	Carbon	OeSV / F / 0117
M1	0.15	0.91	1.64	2.81	3.71	33.74		09/03/2019	HAGOORT	Kevlar	

HEADSAILS (4)

Id	HHB	HUW	HTW	HHW	HQW	HLP	HLU	Ovrlp	Area	Btn	Fly	Measurer	Meas.Date	Manufacture	Material	Comment
J1	0.08	0.65	1.26	2.52	3.81	5.12	12.85	139%	32.73	N			22/01/2017	NEIL	Carbon	G1
G2	0.09	0.66	1.25	2.50	3.78	5.10	12.84	139%	32.52	N			01/04/2018	NEIL	Kevlar	G2 OeSV F 03/18
J3	0.09	0.58	1.08	2.02	2.91	3.74	12.77	102%	25.16	Y			09/03/2019	HAGOORT	Spectra	G3
J4	0.07	0.45	0.86	1.73	2.64	3.60	11.95	98%	21.13	N			09/03/2019	HAGOORT	Spectra	Fock

SYMMETRIC SPINNAKERS (3)

Id	SLU	SLE	SL	SHW	SFL	Area	Measurer	Meas.Date	Manufacture	Material	Comment
S2	13.24	13.24	13.24	8.04	8.13	88.91		22/01/2017	NORTH	Nylon	OeSV / F / 0317
S3	13.48	13.48	13.48	7.68	7.33	85.49		01/04/2018	NEIL	Nylon	OeSV F 02/18
S1	13.50	13.50	13.50	7.58	7.64	85.41		12/03/2010	DOYLE	Nylon	

ASYMMETRIC SPINNAKERS (0)

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