

BOAT Name BAJAZZO Sail Nr GER 6336	GPH 542.5	HULL Length Overall 15.280m Maximum Beam 4.294m Displacement 13,360kg Draft 2.975m IMS Reg. Division Cruiser/Racer Dynamic Allowance 0.093% Fwd Accommodation Yes Hull Construction Cored Carbon Rudder No Crew Arm Extension
GENERAL Class X-50 Designer JEPPESEN Builder X-YACHTS Series 02/2005, CIN 61 Age 02/2010 Age Allowance 0.455% Offset File X50.OFF - 09/05/2005 18:46:00 Measurement by - 14/04/2010		IMSL 13.485m VCGD 0.017m Sink 33.95kg/mm RL 11.630m VCGM -0.004m WS 44.86m² LSM0 13.379m Displacement/Length ratio 5.5787



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SCORING OPTIONS						
	COASTAL / LONG DISTANCE			WINDWARD / LEEWARD		
Time on Distance	527.2			590.2		
Time on Time	1.1382			1.1436		
Triple Number	Low	Medium	High	Low	Medium	High
Time on Distance	625.6	479.2	426.6	809.7	593.9	511.1
Time on Time	1.0790	1.4085	1.5823	0.8336	1.1365	1.3207

TIME ALLOWANCES							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	903.4	742.6	656.1	619.2	603.4	595.9	577.3
52°	593.5	496.9	448.9	431.6	425.3	422.1	414.8
60°	561.9	474.9	435.5	420.1	413.9	410.5	405.1
75°	537.7	459.9	426.5	410.2	399.9	394.0	388.4
90°	543.1	462.4	426.7	408.6	394.9	383.0	366.5
110°	565.6	464.3	420.4	399.5	386.4	376.3	359.8
120°	581.3	474.9	425.6	402.1	382.2	364.3	344.0
135°	646.0	520.5	450.5	417.8	397.2	377.1	337.6
150°	769.1	610.5	515.5	454.5	421.1	401.0	363.4
Run VMG	888.1	705.0	595.3	522.3	474.9	438.3	395.3

Certificate
Number **141419**
ORC Ref **GER20040723**
Issued On **29/04/2019**
VPP Ver. **2019 1.01**
Valid until **01/01/2020**

Crew Weight
Default **1,043kg**
Maximum **900kg**
Minimum* **675kg**
**when applied by the NoR and SI*
Non Manual Pwr **No**

Special Scoring

	ToD	ToT
Double H.GPH	547.9	1.0950
Double H.OSN	533.4	1.1249
Non Spin GPH	572.9	1.0473
Non Spin OSN	557.3	1.0766

Selected Courses							
Windward / Leeward	895.8	723.8	625.7	570.7	539.2	517.1	486.3
Circular Random	750.2	604.2	526.0	480.8	453.1	434.7	410.5
Coastal / Long Distance	895.0	680.2	563.0	496.5	462.0	435.6	394.2
Non Spinnaker	804.6	643.0	554.9	502.8	470.4	448.8	420.9

Sails Limitations

Headsails	Spinnakers
7	5

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°	41.0°	40.0°	39.0°	38.2°	38.0°	38.1°
Beat VMG	3.98	4.85	5.49	5.81	5.97	6.04	6.24
52°	6.07	7.25	8.02	8.34	8.46	8.53	8.68
60°	6.41	7.58	8.27	8.57	8.70	8.77	8.89
75°	6.70	7.83	8.44	8.78	9.00	9.14	9.27
90°	6.63	7.79	8.44	8.81	9.12	9.40	9.82
110°	6.36	7.75	8.56	9.01	9.32	9.57	10.01
120°	6.19	7.58	8.46	8.95	9.42	9.88	10.46
135°	5.57	6.92	7.99	8.62	9.06	9.55	10.66
150°	4.68	5.90	6.98	7.92	8.55	8.98	9.91
Run VMG	4.05	5.11	6.05	6.89	7.58	8.21	9.11
Gybe Angles	142.3°	146.5°	149.2°	153.0°	159.6°	180.0°	180.0°

Class Division Length
CDL = **12.559**

Storm Sails Areas

Heavy Weather Jib	57.37
Storm Jib (JL=13.40)	21.25
Storm Trysail	23.45

Owner

BOAT	
Name BAJAZZO	Sail Nr GER 6336
File GER6336	Data in meters/kilograms

INCLINING TEST AND FREEBOARDS					
Inclining Test Current Inclining					
Flotation date 14/04/2010				SG 1.0090	
FFM	1.717	FF	1.755	SFFP	0.350
FAM	1.319	FA	1.315	SAFP	14.588
W1	140.0	PD1	465.8	WD	16.100
W2	140.0	PD2	457.9	GSA	1.0
W3	140.0	PD3	461.3	RSA	1.0
W4	140.0	PD4	468.5	PLM	9000.0
LCF from stem on CL / on sheer				8.586 / 8.838	
Maximum beam station from stem				9.685	
RM Measured				383.1kg-m	
RM Default				425.6kg-m	
Limit of positive stability / Stab.Index				121.7° / 130.3	
Freeboard at mast at 6.040				1.471	



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RIG					
Forestay Tension	Aft	Spreaders		3	
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	19.700	E	6.800	MDT1	0.148
IG	20.515	J	5.660	MDL1	0.285
ISP	20.570	SFJ	0.380	MDT2	0.133
BAS	1.930	SPL	5.640	MDL2	0.263
FSP	0.080	TPS	5.960	MWT	342.00
		TL	0.850	MCG	6.970

MIZZEN RIG AND SAILS	
N/A	

PROPELLER			
Installation	Strut	PRD	0.540
Type	Folding 2 blades	PBW	0.120
Twin Screw	No	PIPA	0.0040
ST1	0.065	ST3	0.180
ST2	0.180	ST4	0.110
		ST5	0.295
		EDL	3.680

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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	
	0.120	1.20	2.22	4.00	5.43	74.49	75.40	P/8 · (E + 2·MQW+ 2·MHW + 1.5·MTW + MUW + 0.5·MHB)	
Symmetric	SLU	SLE	SL	SHW	SFL	170.84		SL · (SFL + 4·SHW) / 6	
	20.29	20.29	20.29	10.12	10.04				
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
0.10	0.94	1.75	3.16	4.43	5.83	20.47	62.68			11/01/2019	Unknow	JIB M

MEASUREMENT INVENTORY				
Measurer 53				
Date 14/04/2010				
Comment				
<i>Id</i>	<i>Item</i>	<i>Weight</i>	<i>Distance</i>	<i>VCG Description</i>
02	Anchor	10.0	14.50	
04	Anchor	20.0	1.50	
03	Chain	112.0	1.00	
04	Tools	15.0	12.00	Box
<i>Id</i>	<i>Item</i>	<i>Maker</i>	<i>Model</i>	
08	Engine	Volvo Penta	75 PS	
<i>Id</i>	<i>Item</i>	<i>Weight Description</i>		
07	Deck-Gear	30.0		

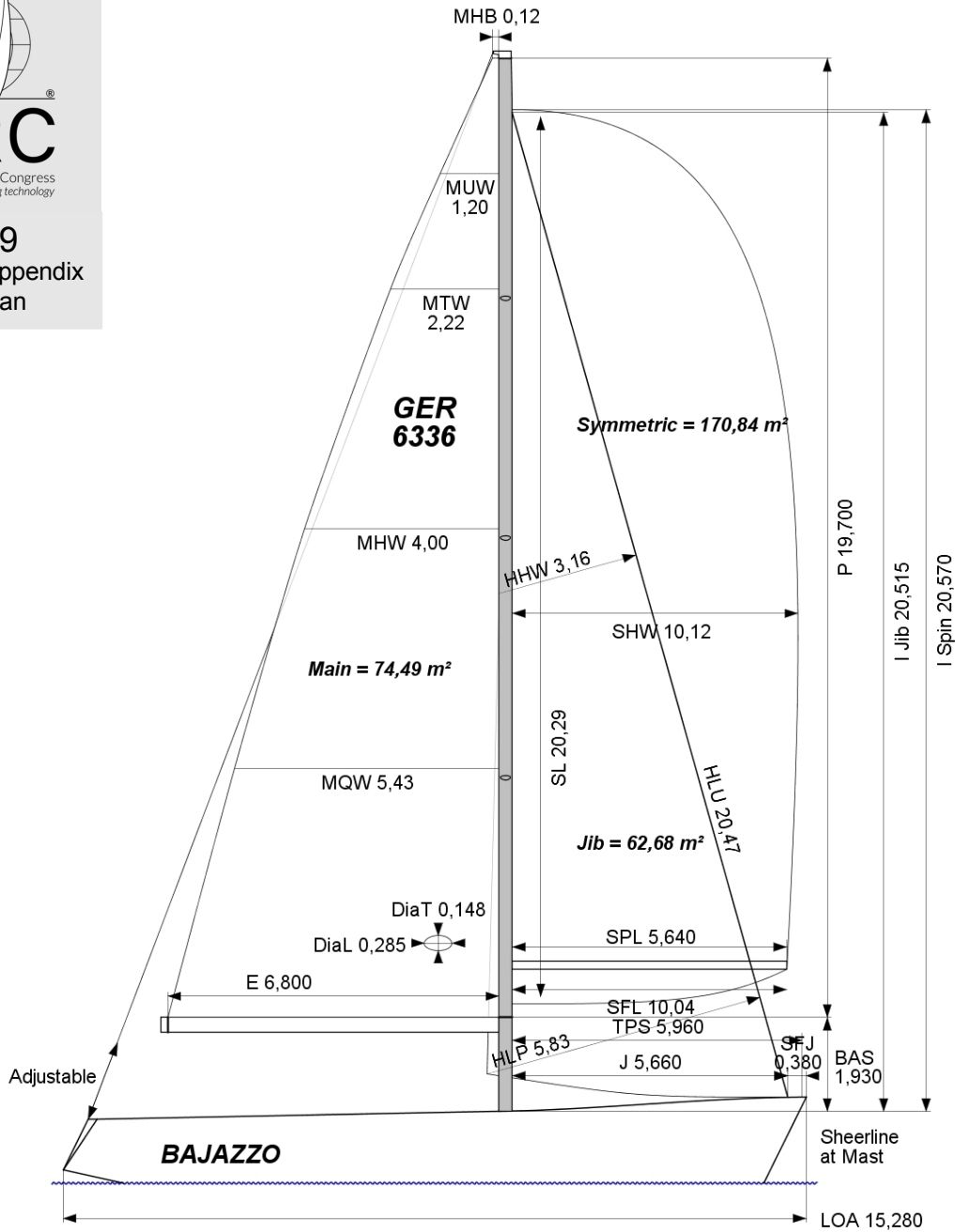
MEASUREMENT INVENTORY							
<i>Id</i>	<i>Item</i>	<i>Tank Use</i>	<i>Tank Type</i>	<i>Capcty</i>	<i>Dist.</i>	<i>VCG</i>	<i>Condtn Description</i>
13	Tank	LPG		10.0	14.50		10.0
12	Tank	Holding		70.0	9.90		0.0
11	Tank	Holding		40.0	6.15		0.0
10	Tank	Water		450.0	8.00		0.0
09	Tank	Fuel		172.0	8.60		50.0
<i>Id</i>	<i>Item</i>	<i>Weight</i>	<i>Distance</i>	<i>VCG Description</i>			
06	Battery		9.00	Engine 1 * 55 Ah			
05	Battery		8.50	Service 5 * 120 Ah			



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SAILS INVENTORY

MAINSAIL (2)																
Id	MHB	MUW	MTW	MHW	MQW	Area	Measurer	Meas.Date	Manufacture	Material	Comment					
DK86105	0.12	1.20	2.22	4.00	5.43	74.50		28/01/2015	North	Unknown	ODK102022-001					
81604	0.10	1.20	2.22	4.00	5.43	74.47		12/02/2010	North	Unknown						
HEADSAILS (1)																
Id	HHB	HUW	HTW	HHW	HQW	HLP	HLU	Ovrlp	Area	Btn	Fly	Measurer	Meas.Date	Manufacture	Material	Comment
0	0.10	0.94	1.75	3.16	4.43	5.83	20.47	103%	62.68				11/01/2019	NORTH	Unknow	JIB M
SYMMETRIC SPINNAKERS (2)																
Id	SLU	SLE	SL	SHW	SFL	Area	Measurer	Meas.Date	Manufacture	Material	Comment					
81203	20.29	20.29	20.29	10.12	10.04	170.85		12/02/2010	North	Unknown						
81166	20.29	20.29	20.29	10.12	10.04	170.85		12/02/2010	North	Unknown						
ASYMMETRIC SPINNAKERS (0)																
Id	SLU	SLE	SL	SHW	SFL	Area	Kind	Measurer	Meas.Date	Manufacture	Material	Comment				