

BOAT Name Bianco Sail Nr FIN-11572	GPH 623.7	HULL Length Overall 10.660m Maximum Beam 3.636m Displacement 5,670kg Draft 2.307m Plan Review IMS Reg. Division Cruiser/Racer Dynamic Allowance 0.193% Hull Construction Solid Carbon Rudder No Crew Arm Extension
GENERAL Class First 35 Designer Bruce Farr Builder Beneteau Series 02/2009 Age 06/2010 Age Allowance 0.357% Offset File FIRST 35 FIN KEEL.OFF - 15/11/2012 Measurement by - 09/04/2019		IMSLS 9.738m VCGD 0.118m Sink 19.30kg/mm RL 8.756m VCGM 0.114m WS 25.94m² LSM0 9.592m Displacement/Length ratio 6.4247



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SCORING OPTIONS						
	COASTAL / LONG DISTANCE			WINDWARD / LEEWARD		
Time on Distance	605.7			674.4		
Time on Time	0.9907			1.0010		
Triple Number	Low	Medium	High	Low	Medium	High
Time on Distance	715.3	552.0	493.7	922.1	677.2	588.2
Time on Time	0.9436	1.2229	1.3671	0.7320	0.9967	1.1475

TIME ALLOWANCES							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	1043.7	866.4	763.4	713.6	698.2	692.7	680.8
52°	687.6	581.7	526.5	504.4	496.7	493.4	488.9
60°	651.7	556.0	512.2	492.8	483.7	479.9	476.7
75°	626.1	537.8	501.8	482.6	468.9	459.3	452.3
90°	634.7	533.9	492.9	477.6	463.5	448.0	425.7
110°	633.4	526.5	486.1	461.8	440.7	427.9	409.0
120°	653.3	538.2	491.4	465.5	441.7	419.5	391.1
135°	723.5	588.9	516.5	483.6	459.7	435.7	390.8
150°	858.6	681.6	576.9	514.7	484.3	461.9	418.1
Run VMG	991.4	787.1	665.3	586.1	530.7	494.4	450.0

Certificate
Number **11572**
ORC Ref **03290000J6T**
Issued On **29/05/2020**
VPP Ver. **2020 1.02**
Valid until **31/12/2020**

Crew Weight
Default **649kg**
Maximum **680kg**
Minimum* **510kg**
**when applied by the NoR and SI*
Non Manual Pwr **No**

Special Scoring
ToD ToT
Non Spin GPH **657.3 0.9128**
Non Spin OSN **636.4 0.9427**

Selected Courses							
Windward / Leeward	1017.6	826.7	714.4	649.8	614.5	593.5	565.4
Circular Random	858.7	693.4	605.0	554.1	523.2	503.0	476.7
Coastal / Long Distance	1014.9	776.9	645.2	570.7	533.4	504.3	457.0
Non Spinnaker	919.4	736.1	636.6	578.4	542.6	519.2	489.4

Sails Limitations
Headsails **5** Spinnakers **4**

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	42.0°	40.5°	39.8°	38.4°	37.9°	37.9°	38.3°
Beat VMG	3.45	4.16	4.72	5.04	5.16	5.20	5.29
52°	5.24	6.19	6.84	7.14	7.25	7.30	7.36
60°	5.52	6.48	7.03	7.30	7.44	7.50	7.55
75°	5.75	6.69	7.17	7.46	7.68	7.84	7.96
90°	5.67	6.74	7.30	7.54	7.77	8.04	8.46
110°	5.68	6.84	7.41	7.80	8.17	8.41	8.80
120°	5.51	6.69	7.33	7.73	8.15	8.58	9.20
135°	4.98	6.11	6.97	7.44	7.83	8.26	9.21
150°	4.19	5.28	6.24	6.99	7.43	7.79	8.61
Run VMG	3.63	4.57	5.41	6.14	6.78	7.28	8.00
Gybe Angles	145.0°	149.5°	151.5°	157.0°	180.0°	180.0°	180.0°

Class Division Length
CDL = **9.240**

Storm Sails Areas
Heavy Weather Jib **28.28**
Storm Jib (JL=9.41) **10.48**
Storm Trysail **11.76**

Owner

BOAT	
Name Bianco	Sail Nr FIN-11572
File L11572	Data in meters/kilograms

RIG	
Forestay Tension Aft	Spreaders 2
Inner Stay None Fitted	Runners/Checkstays 0
Carbon Mast Yes	Jib Furler No
Fiber Rigging No	Main Furler No
Non-Circular Rigging No	
Articulated Bowsprit No	

P 14.000	E 4.800	MDT1 0.091	MW 0.170
IG 14.400	J 3.960	MDL1 0.170	GO 0.190
ISP 14.433	SFJ 0.000	MDT2 0.088	BD 0.230
BAS 1.593	SPL 4.320	MDL2 0.129	MWT 124.00
FSD 0.030	TPS	TL 1.150	MCG 4.990

INCLINING TEST AND FREEBOARDS

Inclining Test Current Inclining			
Flotation date 07/05/2017		SG 1.0050	
FFM 1.388	FF 1.393	SFFP 0.422	
FAM 1.075	FA 1.083	SAFP 10.320	
W1 81.4	PD1 622.2	WD 11.705	
W2 81.4	PD2 623.3	GSA 1.0	
W3 81.4	PD3 624.9	RSA 1.0	
W4 81.4	PD4 623.4	PLM 9000.0	
LCF from stem on CL / on sheer		5.833 / 6.085	
Maximum beam station from stem		6.761	
RM Measured		120.3kg·m	
RM Default		133.7kg·m	
Limit of positive stability / Stab.Index		117.7° / 117.7	
Freeboard at mast at 3.960		1.274	



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MIZZEN RIG AND SAILS	
N/A	

PROPELLER			
Installation Strut	PRD 0.410		
Type Folding 2 blades	PBW 0.124		
Twin Screw No	PIPA 0.0032		
ST1 0.040	ST3 0.180	ST5 0.220	
ST2 0.180	ST4 0.111	EDL 2.120	

Certificate	
Number 11572	
ORC Ref 03290000J6T	
Issued On 29/05/2020	
VPP Ver. 2020 1.02	
Valid until 31/12/2020	

COMMENTS	
ADVERTISING LICENSE 2019 BY FBSF HIN: 73	

MOVABLE BALLAST	
N/A	

CENTERBOARD	
N/A	



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SAILS (Maximum Areas)									
Mainsail	MHB	MUW	MTW	MHW	MQW	Area	Area (r)	Formula	
	0.45	0.99	1.78	3.04	3.97	39.73	40.42	P/8 · (E + 2·MQW+ 2·MHW + 1.5·MTW + MUW + 0.5·MHB)	
Symmetric	SLU	SLE	SL	SHW	SFL				
	14.16	14.16	14.16	7.38	7.20	86.66	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	Flying	Meas.Date	Material	Comment
0.09	0.58	1.12	2.16	3.18	4.17	14.18	30.33	Y	No	11/04/2018	Kevlar	Remeasured
0.09	0.58	1.11	2.16	3.18	4.14	14.22	30.32	Y	No	25/02/2020	Unknow	Remeasured
0.08	0.58	1.11	2.13	3.16	4.23	13.95	29.78	Y	No	07/04/2018	Kevlar	10273-002
0.08	0.52	0.98	1.92	2.92	3.92	14.12	27.60	Y	No	20/12/2019	Unknow	
0.10	0.40	0.76	1.58	2.51	3.55	12.56	21.06	No	No	04/05/2013	Dacron	

MEASUREMENT INVENTORY				
Measurer				
Date 07/05/2017				
Comment				
Internal Ballast total = 0.0				
Id	Item	Weight	Distance	VCG Description
Id	Item	Maker	Model	
7	Engine	YANMAR	3 GM 30	
Id	Item	Weight Description		

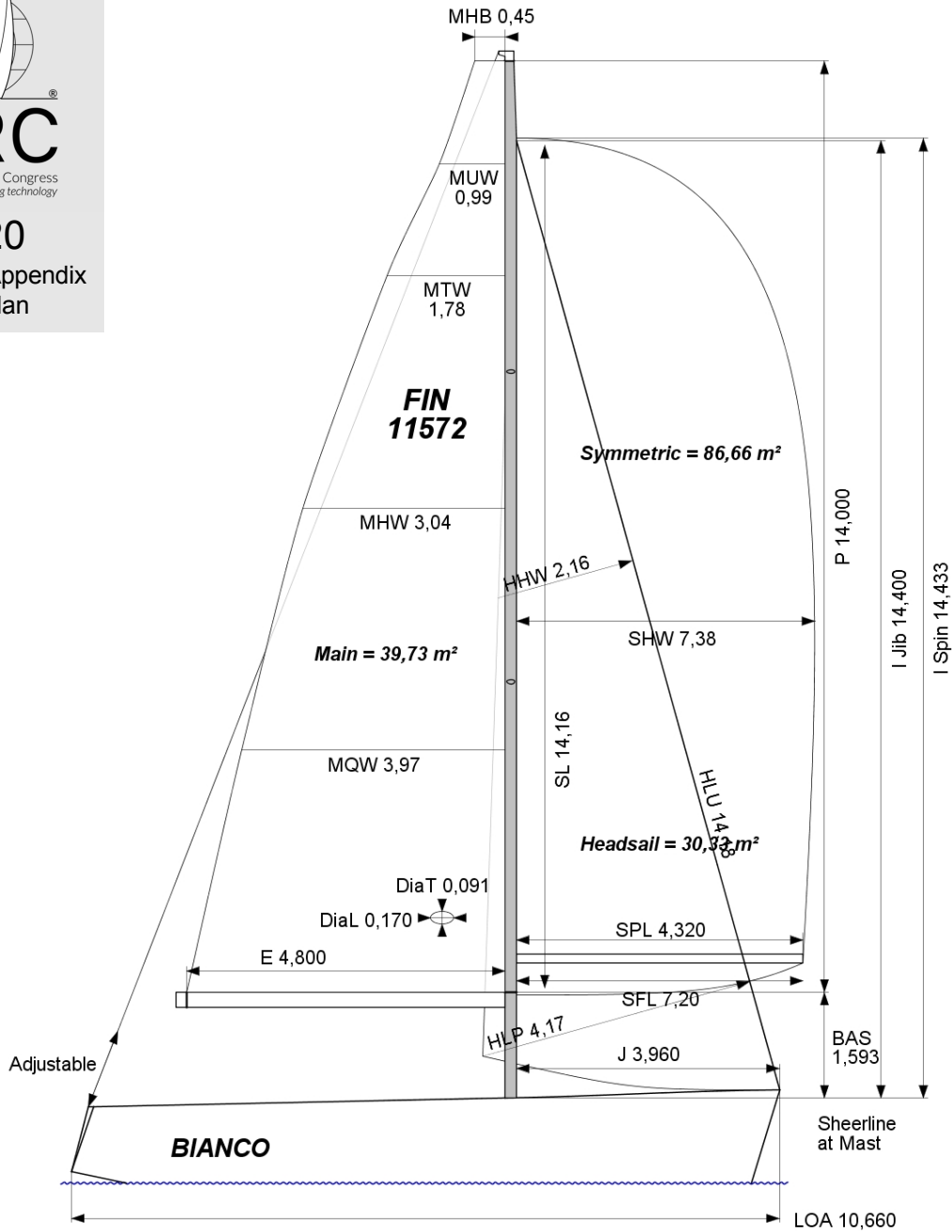
MEASUREMENT INVENTORY							
Id	Item	Tank Use	Tank Type	Capcty	Dist.	VCG	Condtn Description
8	Tank	FUEL	Steel	75.0	9.20	0.10	15-0
9	Tank	WATER	PP	100.0	4.70	0.20	0-0
10	Tank	WATER	PP	100.0	4.70	0.20	0-0
11	Tank	HOLDING	PP	80.0	8.00	0.60	0-0
12	Tank	Boiler		25.0	4.80		0-0
Id	Item	Weight	Distance	VCG Description			
4	Battery		6.60	0.20 48 Ah gel			
5	Battery		8.00	0.20 2 x 75 Ah gel			
11	Misc	15.0	9.90	0.40 Webasto			
	Misc						



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SAILS INVENTORY

MAINSAIL (2)																
Id	MHB	MUW	MTW	MHW	MQW	Area	Measurer	Meas.Date	Manufacture	Material	Comment					
M19	0.45	0.99	1.78	3.04	3.97	39.74		01/04/2019	North Sails	Unknown						
M16	0.16	1.04	1.81	3.06	3.97	39.72		07/04/2018	North Sails	Kevlar	Remeas					
HEADSAILS (5)																
Id	HHB	HUW	HTW	HHW	HQW	HLP	HLU	Ovrlp	Area	Btn	Flying	Measurer	Meas.Date	Manufacture	Material	Comment
MH16	0.09	0.58	1.12	2.16	3.18	4.17	14.18	105%	30.33	Y	No		11/04/2018	North Sails	Kevlar	Remeasured
MH19	0.09	0.58	1.11	2.16	3.18	4.14	14.22	105%	30.32	Y	No		25/02/2020	North Sails	Unknown	Remeasured
L15	0.08	0.58	1.11	2.13	3.16	4.23	13.95	107%	29.78	Y	No		07/04/2018	North Sails	Kevlar	10273-002
H20	0.08	0.52	0.98	1.92	2.92	3.92	14.12	99%	27.60	Y	No		20/12/2019		Unknown	
STRM	0.10	0.40	0.76	1.58	2.51	3.55	12.56	90%	21.06		No		04/05/2013	North Sails	Dacron	
SYMMETRIC SPINNAKERS (4)																
Id	SLU	SLE	SL	SHW	SFL	Area	Measurer	Meas.Date	Manufacture	Material	Comment					
S1.5-18	14.16	14.16	14.16	7.38	7.20	86.66		25/05/2020	North Sails	Unknown	Remeasured					
S2	14.09	14.09	14.09	7.36	7.15	85.93		27/04/2015	NORTH	Nylon	White					
S4	14.03	14.03	14.03	7.35	7.15	85.47		27/04/2015	NORTH	Nylon	White					
S5	13.85	13.85	13.85	6.86	6.95	79.39		21/04/2017	North Sails	Unknown						
ASYMMETRIC SPINNAKERS (0)																
Id	SLU	SLE	SL	SHW	SFL	Area	Kind	Measurer	Meas.Date	Manufacture	Material	Comment				